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22 February 2016

Mr. John Tappert, Deputy Director
Division of Decommissioning, Uranium Recovery, & Waste Programs
Office of Federal & State Materials & Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20852-2738

Dear Mr. Tappert:

SUBJECT: Sweetwater Uranium Project – Docket Number 40-8584
Source Material License No. SUA-1350 – Annual Corrective Action Program Review and Groundwater Monitoring Report

Enclosed is a CD-ROM containing Kennecott Uranium Company's Annual Corrective Action Program Review for 2015.

The report summarizes all monitoring and mitigation efforts in the area of the tailings cell under the ground water corrective action program, as defined in License Condition 11.3 of USNRC Source Materials License SUA-1350, and contains the ground water monitoring data required to be submitted under License Condition 12.3.

If you have any questions, please do not hesitate to contact me at (307) 328-1476.

Sincerely,

Oscar A. Paulson
Facility Supervisor

cc: James Webb, Project Manager – USNRC
Director – NRC DRSS – Region IV (w/o enc)
Deborah Harris, PG, Wyoming Department of Environmental Quality
GPC West District Supervisor
Water Quality Division
510 Meadowview Drive
Lander, WY 82520

KENNECOTT URANIUM COMPANY
ANNUAL CORRECTIVE ACTION PROGRAM REVIEW
January 2015 through December 2015

EXCURSION PUMPBACK SYSTEM

Perched Wells

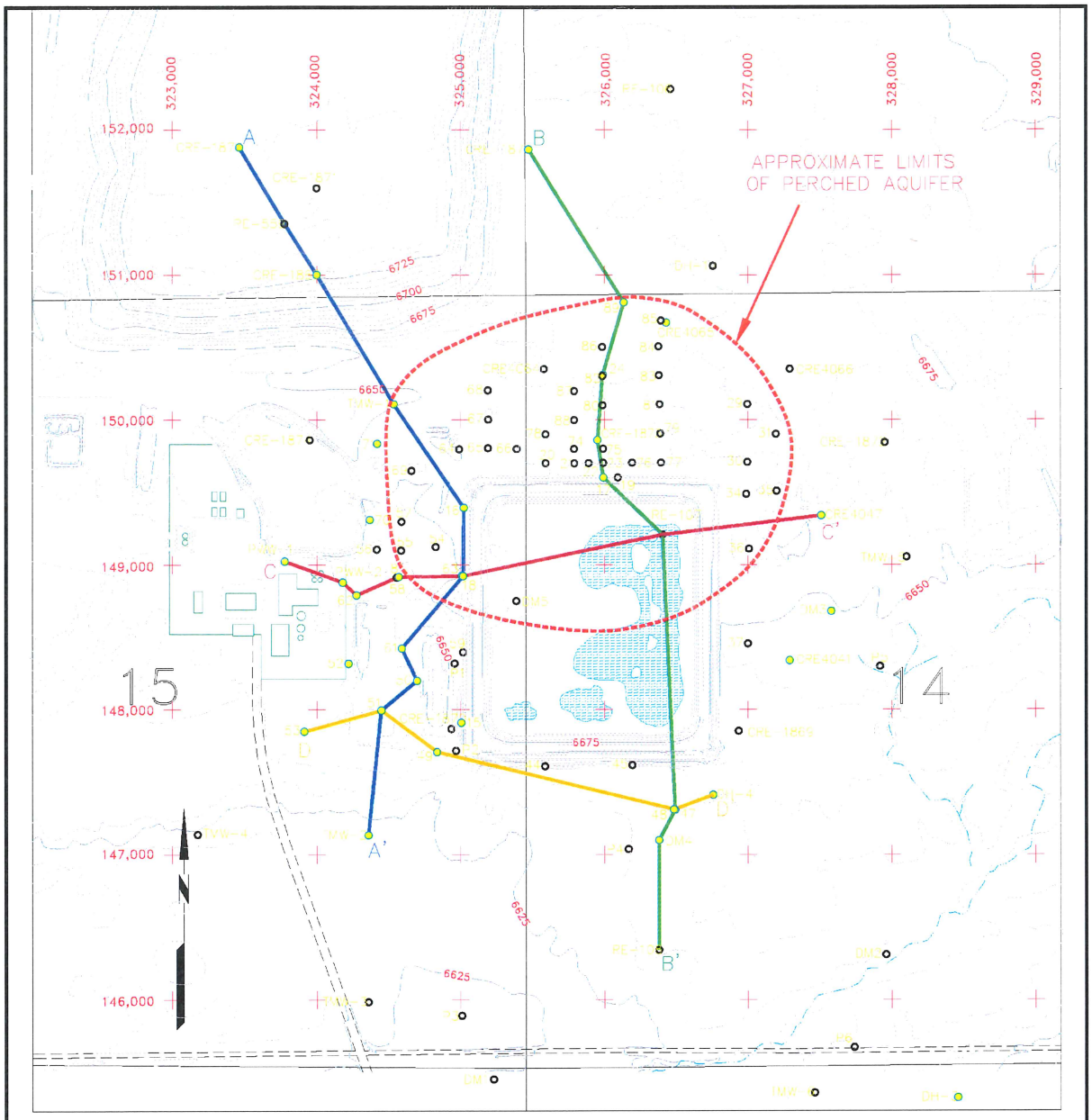
All perched wells around the tailings impoundment were essentially dry as of the fall of 1989 and have not been pumped since that time. In the course of preparing a response to a Request for Additional Information (RAI) dated July 13, 2015 related to Kennecott Uranium Company's request to renew Source Material License (SML) SUA-1350 an investigation of the perched wells around the tailings impoundment was conducted. One well, TMW-55 was discovered to have sufficient water to allow collection of a sample on August 4, 2015. The table below shows water quality data for five (5) parameters for that well on that date:

Water Quality Data, TMW-55, August 4, 2015

Analyte	Units	Result
Sulfate	mg/L	1,760
Iron	mg/L	ND (reporting limit = 0.05
Manganese	mg/L	ND (reporting limit = 0.01)
Uranium, activity	pCi/L	1,150
Radium-226/228	pCi/L	3.5

Complete water quality data is reported in the section containing the well data at the end of this report.

The approximate limits of the perched zone are shown in the map below from the Addendum to the Revised Environmental Report – Geologic Cross Sections and Aquifer Information dated July, 1995:



NOTES:

ALL WELLS HAVE A TMW PREFIX (UNLESS OTHERWISE NOTED)

TMW-1 TO 89:	TAILINGS MONITOR WELLS
P1 - P6:	BORINGS FROM 1976 DAMES & MOORE STUDY
DM1 - DM5:	PRELIMINARY BORINGS FROM 1976 DAMES & MOORE STUDY
RE:	EXPLORATION HOLES
CRE:	EXPLORATION HOLES
PWW-1 & 2	WATER WELLS
DH:	EXPLORATION HOLES

SCALE IN FEET

1000 0 2000

SHEPHERD MILLER INCORPORATED

FIGURE 2
LOCATION OF GEOLOGIC CROSSECTIONS

Date:	AUG. 1995
Project:	06-442
File:	WELLS-3

The response to the Request for Additional Information (RAI) analyzed the current status of the perched zone and the presence of water in TMW-55 and concluded:

The potential for tailings fluid migration within the perched horizon is strictly vertical and driven by precipitation recharge because:

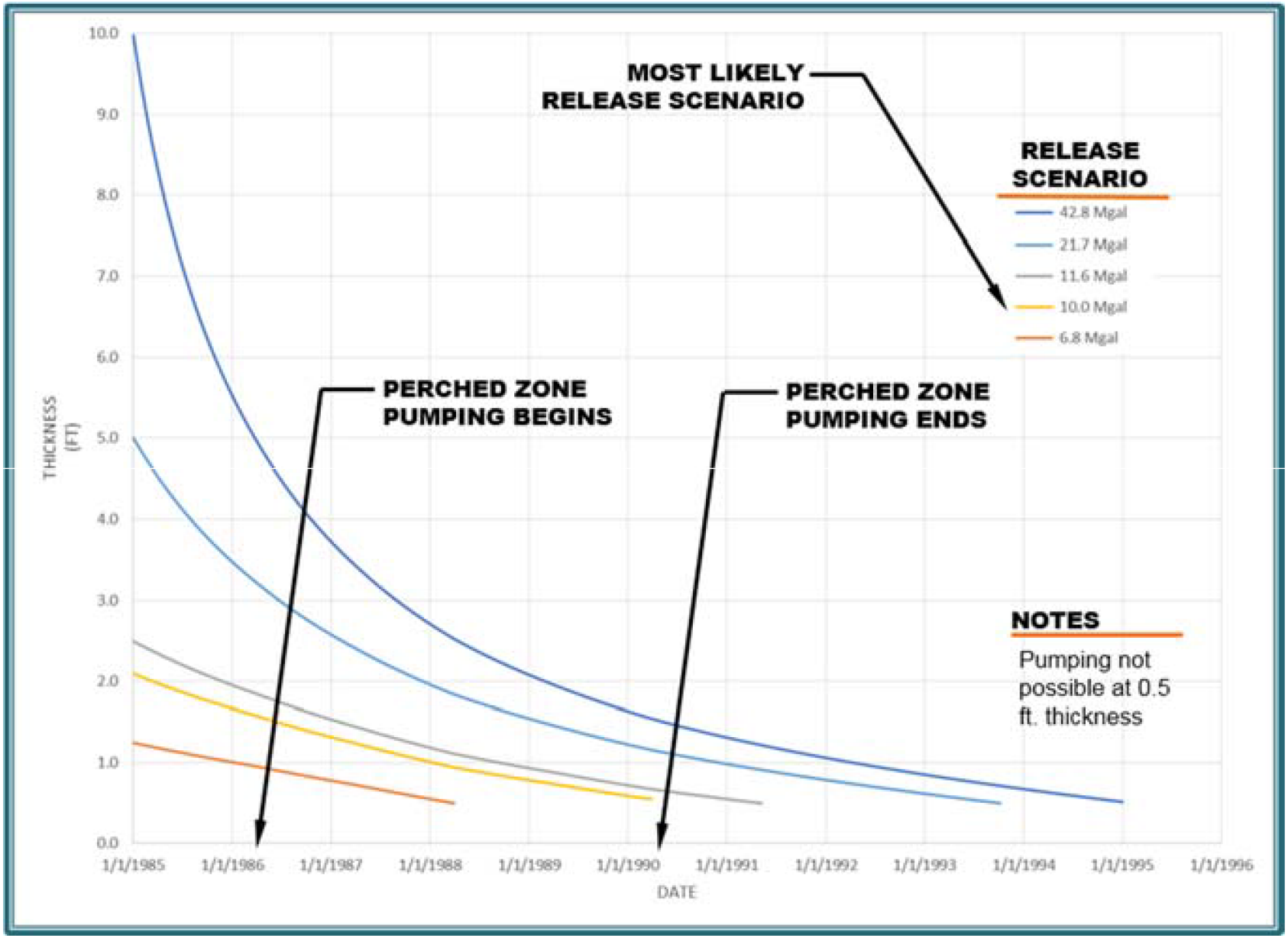
- *The mounded portion of the initial fluid volume released has essentially entirely drained to the underlying aquifer*
- *The clay lens likely binds remnant constituents that are transported via vertical percolation driven by precipitation recharge*

The potential for radium-226/228 from the tailings fluids to migrate beyond the current extents in the Battle Spring Aquifer is very unlikely because:

- *Tailings fluids have drained from the perched zone and cannot migrate horizontally*
- *Percolated fluids from the clay lenses in the perched zone are entirely within the Mill-area capture zone created by CAP pumping (shown on Figure 1-8).* Note: Please refer to the response to the July 13, 2015 Request for Additional Information (RAI) to see this figure.

Moreover, water leaching downward from the perched zone does not and will not be expected to carry radium-226/228 in concentration nor in volume sufficient to materially affect water quality in the Battle Spring Aquifer.

A Conceptual Perched Zone Water Flow Summary from the response to the July 13, 2015 Request for Additional Information (RAI) is included below:



The two (2) perched wells, TMW-90 and TMW-105 that were pumped during 2005 in preparation for the excavation of the contaminated soils beneath and around the Catchment Basin were removed at the completion of the excavation, prior to backfilling. These wells were located just west of the Catchment Basin and were pumped to remove fluid (spilled during operation of the Catchment Basin from 1980-1983) that was perched on a clay layer approximately forty (40) feet below ground surface, in part, to prepare the area for excavation.

These two wells were not considered part of the ground water Corrective Action Program (CAP) since their purpose was to recover spilled fluid as opposed to recovering contaminated ground water from the Battle Spring Aquifer, which is what the CAP regulates.

The use of these wells to recover these fluids was authorized by the site's Safety and Environmental Review Panel (SERP) under Safety and Environmental Evaluation (SEE) #6, approved on September 9, 2003, and an amendment to that document approved on March 26, 2004. These documents were inspected by the Nuclear Regulatory Commission (NRC) during an inspection on July 21, 2004. The inspector concluded that: *"The SEEs were found to be technically adequate. The SERP had made decisions in accordance with the conditions of the performance based license."*

The table below summarizes the performance of these wells:

WELL #	DATE STARTED	DATE SHUT DOWN	FLOW RATE (Gallons per Minute)	VOLUME PUMPED (Gallons)
TMW-90	03/01/05	11/14/05	0.01	3,693
TMW-105	03/15/05	11/14/05	0.02	7,123

Water sample data, flow information and salts removed data for these wells are included in the 2005 report. The wells were pumped by venturi pumps installed at the well bottom, driven by surface feed pumps, and a reservoir barrel, which overflowed into a tank that was pumped periodically to the tailings impoundment.

The pumping of these wells was successful in that when the Catchment Basin excavation attained its complete depth (essentially the bottoms of these wells), no substantial amounts of free perched fluid were encountered. Pumping of these wells allowed for a dry excavation bottom. These wells were removed once the excavation attained bottom (approximately 6585 feet above mean sea level) in the area around these wells. The area around TMW-90 was excavated deeper than the planned depth of 6590 feet above mean sea level to remove some hydrocarbon contamination around the well.

Aquifer Wells

Tails Monitor Wells (TMW-) 7, 17, 18, 57, 58, 59, 75, 96 and 97 (pumpback wells west of the Catchment Basin) were pumped into the tails cell during 2015 at the following rates:

WELL #	PUMP HORSEPOWER	ANNUAL AVG. RATE (GPM)	OPERATING DAYS AT LISTED RATE
TMW-7	¾ HP	3.47	364
TMW-17	¾ HP	8.23	364
TMW-18	¾ HP	10.81	364
TMW-57	¾ HP	6.32	197
TMW-58	¾ HP	7.72	197
TMW-59	¾ HP	8.47	364
TMW-75	¾ HP/½ HP Controller	4.92	364
TMW-96	¾ HP	4.63	195
TMW-97	¾ HP	8.16	196
TOTAL		**62.72**	

Note: Extended periods of down time are not included in well operating time for computation of flow rates.

TMW-75 and TMW-17 were pumped to collect the portion of the excursion along the cell's north wall. Wells 7, 18 and 59 maintained a cone of depression along the west side of the tailings cell intercepting the major portion of the excursion. TMW-57 and TMW-58 maintained a cone of depression extending west of the western side of the cell, centered on these two (2) wells. TMW-57 and 58 were not pumped for the entire year since their Total Dissolved Solids (TDS) levels are lower (304 ppm and 603 ppm, respectively, January 14, 2015) and they are farther from the tailings impoundment, meaning that the lines leading from them to the impoundment are more prone to freezing in winter.

TMW-18 and 59 were pumped at the highest rates and for the longest periods of time since they contained the water with the highest Total Dissolved Solids (TDS) concentrations, 2160 and 2190 ppm respectively (January 14, 2015).

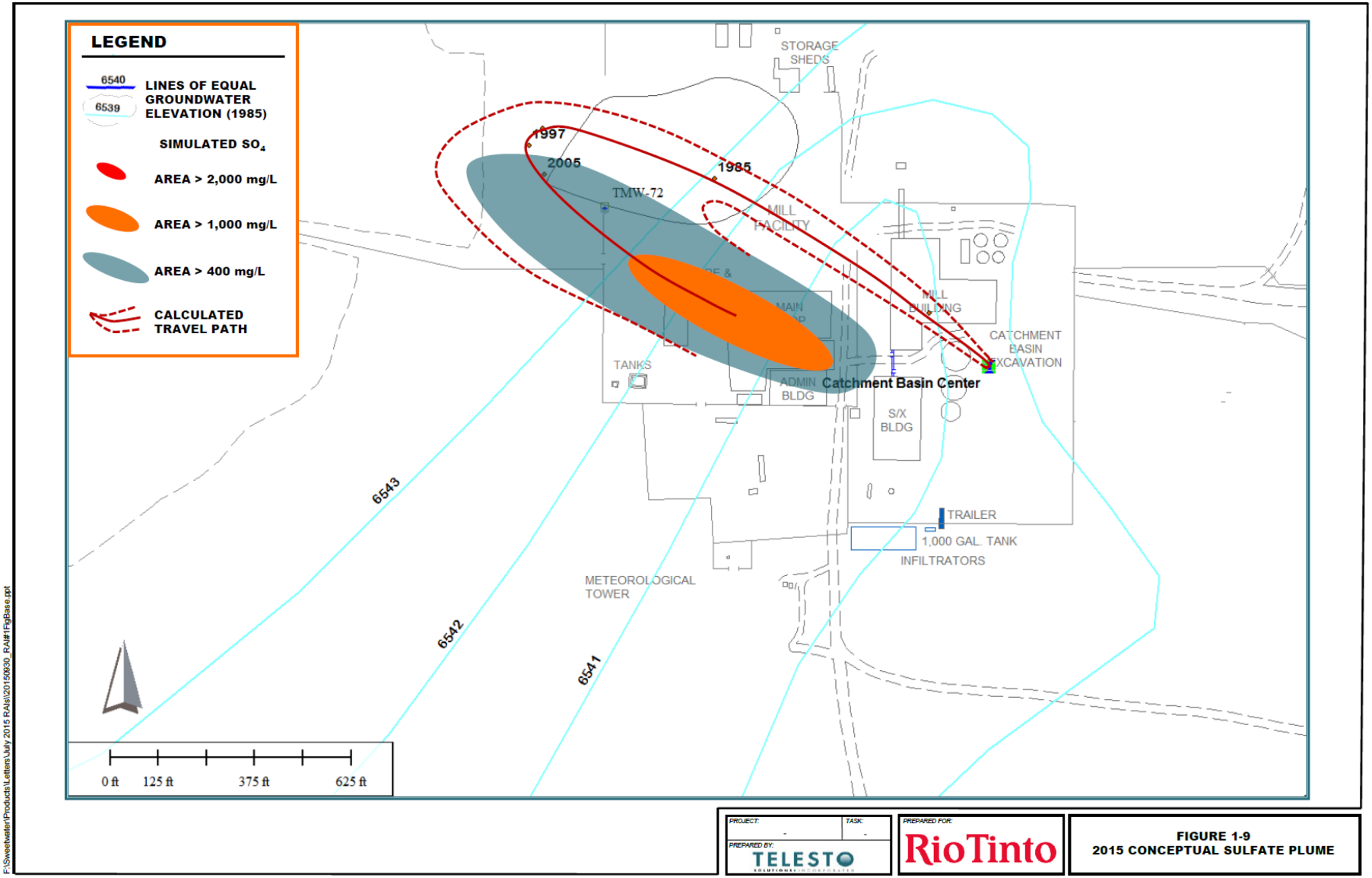
TMW-96 and TMW-97, located along the east wall of the Solvent Extraction Building, were pumped to collect the highest levels of uranium in the Catchment Basin plume. TMW-96 and 97 have shown a remarkable drop in contaminant concentrations since pumping started. TMW-96 has gone from a Total Dissolved Solids (TDS) concentration of 2430 mg/L (9/20/04) to a low of 655 mg/L (10/21/14) and a uranium concentration of 760 pCi/L (9/20/04) to a low of 13.9 pCi/L (10/1/13). TMW-97 has gone from a TDS concentration of 2210 mg/L (3/7/05) to a low of 731 mg/L (10/1/13) and a uranium concentration of 548 pCi/L (3/7/05) to 21.8 pCi/L (10/01/13). Kennecott Uranium Company believes that these declines indicate that the plume associated with the Catchment Basin is of limited magnitude. The lowest Total Dissolved Solids (TDS) concentrations for these two (2) wells were observed while they were being actively pumped. Given their long distance from the impoundment (approximately ¼ mile) they are shut down during cold weather since they are prone to freezing.

The response to the July 13, 2015 Request for Additional Information (RAI) supports the above articulated belief that the Catchment Basin plume is of limited magnitude. The response concludes:

Pumping at the Catchment Basin that began in 2005 started moving the eastern portion of the sulfate plume back toward the Mill area

:

The drawing below from the response to the July 13, 2015 Request for Additional Information (RAI) supports the above statement:



TMW-16 was replaced with a new well, TMW-7, completed approximately sixty (60) feet south of it, on August 18, 2003. TMW-16 exhibited continuing problems and would not, in spite of repeated attempts to clean, acidize or bleach it, yield sufficient water to support a pump. When operating it would yield water; however, the well would frequently cease pumping and be down for extended periods while being cleaned. TMW-7 was screened at a depth (100-150 feet) that fully overlapped the completion interval (120-145 feet) of TMW-16. TMW-16 ceased pumping on May 15, 2003. Pumping was initiated in TMW-7 on December 1, 2003. Completion of this replacement well was discussed with Elaine Brummett in a telephone conversation at 1:50 pm on August 20, 2003, and a follow-up email message on that date. The well produced 3.47 gallons per minute of water in 2015 and has not required any of the maintenance or cleaning that its predecessor, TMW-16, required.

A pump was installed and started in TMW-58 in late June of 1994. The well was completed in July 1985. TMW-58 continues to yield water at a rate of 6.21 gallons per minute in 2014. Installation of the pump followed receipt of a letter dated April 8, 1994 from NRC/URFO which stated, *"We find that the proposed changes to your Corrective Action Program (CAP) are responsive to our review findings submitted to your company on September 3, 1992. We also consider that specific seepage collection locations are no longer required. Rather, Kennecott should use its discretion in maintaining the CAP, and all changes should be described in routine annual progress reports."*

This letter was in response to a review prepared by Kennecott Uranium Company and submitted in response to a letter dated September 3, 1992 which was received from NRC/URFO requesting Kennecott Uranium Company to review the most recent monitoring data from the Corrective Action Program (CAP) and propose modifications to the program. The review dated December 4, 1992 and submitted to NRC/URFO contained the following conclusions:

1. The contaminant plume is confined solely to the upper fifty (50) feet of the saturated zone of the Battle Spring Formation. This conclusion is based on the sample results from three (3) monitor wells completed in deeper sand in 1991, which show no evidence of contamination.
2. The existing five (5) pumpback wells are adequate to recover the groundwater contaminated by past leakage.

Kennecott Uranium Company, in order to accelerate the remediation process, had requested an amendment to SUA-1350 in the December 4, 1992 review to install a pump of at least 1/3 horsepower in TMW-58. Upon receipt of the letter dated December 4, 1992, however, it became clear that such an amendment was not required.

A pump was installed in TMW-57 on May 17, 2001. This well yielded an average of 6.32 gallons per minute during 2015.

The observed TDS values in TMW-63 and TMW-18 are within approximately 42% of each other. (See *Comparison of TMW-18 and TMW-63,* below.) There is a difference in Total Dissolved Solids concentrations vertically across the upper fifty-feet of the aquifer. The Total Dissolved Solids (TDS) concentration in TMW-63 is approximately 42% higher than in TMW-18.

COMPARISON OF TMW-18 AND TMW-63

MAJOR IONS mg/l:	TMW-18 7/15/15	TMW-63 5/11/15	Reporting Limit 7/15/15
Ca	458	708	0.5
Mg	43	42.9	0.5
Na	97.9	92.6	0.5
K	6.5	7.1	0.5
CO3	<1	<1	5.0
HCO3	468	581	5.0
SO4	1070	1540	2.0
Cl	87	170	1.0
NO3	<0.1	<0.1	0.1
F	<0.1	<0.1	0.1
SiO2	21.5	20.5	0.2
TDS @ 180° C.	2130	3020	20
Cond (umho/cm)	2390	3320	5.0
Alk-CaCO3	397	476	5.0
pH (units)	7.02	6.96	0.01
TRACE METALS mg/l:			
Al	<0.10	<0.10	0.1
As	<0.001	<0.001	0.001
Ba	<0.10	<0.10	0.1
Be	<0.01	<0.01	0.01
B	<0.10	<0.10	0.1
Cd	<0.005	<0.005	0.005
Cr	<0.01	<0.01	0.01
Co	0.001	0.001	0.001
Cu	<0.01	<0.01	0.01
CN	<0.005	<0.005	0.005
Fe	8.15	3.16	0.05
Pb	<0.01	<0.01	0.01
Mn	1.35	0.65	0.01
Hg	<0.0002	<0.0002	0.0002
Mo	<0.01	<0.01	0.01
Ni	<0.01	<0.01	0.01
Se	<0.001	<0.001	0.001
Ag	<0.01	<0.01	0.01
Tl	<0.010	<0.01	0.01
V2O5	<0.10	<0.10	0.1
Zn	0.01	<0.01	0.01
RADIOMETRIC pCi/L:			
U	0.7	1.5	0.2
Ra226	1.9 ± 0.44	3.2± .68	
Ra228	11.3 ± 2.2	14.9 ± 2.9	
Th230	<0.20	<0.2	
Pb210	<1.0	<1.0	
Gross Alpha	6.9 ± 2.1	20.5 ± 4.6	
Q.A. DATA:			
Anion/Cation Bal:	-2.86	-3.65	

In the summer of 1991, TMW-8, TMW-24 and TMW-47 were completed in the Battle Spring Aquifer at depths below 200 feet to test saturated sands beneath a clay layer separating them from the upper fifty (50) feet of the saturated zone. Samples from wells TMWs 8, 24 and 47 (shown on the following table, *Lower Saturated Sand Monitor Well Sampling Results*) however, clearly show that the contaminants have not penetrated the sands beneath the upper fifty (50) feet of the saturated zone since the TDS concentrations in 2014 were all below 200 parts per million. While TMW-47 has shown some elevated Combined Radium-226/228 results in the past, this is believed not to be anthropogenic, but rather due to fluctuations in background. This is based upon the fact that the Total Dissolved Solids (TDS) concentrations in TMW-47 have historically been low (less than 200 milligrams per liter) and at background levels.

LOWER SATURATED SAND MONITOR WELL SAMPLING RESULTS

MAJOR IONS mg/l:	TMW-8 1/13/15	TMW-24 2/17/15	TMW-47 2/10/15	Reporting Limit 2/10/15
Ca	22.5	21.7	19.8	0.5
Mg	0.9	0.9	0.8	0.5
Na	36.3	31.4	32.9	0.5
K	1.5	1.6	1.5	0.5
CO3	<1	<1	<1	5.0
HCO3	103	124	110	5.0
SO4	46	34	31	1.0
Cl	3	2	2	1.0
NO3	<0.1	<0.1	<0.1	0.1
F	0.2	0.2	0.2	0.1
SiO2	13.8	13.8	13.7	0.2
TDS @ 180° C.	176	165	152	10
Cond (umho/cm)	275	249	241	5.0
Alk-CaCO3	84	101	90	5.0
pH (units)	8.12	8.10	8.18	0.01
TRACE METALS, mg/l:				
Al	<0.1	<0.1	<0.1	0.1
As	0.001	0.002	0.001	0.001
Ba	<0.1	<0.1	<0.1	0.1
Be	<0.01	<0.01	<0.01	0.01
B	<0.1	<0.1	<0.1	0.1
Cd	<0.005	<0.005	<0.005	0.005
Cr	<0.01	<0.01	<0.01	0.01
Co	<0.001	<0.001	<0.001	0.001
Cu	<0.01	<0.01	<0.01	0.01
CN	<0.005	<0.005	<0.005	0.005
Fe	.05	<0.05	<0.05	0.05
Pb	<0.01	<0.01	<0.01	0.01
Mn	.02	0.01	<0.01	0.01
Hg	<0.0002	<0.0002	<0.0002	0.0002
Mo	<0.01	<0.01	<0.01	0.01
Ni	<0.01	<0.01	<0.01	0.01
Se	<0.001	<0.001	<0.001	0.001
Ag	<0.01	<0.01	<0.01	0.01
Tl	<0.01	<0.01	<0.01	0.01
V2O5	<0.1	<0.1	<0.1	0.1
Zn	<0.01	<0.01	<0.01	0.01
RADIOMETRIC pCi/L:				
U	<0.2	0.2	0.2	0.2
Ra226	.61 ± .19	1.1 ± .32	2.7 ± 0.57	
Ra228	2.2 ± 0.7	0.8 ± .8	0.1 ± 0.8	
Th230	<0.2	<0.2	<0.2	
Pb210	<1.0	<1.0	1.5 ± 0.7	
Gross Alpha	6.1± 2.2	0.5 ± 0.7	6.3 ± 2.0	
Q.A. DATA %:				
A/C Balance (±5)	1.06	-4.62	-0.07	

During 1995, Shepherd Miller, Inc. completed a background groundwater study for the area around the Sweetwater Uranium Project. The object of this study was to define background in groundwater around the Sweetwater Uranium Project for a number of chemical and radiological constituents. The study examined the results of over 1000 groundwater samples collected in the vicinity of the project including samples from TMWs 8, 24 and 47 and concluded, *"Water quality sampling of three wells completed within the lower saturated sand, TMWs 8, 24 and 47, shows it to be unaffected by seepage from the cell, indicating that flow from the upper to lower saturated sands is retarded by the claystone layer."* Thus samples from TMWs 8, 24, and 47 show that the contamination is confined to, and distributed in, the upper fifty (50) feet of the saturated zone of the Battle Spring Aquifer and penetrates no deeper.

This issue was re-examined in 2008 by Telesto Solutions, Inc., who in their report entitled "**Final Draft Groundwater Plume Interpretation Revision III"**, stated:

Monitoring wells TMW-8 and 24 were completed in a deeper sand of the Battle Spring Aquifer to determine if there is downward migration of affected ground water into the lower portion of the aquifer (Kenneco9tt Uranium Company, 1994). Chemical concentration plots of the deep wells and adjacent shallow-completion wells (TMW-58 and -82) confirm the conclusion of no significant downward migration of affected ground water over the period of sampling (1991 to present). The deep wells do not exhibit the concentration spikes for U-Nat, Ra226-228, sulfate and TDS that are observed in the shallow wells (Attachment A).

Chemical concentration plots for shallow well TMW-48 and adjacent deep well TMW-47 indicate that impacted ground water is not currently present south of the Tailings Impoundment.

(Please note that only the *text* from the Telesto Solutions, Inc. report has been included in this discussion. Any attachments or figures mentioned in the quoted text have not been included.)

The 1995 and 2008 evaluations conclude that deeper sands are not impacted by the tailings impoundment leak.

Kennecott Uranium Company submitted a study entitled "Addendum to the Revised Environmental Report Background Ground Water Quality and Detection Standards" on February 2, 1996. This study examined the results of over 1000 water samples, with the intent of defining background parameters for chemical and radiological constituents in the Battle Spring Aquifer around the site. The study proposed new Groundwater Protection Standards (GPS) for the site based upon these newly developed background values. This study was submitted with a request to amend SUA-1350 to change the Groundwater Protection Standards to the levels proposed in the study as well as to eliminate some groundwater protection standards (GPS).

By license amendment dated May 28, 1998, the NRC amended the Groundwater Protection Standards in SUA-1350 to those values requested by Kennecott Uranium Company in an amendment request dated January 1996 entitled "Addendum to the Revised Environmental Report - Background Ground Water Quality and Detection Standards". In addition, Groundwater Protection Standards for barium, cyanide, lead, mercury, molybdenum, silver and thallium were deleted from the license. The table below outlines the changes to the Groundwater Protection Standards in SUA-1350. The control charts reflect these Groundwater Protection Standards.

Constituent	Former NRC Ground Water Protection Standard, License SUA-1350	Revised NRC Ground Water Protection Standard, License SUA-1350
		(Revised May 28, 1998)
Arsenic	0.05 mg/l	0.05 mg/l
Barium	1.0	Deleted
Beryllium	0.01	0.01 mg/l
Cadmium	0.01	0.01 mg/l
Chromium	0.05	0.05 mg/l
Cyanide	0.005	Deleted
Lead	0.05	Deleted
$Lead^{210}$	1.4 pCi/l	8.9 pCi/l
Mercury	0.002	Deleted
Molybdenum	0.04	Deleted
Nickel	0.01	0.01 mg/l
Ra^{226}/Ra^{228}	2.8 pCi/l	5.8 pCi/l
Selenium	0.01	0.01 mg/l
Silver	0.05	Deleted
Thallium	0.01	Deleted
$Thorium^{230}$	10.0 pCi/l	7.0 pCi/l
Natural Uranium	1.7 pCi/l	36.0 pCi/l
Gross Alpha	6.6 pCi/l	15 pCi/l
		Added May 26, 2005
Aluminum	None	1.8 mg/l
Iron	None	0.6 mg/l
Manganese	None	0.2 mg/l
1,1-dichloroethane	None	3.0 mg/l
1,1-dichloroethene	None	0.007 mg/l
DRO	None	10 mg/l
GRO	None	10 mg/l
Naphthalene	None	1.5 mg/l
Toluene	None	1 mg/l
1,1,1-Trichloroethane	None	0.20 mg/l
1,2,4-Trimethylbenzene	None	0.012 mg/l
1,3,5-Trimethylbenzene	None	0.012 mg/l
M+p xylenes	None	10 mg/l

In a submittal dated December 15, 2004 Kennecott Uranium Company proposed groundwater protection standards (GPS) for aluminum, iron, manganese and ten (10) organic constituents. These proposed standards are also based on the background ground water study. They have been approved. They were proposed in response to the contamination of the aquifer found around the Catchment Basin. These are shown as well, in the table above.

The ground water Corrective Action Program was revised to include the groundwater plume around the Catchment Basin by a license amendment dated May 26, 2005. This amendment was granted following these submittals and an Environmental Assessment (EA):

- Source Material License SUA-1350 Request for Amendment to License Condition 11.3 – Groundwater Corrective Action Program – May 12, 2004
- Response to Comments – July 22, 2004
- Response to Request for Additional Information – October 28, 2004
- Environmental Assessment for Amendment of Source Material License SUA-1350 for the Catchment Basin Reclamation – May 5, 2005

This report includes the plume around the tailings impoundment and the Catchment Basin.

Maps of the natural uranium, combined radium 226/228 and total dissolved solids plumes are included in this report. The table on the following page entitled Monitor Well Coordinates shows the screened intervals in the vicinity of the tailings impoundment for the wells around the tailings impoundment and Catchment Basin. The plume exists in the upper saturated fifty (50) feet of the Battle Spring Formation, roughly from 100 to 150 feet below surface.

MONITOR WELL COORDINATES

WELL #:	NORTHING	EASTING	SURFACE ELEVATION	CASING HEIGHT	CASING ELEVATION	T.D. ELEVATION	PERCH (P)/ AQUIFER(A)	SCREEN INTERVAL
TMW 1	150,107.66	324,536.42	6,648.22	0.00	6,648.22	300.00	A	160-260, 280-300
TMW 2	147,133.96	324,360.13	6,626.32	0.77	6,627.09	300.00	A	135-295, 295-300
TMW 3	145,984.03	324,361.03	6,624.74	1.53	6,626.27	300.00	A	100-267
TMW	147,141.81	323,176.55	6,625.74	1.15	6,626.89	267.00	A	100-267
TMW 5	149,053.50	328,102.80	6,656.49	2.10	6,658.59	270.00	A	100-267
TMW 6	145,356.25	327,464.50	6,640.26	1.40	6,641.66	267.00	A	100-267
TMW 7	149,339.63	325,014.08	6,652.96	1.44	6,654.40	150.00	A	100-150
TMW 8	149,912.15	324,561.80	6,645.64	0.83	6,646.47	260.00	A	220-240
TMW 10	149,145.59	323,037.81	6,556.23	0.69	6,556.92	19	A	0
TMW 15	147,910.39	325,006.29	6,642.09	1.17	6,643.26	128.00	A	78-120
TMW 16	149,397.99	325,023.08	6,654.35	1.27	6,655.62	145.00	A	95-145
TMW 17	149,602.14	325,994.00	6,660.19	0.68	6,660.87	150.00	A	100-150
TMW 18	148,922.42	325,018.57	6,654.91	1.07	6,655.98	146.00	A	96-146
TMW 19	149,601.80	326,095.60	6,660.36	1.18	6,661.54	38.00	P (DRY)	20-38
TMW 20	149,700.99	325,592.79	6,659.62	1.67	6,661.29	59.00	P (DRY)	39-59
TMW 21	149,700.09	325,793.65	6,658.05	1.35	6,659.40	53.00	P (DRY)	33-53
TMW 22	149,701.66	325,893.48	6,658.27	1.41	6,659.68	48.00	P (DRY)	28-48
TMW 23	149,703.49	325,993.59	6,658.32	0.96	6,659.28	44.50	P (DRY)	15-44.5
TMW 24	150,307.90	325,992.24	6,659.20	2.01	6,661.21	245.00	A	215-235
TMW 29	150,108.27	326,786.49	6,655.98	0.66	6,656.64	150.00	A	100-150
TMW 30	149,708.73	326,995.29	6,658.41	0.81	6,659.22	38.50	P (DRY)	18.5-38.5
TMW 31	149,901.61	327,194.15	6,660.04	1.05	6,661.09	149.50	A	99.5-149.5
TMW 34	149,487.48	326,987.78	6,656.35	1.57	6,657.92	35.70	P (DRY)	24.7-35.7
TMW 35	149,509.35	327,198.92	6,656.54	1.21	6,657.75	147.00	A	97-147
TMW 36	149,108.62	327,007.02	6,656.48	1.27	6,657.75	146.00	A	96-146
TMW 37	148,455.68	326,999.77	6,649.39	1.34	6,650.73	138.50	A	88.5-138.5
TMW-38	149,353.55	326,798.27	6,656.78	2.07	6,658.85	97.00	P (DRY)	67-97
TMW 44	147,612.17	325,588.96	6,636.84	0.68	6,637.52	135.00	A	85-135
TMW 45	147,619.66	326,196.14	6,640.37	0.63	6,641.00	135.00	A	85-135
TMW 47	147,310.10	326,491.24	6,638.73	1.62	6,640.35	230.00	A	197-217
TMW 48	147,312.58	326,482.99	6,638.50	1.22	6,639.72	160.00	A	100-150
TMW 49	147,708.93	324,836.10	6,639.23	0.96	6,640.19	150.00	A	100-150
TMW 50	148,198.81	324,697.71	6,646.76	1.04	6,647.80	150.00	A	100-150
TMW 51	147,995.26	324,449.18	6,648.40	1.60	6,650.00	170.00	A	110-160
TMW 52	148,316.56	324,221.64	6,643.25	1.45	6,644.70	150.00	A	100-150
TMW 53	147,849.28	323,913.72	6,640.03	1.44	6,641.47	160.00	A	100-150
TMW 54	149,122.85	324,827.05	6,650.73	1.33	6,652.06	58.51	P (DRY)	43.5-58.5
TMW 55	149,098.35	324,587.76	6,648.10	1.38	6,649.48	75.00	P (DRY)	49-75
TMW 56	149,105.02	324,418.67	6,646.15	1.57	6,647.72	137.00	A	87-137
TMW 57	149,296.82	324,590.47	6,647.74	2.12	6,649.86	137.00	A	87-137
TMW 58	148,915.74	324,570.92	6,645.75	1.21	6,646.96	137.00	A	87-137
TMW 59	148,403.85	325,013.86	6,647.46	0.69	6,648.15	138.00	A	90-138
TMW 61	148,422.32	324,592.68	6,648.30	1.06	6,649.36	150.00	A	100-150
TMW 62	148,789.00	324,277.11	6,645.12	1.01	6,646.13	150.00	A	100-150
TMW 63	148,924.39	325,009.90	6,653.83	0.94	6,654.77	130.00	A	110-130
TMW 64	149,797.71	324,991.71	6,651.55	0.70	6,652.25	150.00	A	97-147
TMW 65	149,805.22	325,191.36	6,653.48	1.40	6,654.88	77.85	P (DRY)	54.7-77.7
TMW 66	149,799.18	325,392.21	6,656.76	1.29	6,658.05	68.00	P (DRY)	58-68
TMW 67	150,003.26	325,192.80	6,655.02	1.61	6,656.63	72.00	P (DRY)	54-72
TMW 68	150,203.84	325,189.90	6,653.60	1.44	6,655.04	93.00	P (DRY)	76-91
TMW 69	149,649.27	324,659.43	6,653.46	1.01	6,654.47	150.00	A	100-150
TMW 70	149,309.09	324,369.82	6,649.83	1.23	6,651.06	160.00	A	100-150
TMW 71	149,835.18	324,420.67	6,652.59	1.93	6,654.52	160.00	A	100-150
TMW 72	149,020.47	322,991.15	6,640.35	1.06	6,641.41	114.00	A	90-114
TMW 73	149,055.70	322,896.82	6,643.31	1.54	6,644.85	115.00	A	90-115
TMW 74	149,799.32	325,791.92	6,659.23	0.95	6,660.18	62.50	P (DRY)	42.5-62.5
TMW 75	149,801.01	325,992.80	6,658.93	1.25	6,660.18	150.00	A	97-147
TMW 76	149,703.72	326,194.12	6,657.24	1.24	6,658.48	76.00	P (DRY)	46-76
TMW 77	149,705.25	326,394.40	6,656.93	1.35	6,658.28	30.50	P (DRY)	15.5-30.5
TMW 78	149,900.26	325,592.38	6,657.66	0.84	6,658.50	150.00	A	99-149
TMW 79	149,905.36	326,388.81	6,659.70	1.82	6,661.52	53.00	P (DRY)	48-60
TMW 80	150,100.82	325,989.30	6,660.04	1.48	6,661.52	83.00	P (DRY)	57-82
TMW 81	150,107.59	326,384.61	6,658.50	1.46	6,659.96	47.50	P (DRY)	37.5-47.5
TMW 82	150,302.15	325,987.47	6,659.56	1.08	6,660.64	150.00	A	100-150
TMW 83	150,307.20	326,379.40	6,657.86	1.01	6,658.87	65.00	P (DRY)	40-65
TMW 84	150,506.27	326,376.61	6,660.36	1.50	6,661.86	147.00	A	97-147
TMW 85			6,657.31	1.81	6,659.12	94.00	P (DRY)	50-90
TMW 86	150,502.85	325,986.77	6,658.16	1.92	6,660.08	89.50	P (DRY)	71.5-89.5
TMW 87	150,200.92	325,789.12	6,658.49	2.11	6,660.60	88.00	P (DRY)	64-88
TMW 88	149,998.44	325,792.37	6,658.71	1.78	6,660.49	85.50	P (DRY)	62.5-85.5
TMW 89	150,809.67	326,137.13	6,659.33	1.42	6,660.75	160.00	A	100-150
TMW 90	148,611.25	323,958.92	6,638.27	1.55	6,639.82	55.00	P (DRY)	35-55
TMW 91	148,518.38	323,956.86	6,638.18	1.43	6,639.61	110.00	A	90-110
TMW-92	148,504.47	323,951.33	6,638.32	1.83	6,640.15	130.00	A	110-130
TMW-93	148,399.92	324,099.96	6,638.62	2.40	6,641.02	145.00	A	95-145
TMW-94	148,400.13	324,000.02	6,638.57	1.96	6,640.53	145.00	A	95-145
TMW-95	148,399.94	323,900.08	6,638.57	2.00	6,640.57	143.00	A	93-143
TMW-96	148,500.01	323,807.75	6,639.26	1.07	6,640.33	145.00	A	95-145
TMW-97	148,599.86	323,799.93	6,639.64	1.75	6,641.39	145.00	A	95-145
TMW-98	148,699.84	323,810.19	6,642.39	1.21	6,643.60	145.00	A	95-145
TMW-99	148,707.32	323,898.85	6,712.42	1.42	6,713.84	145.00	A	95-145
TMW-100	148,799.77	324,004.42	6,638.60	1.25	6,639.85	150.00	A	95-145
TMW-101	148,800.10	324,100.06	6,639.58	2.06	6,641.64	145.00	A	95-145
TMW-102	148,600.02	323,968.63	6,638.18	1.56	6,639.74	150.00	A	130-150
TMW-104	148,508.55	324,122.60	6,637.96	1.75	6,639.71	145.00	A	95-145
TMW-105	148,581.02	323,943.82	6,638.28	1.90	6,640.18	40.00	P (DRY)	20-40
TMW-111	148,800.06	324,200.03	6,642.39	1.56	6,643.95	145.00	A	95-145
TMW-112	148,700.09	324,199.95	6,641.49	1.75	6,643.24	145.00	A	95-145
TMW-113	148,600.06	324,199.95	6,641.55	1.96	6,643.51	145.00	A	95-145
TMW-115	148,499.96	324,199.79	6,640.92	2.00	6,642.92	145.00	A	95-145

When wells are sampled the pump is run to the bottom of the well and then retracted several feet and the sample collected. If the well is deeper than the length of hose on the sampling truck reel (approximately 300 feet) the pump is lowered until several wraps of hose remain on the drum and the sample is collected. Provided that the screen is not plugged the water sample will generally come from the section of screen nearest the pump. The two samples (A and B) were collected from TMW-108 during each sample event. The "A" sample is a shallow sample collected at approximately 112 feet below surface, while the "B" sample is a deep sample collected at approximately 143 feet below surface. This was done to compare uranium concentrations in TMW-108 with the slightly higher (5590 pCi/L – 11/3/14) uranium concentrations in the adjoining shallow well, TMW-109. The uranium concentrations at 112 feet in TMW-108 are lower (3200 pCi/L – 11/3/14) than they are in TMW-109.

A new water sampling unit was deployed on February 12, 2013. Images of it are provided below:

Water levels of the monitor wells are not collected within one week of pumping of either PWW-1 and/or PWW-2. This prevents the cone of depression from the pumping of these wells from interfering with the cone of depression formed by the nine (9) pump back wells.

TMWs 8, 24 and 47 were intentionally completed solely in the range of 197 to 240 feet below surface to sample the sands beneath the plume. Samples from these wells have never been used to construct natural uranium, combined radium 226/228 or total dissolved solids plume maps.

In spite of the fact that TMW 5 is not completed solely in the plume, it is being used to define it since it is the only boundary well to the east of the plume. A single average concentration plume map for Natural Uranium, Combined Radium 226/228 and Total Dissolved Solids (TDS) was prepared for the area around the tailings impoundment and former Catchment Basin. The plume outlines were not extended West of the Mill Building since this is an area of uncertainty as described later in the text.

In October 2008 a water level sensor was installed in TMW-10 so water levels could be read at the surface without having to enter the excavation. A hose and pump were also installed in the well to allow it to be sampled from the surface, as well. This was done so that personnel sampling the well would not be exposed to risks associated with falling rock from the excavation's highwall that is immediately south of the well. Water level data for this well is gathered electronically and not with a water level tape, meaning that only water elevations and not depth to water readings are available.

On Monday, February 6, 2012 an attempt to sample TMW-10 was made. No water could be pumped from it. The well has either filled with sand or the pump has failed due to sand. This was documented in an email to James Webb of the Nuclear Regulatory Commission on Monday, February 6, 2010.

This well is not required to be sampled either in Source Material License SUA-1350 or in Table 5-1 NRC Standby Environmental Monitoring Summary, referenced in License Condition 11.5. Regardless, the well was sampled on a quarterly basis and the sample results were reported in the Annual Corrective Program (CAP) Review. No attempt will be made to repair this well at this time due to its proximity to the excavation highwall and the risks that the highwall poses to personnel working near it.

No water levels are provided from February 2015. The data was collected and placed on a sheet, but was lost. A corrective action was implemented to prevent a reoccurrence in the future. The individual collecting the water levels makes a copy of the sheet with the data on it prior to providing the sheet for entry of the data.

No water level was collected for TMW-18 in December 2015. The level measuring probe repeatedly became hung before reaching the water.

No water level was collected for well M-1 in December 2015 due to snow.

No water levels were collected for PWW-2 beginning in July 2015, since the well was blocked below surface, the water level probe became hung in the well and could not be removed.

A large quantity of diesel contaminated soil was excavated at the Sweetwater Uranium Project between November 2001 and March of 2003. This operation was reported to the Nuclear Regulatory Commission. Two (2) monitor wells, TMW-72 and 73 were completed immediately down gradient of the excavation and are shown on the maps in blue as Contaminated Soil Excavation Monitor Wells. TMW-72 and 73 were completed into the very top of the saturated portion of the Battle Spring Aquifer at 90 – 114 and 90 – 115 feet below surface, respectively. These wells are completed approximately ten feet above and fifteen feet into the saturated zone.

The purpose of these wells was to sample the top of the aquifer for hydrocarbons that may float on top of the aquifer surface. Since these wells were completed solely for monitoring of organics, the sampling/analysis instructions for these wells included only sampling and analyzing for organics. In several instances, however, the wells were sampled and analyzed for inorganics (Guideline 8 plus radiometrics), but since the wells were completed for hydrocarbon monitoring, the inorganic results were never checked and were filed separately from the organic results that were checked. During a review of water sample data these inorganic results were discovered and are presented in the Section entitled Diesel Excavation Monitor Wells. TMW-72, the easternmost well, exhibited elevated, but declining uranium concentrations. The current concentration (7/22/15) is 486 pCi/L (0.718 ppm). TMW-73, the westernmost well, currently exhibits a concentration (7/22/15) of 4360 pCi/l (6.44 ppm).

Upon discovery of this information, the following was done:

- TMW-72 was re-sampled and the sample analyzed for inorganics on October 26, 2006.
- TMW-73 was also re-sampled on October 26, 2006 and on November 8, 2006. On November 8, 2006 the well was pumped and samples collected after 59, 450 and 932 gallons had been pumped, to determine if the uranium extended substantially beyond the well bore.
- The results of this sampling are attached in the section entitled Diesel Contaminated Soil Excavation Monitor Wells.

The sample results were reported verbally to Stephen Cohen of the NRC in two telephone conversations on February 7 and 14, 2007.

These results are puzzling for the following reasons:

- TMW-72 and 73 are approximately 106 feet apart and completed to the same depths.
- The wells exhibit vastly different uranium concentrations (869 pCi/L – TMW 72 and 5300 pCi/L – TMW 73).

The source of uranium in these wells is unclear. A number of potential sources have been considered and rejected. The primary concern was that the uranium present was related to the two other sources of groundwater contamination on site, specifically the tailings impoundment and the Catchment Basin.

In 2007 the following was done:

- Six (6) monitor wells (three shallow – depth 115 feet and three deep – depth 145 feet, were completed in a north-south line west of the Mill and Solvent Extraction (SX) Buildings.
    - The odd numbered wells TMW-103, 107 and 109, are shallow.
    - The even numbered wells TMW-106, 108 and 110 are deep.
    - These wells are shown on the map entitled “Well Locations”. These are the wells shown in the map entitled Proposed Well Locations in the 2006 CAP Review.
    - These wells were sampled quarterly following completion. The results are included in this report.
- In August 2007 a seventh well TMW-10 was completed in the upper portion of the Battle Spring Formation in the bottom of the diesel contamination excavation. This well was completed by excavation with a trackhoe and installation of fifteen (15) inch diameter polyethylene casing surrounded by a gravel pack in the dug hole. This well was completed in this manner so that:
    - A well could be completed very near to TMW-72 and 73 and upgradient of them.
    - The well excavation could be examined and carefully sampled for any evidence of mineralization.
    - The results of the examination of the well excavation are included.
    - Sampling results for this well are included in this report.

The following table details the (July 2015) key sampling results of the newly completed wells as well as TMWs 72 and 73:

Well	Depth	Natural Uranium (pCi/L)	Combined Radium-226/228 (pCi/L)
TMW-10	Shallow	Not sampled - Pump failed	
TMW-72	Shallow	486	6.1
TMW-73	Shallow	4360	33.7
TMW-103	Shallow	12.9	25.3
TMW-106	Deep	12.5	24.8
TMW-107	Shallow	9.6	9.2
TMW-108B	Deep	4090	14.5
TMW-109	Shallow	5260	22.2
TMW-110	Deep	4.5	7.9

Shallow – Completed in upper saturated fifteen (15) feet of the aquifer.
Deep – Completed in the upper saturated 45 to 50 feet of the aquifer.
Uses samples from July 2015

Kennecott Uranium Company hired Telesto Solutions, Inc. to prepare a groundwater study for the site in 2008. This study included:

- Preparation of a Microsoft Access groundwater database. This database has been used on an ongoing basis since, for report preparation and storage and management of groundwater data.
- Study of the hydrology and ground water chemistry in the vicinity of the mill tailings impoundment and catchment basin excavation.
- Study of scatter plots of zinc, sulfate, chloride, selenium and natural uranium in site water samples.
- An oxygen and sulfur stable isotope study of TMWs 18, 59, 96, 97, 10, 72 and 73, using a sample of water from the North Camp Well as an example of naturally occurring water and a sample of sulphuric acid etched limestone chips from the Mill's acid pump room as a source of sulfate from sulphuric acid used in the mill/process.

A copy of this study was reviewed on site by John L. Saxton, Hydrogeologist, of the Nuclear Regulatory Commission (NRC) during an inspection on August 4 to 5, 2009.

The report concluded by stating the following:

> *An original objective of this evaluation was to identify the existence of historical chemical sources and evaluate the development of ground water chemical plumes extending down gradient of these sources. Compilation of the chemical and water level data show that a highly plausible explanation of the distribution of chemicals in the Battle Spring Aquifer near the mill is that:*
>
> 1. *Tailings leakage created a large, perched water body that sourced (and may continue to source) chemicals to the underlying ground water system. The current signature of this water is that of higher sulfate concentrations and relatively low U-Nat concentrations.*
> 2. *Leakage from the bottom of the Catchment Basin impacted the ground water system during milling. These constituents were pulled toward the pit during pit dewatering and then reversed travel direction with the reversal in ground water gradients back toward the mill area.*
>
> *In terms of the distribution of ground water quality:*
>
> - *All ground waters in the Mill, Diesel Contaminated Soil Excavation and Tailings areas are a mixture of process and natural waters*
> - *Ground water quality near the Diesel Contaminated Soil Area is more like mill process water but different than tailings process water*
> - *Ground water quality to the south and east of the pumping centers is being influenced by background ground water that is being captured along with process influenced ground water*
> - *Anomalies exist within the Battle Spring Aquifer ground water quality such as the extraordinarily high uranium concentration in TMW-73.*
>
> *Natural sources of uranium may influence local concentrations and may contribute to the "patchy distribution" observed in uranium concentrations. Several hypotheses are proposed in this report to explain the patch nature of impacted ground water across the area of interest. These include:*
>
> - *Slow back-diffusion of chemicals from low permeability strata with nearly stagnant ground water into*

more permeable strata with active ground water flow

- *Slow and non-uniform drainage of a historical perched water body that developed around the Tailings Impoundment due to a leak that occurred in the 1980s*
- *Mobilization (dissolution) of chemicals from naturally occurring minerals due to water table fluctuations associated with historical mine dewatering that occurred between 1979 and 1983, but which affected site water levels into the 1990s.*

While the hydrogeologic and chemical data indicate that ground water in the Diesel Contaminated Soil Excavation Area is more like process water than background ground water, and that observed concentrations in the Diesel Contaminated Soil Excavation Area could be highly influenced from the Catchment Basin, there is a weight of evidence that high uranium concentrations may be naturally occurring radioactive material. There are a number of instances in the near vicinity of the Sweetwater mine and mill, and in the Red Desert area, of naturally occurring high uranium concentrations:

1. *The mine area of course yielded an ore body naturally high in uranium concentrations.*
2. *The Lost Creek Schroeckingerite deposits located approximately 15-20 miles northwest of the mill exhibited spotty distributions of soils and ground water with high natural uranium and sulfate concentrations.*
3. *The North Camp Well, located about a mile southwest of the mill, has exhibited natural uranium concentrations in ground water.*
4. *The Metallurgical Test Pit which is located approximately one mile southwest of the mill exhibited high U-Nat and sulfate.*
5. *The Lost Creek background well date collected from wells approximately 3.5 to 6 miles north of the Sweetwater Uranium Project, especially the data from well LC31M, which is completed in the DE Horizon (upper 150 feet of the Battle Spring Formation at that location) shows uranium from 1.4 to 2.1 mg/L and sulfate from 277 to 316 mg/L.*
6. *In the course of excavating in the vicinity of the catchment basin, a dark, organic deposit was discovered which was naturally high in uranium concentrations. This affected area was very limited in extent however other such deposits may exist scattered through the formation. Information about this material is provided in Attachment D.*

The Telesto report specifically discussed natural sources of uranium in the vicinity, stating:

On Site Natural Sources

Soil samples collected from the south side of the excavation at the Petroleum Remediation show elevated solid concentrations of radium with some uranium. The uranium is out of equilibrium with the Ra-226 suggesting that uranium has been leached from the soils leaving the less mobile radium behind. A spreadsheet with an image and sample data for the soil samples is included as Attachment C.

In the course of excavating in the vicinity of the Catchment Basin, a dark, organic deposit was discovered that had measured concentrations of uranium ranging from 21.9 to 2550 mg/Kg (uranium mass divided by total dry mass). This affected area was very limited in extent; however other such deposits may exist scattered through the formation near the mill site. These laboratory results along with a Petrographic report on this material are included in Attachment D.

Figure 27 is an equilibrium diagram of the uranium minerals expected to exist in the Battle Spring Aquifer. These natural uranium minerals, by their presence, have to influence the uranium concentration in ground water. As evidenced by the test pits at the Diesel Contaminated Soil Excavation Area, the uranium mineralization is quite heterogeneous around the site. Under natural conditions, the areas of the Battle Spring Aquifer below the water table that contain uranium mineralization (likely uraninite) probably produces concentrations similar to those determined from the background studies. However, as the water table fluctuates due to mine dewatering or water supply pumping (for example), the geochemical equilibrium of the aquifer changes. Zones that once were saturated now become unsaturated and oxygen (an electron provider) becomes available. Under such oxidized conditions, the stable uranium mineral in the system transfe3rs from uraninite to schoepite. As the ground water table rebounds in the presence of schoepite, the solubility of uranium in the ground water is increased dramatically over that of pre-water table fluctuation. Geochemical equilibrium calculations show that schoepite in equilibrium with ground water containing dissolved oxygen, carbon dioxide, and alkalinity (from calcite) in ground water is approximately five orders of magnitude more soluble than uraninite under anaerobic conditions. That is not to say that schoepite in a natural system will

produce five orders of magnitude higher U-Nat concentrations, but that it will provide a potential for higher U-Nat concentrations to be generated than concentrations in the presence of only uraninite. Thus, in a ground water system with uraninite as the stable uranium-bearing mineral phase, a fluctuation in the ground water table due to pit dewatering would result in a change in the stable uranium-bearing mineralogy such that when the ground water table reestablishes the equilibrium concentration of uranium in ground water could increase.

During mine dewatering (1979-1983), the water table in the Diesel Contaminated Soil Excavation Area fell by 35 to 40 feet, exposing portions of the previously saturated zone to air. The resulting oxidizing conditions may have increased the solubility of naturally occurring uranium within the aquifer when the water table was depressed. After dewatering ended, the water table rose by 25 to 30 feet to its current stabilized position. As the water table rose, it is possible that the more soluble schoepite mineral could have contributed to the higher U-Nat concentrations observed.

Natural Sources in the Vicinity

A study performed in the area of the barium chloride treatment ponds (Water, Waste & Land, Inc., 1984), concluded that a fluctuating water table was responsible for mobilizing naturally occurring selenium, and this led to increased selenium concentrations in North Camp Well and other ground water wells. The fluctuation resulted from a water table rise associated with fluid disposal at the ponds, followed by a water table fall resulting from pit dewatering. Because the study was performed in 1984, it did not track water quality effects after the end of pit dewatering, which led to a subsequent rise of the water table. While the study focused on selenium, there appeared to be a fairly strong correlation between water table fluctuations and changes in uranium and sulfate concentrations, and a moderate correlation between radium concentration changes in the North Camp Well lending credence to the aforementioned mechanism for increasing uranium ground water concentrations from natural sources.

The largest known (as of 1961) group of Schroeckingerite (a hydrated flou-carbonatesulfate of sodium, calcium and uranium) deposits in the world is located just northwest of the Sweetwater site (Sheridan, et. al. 1961). Schroeckingerite is highly soluble in water and thus exists primarily in the unsaturated zone. It is also an evaporite and thus is most common near the ground surface, although it may be encountered throughout the entire unsaturated zone if conditions exist where it cannot be mobilized by infiltrating meteoric water. While a likely source of uranium in a ground water system that fluctuates through the unsaturated zone, it is not a likely candidate as a significant source in the ground water system on site unless some of it was encountered during placement of wells and transported to the ground water system. However, if Schroeckingerite exists or one existed up gradient of the Sweetwater site in areas where ground water is near the ground surface, its dissolution could have increased concentrations in the ground water. Up gradient ground water would have transported down gradient to Sweetwater, and thusly, this mechanism may explain some of the concentrations of U-nat and sulfate in the ground water system.

Minerals Exploration Company dug a metallurgical test pit in 1975 prior to opening the facility. The test pit is located in the southwest quarter of Section 16, T24N, R93W, approximately one-mile southwest of the Petroleum Remediation Area. The test pit was excavated to a depth of 70 feet. During excavation of the pit, the first seep of ground water occurred at a depth of 58 feet. Standard chemical analyses and radiochemical analyses of ground water collected at the test pit in 1975 were performed, and indicated naturally high levels of both sulfate (1450 mg/L) and uranium (3.15 mg/L and 13.3 mg/L, corresponding to 2130 pCi/L and 9004 pCi/L). These data indicate that mineralized portions of the Battle Spring Aquifer are located quite close to the mill and can exhibit sulfate and uranium concentrations similarly high to those being observed in TMW-73. It should be noted that this test pit and related water were collected prior to mining and milling operations at the site.

A potential in-situ uranium recovery site is in the process of being explored for its commercial potential; with the center of the exploration area located about six miles northeast of the mill and tailings area. This site is located within the same Battle Spring Draw surface drainage basin, and the exploration wells have been drilled into the same Battle Spring Aquifer that underlies the Sweetwater Uranium Facility. Exploration wells have been drilled to depths as great as about 550 feet, with four identified hydrostratigraphic horizons: 1) a shallow unconfined sandstone horizon to a depth of about 175 feet; 2) a deeper confined sandstone horizon from about 175 to 350 feet below the surface; 3) a confined mineralized horizon from about 350 to 500 feet in depth; and 4) an underlying sandstone aquifer below 500 feet.

Exploration well LC31M is of particular interest for the purpose of evaluating the presence of naturally occurring radiological material in the vicinity of the Sweetwater mill. It is located 3.5 miles due north of the tailings impoundment, and was completed in the upper unconfined sandstone, the same portion of the Battle Spring Aquifer measured by the TMW wells completed at any depth less than about 150 to 175 feet. Chemical tests of the background ground water quality measured at this well show sulfate concentrations of 277 to 316 ppm, and uranium concentrations of 1.40 to 2.10 mg/L (945 to 1422 pCi/L). While not all the exploration wells of the potential Lost Creek project show these more elevated concentrations of uranium, the data indicate spotty, naturally elevated areas of uranium mineralization in a portion of the Battle Spring Aquifer analogous to the Sweetwater site.

The Sweetwater Uranium ore body is, of course, a natural source. Overburden extracted from above the mineralized zone had measurable quantities of uranium mineralization (Shepherd Miller, Inc., 1999). This mineralization has been shown to increase uranium (and sulfate) concentrations in water bodies. During dewatering, the dewatering wells exhibited low concentrations of uranium and sulfate. After dewatering ceased and ground water started flowing through backfilled overburden material, the water collecting in the pit lake had elevated concentrations of uranium and sulfate. The leaching of naturally occurring uranium and sulfate from the backfill material exhibits that uranium and sulfate minerals exist naturally in the area outside of the ore zone. This observation of elevated uranium and sulfate outside of the ore zone and in the area of the site is also supported by Mason and Miller's (2004) reporting of uranium and high sulfate data in a well in Section 34, Township 25 North, Range 90 West.

(Please note that only the *text* from the Telesto Solutions, Inc. report has been included in this discussion. Any attachments or figures mentioned have not been included.)

The Telesto Solutions, Inc. report concludes by recommending that up to ten (10) additional monitor wells be completed west of the Mill Building to better define the plume to the west. This has been superseded by the 2015 response to a July 13, 2015 Request for Additional Information (RAI) that proposes six (6) additional monitor wells and states:

In total, six new monitoring wells are recommended. The wells would target the upper Battle Spring Aquifer and not be completed in suspected perched zones. Wells are proposed to be completed over an approximate 60-foot zone extending from approximately 10 feet above the water table to approximately 50 feet below the water table, or from approximately 90 to 150 feet below ground surface.

Kennecott Uranium Company is awaiting a response from the Nuclear Regulatory Commission (NRC) staff regarding the proposed six (6) additional monitoring wells. The 2009 Telesto Solutions, Inc. report states that:

"The ground water level contour map (Figure 6) clearly shows that well pumping at the site has created an effective containment system, which removes chemical mass and eliminates offsite migration. These beneficial effects are being accomplished at a modest total pumping rate of about 50 gpm."

The natural ground water direction has been reversed in the mill site area, and ground water impacted by site activities appears to be captured by the pumping system. Therefore, the system is working as designed, is extracting impacted ground water, and is containing contaminated ground water.

U-natural concentrations continue to increase throughout the plume. Particularly in the area nearest the pumping wells, concentrations of U-natural are increasing. Because these higher-concentration waters are being pumped out of the system, this is desirable, as the chemical load within the aquifer can best be remediated by removing higher concentration water.

The primary pumping wells are TMW-18 and 59 which are located along the west edge of the impoundment as well as TMW-57 which is located approximately 400 feet west of the north half of the west edge of the impoundment. An examination of the 2013 Spring and Fall Piezometric Contour Maps shows that the heart of the pumpback system's cone of depression immediately west of the impoundment is located around these wells. These wells are undoubtedly pulling uraniferous water toward them increasing uranium concentrations in proximity wells such as TMW-16 and in wells further away but still within the cone of depression, such as TMW-36.

Uranium concentrations are also increasing in TMW-36. This well is on the east edge of the tailings impoundment. Historically, before pumping began, this well would have been proximate to the location of tailings fluid leakage the identified source of ground water contamination. It is assumed that water from the tailings pond area migrated east and southeast of the tailings pond before the pumping wells were installed. We still see remnants of this contamination east of TMW-36, but in low concentrations (relative to other wells on site). It is likely that due to high salts and to uranium and other contaminants historically in the area around TMW-36, this material is currently desorbing from aquifer materials and flowing back past TMW-36, toward the pumping wells.

Based on ground water elevation data, TMW-36 is within the areas of influence of the cone of depression of the pumpback system and that groundwater should be flowing from East to West past TMW-36 toward the recovery wells.

Naturally occurring sources of uranium impact ground water at other locations and at various wells in the area.

The Geology of the Lost Creek Schroeckingerite Deposits Sweetwater County, Wyoming (Geological Survey Bulletin 1087-J) by Charles Maxwell et al reported uranium concentrations in water samples collected in bore holes ranging from 0.010 to 46 parts per million. Clearly, very high naturally occurring uranium concentrations in ground water can exist in the Red Desert. The uranium encountered in the water in this borehole may be entirely natural. The levels of uranium in ground water reported in the Survey Bulletin tended to be very spotty which is similar to the spotty nature of the uranium observed in TMWs 72 & 73.

A well, 25-92-21BA, in the northeast quarter of Section 21, Township 25 North Range 92 West, also exhibits elevated uranium activities. In a sample collected on October 5, 2010, the well water contained 1.05 mg/L uranium, 6.7 pCi/L Radium-226 and 7.5 pCi/L Radium-228. This well is upgradient of the Sweetwater Uranium Project and is depicted in the image below:

Well (25-92-21BA) – Well equipped with Bureau of Land Management (BLM) solar powered pump for livestock and wildlife watering

A test pit was excavated by Union Oil Company of California prior to the start of operations near the southeast corner of Section 16, Township 24 North, Range 93 West, that was 68 feet deep (bottom elevation was approximately 6540 feet above mean sea level). It was excavated to obtain samples of uranium mineralization above the water table. A bulk sample of mineralized sand above the water table was removed that contained 0.011% U_3O_8 and a bulk sample from below the water table was also removed that contained 0.033% U_3O_8. (Recovery of Uranium from Red Desert Sandstone Ore by H_2SO_4 Leach and Solvent Extraction – Hazen Research, Inc. February 18, 1976) This test pit was approximately 0.9 miles southwest of TMW 73. Some soil samples were collected in the diesel contaminated soil excavation along the south wall closest to TMWs 72 and 73. One sample contained 43.3 milligrams per kilogram uranium. It was collected from a depth of approximately 35 feet below ground surface. Background for uranium in surface soils around the project is 2.44 milligrams per kilogram. The concentrations discovered in the above described sample are substantially above background and represent mineralized sands. Localized bodies of mineralized sands could be the source of the elevated uranium in TMWs 72 and 73. A map entitled Background Radionuclide Sample Locations – West End Diesel Contaminated Soil Excavation, showing the locations of four soil samples collected in the excavation as well as the analytical results are included in the section entitled Diesel Excavation Monitor Wells.

The fact that the discharge of water onto the surface at the Barium Chloride Ponds was able to mobilize naturally occurring uranium in surface soils and elevate uranium concentrations in the underlying aquifer shows that uranium mobilized by downward percolating surface water can elevate uranium concentrations in underlying aquifers. Surface water (rainfall,

snowmelt) percolating through mineralized sands may be the cause of the elevated uranium concentrations in TMWs 72 & 73.

Naturally occurring high concentrations of uranium are known to exist in the area within forty (40) feet of the surface and rainwater and snow melt could leach uranium from these occurrences down into the Battle Spring Aquifer. The following is sample data for some uraniferous sands found in the northeast corner (Kminus3 area) of the Catchment Basin excavation:

Location	Sample Type	Northing	Easting	Diesel Range	Oil Range	Total Extractable	Natural Uranium (milligrams per kilogram)	Natural Uranium (picocuries per gram)	Thorium 230 (picocuries per gram)	Th230 Uncertainty	Radon Result	Radon Uncertainty
K Minus 3 NORM area	Black material	148982.97	324146.97	226	804	1000	2550	1726.35	393.0	17.0	396	9
K Minus 3 NORM area	Sand	148982.97	324146.97	211	650	834	2350	1590.95	708.0	29.0	326	6.4

This uranium, radium-226 and thorium-230 is clearly naturally occurring as per the attached report entitled "Petrographic Evaluation of Sample #CO7051289-001A".

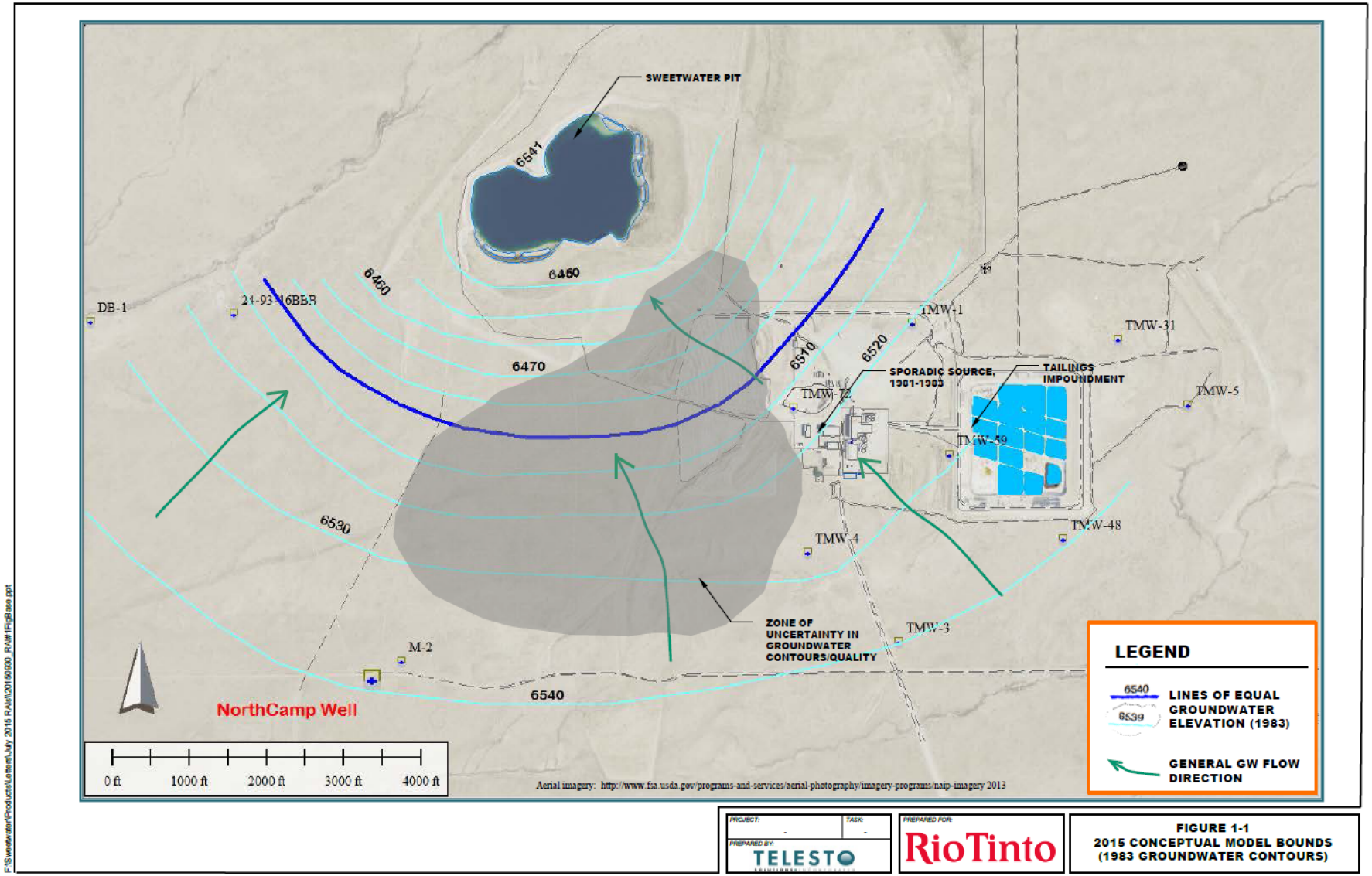
When TMW-10 was completed in the bottom of the Diesel Contaminated Soil Excavation it was completed by digging a hole into the aquifer with a trackhoe. This allowed the wall of the excavation to be carefully examined and sampled. The south wall of the excavation was photographed with a stadia rod in the image and one-half foot composite samples were collected and tested for uranium and radium-226. The results are included on the spreadsheet that follows. In addition, bulk samples above, at and below the water table were collected and analyzed. The results are included on the second spreadsheet.

This data shows very high naturally occurring radium-226 concentrations comprising what would be considered a relict or "phantom" uranium deposit. Specifically, one in which the soluble uranium had been leached and mobilized by downward percolating groundwater leaving the radium-226 and its gamma emitting decay products behind. Phenomena such as the previously described naturally occurring uranium in organic matter and this naturally occurring radium-226 would provide an explanation for elevated uranium and radium concentrations in TMWs 72, 73, 10 and other wells. Groundwater data for the seven (7) new wells (TMWs 10, 103, 106, 107, 108, 109 and 110) as well as TMW 72 and 73 were provided to Stephen Cohen at his request in three emails dated September 30, November 8 and November 20, 2007.

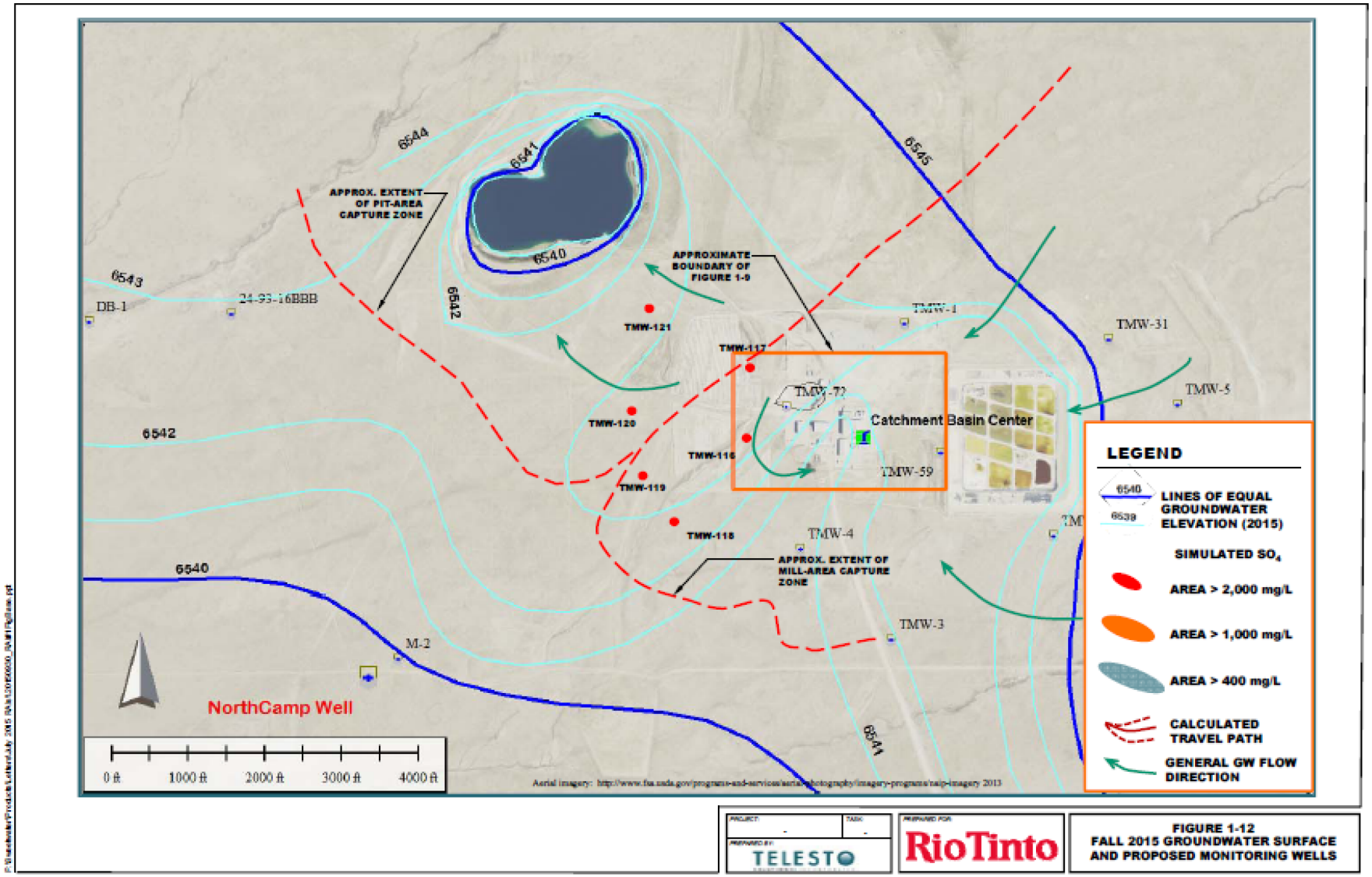
The issue regarding uranium in groundwater West of the Mill Building was re-examined in the 2015 response to a July 13, 2015 Request for Additional Information (RAI). The response states:

There was no direct correlation between mill-influenced waters and groundwater in the concentrations of radium-226/228, natural uranium, manganese or iron due to these constituents occurring naturally in the underlying aquifer.

The response defines a zone of uncertainty regarding the Western extent of the plume as shown in the figure below:



The response proposes completing six (6) new monitoring wells West of the Mill Building as shown in the figure from the response below:



The response states that the purpose of these wells is to resolve whether uranium, radium and other constituents encountered in the area West of the Mill Building are natural or anthropogenic. The response states:

> *The uncertainty regarding the western margin of the Catchment Basin release (as represented by the sulfate plume) can be reduced by the installation and testing of monitoring wells in the gray area shown in Figure 1-1. Focus is on the Catchment Basin releases conservatively defined by the sulfate plume because the Tailings Impoundment release has been well defined and effectively contained by pumping under the CAP since April 1986, and because of the relative uncertainty of plume extents to the west. The 2015 Conceptual Model provides guidance as to where the placement of monitoring wells would most likely improve the understanding of the plume extents. Recommended well locations are depicted in Figure 1-12. In total, six new monitoring wells are recommended. The wells would target the upper Battle Spring Aquifer and not be completed in suspected perched zones. Wells are proposed to be completed over an approximate 60-foot zone extending from approximately 10 feet above the water table to approximately 50 feet below the water table, or from approximately 90 to 150 feet below ground surface.*
>
> *Associated with the installation of monitoring wells, we recommend that cores be cut and sampled above, at, and below the water table for the purpose of assessing the baseline geochemistry of the well completion area. The solid samples should be tested for constituent release by performing precipitation leaching tests (e.g., standard precipitation leach procedure, or meteoric water mobility procedure) and a kinetic weathering test (e.g., batch humidity cell test). The resulting data from these tests would help bolster the understanding of the potential release of naturally occurring constituents at these locations. These data would thus help to distinguish between naturally occurring and mill-influenced groundwater concentrations in the area. The naturally occurring release of constituents (e.g., U-nat and radium 226/228) has been shown to occur throughout the Battle Spring Aquifer and most recently in the area of TMW-10. In 2002, the Battle Spring Formation was sampled and extensively tested as part of the remediation activities in the DRA. The results of the testing showed the remnants of uranium decay (thorium and subsequently radium 226/228) in the soil profile above and below the water table. The samples showed little or no corresponding natural uranium, which indicates that that natural uranium was once present and that it had leached out leaving the decay products behind. By including the core sampling with the installation of monitoring wells, the processes associated with historical, natural releases of natural uranium can be detected and the source of groundwater concentrations can be discerned. For example, if sulfate is not found in the uncertain area, but natural uranium is present in the ground water, the presence of natural uranium and/or its daughter products will lend a strong argument that the dissolved uranium is naturally occurring and not from the release at the Catchment Basin.*

Current Status of the Plume

Three (3) plume maps have been prepared for this report. There is one (1) map each for Natural Uranium (U-Nat), Combined Radium-226/228 and Total Dissolved Solids (TDS). Each map uses the average concentration for the wells for 2015. With the exception of the pumpback wells which are sampled quarterly, the monitor wells (TMWs) are sampled semiannually. Each map depicts the plume around the tailings impoundment and former catchment basin, but does not depict the plume in the area west of the Mill Building.

The Uranium (U-nat) Contour Map (see Maps) shows the 36.0 pCi/L natural uranium contour. The map shows the plume extent using the average uranium value for the well in 2015. The Combined Radium-226/228 Contour map (see Maps) shows the 5.8 pCi/L Combined Radium-226/228 contour. The map shows the plume extent using the average value for each well in 2015. The Total Dissolved Solids (TDS) Contour Map (see Maps) shows the TDS plume in the vicinity of the tailings impoundment. It shows TDS contours in 500 milligram per liter increments. The map shows the plume extent using the average value for each well in 2015.
The plume areas, for the plumes around the tailings impoundment and former catchment basin, are as follows:

Contaminant	2013 Minimum Plume Area (acres)	2013 Maximum Plume Area (acres)	2014 Minimum Plume Area (acres)	2014 Maximum Plume Area (acres)	2015 Average Plume Area (acres)
Natural Uranium	52.1	53.9	48.9	56.6	54.2
Combined Radium 226/228	166.7	199.0	166.0	193.5	160.7
Total Dissolved Solids (TDS)	182.3	177.2	178.6	178.3	173.9

The 2015 average Natural Uranium (U-Nat) plume area is 2.4 acres smaller than the corresponding plume area for 2014. The 2015 average Combined Radium 226/228 plume is 32.8 acres smaller than the corresponding plume area for 2014. The 2015 average Total Dissolved Solids (TDS) plume is 4.4 acres smaller than the corresponding plume area for 2014.

Elevation Data

In November 1996, as part of the field work program to develop a final design for tailings management for the Sweetwater Uranium Project, eighteen control points (section corners, quarter corners, etc.) covering a nine square mile area around the mill were surveyed with a global positioning system. The original elevation of the southeast corner of Section 15, Township 24 North, Range 93 West was found to be wrong. Please see the memo submitted as Appendix A of the 1996 Corrective Action Program (CAP) Review from Kent Bruxvoort of Shepherd Miller, Inc. This point was used to establish ground surface and casing elevations for the tailings monitor wells (TMW) around the tailings impoundment.

As a result of this discovery, all of the casing elevations for all of the tailings monitor wells and potable water wells (PWW) were resurveyed by Inberg-Miller Engineers, Inc. of Riverton, Wyoming. A mark was filed into the top of the casing in each well and the casing elevation was surveyed at that mark. All water level measurements have been taken from that mark as well, to insure accuracy and consistency of results. In addition, the casing heights of each well were measured so accurate ground elevations for each well could be obtained. These elevations are listed in Table 2.3 of "Evaluation of Aquifer Test Data", submitted as Appendix B of the 1996 Corrective Action Program (CAP) Review. The correction of the casing heights has affected the piezometric contours for the aquifer.

As work has been performed in the Catchment Basin excavation area (fill added to enhance compaction, etc.) and well repairs have been completed, wells have been resurveyed as required.

Pumpback Volumes and Impoundment Evaporative Capacity

The evaporative capacity of the tailings impoundment currently stands at a minimum of 29.46 million gallons per year. Please refer to the table below:

Tailings Impoundment Evaporation Capacity

Lagoon Designation	Area		Evaporation at Maximum Pan Rate (Gallons per year)	Evaporation at Calculated Lake Evaporation Rate (Gallons per year)
	Square Feet	Acres		
1-O	81,798.56	1.88	3,095,164.46	2,166,615.13
1-W	99,531.68	2.28	3,766,165.55	2,636,315.89
1-E	100,230.07	2.30	3,792,591.84	2,654,814.29
2-W	72,017.00	1.65	2,725,041.36	1,907,528.95
2-E	77,418.51	1.78	2,929,428.35	2,050,599.85
3-W	68,249.06	1.57	2,582,466.80	1,807,726.76
3-E	53,191.59	1.22	2,012,709.26	1,408,896.48
4-W	58,982.00	1.35	2,231,811.79	1,562,268.25
4-E	78,433.96	1.80	2,967,851.83	2,077,496.28
5-W	58,665.02	1.35	2,219,817.63	1,553,872.34
5-E	57,500.41	1.32	2,175,750.11	1,523,025.08
6-W	60,862.93	1.40	2,302,984.04	1,612,088.83
6-E	68,160.91	1.56	2,579,131.30	1,805,391.91
8-E	112,197.27	2.58	4,245,417.07	2,971,791.95
9-W	65,113.85	1.49	2,463,834.02	1,724,683.81
Total:	**1,112,352.82**	**25.53**	**42,090,165.41**	**29,463,115.79**

The above table shows the amount of fluid that can be evaporated from the existing tailings impoundment lagoons based upon their area and a maximum evaporation rate (pan evaporation rate) of 60.7 inches per year and a minimum evaporation rate (lake evaporation rate) of 0.7 times the pan rate. The pan evaporation rate is from the site's Revised Environmental Report dated August 1994. Determination of a lake evaporation at 70 percent of pan evaporation is based on Seller, 1965. Even at the minimum calculated evaporation rate the currently lined lagoons are more than adequate to evaporate the current maximum pumpback volume of 25 million gallons per year. Thus the tailings impoundment in its current configuration can evaporate the currently generated pumpback volumes.

This issue was discussed with James Webb in telephone conversations on Thursday, September 27 and Monday, October 1, 2012. He suggested submitting a letter regarding the situation. One was submitted dated October 10, 2012. A reply dated November 15, 2012 was received. Kennecott Uranium Company prepared a Safety and Environmental Evaluation (SEE) to increase the pumpback limits in 2013 from 25 million to 27 million gallons per year.

The 27 million gallon per year limit was considered appropriate given the calculated evaporative capacity of the impoundment. This change was made by SEE #23 – Establishment of Annual Pumpback Volume Based upon Tailings Impoundment Evaporative Capacity. In 2015 a total of 26,396,000 gallons were pumped into the impoundment, below the limit of 27 million gallons established by Safety and Environmental Evaluation #23 (SEE-23).

It is planned for 2016 to operate the pumpback wells at the following approximate flow rates:

WELL #	Gallons per Minute
TMW-96	3.4
TMW-97	3.5
TMW-59	9.0
TMW-75	3.5
TMW-17	9.0
TMW-7	3.5
TMW-57	3.5
TMW-18	11.0
TMW-58	4.6
Total:	**51.0**

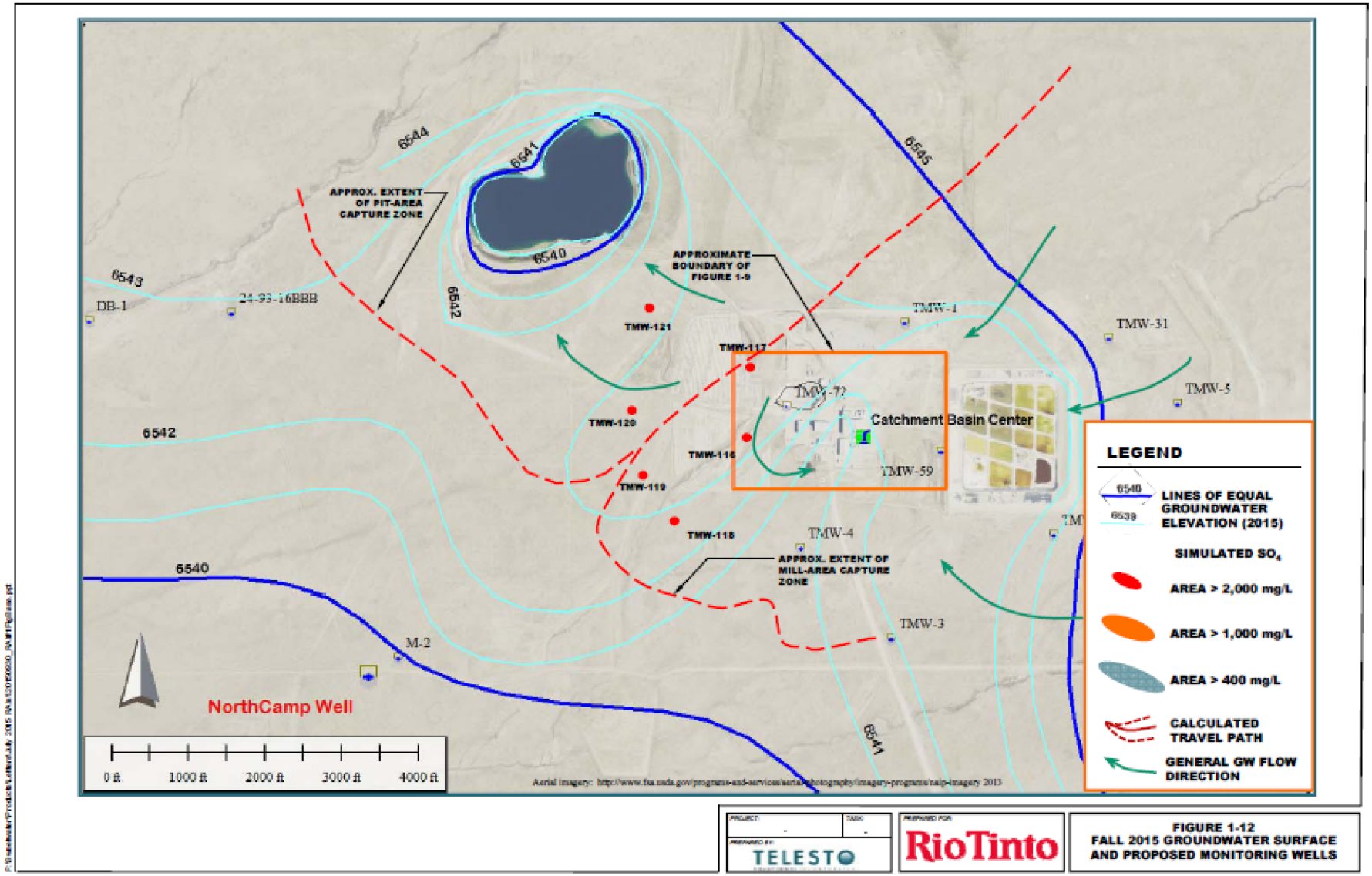
TMWs 59 and 18 have the highest Total Dissolved Solids concentrations (2190 ppm and 2160 ppm maximum in 2015) so they will be operated at the highest flow rates with the other less contaminated wells pumped at lower rates so that the total pumped volume does not exceed 27 million gallons, as specified in Safety and Environmental Evaluation (SEE) #23.

Since execution of Safety and Environmental Evaluation (SEE) #23 on May 31, 2013, pumpback rates were increased and 26,645,670 gallons were pumped into the impoundment in 2014. Observations of the impoundment show that to date there have been no problems in evaporating the additional volume.

The following groundwater contour maps are included with this report:

- *Spring 2015 Piezometric Contour Map* shows the groundwater contours around the tailings impoundment and Catchment Basin in spring 2015.
- *Fall 2015 Piezometric Contour Map* shows the groundwater contours around the tailings impoundment and Catchment Basin in fall 2015.

Included below is a figure from the 2015 response to a July 13, 2015 Request for Additional Information (RAI) that depicts the Fall 2015 groundwater surface:



Five (5) foot contours are in red while one (1) foot contours are in dashed black on both maps. These maps show the extent of the cone of depression created by the pumpback wells. These maps were created using groundwater elevation data from all of the aquifer monitor wells regardless of the completion depth, since the piezometric surface is believed to be a property of the aquifer as a whole.

No water levels were collected within one (1) week of operation of PWW-1 and/or PWW-2 so that the operation of these wells would not interfere with the depiction of the potentiometric surface created by the operation of the pumpback wells.

Salts/Contaminants Removed from the Battle Spring Aquifer

Table 2 – Mass of Salts and Other Constituents Removed from the Perched and Battle Spring Aquifers and Pumped Back into the Tailings Cell lists the cumulative quantities of salts (contaminants) pumped back from the Battle Spring Aquifer into the tailings cell via the pumpback system. Charts showing the quantities of salts returned to the tailings cell are also included for each of the wells pumped back into the impoundment in 2014.

TMWs 90 and 105 were removed during the course of the excavation of the contaminated soils around the Catchment Basin in 2006. They have no longer been present since 2006.

Tailings Impoundment Water Evaporation System

The transfer pump remained in operation when the impoundment was not frozen, to pump fluid from the southeast corner into the lined ponds. It is suspended from a float in the pool in the southeast corner of the impoundment.

Operation of the evaporative drip system, which allows tailings fluid to drip down exposed portions of the liner on the western embankment of the impoundment, was suspended in 2000. Two sections of liner used as surfaces on which tailings fluid was allowed to drip were damaged by high winds by April 10, 2000, requiring the operation of the drip system to be terminated.

Extensive regrading of the tailings was performed during 2008. Regraded areas were bermed and lined to create shallow ponds on the tailings surface to enhance evaporation and prevent blowing tailings. Lagoons 2-W and 4-W were lined in the summer of 2009. Included with this report are the following four (4) maps showing the changes to the impoundment over time:

- *Existing Impoundment Configuration – January 2006*
  This map shows the distribution of the tailings and evaporation ponds prior to commencement of the Catchment Basin excavation.
- *Existing Contours – October 2007*
  This map shows the distribution of the tailings and evaporation ponds after addition of the 233,268 cubic yards of material removed from the Catchment Basin excavation in 2006 and 2007.
- *Existing Contours – December 29, 2008*
  This map shows the distribution of the tailings and evaporation ponds after the 2008 tailings regrading and lagoon construction effort.
- *Tailings Area Survey – July 2009*
  This map shows the impoundment and lagoons as of July 2009
- *Impoundment – December 2009*
  This map shows the water covered areas as of December 2009. This map shows the configuration of the impoundment as it is at present.
    - The various plume and piezometric contour maps show the water covered areas of the impoundment as of July 30, 2015 shaded in blue.
- In addition, Google Earth images of the impoundment for July 21, 1994, July 10, 2006, July 4, 2009, and June 8, 2014 are provided.

In the case of Lagoon 8-W and Lagoon 7-W, these are composed of wet materials with intermittent standing fluid. These non-water covered areas will either be flooded or sprayed with tailings fluid as required during the non-freezing months so that they will be kept wet to minimize blowing tailings.

Tailings Impoundment Fluid Level

The fluid level on November 9, 2015 was 6610.19 feet above MSL. This elevation is taken in the deepest pool in the impoundment's southeast corner. The fluid level at this location was essentially within one (1) foot of the level of 6609.11 feet above MSL on November 14, 2014. The control point used to measure these elevations was surveyed by Worthington, Lenhart and Carpenter on July 30, 2015 for quality assurance/control purposes.

Current water covered area (pool area plus lagoons) is estimated to be approximately 1,029,128 square feet (2015 Method 115 Report). The water covered area has increased from the 2014 area (998,979 square feet). This area is based on a ground survey of the impoundment conducted by Worthington, Lenhart and Carpenter on July 30, 2015. The increase was due in part the fact that the pool in the impoundment's southeast corner had increased in area.

At no time did fluids rise to within five (5) feet of the top of the repaired liner.

Substantial repairs were made to the tailings impoundment liner in 2007 and 2008 along the interiors of the northern and eastern embankments. The tailings were regraded in 2008 and thirteen (13) lined evaporation ponds were constructed on top of the regraded tailings. Two (2) additional ponds were lined in the summer of 2009.

The impoundment and associated work was described in the Telesto Solutions, Inc. July 22, 2015 report entitled "2015 Inspection of Tailings Impoundment Liner", as follows:

> *Ongoing maintenance of the impoundment serves to allow Kennecott Uranium Company to meet its operational objectives. Specific maintenance completed or ongoing during 2014-2015 includes 1) repair of the liner to keep it functional within five feet of the tailings; 2) ongoing maintenance of the water management system including activities such as pump repair and/or replacement; 3) placement of sandbag weights along the south embankment to limit liner buffeting under windy conditions; and 4) maintenance and repair of the outer surfaces of the embankments against erosion effects.*
>
> *Kennecott Uranium Company continues to effectively manage the tailings impoundment through as-needed maintenance of the liner within five vertical feet of the tailings or tailings fluid and keeping the tailings covered with filled evaporation lagoons. Potential for fluid to escape through the remaining Hypalon® liner is limited, potential for windblown tailings is decreased, potential for radon emissions is decreased, the surface of the tailings has been lowered to a level everywhere below the surrounding native ground surface, tailings consolidation throughout the impoundment is promoted, and evaporation over a large surface area within the impoundment is enhanced.*

The inspection of the diversion channel documented in the June 24, 2015 report entitled *2015 Inspection of Diversion Channel* concluded that:

> *Little evidence of change in the channel's overall form has been observed from the June 2013 inspection to the May 2015 inspection, either in terms of vertical adjustment of the channel bed or in terms of lateral movement of the channel's banks. The diversion channel's capacity has not decreased measurably since its construction, and the channel is expected to continue to operate as designed.*

The July 22, 2015 report entitled 2015 Inspection of Tailings Impoundment Embankments states;

> *In summary, embankment conditions were noted to be of a generally acceptable nature; no conditions of concern were noted in the May 2015 observations. No settlement of the crest was observed. No erosional rilling was observed that would extend to the crest. The extent of rilling should continue to be monitored and repaired at any point at which a rill may extend to the crest. Water levels continue to be maintained at a level below the surrounding ground surface.*

The report also noted that, *"Consequently, there is almost no potential for tailings fluid to escape through the embankments, even in the event of a hypothetical, catastrophic failure of an embankment."*

Copies of Telesto Solution's 2015 inspection reports of the impoundment (2015 Inspection of Tailings Diversion Channel, Embankments and Impoundment Liner) are included in Appendices 2, 3 and 4.

The substantial regrading of the tailings and material excavated from the Catchment Basin area that was performed in 2007 and 2008 has resulted in a more organized and manageable impoundment.

Battle Spring Aquifer Water Levels

Recovery of the cone of depression caused by dewatering operations around the Sweetwater Pit was complete by 1998. The current water level in the pit stands at 6538.50 feet above MSL on October 13, 2015, a rise of 0.37 feet from a level of 6538.13 feet above MSL on October 6, 2014. Please see attached chart entitled *Sweetwater Pit Water Levels.* Kennecott Uranium Company believes that water levels in the pit have reached "steady state" essentially since 1998.

In September 2015 the water levels in the existing dewatering (DW), piezometer and research and development (RDW) wells around the pit lake were measured and the water level elevations were compared to that of the potentiometric surface elevation of the pit lake. The data is shown in the table below:

Wells Measured in Fall 2015 to Verify Pit Lake Evaporative Sink							
Well Number	**Piezometer**	**Northing**	**Easting**	**Ground Elevation**	**Casing Height (Feet)**	**Collar Elevation**	**Water Elevation 9/15**
DW 1		151,185	321,415	6656.40	0.60	6657.00	6541.85
DW 2		151,487	321,588	6660.12	1.51	6661.63	6542.29
DW 3		151,912	321,667	6660.53	1.37	6661.90	6542.74
DW 4		152,397	321,689	6666.69	1.45	6668.14	6543.10
DW 5		152,738	321,616	6671.68	0.77	6672.45	6543.00
DW 7		153,074	320,905	6669.93	0.45	6670.38	6542.54
DW 8		153,138	320,549	6668.37	0.75	6669.12	6543.22
DW 9		153,080	320,210	6667.87	0.39	6668.26	6543.79
DW 17		150,793	321,136	6651.43	0.76	6652.19	6541.77
DW 20		152,282	319,570	6655.34	0.36	6655.70	6541.99
DW 21		152,448	319,072	6654.50	0.45	6654.95	6541.83
DW 22		152,091	318,769	6647.24	1.19	6648.43	6542.92
DW 24		151,250	318,559	6648.18	0.87	6649.05	6540.84
DW 25		150,890	318,496	6643.85	0.69	6644.54	6541.30
DW 31		150,299	318,524	6641.49	1.10	6642.59	6541.96
DW 32		150,015	318,981	6640.16	1.18	6641.34	6542.34
DW 33		149,831	319,444	6634.53	1.35	6635.88	6541.25
DW 34		149,629	319,944	6635.29	1.83	6637.12	6542.73
DW 39		150,464	320,524	6645.63	1.12	6646.75	6542.06
DW 40		150,064	320,355	6640.83	1.39	6642.22	6542.54
PH 3	P-1	152,195	321,985	6664.18	1.09	6665.27	6542.71
PH 5	P-1	153,184	320,821	6669.82	0.79	6670.61	6542.63
PH 6	P-1	153,379	320,852	6673.41	0.94	6674.35	6543.83
PH 8	P-1	151,465	318,609	6644.34	0.84	6645.18	6541.15
RDW 1		151,601	322,138	6699.16	1.04	6700.20	6544.69
RDW 8		152,433	319,248	6662.49	1.70	6664.66	6541.83
UNK-2		152,191	318,769	6648.62		6651.67	6541.03
UNK-3		151,250	318,459	6648.36	6.14	6654.50	6542.03

The pit lake continues to be an evaporative sink.

Beginning in January 2009 a section of slotted pipe was installed in a hole in the sand along the shore of the pit lake. Please see the following image:

The top of the pipe section was surveyed by Robert Jack Smith and Associates on Monday, January 5, 2009. The elevation of the top of the pipe section is 6542.68 feet above mean sea level. Pit lake elevations are now taken by measuring down from the pipe section top to the top of the water inside of it. This is a superior system to the use of a rebar since it is not susceptible to ice damage and there is no uncertainty due to wave action.
The top of the pipe section is surveyed annually for quality assurance/quality control purposes. A table of the survey pipe elevations is included below:

Date	**Casing Elevation** (feet above mean sea level)
January 5, 2009	6542.68
December 15, 2009	6542.99
August 9, 2010	6542.72
August 8, 2011	6542.80
January 16, 2012	6542.99
July 23, 2012	6543.02
July 26, 2013	6543.08
July 28, 2014	6543.08
July 30, 2015	6543.36

The reclaimed pit remains as a lake and evaporative sink. Water loss via evaporation from the pit lake surface creates a slight permanent cone of depression around the pit, meaning that the potentiometric surface of the aquifer in that area will never return to pre-mining levels.

Groundwater Direction and Velocity / Effectiveness of the Pumpback System

The regional ground water flow is to the southwest (the center of the Great Divide Basin). Localized flows in the Battle Spring Aquifer immediately surrounding the Sweetwater Pit are toward the pit since it is an evaporative sink as described in the section above.

Localized groundwater flows in the vicinity of the pumpback wells are toward TMWs 7, 17, 18, 57, 58, 59, 75, 96 and 97 since they showed decreased water levels as they are being actively pumped. The greatest decreases in water level are in the areas of TMW-18 and TMW-59. This is logical since TMW-18 yields a pumpback rate of 10.81 gpm and TMW-59 yields a pumpback rate of 8.47 gpm. These wells are pumping at the highest rates. The spreadsheet *Groundwater Elevations 11/96 to Present* is included in Appendix 1.

The groundwater in the immediate vicinity of the tailings impoundment and Catchment Basin is flowing toward TMWs 7, 17, 18, 57, 58, 59, 75, 96 and 97, as these wells have overcome regional groundwater flows toward the southwest due to pumping in 2012. The piezometric contour maps show the potentiometric surface of the Battle Spring Aquifer around the tailings impoundment and Catchment Basin in spring and fall 2014. The cone of depression created by the pumpback wells encompasses the existing plume. The groundwater contour maps for spring and fall 2015 clearly show a cone of depression by the western edge of the tailings impoundment and around the Solvent Extraction (SX) Building by the Catchment Basin pumpback wells TMW 96 and TMW 97.

The Telesto Solutions, Inc. report entitled **"Final Ground Plume Interpretation"** dated February 2009, states:

The ground water level contour map (Figure 6) clearly shows that well pumping at the site has created an

effective containment system, which removes chemical mass and eliminates offsite migration. These beneficial effects are being accomplished at a modest total pumping rate of about 50 gpm.

Clearly, ground water within the impacted area is flowing in toward the pumpback wells. The report continues by stating:

The water level contours and flow directions on Figure 6 clearly show that the ground water pumping wells are providing complete containment of any water that could be impacted by the Tailings Impoundment, or facilities in the Catchment Basin area. Flow within the Battle Spring Aquifer conver4ges towards the pumping centers and there is no potential for off-site excursion of potentially impacted ground water or wells that show elevated concentrations of U-Nat or Ra 226-228.

This report was updated in 2014 as part of the license renewal process and concluded:

The natural ground water direction has been reversed in the mill site area, and ground water impacted by site activities appears to be captured by the pumping system. Therefore, the system is working as designed, is extracting impacted ground water, and is containing contaminated ground water.

The above conclusions were updated again as part of the response to a July 13, 2015 Request for Additional Information (RAI). The response states:

Based on the high certainty in the analysis, we can conclude that:

- *The current extent of the combined radium-226/228 plume from the Catchment Basin and Tailings Impoundment releases are contained within the Mill-area capture zone and due to the chemical nature of radium, has not traveled as far as the sulfate plume*
- *The current extent of the natural uranium plume from the Catchment Basin and Tailings Impoundment releases are contained within the Mill area capture zone. Due to the chemical nature of uranium in oxidized conditions, uranium released from the Catchment Basin may have traveled in a similar manner to the sulfate plume. Uranium released from the Tailings Impoundment has been contained by CAP pumping*
- *Ongoing exceedances of the manganese and iron GPS are in wells that are within the Mill-area capture zone and are thus contained. As described in Telesto (2009), the exceedances of constituent concentrations above groundwater protection standards are expected to continue, but the plume will remain wholly contained within the Mill-area capture zone via pumping under the CAP*

Ground water in the vicinity of the mill and tailings impoundment flows toward the pumpback wells.

Progress toward Attaining Groundwater Protection Standards

The pumping of aquifer wells TMW-7, 17, 18, 58, 59 and 75 at the toe, north and west of the tails cell, will continue to intercept any contaminated water coming through. The capture of contaminated water at the toe of the tails cell will prevent any constituents that may be present from migrating away from the cell and thus, in time, attain groundwater protection standards (GPS). A pump was installed in TMW-57 in May 2001. A new well, TMW-7, was completed on August 18, 2003. A pump was installed and started in it on December 1, 2003.

The major portion of the excursion lies beneath the tailings impoundment, as seen on the respective contour maps. This makes sense given the fact that the fluids leaked from the impoundment's northeast corner and flowed to the west under the impoundment to the sink created by the then mostly dewatered Sweetwater Pit. The impacted fluids beneath the tailings impoundment can only be collected from wells at or near the edge of the impoundment since wells cannot be drilled through the bottom of the lined impoundment. This limitation greatly hinders removal of impacted fluids from the aquifer. The most impacted fluids lie beneath the impoundment as shown on the TDS Contour Maps. The pumpback well with the highest TDS (2160 ppm – July 8, 2015), for example, is TMW-59, which lies immediately against the western embankment. Being forced to recover impacted fluids from the edge of the plume and being unable to recover fluids from the area of highest concentration, the plume's core, prolongs any attempt to attain groundwater protection standards (GPS).

The following italicized text (February 7, 2004) are from a consultant's report prepared by Kent Bruxvoort Consulting dated February 7, 2004.

"*The CAP has been successful in containing and reducing quantities and concentrations of hazardous*

constituents beneath the impoundment. As of the fourth quarter of 2002, about 248.4 million gallons of groundwater had been pumped back into the impoundment. A cumulative net amount of 1,323,500 kg of contaminants has been pumped back, representing 58 percent of the estimated total amount released. In calculating this net amount, background quantities of constituents, as defined by concentrations in the background monitoring well, TMW-5, were subtracted from the total mass of constituents pumped. The following plot compares the cumulative net mass of contaminants removed to the cumulative amount of released contaminants remaining in the aquifer. The average pumpback volume from 1993 through 2002 was 93,000 kg/year." (February 7, 2004)

The above citation is from the February 7, 2004 report and reflects 2004 information. The mass of salts recovered for 2015also includes salts recovered from the plume around the Catchment Basin. The volume of fluids leaked from the Catchment Basin and the mass of salts associated with that fluid is unknown. As such, no adjustment was made to the mass of constituents remaining to reflect constituents leaked from the Catchment Basin.

The pumpback program was also reviewed by Telesto Solutions, Inc. in their report, **"Final Groundwater Plume Interpretation"** dated February 2009. In it they stated:

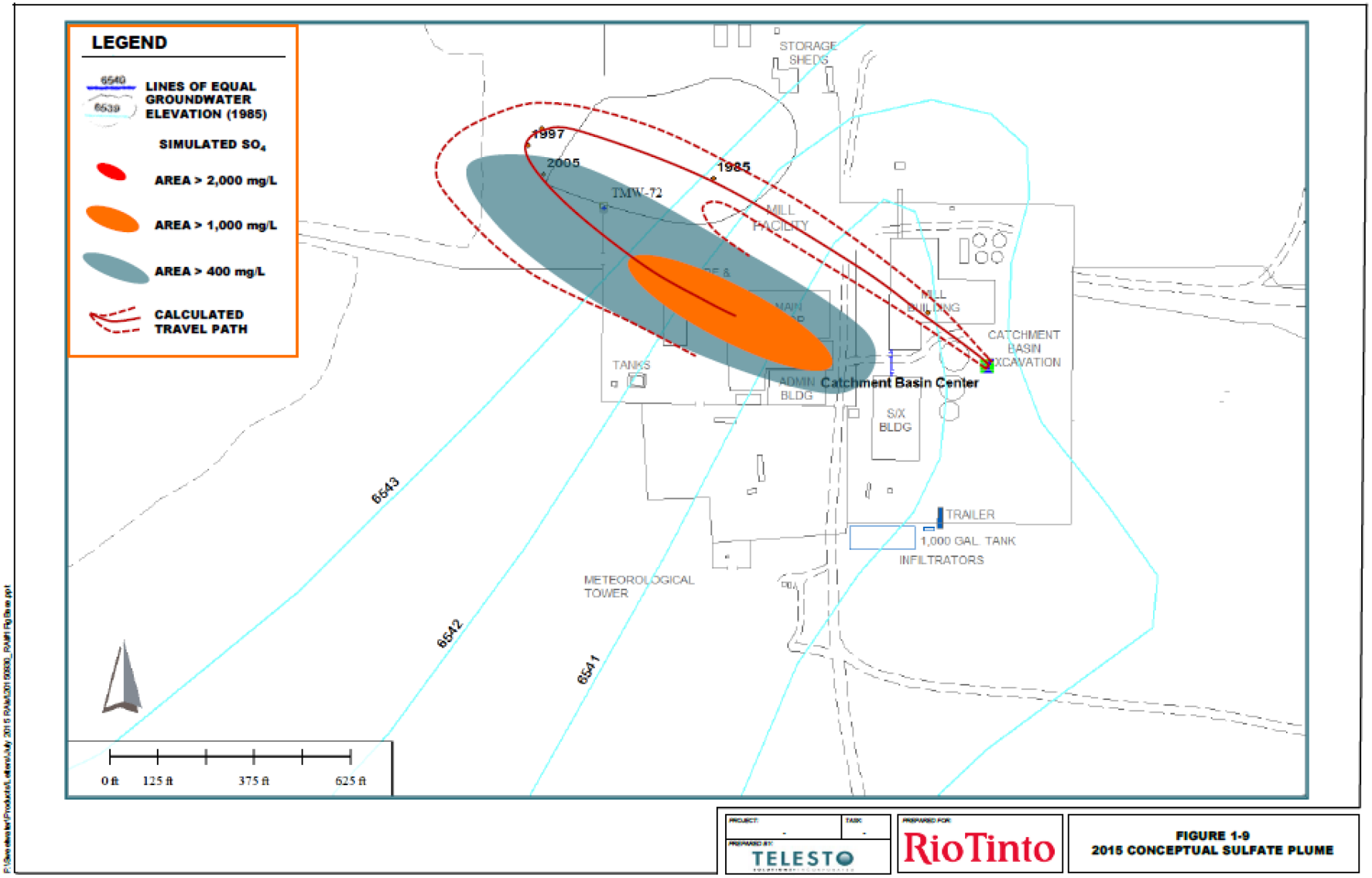
The ground water level contour map (Figure 6) clearly shows that well pumping at the site has created an effective containment system which removes chemical mass and eliminates offsite migration. The beneficial effects are being accomplished at a modest total pumping rate of about 50 gpm.

The February 2009 report "Final Groundwater Plume Interpretation" was reviewed and updated via a technical memorandum in 2014. It concluded:

The main and important finding is that the pumping system appears to be capturing the contaminant plume. Higher concentrations east of the tailings impoundment do not seem to indicate a spreading plume, but rather a plume in which analytes are concentrating. Potentiometric mapping indicates that ground water in monitoring wells at the far eastern extent of the well network (east of the tailings impoundment) is moving in the direction of the pumping wells, and is this being captured.

:

The system is making progress toward remediating the contamination. The figure below from the response to a July 13, 2015 Request for Additional Information (RAI) shows how as of 2015 the pumpback system has begun to reverse the Western migration of the sulphate plume:



The response predicts that at current pumping rates the plume should be further reversed and withdrawn by 2024 (within nine (9) years as depicted below:

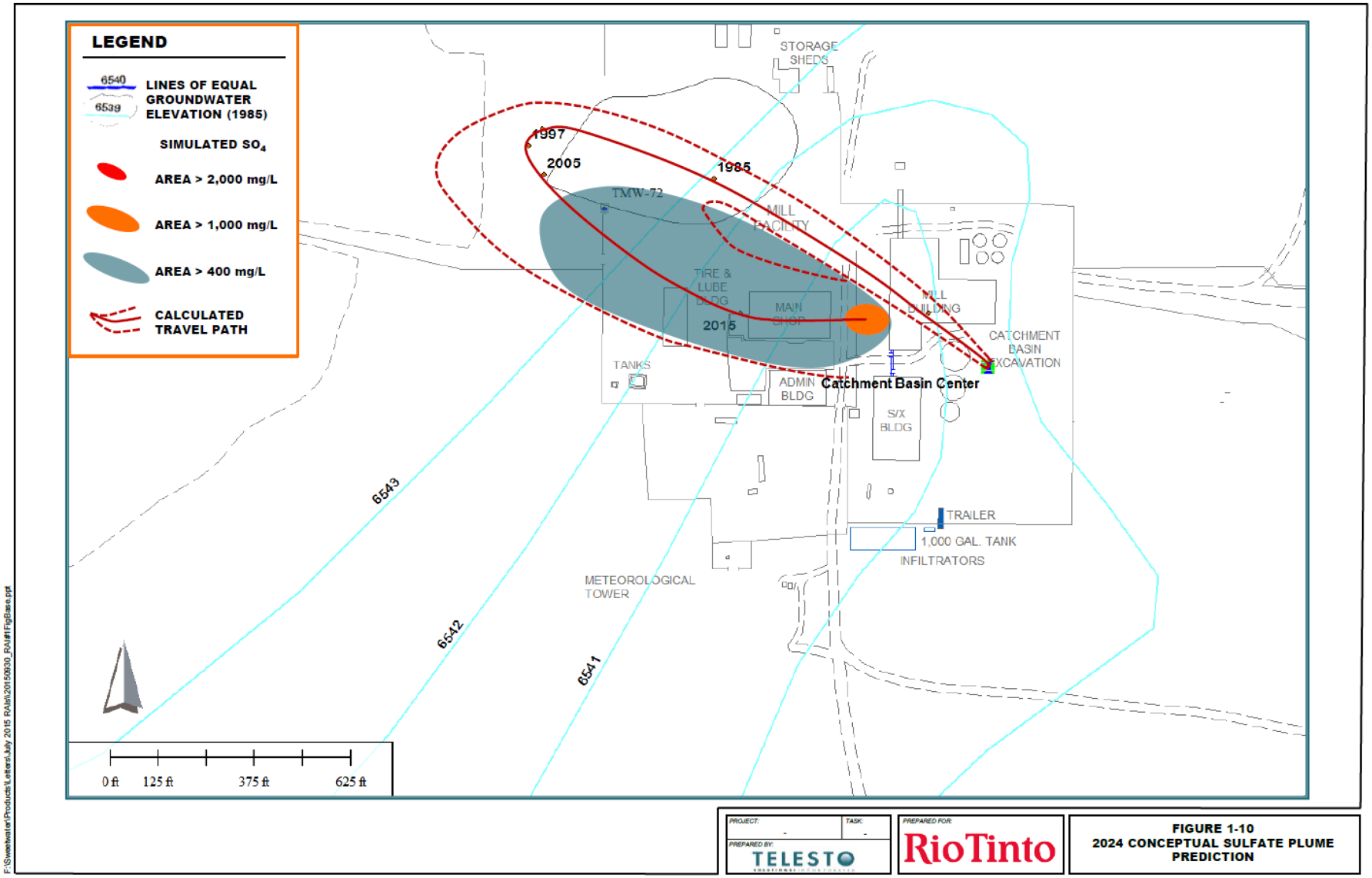


FIGURE 1-10
2024 CONCEPTUAL SULFATE PLUME PREDICTION

Areal Extent and Concentration of Hazardous Constituents

The areal extent of the excursion at this time is shown by the Uranium, Combined Radium and TDS Contour Maps. All hazardous constituents (except for Uranium, Combined Ra226/228 and Gross Alpha) have stabilized below groundwater protection standards in the majority of aquifer wells. TDS values of over 500 ppm, Natural Uranium values of over 36.0 pCi/L and Radium 226/228 values 5.8 pCi/L show a plume north, northeast and west of the tails cell and around the Catchment Basin. The surface area underlain by the plume varies depending upon the constituent in question. The Combined Radium 226/228 plume covers 160.7 acres, as drawn. The 500 ppm TDS contour shown defines an area of 173.9 acres. The 36 pCi/L Uranium plume covers an area of 54.2 acres. These areas are from the 2015 maps.

These areas are based on the included plume maps which show the plumes as being open ended to the west. This is because it is still unclear as to whether natural uranium, radium-226 and total dissolved solids encountered in the Battle Spring Aquifer in TMW-10, 72 and 73 are natural or process related. This question can be further addressed by the completion of the six (6) additional monitor wells to the west, that was discussed in Kennecott Uranium Company's response to the July 13, 2015 Requests for Additional Information (RAI's).

Vertical Extent of Contamination

TMW-8, 24 and 47 (see page 5) were each completed in deeper sand than the other monitor wells. The sample results from these wells clearly show that groundwater contamination from the cell has not migrated into deeper sands. These results show that the contamination is confined to the upper fifty (50) feet of the saturated portion of the Battle Spring Formation.

This was substantiated by Shepherd Miller, Inc. when they completed the groundwater background study. In the study they concluded, *"Water quality sampling of three wells completed within the lower saturated sand, TMW's 8, 24 and 47, shows it to be unaffected by seepage from the cell, indicating that flow from the upper to lower saturated sands is retarded by the clay stone layer."*

This issue was also investigated by Telesto Solutions, Inc. and discussed in their February 2009 report, **"Final Ground Water Plume Interpretation".** In the report they stated:

> *Monitoring wells TMW-8 and 24 were completed in a deeper sand of the Battle Spring Aquifer to determine if there is downward migration of affected ground water into the lower portion of the aquifer (Kenneco9tt Uranium Company, 1994). Chemical concentration plots of the deep wells and adjacent shallow-completion wells (TMW-58 and -82) confirm the conclusion of no significant downward migration of affected ground water over the period of sampling (1991 to present). The deep wells do not exhibit the concentration spikes for U-Nat, Ra226-228, sulfate and TDS that are observed in the shallow wells (Attachment A).*
>
> *Chemical concentration plots for shallow well TMW-48 and adjacent deep well TMW-47 indicate that impacted ground water is not currently present south of the Tailings Impoundment.*

(Please note that only the *text* from the Telesto Solutions, Inc. report has been included in this discussion. Any attachments or figures mentioned in the quoted text have not been included.)

Estimate of Time Needed to Obtain Compliance

In a letter to the NRC dated July 29, 1999, Kennecott Uranium Company stated: "In the eleven years of CAP operation (1988 through 1998), 47 percent of the estimated mass of released contaminants have been removed via pumping." Based upon this estimate of the mass of released contaminants removed by pumpback operations, an estimate of ten (10) years to terminate the Corrective Action Program (CAP) was made. This estimate was revised and updated by Kent Bruxvoort Consulting on February 7, 2004. This update concludes that 58% of the estimated total amount of the contaminants had been returned to the tailings impoundment by the end of 2002. This February 7, 2004 update has been subsequently revised and now shows that 83.8% of the estimated total amount of the contaminants had been removed by the end of 2009.

However, the scope of the CAP has changed with the license amendment request granted on May 26, 2005 to include the contaminated plume in the aquifer around the Catchment Basin. The volume of fluid released through the unlined bottom of the Catchment Basin is unknown, so the mass of salts added to the aquifer from the Catchment Basin cannot be accurately estimated.
This estimate of ten (10) years for the tailings impoundment plume is based solely on removal of contaminants that leaked

from the tailings impoundment and does not include contaminants that escaped from the bottom of the Catchment Basin. Any estimate is also subject to change depending upon future plans. For example, should operations at the mill resume, use of pumpback fluids as a source of mill feed water has been considered as a means to hasten removal of the impacted fluids. In addition, contaminants entering the Battle Spring Aquifer from the Catchment Basin are not included in this estimate, since their volume is unknown.

Telesto Solutions, Inc. discussed the plume in their February 2009 report entitled **"Final Groundwater Plume Interpretation"**. In discussing remediation times for the entire plume involving both contaminants from the tailings impoundment and the Catchment Basin, they stated:

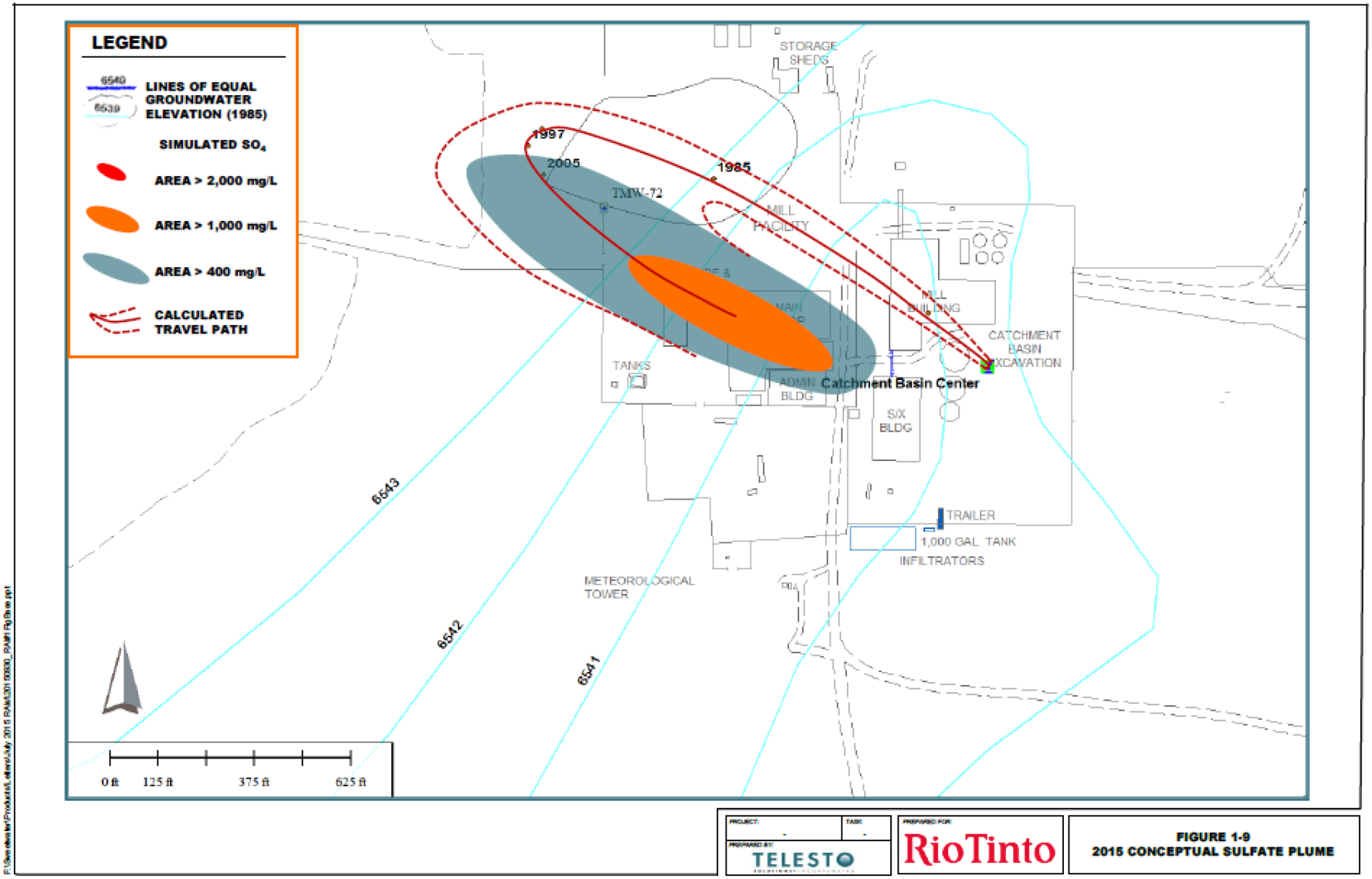
> *The migration distance between TMW-89 and pumping well TMW-75 is about 310 feet, so the computed ground water travel time between these wells is on the order of 3.3 years. Industrial experience in ground water remediation has shown that in the absence of operating chemical sources, the time required for ground water cleanup is typically 5 or more times the ground water travel time to pumping wells. So it would be reasonable to assume that the current ground water pump and treat system will need to be operated for a minimum of 17 years. This differs from original estimates included in previous CAP Reviews that were based on contamination being derived solely from the tailings impoundment leak. This new time estimate includes remediation of fluids leaked from the Catchment Basin as well. The volume of fluid leaked from the Catchment Basin is unknown. This computed time frame is valid only if chemical sources are no longer operating.*
>
> *Simple calculations suggest that in areas where chemicals in ground water are purely residual (that is, not affected by a current chemical source such as naturally occurring minerals), the additional time for remediation is likely to be on the order of 10 to 20 years. In these areas, one would expect to see systematic decreases in chemical concentration, which should eventually fall below regulatory levels.*
>
> *As discussed in previous sections, a common situation observed at the site is chemical concentrations that are above ground water protection standards or corrective action levels, and which are either increasing or do not show a consistent downward trend. This suggests that mechanisms exist which are continuing to introduce chemical mass into the ground water aquifer. Where this occurs, the additional time for remediation is likely to be significantly longer than 20 years.*
>
> *Two mechanisms can be envisioned for introducing chemical mass into the active ground water flow system. One possibility is that chemically affected water exists in low permeability strata that contain essentially stagnant ground water. Chemical transport out of the low permeability strata may occur by diffusion that slowly bleeds chemical mass from the stagnant zones and into the more permeable zones with active ground water flow induced by pumping. Although this "back-diffusion" process was first recognized decades ago, it has recently become an active topic in the technical literature and is the subject of current research. An important characteristic of this transport mechanism is that it is a very slow process that cannot be sped up by increasing the flow rate of ground water pumping systems. This is because pumping increases flow in the permeable zones, but does not have a significant effect on the low permeability zones with stagnant ground water.*
>
> *Another mechanism that may delay the introduction of chemical mass into ground water is the perched water body that historically existed north, east and west of the tailings impoundment. Having been fed by tailings leakage, the perched water contained high concentrations of regulated chemicals. After the tailings leak was mitigated, the perched water body would have drained slowly downward towards the water table. Even though saturated conditions in the historical perched water zone are largely gone, slow unsaturated flow to water table is probably ongoing and this can introduce chemicals to ground water at the water table. In addition, typical heterogeneity in the geologic system likely leads to non-uniform vertical drainage that causes more chemicals to enter the ground water at some locations compared to others. The result is chemical hotspots that do not correspond to expected lateral transport originating at or below the tailings. This mechanism likely operated in the vicinity of the Tailings Impoundment, within the area outlined by the historical maximum extent of the perched water body (see Figure 1).*

This report was updated by a technical memorandum in 2014 which discussed this issue stating:

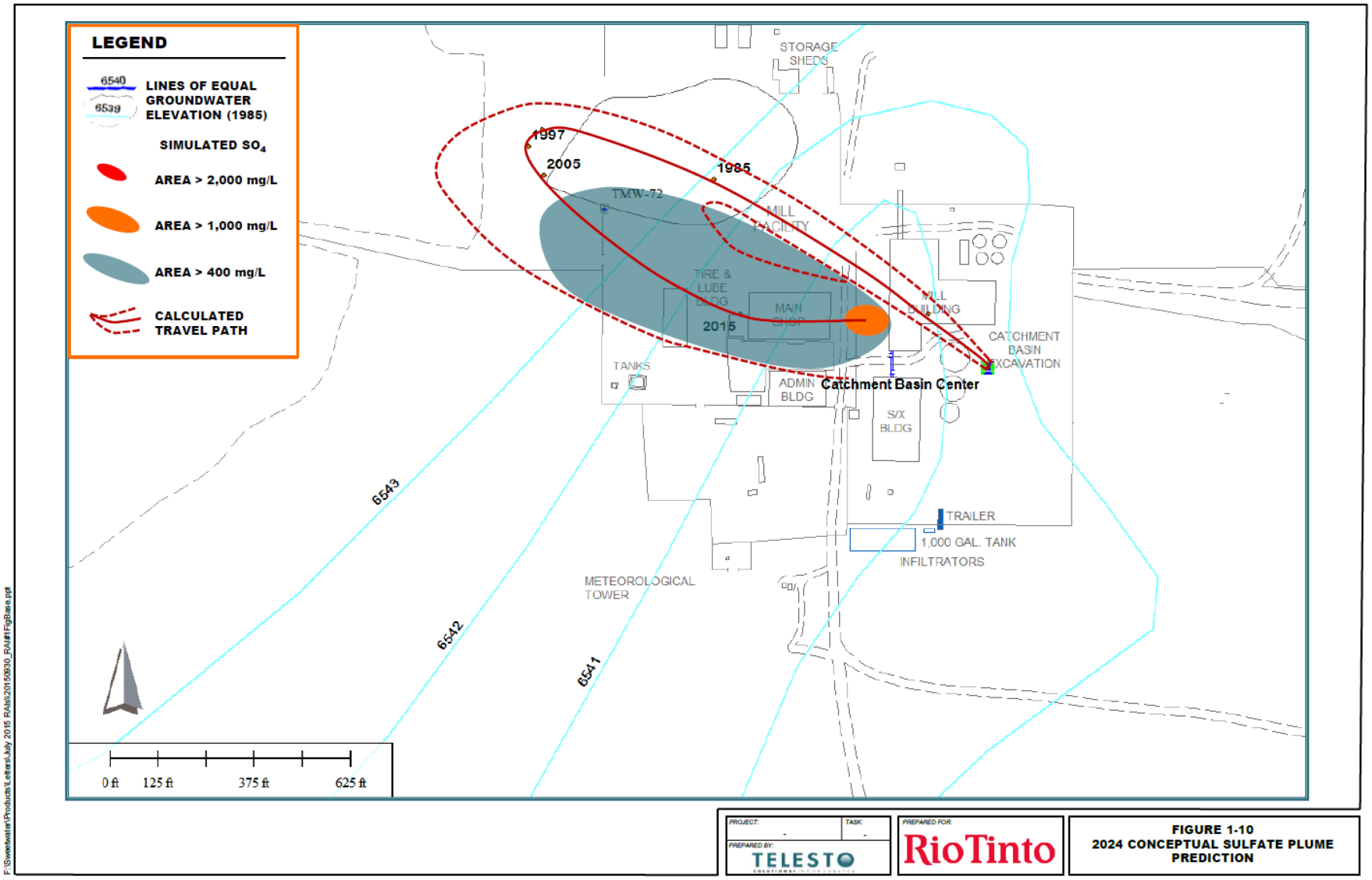
The extent of the source of uranium in ground water is not known at this time, as discussed in prior NRC-submitted documents (Corrective Action Program Reviews – Kennecott Uranium Company 2005 to 2013, inclusive). Because the amount of uranium that was deposited in the Catchment Basin is not known, the time to remediate ground water cannot be determined with any accuracy. The previous estimate of 10-20 years is a reasonable assumption. An estimate longer than 20 years would not affect surety costs, because of present worth costing. And at this time, continued operation of the pumping system is the best way to evaluate remediation progress.

(Please note that only the text from the Telesto Solutions, Inc. report has been included in this discussion. Any attachments of figures mentioned in the quoted text have not been included.)

In the responses to the July 13, 2015 Request for Additional Information (RAI) Telesto Solutions, Inc. shows how as of 2015 the pumpback system has begun to reverse the Western migration of the sulphate plume in the figure below:



The response predicts that at current pumping rates the plume should be further reversed and withdrawn by 2024 (within nine (9) years as depicted below:



Aquifer Water Quality

Water quality (as judged by a decreasing trend in TDS values) in aquifer monitor wells TMWs 16, 18, 36, 44, 49, 50, 58, 59, 71, 78, 94, 98, 101, 102, 106, 111 and 113 is improving. An increasing trend in TDS values is observed in TMWs 37, 45, 63, 92, 93, 108 and 115. TMW-4 has shown anomalous total dissolved solids (TDS) concentrations, manganese, iron and nickel values, as well as a depressed pH. Total Dissolved Solids in TMW-4 have declined from 692 mg/L (1/4/05) to 494 mg/L (7/14/15). In the same time period nickel has declined from 0.16 mg/L to 0.07 mg/L, manganese has declined from 0.61 mg/L to 0.37 mg/L and iron declined from 28.1 mg/L to 8.9 mg/L. During the same time period, pH has increased from 6.34 to 6.98. The elevated TDS in this well is clearly due to factors other than the tailings impoundment plume, since wells with lower TDS values and no anomalous nickel values (TMW-2 and 53) lie between TMW-4 and the plume. The anomalous total dissolved solids values observed in TMW-6 in 2005 have declined from 608 mg/L (1/10/05) to 509 mg/L (7/20/15). TMW-48 (with lower TDS concentrations) lies between TMW-6 and the plume. The elevated total dissolved solids concentrations in these two wells and anomalous iron, manganese and nickel values in TMW-4 may be due to mobilization of materials used to complete the wells. Kennecott Uranium Company will continue to provide a specific discussion regarding these wells until it is clear that the situation is fully understood or resolved.

TMW-4 still exhibits nickel values that exceed the Groundwater Protection Standard (GPS) as seen in the July 14, 2015 sample, which has a nickel concentration of 0.07 mg/L. The concentration has been dropping since 2005. TMWs 99, 108, 109 and 112 exhibited nickel values that exceed the GPS in 2015. These wells are in the vicinity of the Catchment Basin. TMWs 4, 7, 16, 18, 36, 59, 63, 99, 108, 109 and 112 exhibited manganese concentrations that exceeded the GPS in 2015. TMWs 4, 7, 18, 35, 36, 59, 63, 99, 109 and 112 exhibited iron concentrations that exceeded the GPS in 2015. The groundwater plume is primarily a Total Dissolved Solids, Natural Uranium and Combined Radium-226/228 plume, with some localized exceedances of other metals, primarily nickel, iron and manganese.

Kennecott Uranium Company believes that an increase in TDS and sulphate (a major component of TDS) followed by a decrease in pH is the first sign of seepage in a monitor well. An increase in TDS appears first because the native soils are alkaline and neutralize the low pH tails cell water. Most metals will not migrate through these soils until the buffering capacity of the soil has been exhausted. This is clearly shown in the Uranium Contour Map, which shows the limited areal extent of the Uranium plume when compared to the areal extent of groundwater with TDS in excess of 500 ppm shown in the TDS Contour Map.

In the responses to the July 13, 2015 Request for Additional Information (RAI) Telesto Solutions, Inc. discusses the plume chemistry stating:

> *In addition, in the geochemical environment of the Battle Spring Aquifer, sulfate travels as a conservative element (i.e., it travels unimpeded with the groundwater flow). Uranium and manganese in an oxidized environment (e.g., top of the water table) can also be considered to travel as conservative elements, but the persistent and spotty natural presence of these constituents tends to make each an uncertain indicator parameter. Radium and iron tend to be more restricted in their transport due to geochemical and adsorption processes. Therefore the term sulfate plume is used herein to describe the likely extents of mill-derived constituents released from the Catchment Basin.*

Sulphate is a major component of Total Dissolved Solids (TDS) related to the plume hence Total Dissolved Solids (TDS) remains a good indicator of the plume's location.

The Battle Spring Aquifer pumpback wells around the Catchment Basin exhibit anomalous TDS, radium, uranium, iron and manganese values, with two (2) wells (TMWs 99 and 112) currently exhibiting anomalous nickel values. Some of the wells in the vicinity of the Catchment Basin showed traces of organic contamination in 2015. They are as follows:

- TMW-91 – 1,1-Dichloroethane
- TMW-99 – 1,1-Dichloroethane
- TMW-103 – Methylene chloride, chloroform
- TMW-108 – 1,1-Dichloroethane
- TMW-109 – 1,1-Dichloroethane
- TMW-113 – 1,1-Dichloroethane

In 2012 some wells showed methylene chloride believed to be derived from a new sampling pump hose. A number of wells that are tested for hydrocarbons returned results for methylene chloride in 2012. At first these results were believed to some sort of laboratory error. It was discovered that:

- Wells that were not sampled with the sampling unit but rather via the downhole pump in them (pumpback wells) that included TMWs 96 and 97 showed no anomalous methylene chloride during 2012.
- Wells that were pumped with the sampling unit and did not previously show anomalous methylene chloride only began to show methylene chloride in samples collected on or after April 16, 2012.

The downhole hose on the sampling unit was replaced immediately prior to April 16, 2012 and samples collected using the sampling unit equipped with that new hose showed anomalous methylene chloride.

Based upon the facts that 1) wells not sampled with the sampling unit (TMWs 96 and 97) did not show anomalous methylene chloride, and; 2) that anomalous methylene chloride only appeared in samples from wells previously not exhibiting methylene chloride after installation of the new hose; leads to the conclusion that residual methylene chloride (a possible manufacturing residue) was leaching out of the hose. Some methylene chloride levels in samples appear to be decreasing over time as the hose is repeatedly flushed with each sample collected.

This problem has been addressed by the deployment on February 12, 2013 of a new sampling unit described earlier in the text. Since deployment of the new unit the anomalous methylene chloride results are confined to TMW-103, 106 and 109, which had prior histories of methylene chloride, TMW-113, which had methylene chloride in the January 28, 2013 sample, which was collected prior to the deployment of the new sampling unit and TMW-107, which may be exhibiting residual contamination from the old hose.

Telesto Solutions, Inc., in their report entitled **"Final Ground Water Plume Investigation"** dated February 2009 discussed the constituents in the four Point of Compliance (POC) wells, stating:

> *The four POC wells specified in the NRC permit (TMW-15, 16, 17 and 18) were plotted with time for each regulated constituent to identify possible trends of non-compliance levels. Note that two of these wells (TMW-17 and TMW-18) were used as pumpback wells during 2007 and 2008 and have been used as pumpback wells for some time in the past. The ground water protection standards that apply to these wells are listed in Table 2. Figures 7 through 10 are time plots of Ra226-228, U-Nat, iron (Fe), and manganese (Mn), respectively, the only analytes exceeding NRC permit standards in the POC wells. The plots indicate the following exceedances for the time period January 1, 2007 and March 1, 2008:*
>
> - *TMW-15: Ra 226-228 (just above standard)*
> - *TMW-16: Ra226-228, U-Nat*
> - *TMW-17: No exceedances*
> - *TMW-18: Ra 226-228, Fe, Mn*
>
> *The following trends are observed in the POC wells over the past several years:*
> - *TMW-15: Ra 226-228 fluctuating between 2 and 9 pCi/L with no apparent trend*
> - *TMW-16: Ra 226-228 fluctuating between 11 and 18 pCi/L with a general increasing trend; a sharp rise in U-Nat in 2003 (when pumping in the well was terminated), followed by a decreasing trend from about 390 pCi/L to about 220 pCi/L*
> - *TMW-17: Ra 226-228 fluctuating between 1 and 6 pCi/L with no apparent trend*
> - *TMW-18: Ra 226-228 fluctuating between 11 and 22 pCi/L (omitting one high value) with an apparent increasing trend; significantly increasing Fe from 4 to 8 mg/L; gradually increasing Mn from 1 to 1.5 mg/L.*
>
> *Note that TMW-16 was used as a pumping well until May 2003, but became inefficient due to continued plugging by bacteria. As a replacement, pumping began in TMW-7 in December 2003 and it has been pumped to the present.*

Appendix 1

Study and Tables in Support of Text

Kennecott Uranium Company
Sweetwater Uranium Project
Diesel Contaminated Soil Excavation
South Pit Wall Uranium Study

Depth Above Hole Bottom (feet)	Elevation (Feet above mean sea level)	Gamma Exposure (micro/R/hour)	Density (grams per cubic centimeter)	Moisture (Percent)	Chemical Uranium Concentration (milligrams per kilogram)	Chemical Uranium Concentration (Percent)	Chemical U3O8 Concentration (milligrams per kilogram)	Chemical U3O8 Concentration (Percent)	Radium-226 (picocuries per gram)	Gamma Equivalent Uranium Concentration (milligrams per kilogram)	Gamma Equivalent Uranium Concentration (Percent)	Notes
7.50	6556.2											Nail Set - Five (5) feet Above Water table
7.00		156										Dry
6.75			2.48	10.8	51.7	0.005	61.0	0.006	65	196	0.020	Dry
6.50		222										Dry
6.25			2.73	10.6	14	0.001	16.5	0.002	113	340	0.034	Dry
6.00		351										Dry
5.75			2.35	12.3	13.1	0.001	15.4	0.002	209	631	0.063	Dry
5.50		422										Dry
5.25			2.54	12.6	33.3	0.003	39.2	0.004	301	909	0.091	Dry
5.00		464										Dry
4.75			2.62	11.8	14.8	0.001	17.5	0.002	254	766	0.077	Dry
4.50		524										Dry
4.25			2.59	14.3	16.1	0.002	19.0	0.002	206	623	0.062	Dry
4.00		548										Dry
3.75			2.68	14.8	18.8	0.002	22.2	0.002	332	1000	0.100	Dry
3.50		634										Dry
3.25			2.44	16.3	26.3	0.003	31.0	0.003	224	676	0.068	Dry
3.00		593										Dry
2.75			2.69	18.5	39.7	0.004	46.9	0.005	379	1150	0.115	Dry
2.50	6552.4	691										Top of Water Table - Nail Set
2.25			2.66	17.1	33	0.003	38.9	0.004	265	799	0.080	Wet
2.00		751										Wet
1.75			2.76	18.8	18.3	0.002	21.6	0.002	306	923	0.092	Wet
1.50		655										Wet
1.25			2.29	20.3	23.7	0.002	28.0	0.003	309	933	0.093	Wet
1.00		448										Wet
0.75			2.43	21.6	26.6	0.003	31.3	0.003	44.1	133	0.013	Wet
0.50		351										Wet
0.25			2.53	26.7	22	0.002	25.9	0.003	58.7	177	0.018	Wet
0.00		340										Wet
Average:		477	2.56	16.2	25.1	0.003	29.6	0.003	219.0	661	0.066	
Median:		464	2.57	15.6	22.9	0.002	27.0	0.003	239.0	721	0.072	
Maximum:		751	2.76	26.7	51.7	0.005	61.0	0.006	379.0	1150	0.115	
Minimum:		156	2.29	10.6	13.1	0.001	15.4	0.002	44.1	133	0.013	
Standard Deviation:		173	0.14	4.7	11.1	0.001	13.1	0.001	109.4	331	0.033	

Sample Sequence Image

Coordinates:

	Northing	Easting	Elevation
Nail at 7.5 Feet	149142.0	323018.63	6556.2
Nail at Water Table	149144.1	323019.84	6552.41

Kennecott Uranium Company										
Sweetwater Uranium Project										
Diesel Contaminated Soil Excavation										
South Pit Wall Uranium Study										
Bulk Sample Identification	**Chemical Uranium Concentration**	**Chemical Uranium Concentration**	**Chemical Uranium Concentration**	**Chemical Uranium Concentration**	**Radium-226**	**Gamma Equivalent Uranium Concentration**	**Gamma Equivalent Uranium Concentration**	**Gamma Equivalent Uranium Concentration**	**Gamma Equivalent Uranium Concentration**	**Equilibrium ratio**
	as U	**as U**	**as U3O8**	**as U3O8**		**as U**	**as U**	**as U3O8**	**as U3O8**	
	(miligrams per kilogram)	**(Percent)**	**(miligrams per kilogram)**	**(Percent)**	**(picocuries per gram)**	**(miligrams per kilogram)**	**(Percent)**	**(miligrams per kilogram)**	**(Percent)**	**Chemical uranium divided by gamma equivalent uranium**
Above Water Table - Barrel #1	23.9	0.002	28.2	0.003	225	679	0.068	800	0.080	0.04
Above Water Table - Barrel #2	35.2	0.004	41.4	0.004	277	838	0.084	988	0.099	0.04
At Water Table	24.7	0.002	29.1	0.003	226	681	0.068	803	0.080	0.04
Below Water Table	20	0.002	23.6	0.002	77.4	234	0.023	276	0.028	0.09
bulk_sampling_bottom.xls										
Oap:9/30/2007										

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June 13, 2007

Mr. Steve Dobos
Energy Laboratories, Inc.
2393 Salt Creek Hwy.
Casper, WY 82602

RE: **Petrographic Evaluation of Sample #C07051289-001A from P.O. # 1845**

Dear Mr. Dobos,

Work requested in your purchase order of 5-29-07 for sample #C07051289-001A to perform carbon identification using reflected-light optical microscopy has been completed and the final report is attached.

If there are any questions or concerns, please call or e-mail me directly.

Thank you.

Sincerely,

Gareth Mitchell

Enclosure: Report

Final Report

To: Mr. Steve Dobos
From: Gareth D. Mitchell
Date: June 13, 2007
Subject: **Petrographic Evaluation of Sample #C07051289-001A from P.O. # 1845**

Request

A sample identified as **#C07051289-001A** was received 6-7-07 for petrographic evaluation. The sample had been shipped in a cooler containing bags of ice and was still cold when received. Consequently, the specimen was placed under refrigeration until sample preparation was initiated. As established from our email conversation of 5-24-07, optical microscopy was to be employed to determine the nature of the organic matter found in the sample and specifically to determine if "any naturally-occurring organic matter" (such as lignin, kerogen, bitumen, etc. that might have precipitated uranium at this location) was present.

Procedures

The sample was found to be composed of three fairly large angular particles (~10 g) and a coarse powder (~11 g). These components were separated and allowed to come to room temperature before they were inspected. The largest particle was soft, organic matter which had prominent bedding and considerable surface moisture, whereas the particulate matter ranged in particle size (0.5 – 3.0 mm), appeared to be a mixture of light and dark colored materials and was agglomerated with surface moisture. To prepare an optical mount suitable for reflected-light microscopy, the moisture content had to be reduced. The large particle was placed in a drying pan and a one-quarter split of the particulate sample retrieved by riffling was placed in second pan. Both samples were placed in a vacuum oven between 30-50°C for about 18 hrs with the result that the large particle had become swollen, desiccated and broken into smaller segments, while the particulate sample was composed of individual loose particles.

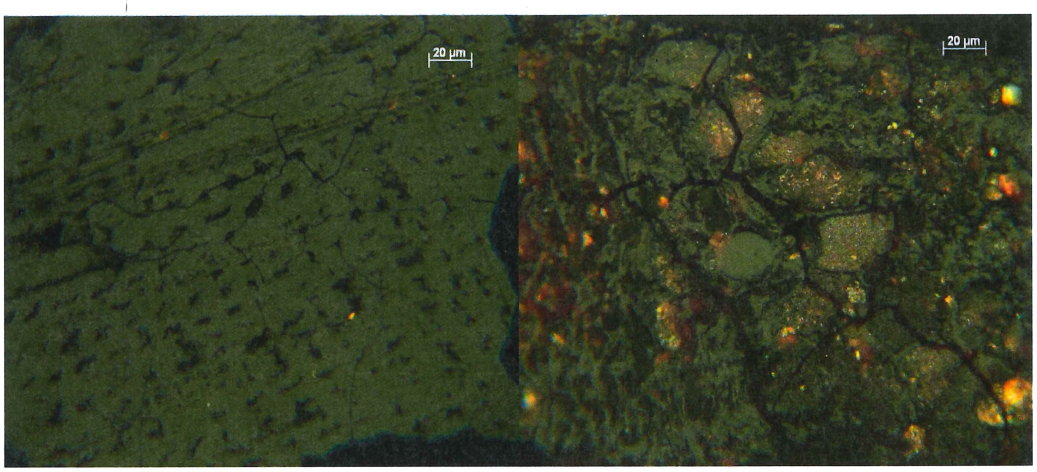
Remnants of the large particle were glued fast to the bottom of a 28 mm sample mold and embedded under vacuum with a cold-setting epoxy (EL01). The particulate sample (EL02) was vacuum impregnated in epoxy resin and placed in a centrifuge to establish a density/particle-size gradient. After hardening, the sample was cut longitudinally to expose the particle gradation and mounted 25 mm sample mold with additional epoxy. Both specimen surfaces were ground using 400 and 600 grit papers and polished using 0.3 and 0.05 micron alumina slurries on a high-nap cloth and silk, respectively. The sample was examined first in air using blue-light (436 nm) irradiation inspecting the 520 nm emission surface at 500X magnification and then using white light employing an oil immersion objective at 625X magnification using Zeiss research microscopes. In addition, a few reflectance readings were taken from the main organic

component identified in EL01. A Leitz MPV2 reflectance photometer system at 625 X magnification in oil immersion and polarized white-light was used to collect maximum reflectance values from 11 different areas and the mean value is provided below. Mean reflectance values are an acceptable procedure for determination of organic maturity.

Results

The organic matter observed in both specimens (EL01 and EL02) separated from sample #C07051289-001A is basically humified woody tissue of very low maturity (mean maximum reflectance in oil of 0.18 % ±0.01) that contains fluorescent and presumably resinous material within open cell lumens and along some open fractures. A few fluorescent bodies appearing to be amorphous organic matter were the only other organic matter observed in either sample.

As seen in the photomicrographs below, the regular alignment of cell wall and filled or open lumens taken from EL01 are compared with a fragment of humified and gelified woody tissue found in specimen EL02. The large particle separated as EL01 was composed entirely



EL01 **EL02**

of woody tissue that had gone through the biochemical stage of coalifiaction in which the cell walls were gelified and converted to humic matter. The tissue observed in the EL01 photograph exhibits little detail within the remnant cell walls and most of the lumens were filled with amorphous humic material or a fluorescing resin (dark areas), suggesting that the tissue has gone beyond the peat stage. However, the very low mean reflectance suggests that it may not have reached the rank of lignite in terms of coal maturity.

The photograph of the dominant organic matter in specimen EL02 shows many rounded bodies which in brown coal terminology are referred to as gelinite. As the name implies the

humic matter from which they were derived were once gelatinous and have since formed into these amorphous bodies surrounded by the remnants of cell walls. In addition to organic matter, specimen EL02 contained mostly angular fragments of minerals and rocks composed of quartz, other silicates and carbonate. Furthermore, some of the organic material had been infilled and was in the early stage of being replaced by silica.

These observations demonstrate that the organic matter contained in sample #C07051289-001A were derived from terrestrial plants with secondary woody tissues that have gone through at least the initial stage of coalification. Depending upon stratigraphy and sample location in the field, the type and condition of organic matter and mineralization observed suggests that it is naturally occurring.

KENNECOTT URANIUM COMPANY
Groundwater Elevations

Well No.	Northing	Easting	*Revised Measuring Point Elev.	*Jan-15*	*Feb-15*	*Mar-15*	*Apr-15*	*May-15*	*Jun-15*	*Jul-15*	*Aug-15*	*Sep-15*	*Oct-15*	*Nov-15*	*Dec-15*
TMW-1				106.22		105.70	105.66	105.59	105.70	105.87	105.72	105.95	105.90	105.65	105.55
TMW-1	150,107.66	324,536.42	6648.22	6,543.44	6,649.66	6,543.96	6,544.00	6,544.07	6,543.96	6,543.79	6,543.94	6,543.71	6,543.76	6,544.01	6,544.11
TMW-2				85.00		84.61	84.81	84.65	84.77	84.85	85.20	84.87	84.94	84.85	84.85
TMW-2	147,133.96	324,360.13	6627.09	6,542.09	6,627.09	6,542.48	6,542.28	6,542.44	6,542.32	6,542.24	6,541.89	6,542.22	6,542.15	6,542.24	6,542.24
TMW-3				84.71		84.28	84.50	84.41	84.42	84.39	84.61	84.41	94.51	84.45	84.45
TMW-3	145,984.03	324,361.03	6626.27	6,541.56	6,626.27	6,541.99	6,541.77	6,541.86	6,541.85	6,541.88	6,541.66	6,541.86	6,531.76	6,541.82	6,541.82
TMW-4				85.50		85.18	85.52	85.21	85.36	85.38	85.56	85.51	84.64	85.40	85.40
TMW-4	147,141.81	323,176.55	6626.89	6,541.39	6,626.89	6,541.71	6,541.37	6,541.68	6,541.53	6,541.51	6,541.33	6,541.38	6,542.25	6,541.49	6,541.49
TMW-5				110.88		110.58	110.67	110.59	110.61	110.64	110.77	110.69	110.76	110.60	110.67
TMW-5	149,053.50	328,102.80	6658.59	6,547.59	6,658.47	6,547.89	6,547.80	6,547.88	6,547.86	6,547.83	6,547.70	6,547.78	6,547.71	6,547.87	6,547.80
TMW-6				97.38		97.16	97.43	97.27	97.24	96.87	97.34	97.24	97.36	97.20	97.20
TMW-6	145,356.25	327,464.50	6641.66	6,544.28	6,641.66	6,544.50	6,544.23	6,544.39	6,544.42	6,544.79	6,544.32	6,544.42	6,544.30	6,544.46	6,544.46
TMW-7				114.52		114.89	115.88	115.87	115.05	116.05	115.69	115.85	115.75	115.65	115.38
TMW-7	149,339.65	325,014.01	6654.40	6,540.17	6,654.69	6,539.80	6,538.81	6,538.82	6,539.64	6,538.64	6,539.00	6,538.84	6,538.94	6,539.04	6,539.31
TMW-8				104.30		103.10	103.59	102.96	103.06	103.24	103.11	103.33	103.20	103.00	103.16
TMW-8	148,912.15	324,561.80	6646.47	6,542.17	6,646.47	6,543.37	6,542.88	6,543.51	6,543.41	6,543.23	6,543.36	6,543.14	6,543.27	6,543.47	6,543.31
TMW-10															
TMW-10	149,145.59	323,037.81	6556.92	6,544.99	6,545.06	6,545.05	6,545.19	6,545.21	6,545.37	6,545.52					
TMW-15				101.02		100.94	100.88	100.86	101.15	101.44	101.49	101.44	101.51	100.95	100.95
TMW-15	147,910.39	325,006.29	6643.26	6,542.24	6,643.26	6,542.32	6,542.38	6,542.40	6,542.11	6,541.82	6,541.77	6,541.82	6,541.75	6,542.31	6,542.31
TMW-16				112.78		112.69	112.94	112.85	113.05	113.45	113.41	113.63	114.00	113.35	113.30
TMW-16	149,397.99	325,023.08	6655.62	6,542.84	6,655.62	6,542.93	6,542.68	6,542.77	6,542.57	6,542.17	6,542.21	6,541.99	6,541.62	6,542.27	6,542.32
TMW-17				117.44		117.28	121.88	123.25	123.81	123.86	124.34	124.15	124.13	123.50	120.00
TMW-17	149,602.14	325,994.00	6660.87	6,543.43	6,660.87	6,543.59	6,538.99	6,537.62	6,537.06	6,537.01	6,536.53	6,536.72	6,536.74	6,537.37	6,540.87
TMW-18				124.95		124.81	122.09	127.39	127.61	127.92	127.69	127.92	127.90		
TMW-18	148,922.42	325,018.57	6655.98	6,531.03	6,655.98	6,531.17	6,533.89	6,528.59	6,528.37	6,528.06	6,528.29	6,528.06	6,528.08	6,655.98	6,655.98
TMW-24				115.12		114.89	115.02	115.58	115.05	114.95	115.33	115.14	115.11	114.85	114.85
TMW-24	150,307.90	325,992.24	6661.21	6,546.09	6,661.21	6,546.32	6,546.19	6,545.63	6,546.16	6,546.26	6,545.88	6,546.07	6,546.10	6,546.36	6,546.36
TMW-29				110.59		110.35	110.46	110.51	110.75	110.50	110.91	110.78	110.82	110.30	110.30
TMW-29	150,108.27	326,786.49	6656.64	6,546.50	6,657.09	6,546.74	6,546.63	6,546.58	6,546.34	6,546.59	6,546.18	6,546.31	6,546.27	6,546.79	6,546.79
TMW-31				114.85		114.59	114.63	114.70	114.85	114.66	115.06	114.94	115.02	114.50	114.50
TMW-31	149,901.61	327,194.15	6661.09	6,546.24	6,661.09	6,546.50	6,546.46	6,546.39	6,546.24	6,546.43	6,546.03	6,546.15	6,546.07	6,546.59	6,546.59
TMW-35				112.35		111.61	111.64	111.70	111.83	111.37	112.10	111.99	112.05	111.80	111.86
TMW-35	149,509.35	327,198.92	6657.75	6,545.40	6,657.75	6,546.14	6,546.11	6,546.05	6,545.92	6,546.38	6,545.65	6,545.76	6,545.70	6,545.95	6,545.89
TMW-36				112.45		112.18	112.22	112.31	112.46	112.33	112.72	112.63	112.71	112.30	112.34
TMW-36	149,108.62	327,007.02	6657.75	6,545.30	6,657.75	6,545.57	6,545.53	6,545.44	6,545.29	6,545.42	6,545.03	6,545.12	6,545.04	6,545.45	6,545.41
TMW-37				105.56		105.25	105.31	105.24	105.36	105.33	105.67	105.53	105.71	105.40	105.53
TMW-37	148,455.68	326,999.77	6650.73	6,545.17	6,650.73	6,545.48	6,545.42	6,545.49	6,545.37	6,545.40	6,545.06	6,545.20	6,545.02	6,545.33	6,545.20
TMW-44				94.43		94.32	94.34	94.23	94.39	94.35	94.77	94.69	94.72	94.45	94.49
TMW-44	147,612.17	325,588.96	6637.52	6,543.09	6,637.52	6,543.20	6,543.18	6,543.29	6,543.13	6,543.17	6,542.75	6,542.83	6,542.80	6,543.07	6,543.03
TMW-45				97.45		97.05	97.10	96.96	97.99	97.02	97.45	97.34	97.39	97.15	97.22
TMW-45	147,619.66	326,196.14	6641.00	6,543.55	6,641.00	6,543.95	6,543.90	6,544.04	6,543.01	6,543.98	6,543.55	6,543.66	6,543.61	6,543.85	6,543.78
TMW-47				95.67		95.50	95.60	95.47	95.49	95.47	95.64	95.52	95.59	95.45	95.47
TMW-47	147,310.10	326,491.24	6640.35	6,544.68	6,640.35	6,544.85	6,544.75	6,544.88	6,544.86	6,544.88	6,544.71	6,544.83	6,544.76	6,544.90	6,544.88
TMW-48				95.61		97.62	95.41	95.99	95.47	95.35	95.64	95.54	95.67	95.30	95.44
TMW-48	147,312.58	326,482.99	6639.72	6,544.11	6,639.72	6,542.10	6,544.31	6,543.73	6,544.25	6,544.37	6,544.08	6,544.18	6,544.05	6,544.42	6,544.28
TMW-49				97.87		97.84	97.74	97.71	97.88	98.26	98.34	98.25	98.32	97.70	97.70
TMW-49	147,708.93	324,836.10	6640.19	6,542.32	6,640.19	6,542.35	6,542.45	6,542.48	6,542.31	6,541.93	6,541.85	6,541.94	6,541.87	6,542.49	6,542.49
TMW-50				105.78		105.72	105.65	105.39	105.99	106.45	106.50	106.42	106.51	106.25	106.00
TMW-50	148,198.81	324,697.71	6647.80	6,542.02	6,647.80	6,542.08	6,542.15	6,542.41	6,541.81	6,541.35	6,541.30	6,541.38	6,541.29	6,541.55	6,541.80
TMW-51				107.93		107.90	107.77	107.81	108.07	108.53	108.56	108.48	108.57	107.80	108.12
TMW-51	147,995.26	324,449.18	6650.00	6,542.07	6,650.00	6,542.10	6,542.23	6,542.19	6,541.93	6,541.47	6,541.44	6,541.52	6,541.43	6,542.20	6,541.88
TMW-52				102.67		102.62	102.52	102.75	103.11	103.56	103.61	103.51	103.59	103.25	103.15
TMW-52	148,316.56	324,221.64	6644.70	6,542.03	6,644.70	6,542.08	6,542.18	6,541.95	6,541.59	6,541.14	6,541.09	6,541.19	6,541.11	6,541.45	6,541.55
TMW-53				99.53		99.49	99.37	99.41	99.61	100.03	100.08	99.99	100.07	99.80	99.57
TMW-53	147,849.28	323,913.72	6641.47	6,541.94	6,641.47	6,541.98	6,542.10	6,542.06	6,541.86	6,541.44	6,541.39	6,541.48	6,541.40	6,541.67	6,541.90
TMW-54				57.95		57.89	57.66	57.35	57.30	57.55	57.65	57.83	57.70	57.60	57.60
TMW-54	149,122.85	324,827.05	6,652.06	6,594.11	6,652.06	6,594.17	6,594.40	6,594.71	6,594.76	6,594.51	6,594.41	6,594.23	6,594.36	6,594.46	6,594.46
TMW-55				56.60		56.58	56.23	56.01	55.94	56.18	56.22	58.38	56.45	56.30	56.40
TMW-55	149,098.35	324,587.76	6,649.48	6,592.88	6,649.48	6,592.90	6,593.25	6,593.47	6,593.54	6,593.30	6,593.26	6,591.10	6,593.03	6,593.18	6,593.08
TMW-56				105.43		105.29	105.44	105.79	106.17	106.53	106.48	106.67	106.25	106.10	105.51
TMW-56	149,105.02	324,418.67	6,647.72	6,542.29	6,647.72	6,542.43	6,542.28	6,541.93	6,541.55	6,541.19	6,541.24	6,541.05	6,541.47	6,541.62	6,542.21
TMW-57				105.82		105.74	105.93	115.10	114.98	115.41	113.95	112.95	106.40		106.30
TMW-57	149,296.82	324,590.47	6,649.86	6,544.04	6,649.86	6,544.12	6,543.93	6,534.76	6,534.88	6,534.45	6,535.91	6,536.91	6,543.46	6,649.86	6,543.56
TMW-58				104.98		104.89	105.10	109.91	109.78	110.56	110.34	110.48	105.65	105.70	105.42
TMW-58	148,915.74	324,570.92	6,646.96	6,541.98	6,646.96	6,542.07	6,541.86	6,537.05	6,537.18	6,536.40	6,536.62	6,536.48	6,541.31	6,541.26	6,541.54
TMW-59				113.62		113.77	115.40	115.19	115.83	115.82	116.20	115.33	115.35	114.25	114.25
TMW-59	148,403.85	325,013.86	6,648.15	6,534.53	6,648.15	6,534.38	6,532.75	6,532.96	6,532.32	6,532.33	6,531.95	6,532.82	6,532.80	6,533.90	6,533.90
TMW-61				107.38		107.33	107.27	107.42	107.77	108.63	108.29	108.21	108.26	108.05	107.69
TMW-61	148,422.32	324,592.68	6,649.36	6,541.98	6,649.36	6,542.03	6,542.09	6,541.94	6,541.59	6,540.73	6,541.07	6,541.15	6,541.10	6,541.31	6,541.67
TMW-62				104.86		104.55	104.88	105.21	105.57	105.91	105.79	106.06	105.50	105.30	104.91
TMW-62	148,789.00	324,277.11	6,646.13	6,541.42	6,646.28	6,541.73	6,541.40	6,541.07	6,540.71	6,540.37	6,540.49	6,540.22	6,540.78	6,540.98	6,541.37
TMW-63				117.76		117.62	118.82	119.31	119.38	119.74	119.57	119.72	119.70	119.30	119.05
TMW-63	148,924.39	325,009.90	6,654.77	6,537.01	6,654.77	6,537.15	6,535.95	6,535.46	6,535.39	6,535.03	6,535.20	6,535.05	6,535.07	6,535.47	6,535.72
TMW-64				108.51		108.39	108.58	108.61	108.67	108.93	108.88	109.05	109.10	108.85	108.69
TMW-64	149,797.71	324,991.71	6,652.25	6,543.71	6,652.22	6,543.83	6,543.64	6,543.61	6,543.55	6,543.29	6,543.34	6,543.17	6,543.12	6,543.37	6,543.53
TMW-67				71.66		71.70	71.66	71.71	71.74	71.75	73.36	71.84	74.81	71.85	71.79
TMW-67	150,003.26	325,192.80	6,656.63	6,584.97	6,656.63	6,584.93	6,584.97	6,584.92	6,584.89	6,584.88	6,583.27	6,584.79	6,581.82	6,584.78	6,584.84
TMW-69				111.15		111.14	111.28	111.64	111.86	112.18	112.10	112.35	112.35	112.00	111.79
TMW-69	149,649.27	324,659.43	6,654.47	6,543.32	6,654.47	6,543.33	6,543.19	6,542.83	6,542.61	6,542.29	6,542.37	6,542.12	6,542.12	6,542.47	6,542.68

KENNECOTT URANIUM COMPANY
Groundwater Elevations

Well No.	Northing	Easting	*Revised Measuring Point Elev.	*Jan-15*	*Feb-15*	*Mar-15*	*Apr-15*	*May-15*	*Jun-15*	*Jul-15*	*Aug-15*	*Sep-15*	*Oct-15*	*Nov-15*	*Dec-15*
TMW-70				108.52		108.24	108.55	108.73	108.04	109.42	109.33	109.53	109.45	109.05	108.55
TMW-70	149,309.09	324,369.82	6,651.06	6,542.54	6,651.06	6,542.82	6,542.51	6,542.33	6,543.02	6,541.64	6,541.73	6,541.53	6,541.61	6,542.01	6,542.51
TMW-71				111.11		111.07	111.19	110.99	111.19	111.52	111.43	111.67	111.60	111.40	111.20
TMW-71	149,835.18	324,420.67	6,654.52	6,543.41	6,654.52	6,543.45	6,543.33	6,543.53	6,543.33	6,543.00	6,543.09	6,542.85	6,542.92	6,543.12	6,543.32
TMW-72				98.70		98.68	98.52	98.37	98.85	98.61	98.93	99.04	98.95	98.65	98.65
TMW-72	149,020.47	322,997.15	6,640.35	6,541.65	6,640.35	6,541.67	6,541.83	6,541.98	6,541.50	6,541.74	6,541.42	6,541.31	6,541.40	6,541.70	6,541.70
TMW-73				100.73		100.72	100.59	100.37	100.65	100.35	100.63	100.75	100.71	100.65	100.65
TMW-73	149,055.70	322,896.82	6,643.31	6,542.58	6,643.31	6,542.59	6,542.72	6,542.94	6,542.66	6,542.96	6,542.68	6,542.56	6,542.60	6,542.66	6,542.66
TMW-75				117.39		117.78	118.03	118.09	118.10	118.12	118.57	118.33	118.25	117.70	117.70
TMW-75	149,801.01	325,992.80	6,660.18	6,542.79	6,660.18	6,542.40	6,542.15	6,542.09	6,542.08	6,542.06	6,541.61	6,541.85	6,541.93	6,542.48	6,542.48
TMW-78				113.95		113.86	114.11	114.26	114.54	114.42	114.82	114.71	114.71	114.15	114.15
TMW-78	149,900.26	325,592.38	6,658.50	6,544.55	6,658.50	6,544.64	6,544.39	6,544.24	6,543.96	6,544.08	6,543.68	6,543.79	6,543.79	6,544.35	6,544.35
TMW-82				115.25		115.05	115.06	115.09	115.22	115.05	115.45	115.34	115.32	114.85	114.85
TMW-82	150,302.15	325,987.47	6,660.64	6,545.39	6,660.64	6,545.59	6,545.58	6,545.55	6,545.42	6,545.59	6,545.19	6,545.30	6,545.32	6,545.79	6,545.79
TMW-83				63.72		63.74	65.70	63.77	65.74	63.75	63.83	65.81	63.83	63.80	64.40
TMW-83	150,307.20	326,379.40	6,658.87	6,595.15	6,658.87	6,595.13	6,593.17	6,595.10	6,593.13	6,595.12	6,595.04	6,593.06	6,595.04	6,595.07	6,594.47
TMW-84				115.80		115.55	115.65	115.68	115.93	115.68	116.07	115.94	115.98	115.45	115.85
TMW-84	150,506.27	326,376.61	6,661.86	6,546.06	6,661.86	6,546.31	6,546.21	6,546.18	6,545.93	6,546.18	6,545.79	6,545.92	6,545.88	6,546.41	6,546.01
TMW-87				89.96		89.98	89.96	89.97	89.95	89.91	89.94	89.94	89.91	90.55	90.55
TMW-87	150,200.92	325,789.12	6,660.60	6,570.64	6,660.60	6,570.62	6,570.64	6,570.63	6,570.65	6,570.69	6,570.66	6,570.66	6,570.69	6,570.05	6,570.05
TMW-89				114.66		114.41	114.43	114.49	114.63	114.43	114.81	114.89	114.81	114.15	114.15
TMW-89	150,809.67	326,137.13	6,660.75	6,546.09	6,660.75	6,546.34	6,546.32	6,546.26	6,546.12	6,546.32	6,545.94	6,545.86	6,545.94	6,546.60	6,546.60
TMW-91				102.51		102.49	102.42	103.09	103.82	104.00	104.07	103.99	104.00	103.60	103.03
TMW-91	148,518.42	323,956.85	6,639.61	6,541.88	6,644.39	6,541.90	6,541.97	6,541.30	6,540.57	6,540.39	6,540.32	6,540.40	6,540.39	6,540.79	6,541.36
TMW-92				102.76		102.70	102.68	103.60	103.28	104.42	104.49	104.38	104.40	103.75	103.27
TMW-92	148,504.47	323,951.33	6,640.15	6,541.95	6,644.71	6,542.01	6,542.03	6,541.11	6,541.43	6,540.29	6,540.22	6,540.33	6,540.31	6,540.96	6,541.44
TMW-93				99.17		99.11	99.09	99.51	100.21	100.36	100.41	100.39	100.40	100.10	99.65
TMW-93	148,399.92	324,099.96	6,641.02	6,541.85	6,641.02	6,541.91	6,541.93	6,541.51	6,540.81	6,540.66	6,540.61	6,540.63	6,540.62	6,540.92	6,541.37
TMW-94				99.19		99.15	99.11	99.65	100.31	100.44	100.51	100.46	100.35	100.00	99.79
TMW-94	148,400.13	324,000.02	6,640.53	6,541.34	6,640.53	6,541.38	6,541.42	6,540.88	6,540.22	6,540.09	6,540.02	6,540.07	6,540.18	6,540.53	6,540.74
TMW-95				99.39		99.34	99.30	100.05	100.29	100.81	100.88	100.81	100.80	100.30	99.85
TMW-95	148,399.94	323,900.08	6,640.57	6,541.18	6,640.57	6,541.23	6,541.27	6,540.52	6,540.28	6,539.76	6,539.69	6,539.76	6,539.77	6,540.27	6,540.72
TMW-96				98.25		98.21	98.17	102.02	102.49	101.85	102.11	101.86	99.57	101.35	98.80
TMW-96	148,500.01	323,820.25	6,640.36	6,541.86	6,640.11	6,541.90	6,541.94	6,538.09	6,537.62	6,538.26	6,538.00	6,538.25	6,540.54	6,538.76	6,541.31
TMW-97				99.56		99.50	99.46	104.08	104.68	104.65	104.80	104.50	100.75	101.80	100.05
TMW-97	148,599.86	323,805.93	6,641.54	6,541.75	6,641.31	6,541.81	6,541.85	6,537.23	6,536.63	6,536.66	6,536.51	6,536.81	6,540.56	6,539.51	6,541.26
TMW-98				98.99		98.94	98.88	99.37	100.04	99.91	100.33	100.25	100.25	99.85	99.50
TMW-98	148,699.84	323,822.69	6,643.60	6,541.92	6,640.91	6,541.97	6,542.03	6,541.54	6,540.87	6,541.00	6,540.58	6,540.66	6,540.66	6,541.06	6,541.41
TMW-99				98.58		98.51	98.49	99.20	99.81	99.71	100.05	100.00	100.00	99.55	99.07
TMW-99	148,707.32	323,908.85	6,643.84	6,541.91	6,640.49	6,541.98	6,542.00	6,541.29	6,540.68	6,540.78	6,540.44	6,540.49	6,540.49	6,540.94	6,541.42
TMW-100				98.80		98.76	98.75	99.11	99.81	100.09	100.22	100.06	100.10	99.70	99.14
TMW-100	148,799.77	324,016.92	6,639.85	6,544.40	6,643.20	6,544.44	6,544.45	6,544.09	6,543.39	6,543.11	6,542.98	6,543.14	6,543.10	6,543.50	6,544.06
TMW-101				102.07		102.00	101.99	102.38	103.11	103.33	103.47	103.31	103.20	103.00	102.62
TMW-101	148,800.10	324,100.06	6,641.64	6,541.79	6,643.86	6,541.86	6,541.87	6,541.48	6,540.75	6,540.53	6,540.39	6,540.55	6,540.66	6,540.86	6,541.24
TMW-102				102.82		103.04	102.58	105.22	104.17	106.25	104.93	104.33	104.25	104.05	103.57
TMW-102	148,600.02	323,968.63	6,639.74	6,541.41	6,644.23	6,541.19	6,541.65	6,539.01	6,540.06	6,537.98	6,539.30	6,539.90	6,539.98	6,540.18	6,540.66
TMW-103				100.64		99.55	100.51	100.35	100.72	100.30	100.87	101.01	101.00	100.90	101.82
TMW-103	149,144.44	323,576.50	6,642.87	6,542.23	6,642.87	6,543.32	6,542.36	6,542.52	6,542.15	6,542.57	6,542.00	6,541.86	6,541.87	6,541.97	6,541.05
TMW-104				101.81		101.78	101.42	102.20	102.92	103.12	103.19	103.11	103.08	102.75	101.80
TMW-104	148,508.55	324,122.60	6,639.71	6,542.13	6,643.94	6,542.16	6,542.52	6,541.74	6,541.02	6,540.82	6,540.75	6,540.83	6,540.86	6,541.19	6,542.14
TMW-106				100.11		99.99	99.95	99.84	100.15	100.01	100.37	100.41	100.41	100.30	102.21
TMW-106	149,120.61	323,577.45	6,642.25	6,542.14	6,642.25	6,542.26	6,542.30	6,542.41	6,542.10	6,542.24	6,541.88	6,541.84	6,541.84	6,541.95	6,540.04
TMW-107				97.43		97.06	97.44	97.30	97.64	97.64	98.03	97.89	98.03	97.70	97.70
TMW-107	148,109.87	323,621.68	6,638.80	6,541.37	6,638.80	6,541.74	6,541.36	6,541.50	6,541.16	6,541.16	6,540.77	6,540.91	6,540.77	6,541.10	6,541.10
TMW-108				99.57		99.44	99.38	99.66	99.96	100.12	100.36	100.38	100.45	100.15	100.14
TMW-108	148,581.99	323,650.69	6,641.43	6,541.86	6,641.43	6,541.99	6,542.05	6,541.77	6,541.47	6,541.31	6,541.07	6,541.05	6,540.98	6,541.28	6,541.29
TMW-109				99.27		99.18	99.13	99.24	99.65	99.83	100.07	100.12	100.10	99.95	99.85
TMW-109	148,563.38	323,651.83	6,641.21	6,541.94	6,641.21	6,542.03	6,542.08	6,541.97	6,541.56	6,541.38	6,541.14	6,541.09	6,541.11	6,541.26	6,541.36
TMW-110				97.35		96.99	97.34	97.20	97.53	97.57	97.92	97.78	97.90	97.45	97.45
TMW-110	148,088.65	323,625.57	6,638.71	6,541.36	6,638.71	6,541.72	6,541.37	6,541.51	6,541.18	6,541.14	6,540.79	6,540.93	6,540.81	6,541.26	6,541.26
TMW-111				102.06		101.99	101.95	102.31	103.07	103.31	103.44	103.29	103.15	103.05	102.30
TMW-111	148,800.06	324,188.03	6,643.95	6,542.33	6,644.39	6,542.40	6,542.44	6,542.08	6,541.32	6,541.08	6,540.95	6,541.10	6,541.24	6,541.34	6,542.09
TMW-112				103.23		103.16	103.14	103.52	104.25	104.50	104.58	104.49	104.40	104.20	103.49
TMW-112	148,700.09	324,188.95	6,643.24	6,542.35	6,645.58	6,542.42	6,542.44	6,542.06	6,541.33	6,541.08	6,541.00	6,541.09	6,541.18	6,541.38	6,542.09
TMW-113				102.21		102.16	102.14	102.51	103.27	103.47	103.45	103.50	103.40	102.65	102.65
TMW-113	148,600.06	324,192.45	6,643.51	6,542.16	6,644.37	6,542.21	6,542.23	6,541.86	6,541.10	6,540.90	6,540.92	6,540.87	6,540.97	6,541.72	6,541.72
TMW-115				101.91		101.84	101.82	102.22	102.95	103.11	103.15	103.14	103.10	102.85	102.15
TMW-115	148,499.96	324,199.79	6,642.92	6,540.66	6,642.57	6,540.73	6,540.75	6,540.35	6,539.62	6,539.46	6,539.42	6,539.43	6,539.47	6,539.72	6,540.42
M-1				147.55		147.42	147.62	147.54	147.51	147.46	147.60	147.44	147.54		
M-1	159,190.56	323,580.63	6,711.30	6,563.75	6,711.30	6,563.88	6,563.68	6,563.76	6,563.79	6,563.84	6,563.70	6,563.86	6,563.76	6,711.30	6,711.30
M-2				66.18		66.06	66.16	66.15	66.07	66.07	66.21	66.10	66.17		62.24
M-2	145,731.13	317,919.02	6,607.29	6,541.11	6,607.29	6,541.23	6,541.13	6,541.14	6,541.22	6,541.22	6,541.08	6,541.19	6,541.12	6,607.29	6,545.05
PWW-1				100.25		99.87	99.75	100.16	100.24	100.17	104.15	104.16	100.40		
PWW-1	149,023.15	323,779.27	6,643.08	6,542.83	6,643.08	6,543.21	6,543.33	6,542.92	6,542.84	6,542.91	6,538.93	6,538.92	6,542.68	6,643.08	6,643.08
PWW-2				104.25		103.83	103.77	104.24	104.35						
PWW-2	148,877.54	324,180.69	6,646.85	6,542.60	6,646.85	6,543.02	6,543.08	6,542.61	6,542.50	6,646.85	6,646.85	6,646.85	6,646.85	6,646.85	6,646.85

KENNECOTT URANIUM COMPANY
Sweetwater Pit Water Levels
Recovery of water level after suspension of dewatering activities in May, 1983

DATE	ELAPSED TIME DAYS	WATER ELEVATION	WATER LEVEL CHANGE
04/25/83	0	6425.00	0.00
06/27/83	63	6440.00	15.00
07/04/83	70	6441.70	16.70
08/03/83	100	6450.00	25.00
01/16/84	266	6475.00	50.00
02/27/84	308	6481.00	56.00
05/07/84	378	6486.10	61.10
06/26/84	428	6488.60	63.60
08/28/84	491	6491.50	66.50
10/01/84	525	6492.80	67.80
11/19/84	574	6494.60	69.60
01/03/85	619	6497.30	72.30
02/26/85	673	6500.00	75.00
03/06/85	681	6500.40	75.40
05/14/85	750	6502.90	77.90
08/15/85	843	6505.39	80.39
04/14/86	1085	6513.19	88.19
06/23/86	1155	6514.87	89.87
09/26/86	1250	6515.93	90.93
04/14/87	1450	6520.42	95.42
06/23/87	1520	6521.80	96.80
09/16/87	1605	6522.33	97.33
11/01/87	1651	6523.41	98.41
11/19/87	1669	6523.41	98.41
03/08/88	1779	6525.00	100.00
06/06/88	1869	6526.31	101.31
07/25/88	1918	6526.54	101.54
08/30/88	1954	6526.55	101.55
10/10/88	1995	6526.88	101.88
10/31/88	2016	6526.88	101.88
04/03/89	2170	6529.29	104.29
07/24/89	2282	6529.77	104.77
08/28/89	2317	6529.51	104.51
09/25/89	2345	6529.63	104.63
04/23/90	2555	6531.67	106.67
06/11/90	2604	6531.48	106.48
07/02/90	2625	6531.99	106.99
10/08/90	2723	6532.02	107.02
11/11/90	2757	6531.98	106.98
04/17/91	2914	6531.44	106.44
07/02/91	2990	6533.64	108.64
08/14/91	3033	6534.17	109.17
09/05/91	3055	6533.49	108.49
10/07/91	3087	6533.36	108.36
12/10/91	3151	6533.84	108.84
04/29/92	3292	6535.24	110.24
05/26/92	3319	6534.96	109.96
09/14/92	3430	6533.70	108.70
11/05/92	3482	6535.34	110.34
05/04/93	3662	6536.93	111.93
06/30/93	3719	6536.51	111.51
08/18/93	3768	6536.55	111.55
10/11/93	3822	6536.38	111.38
06/06/94	4060	6537.20	112.20
07/05/94	4089	6537.69	112.69
09/21/94	4167	6536.90	111.90
10/10/94	4186	6536.80	111.80
04/05/95	4363	6538.23	113.23
05/01/95	4389	6538.37	113.37
06/10/95	4429	6538.86	113.86
07/06/95	4455	6538.78	113.78
08/02/95	4482	6538.57	113.57

KENNECOTT URANIUM COMPANY
Sweetwater Pit Water Levels
Recovery of water level after suspension of dewatering activities in May, 1983

DATE	ELAPSED TIME DAYS	WATER ELEVATION	WATER LEVEL CHANGE
09/07/95	4518	6538.31	113.31
10/03/95	4544	6538.24	113.24
11/02/95	4574	6538.21	113.21
05/13/96	4767	6539.40	114.40
08/09/96	4855	6538.90	113.90
09/03/96	4880	6538.70	113.70
10/03/96	4910	6538.50	113.50
10/08/96	4915	6538.60	113.60
12/03/96	4971	6538.66	113.66
03/31/97	5089	6539.44	114.44
04/25/97	5114	6539.43	114.43
05/29/97	5148	6539.55	114.55
06/11/97	5161	6539.70	114.70
07/28/97	5208	6539.30	114.30
09/01/97	5243	6539.20	114.20
09/22/97	5264	6539.16	114.16
10/15/97	5287	6539.01	114.01
11/25/97	5328	6539.00	114.00
12/03/97	5336	6538.99	113.99
05/04/98	5488	6540.25	115.25
05/18/98	5502	6540.40	115.40
06/11/98	5526	6540.38	115.38
07/01/98	5546	6540.40	115.40
07/29/98	5574	6540.26	115.26
08/20/98	5596	6540.10	115.10
09/29/98	5636	6539.92	114.92
10/06/98	5643	6539.84	114.84
11/05/98	5673	6539.80	114.80
11/10/98	5678	6539.78	114.78
11/30/98	5698	6539.72	114.72
12/03/98	5701	6539.72	114.72
12/16/98	5714	6539.71	114.71
03/31/99	5819	6540.43	115.43
04/02/99	5821	6540.40	115.40
04/28/99	5847	6540.56	115.56
05/22/99	5871	6540.70	115.70
06/09/99	5889	6540.72	115.72
06/27/99	5907	6540.64	115.64
07/19/99	5929	6540.41	115.41
08/08/99	5949	6540.32	115.32
08/29/99	5970	6540.17	115.17
09/08/99	5980	6540.12	115.12
09/19/99	5991	6540.01	115.01
10/21/99	6023	6539.82	114.82
10/27/99	6029	6539.80	114.80
11/10/99	6043	6539.76	114.76
11/17/99	6050	6539.81	114.81
11/22/99	6055	6539.76	114.76
12/06/99	6069	6539.76	114.76
12/14/99	6077	6539.76	114.76
12/23/99	6086	6539.67	114.67
04/28/00	6213	6540.15	115.15
05/03/00	6218	6540.82	115.82
05/26/00	6241	6540.17	115.17
06/01/00	6247	6540.12	115.12
06/30/00	6276	6539.79	114.79
07/17/00	6293	6539.54	114.54
07/30/00	6306	6539.37	114.37
08/10/00	6317	6539.24	114.24
06/17/00	6263	6539.18	114.18
08/28/00	6335	6539.03	114.03
08/30/00	6337	6539.04	114.04

KENNECOTT URANIUM COMPANY
Sweetwater Pit Water Levels
Recovery of water level after suspension of dewatering activities in May, 1983

DATE	ELAPSED TIME DAYS	WATER ELEVATION	WATER LEVEL CHANGE
09/03/00	6341	6539.03	114.03
09/17/00	6355	6538.88	113.88
10/04/00	6372	6538.86	113.86
10/22/00	6390	6538.83	113.83
11/13/00	6412	6538.75	113.75
04/05/01	6555	6540.07	115.07
04/16/01	6566	6540.13	115.13
04/24/01	6574	6540.30	115.30
05/10/01	6590	6540.22	115.22
05/16/01	6596	6540.20	115.20
06/21/01	6632	6539.89	114.89
07/02/01	6643	6539.83	114.83
07/03/01	6644	6539.84	114.84
07/16/01	6657	6539.78	114.78
07/20/01	6661	6539.68	114.68
08/21/01	6693	6539.35	114.35
09/06/01	6709	6539.22	114.22
09/26/01	6729	6539.11	114.11
10/18/01	6751	6538.98	113.98
11/05/01	6769	6538.84	113.84
11/11/01	6775	6538.90	113.90
11/27/01	6791	6538.98	113.98
12/03/01	6797	6538.98	113.98
03/31/02	6915	6539.75	114.75
04/04/02	6919	6539.75	114.75
04/08/02	6923	6539.77	114.77
04/15/02	6930	6539.77	114.77
04/29/02	6944	6539.82	114.82
05/16/02	6961	6539.76	114.76
05/28/02	6973	6539.74	114.74
06/27/02	7003	6539.53	114.53
07/03/02	7009	6539.44	114.44
07/08/02	7014	6539.40	114.40
07/09/02	7015	6539.40	114.40
07/17/02	7023	6539.28	114.28
07/29/02	7035	6539.13	114.13
08/06/02	7043	6539.07	114.07
09/03/02	7071	6538.51	113.51
09/29/02	7097	6538.63	113.63
10/09/02	7107	6538.65	113.65
10/14/02	7112	6538.61	113.61
11/06/02	7135	6538.43	113.43
03/16/03	7265	6539.42	114.42
04/21/03	7301	6539.54	114.54
05/29/03	7339	6539.61	114.61
06/17/03	7358	6539.49	114.49
06/26/03	7367	6539.55	114.55
07/16/03	7387	6539.34	114.34
07/17/03	7388	6539.33	114.33
08/31/03	7433	6538.91	113.91
09/30/03	7463	6538.74	113.74
10/07/03	7470	6538.75	113.75
10/20/03	7483	6538.63	113.63
11/16/03	7510	6538.49	113.49
12/03/03	7527	6538.57	113.57
03/21/04	7636	6539.65	114.65
03/24/04	7639	6539.65	114.65
03/28/04	7643	6539.75	114.75
04/05/04	7651	6539.65	114.65
04/18/04	7664	6539.80	114.80
05/20/04	7696	6539.84	114.84
06/15/04	7722	6539.70	114.70

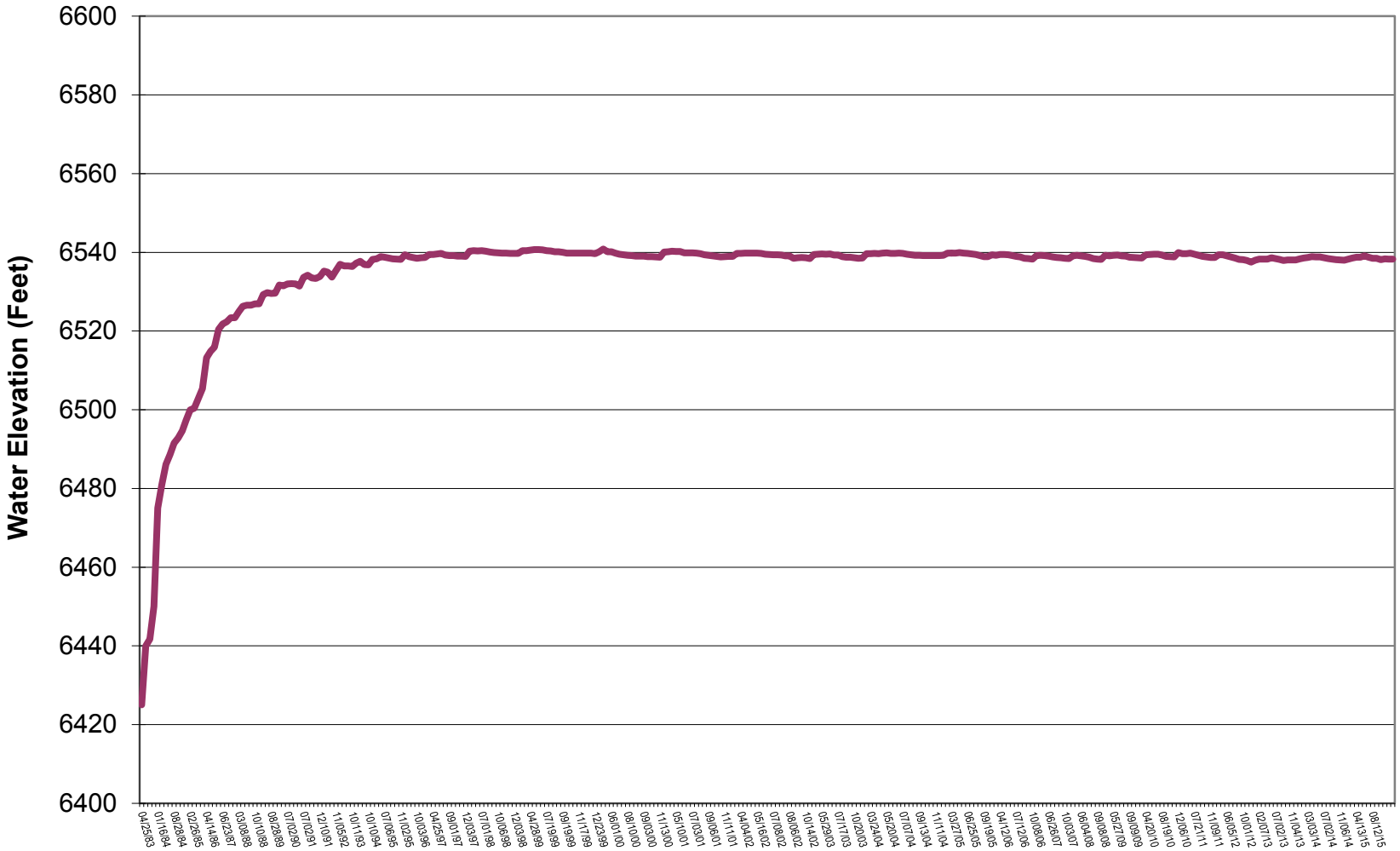
KENNECOTT URANIUM COMPANY
Sweetwater Pit Water Levels
Recovery of water level after suspension of dewatering activities in May, 1983

DATE	ELAPSED TIME DAYS	WATER ELEVATION	WATER LEVEL CHANGE
06/21/04	7728	6539.73	114.73
07/04/04	7741	6539.76	114.76
07/07/04	7744	6539.70	114.70
07/26/04	7763	6539.52	114.52
08/10/04	7778	6539.40	114.40
08/24/04	7792	6539.26	114.26
09/13/04	7812	6539.26	114.26
09/20/04	7819	6539.17	114.17
10/04/04	7833	6539.15	114.15
11/07/04	7867	6539.16	114.16
11/11/04	7871	6539.18	114.18
11/22/04	7882	6539.20	114.20
12/13/04	7903	6539.21	114.21
03/16/05	7996	6539.78	114.78
03/27/05	8007	6539.82	114.82
04/05/05	8016	6539.82	114.82
05/18/05	8059	6539.95	114.95
06/08/05	8080	6539.82	114.82
06/25/05	8097	6539.70	114.70
07/06/05	8108	6539.58	114.58
07/18/05	8120	6539.47	114.47
08/17/05	8150	6539.18	114.18
09/19/05	8183	6538.90	113.90
10/17/05	8211	6538.86	113.86
04/02/06	8378	6539.37	114.37
04/03/06	8379	6539.27	114.27
04/12/06	8388	6539.45	114.45
04/18/06	8394	6539.45	114.45
05/10/06	8416	6539.40	114.40
06/19/06	8456	6539.14	114.14
07/12/06	8479	6538.94	113.94
07/26/06	8493	6538.84	113.84
08/30/06	8528	6538.50	113.50
09/13/06	8542	6538.40	113.40
10/08/06	8567	6538.26	113.26
03/26/07	8736	6539.18	114.18
04/30/07	8771	6539.26	114.26
05/31/07	8802	6539.20	114.20
06/26/07	8828	6539.06	114.06
07/25/07	8857	6538.85	113.85
08/30/07	8893	6538.66	113.66
09/11/07	8905	6538.59	113.59
10/03/07	8927	6538.45	113.45
10/15/07	8939	6538.39	113.39
04/01/08	9108	6539.11	114.11
05/30/08	9167	6539.21	114.21
06/04/08	9172	6539.09	114.09
06/27/08	9195	6538.97	113.97
07/31/08	9229	6538.73	113.73
08/19/08	9248	6538.38	113.38
09/08/08	9268	6538.26	113.26
10/20/08	9310	6538.17	113.17
03/31/09	9472	6539.26	114.26
04/20/09	9492	6539.07	114.07
05/27/09	9529	6539.21	114.21
06/16/09	9549	6539.29	114.29
07/16/09	9579	6539.13	114.13
08/12/09	9606	6539.04	114.04
09/09/09	9634	6538.78	113.78
09/23/09	9648	6538.67	113.67
10/21/09	9676	6538.63	113.63
11/09/09	9695	6538.56	113.56

KENNECOTT URANIUM COMPANY
Sweetwater Pit Water Levels
Recovery of water level after suspension of dewatering activities in May, 1983

DATE	ELAPSED TIME DAYS	WATER ELEVATION	WATER LEVEL CHANGE
04/20/10	9857	6539.40	114.40
05/27/10	9894	6539.48	114.48
06/10/10	9908	6539.51	114.51
07/09/10	9937	6539.53	114.53
08/19/10	9978	6539.29	114.29
09/14/10	10004	6538.98	113.98
10/13/10	10033	6538.90	113.90
11/02/10	10053	6538.79	113.79
12/06/10	10087	6539.93	114.93
04/12/11	10214	6539.64	114.64
05/16/11	10248	6539.66	114.66
06/07/11	10270	6539.77	114.77
07/21/11	10314	6539.50	114.50
08/16/11	10340	6539.27	114.27
09/15/11	10370	6538.96	113.96
10/10/11	10395	6538.85	113.85
11/09/11	10425	6538.70	113.70
12/06/11	10452	6538.70	113.70
04/22/12	10590	6539.40	114.40
05/02/12	10600	6539.36	114.36
06/05/12	10634	6539.09	114.09
07/03/12	10662	6538.80	113.80
08/11/12	10701	6538.55	113.55
09/11/12	10732	6538.21	113.21
10/01/12	10752	6538.11	113.11
11/28/12	10810	6537.94	112.94
12/17/12	10829	6537.52	112.52
01/02/13	10845	6538.02	113.02
02/07/13	10881	6538.28	113.28
03/12/13	10914	6538.28	113.28
04/03/13	10936	6538.28	113.28
06/10/13	11004	6538.61	113.61
07/02/13	11026	6538.38	113.38
08/01/13	11056	6538.19	113.19
09/03/13	11089	6537.93	112.93
10/07/13	11123	6538.07	113.07
11/04/13	11151	6538.03	113.03
12/02/13	11179	6538.04	113.04
01/14/14	11222	6538.37	113.37
02/11/14	11250	6538.57	113.57
03/03/14	11270	6538.70	113.70
04/01/14	11299	6538.88	113.88
05/12/14	11340	6538.84	113.84
06/02/14	11361	6538.85	113.85
07/02/14	11391	6538.61	113.61
08/05/14	11425	6538.40	113.40
09/02/14	11453	6538.26	113.26
10/06/14	11487	6538.13	113.13
11/06/14	11518	6538.06	113.06
12/08/14	11550	6538.01	113.01
01/14/15	11587	6538.26	113.26
03/02/15	11634	6538.57	113.57
04/13/15	11676	6538.72	113.72
05/05/15	11698	6538.78	113.78
06/01/15	11725	6539.07	114.07
07/21/15	11775	6538.78	113.78
08/12/15	11797	6538.46	113.46
09/01/15	11817	6538.46	113.46
10/13/15	11859	6538.16	113.16
12/31/15	11938	6538.31	113.31

KENNECOTT URANIUM COMPANY
Sweetwater Pit Water Levels
April 25, 1983 through September 2, 2014



KENNECOTT URANIUM COMPANY																		
PIT LAKE																		
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/9/2005	4/5/2005	4/11/2005	6/7/2005	8/3/2005	11/8/2005	4/10/2006	6/6/2006	8/28/2006	10/7/2006	4/18/2007	6/3/2007	8/16/2007	10/3/2007	4/21/2008	6/4/2008	8/25/2008
TDS A/C Balance *(dec. %)*		1.06	1.01	1	1.01	1.04	0.98	0.98	1	0.9	1	0.96	0.98	0.94	1.12	2.62	2.96	1.01
Alk-CaC03		99	102	94	96	88	98	99	94	90	89	100	98	98	96	93	88	92
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		121	125	115	117	107	117	120	115	109	106	122	120	119	117	114	107	112
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		113	116	96	110	112	109	119	109	111	114	113	116	120	99.6	122	117	117
Carbonate (CO3)		<1	<1	<1	<1	<1	1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		16	20	17	20	19	20	19	20	47	18	19	19	18	21	19	13	19
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		971	968	986	962	1000	993	968	985	1060	1000	1030	1120	1040	1080	1000	1050	1040
Cond-Field *(umhos/cm)*				660	700	800	660	650	918	1014	982	969	989	1023	962	904	978	1042
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.4	0.4	0.4	0.4	0.5	0.3	0.3	0.4	0.3
Gross Alpha *(pCi/L)*	GPS (15)	2	<1	3.1	1.2	2.7	2.8	2.3	2.7	2.4	3.2	1.7	7.7	13	12.9	15.8	3.7	7.8
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	ND
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-3.8	1.7	4.4
Lead (Pb)		<0.03	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		10.1	10.1	8.8	10.1	10.4	10.3	10.7	10.9	10	10.7	10.7	10.9	11.2	8.9	11.3	11.1	10.6
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.08	<0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.19	8.24	8.06	8.26	8.24	8.33	7.44	7.56	8.23	8.34	8.06	8.16	8.2	7.92	8.19	8.11	8.19
pH (Field) *(Std. Units)*				7.7	8	7.8	8.27	8.39	8.21	8.23	8.13	7.83	8.09	8	8.1	7.7	7.8	8.2
Potassium (K)		6.2	6.3	6.4	5.9	6.3	6.4	6.2	6.9	6	6.5	6.6	6.6	6.7	7.2	6.5	7	6.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	4.4	1.2	4.4	2.5	1.8	3.2	1.5	9.6	3.3	4.5	1.1	3.6	2.1	4.4	3.4	0.8	3.3
Radium 226 *(pCi/L)*		1.8	1.2	2.3	2.5	1.8	2	1.5	1.5	3.3	2.4	1.1	3.6	2.1	1.8	2.4	-0.2	2.5
Radium 228 *(pCi/L)*		2.6	<1	2.1	<1	<1	1.2	<1	2.2	<1	2.1	<1	<1	<1	2.6	1	0.8	0.8
Radon 222 *(pCi/L)*		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium (Se)	GPS (.01)	0.009	0.01	0.01	0.009	0.01	0.009	0.01	0.01	0.01	0.01	0.01	0.01	0.011	0.01	0.009	0.009	0.01
Silica (SiO2)		<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		93.1	91.9	81.1	91.8	89.2	92.1	83.4	91.9	89	96.1	95.4	95.3	99.5	90.8	97.6	103	97
TDS @ 180° *C.*	GPS (500)	716	690	637	672	692	670	676	680	644	694	680	700	694	750	708	737	737
Sulfate (SO4)		376	374	367	372	372	386	394	386	401	398	403	407	425	382	404	415	409
Temperature *(C)*				8	14	26	8.2	7.6	25.1	22.5	15	10.2	15.6	20.2	13.5	7.9	12	20.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	2850	2650	3090	2960	2920	3010	2720	3000	3050	2010	3040	2990	2920	2990	3120	3080	3190
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY																		
PIT LAKE									Radon only (Water depth 12")									
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	10/29/2008	4/15/2009	6/16/2009	8/12/2009	10/21/2009	4/20/2010	6/7/2010	8/25/2010	9/14/2010	11/1/2010	4/12/2011	6/7/2011	8/16/2011	10/23/2011	4/16/2012	8/14/2012	10/1/2012
TDS A/C Balance *(dec. %)*		2.44	4.9	-3.39	-3.25	-2.63	-3.71	-0.761		-3.12	-4.29	0.563	-3.07	-1.06	-2.61	-2.36	-0.129	-1.87
Alk-CaC03		94	98	94	93	98	96	99		101	95	98	99	92	92	82	98	96
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		115	120	115	113	119	117	119		121	116	119	121	103	112	100	119	118
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		117	121	104	112	108	105	111		111	107	115	110	115	110	106	120	118
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		16	17	17	17	17	20	18		18	18	20	20	20	20	20	21	22
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	0.005	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1060	1060	1020	1020	1040	1000	1050		1050	1050	1040	1040	1050	1060	1050	1100	1080
Cond-Field *(umhos/cm)*		980	897	1021	1040	1055	1017	1055		1057	1057	1075	1111	1088	1104	1148	1092	1088
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.4	0.4	0.3	0.4	0.4	0.3	0.3		0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4
Gross Alpha *(pCi/L)*	GPS (15)	4.9	14	3	13	2.7	2.1	2.1		2.6	2	2	2.1	3	2.3	2.7	2.8	2.4
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1		<1	0.7	0.5	0.2	0.04	0.2	0.1	0.3	0.2
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		10.6	10.4	9.3	9	9.7	9.2	10.4		10	9.6	10.4	10.5	10.8	10.2	9.8	11.5	11.1
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	0.0003	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.07	8.21	8.23	8.37	8.2	8.21	8.25		8.21	8.27	8.28	8.19	8.42	8.16	8.07	8.3	8.26
pH (Field) *(Std. Units)*		7.5	7.9	7.7	8	7.6	7.2	7.3		8.3	8.3	8.3	8.1	8.2	8.1	7.8	8	7.89
Potassium (K)		7.1	7.7	6.4	5.7	6.5	6.4	6.7		6.6	6.3	7.4	6.5	6.9	6.6	6.3	7.9	7.4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	3.3	4.4	3.8	5.3	4	4.2	2.8		3.1	3.8	3.2	2.9	3.1	3.8	3.1	4.1	3.1
Radium 226 *(pCi/L)*		2.4	2.2	2.6	2.8	2.4	2.7	2.1		2.1	2.4	2.3	2.1	2.2	2.2	1.8	2.4	1.9
Radium 228 *(pCi/L)*		0.9	2.2	1.2	2.5	1.6	1.5	0.7		1	1.4	0.9	0.8	0.9	1.6	1.3	1.7	1.2
Radon 222 *(pCi/L)*		--	--	--	--	--	--	--	144 ± 47.8	--	--	--	--	--	--	--	--	--
Selenium (Se)	GPS (.01)	0.01	0.01	0.009	0.01	0.01	0.009	0.009		0.01	0.01	0.011	0.008	0.009	0.009	0.009	0.01	0.009
Silica (SiO2)		<1	1	<1	<1	<1	<1	<1		<1	<1	1.2	<1	<1	<1	1.6	0.8	1.1
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		102	115	88.3	86.2	92.9	92	101		94.3	88.1	106	96.9	103	98.7	95.3	108	99.9
TDS @ 180° *C.*	GPS (500)	761	724	726	722	717	705	778		783	774	743	788	782	770	754	784	805
Sulfate (SO4)		407	409	398	411	408	407	414		422	414	420	425	435	430	417	446	442
Temperature *(C)*		15.7	6.1	18.5	18.2	13.9	10.6	18.6		16.2	14.2	10.7	12.8	21.1	10.9	10.4	19.3	16.5
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	3135	3060	3050	3040	3160	2910	3070		2910	3060	2830	2750	2820	3180	2900	3310	2910
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY														
PIT LAKE														
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	4/8/2013	6/12/2013	8/6/2013	10/1/2013	4/14/2014	6/4/2014	8/12/2014	9/29/2014	10/20/2014	4/15/2015	6/8/2015	8/11/2015	11/3/2015
TDS A/C Balance *(dec. %)*		-0.24	0.453	1.87	-4.73	1.49	0.99	1.51	3.63	1.84	2.4	1.28	1.59	0.11
Alk-CaC03		94	93	93	93	94	93	92	91	90	89	93	85	84
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		115	114	114	113	114	113	113	111	110	109	113	104	
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		119	120	122	110	117	122	116	118	114	109	117	123	120
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		20	20	20	20	20	22	22	22	23	22	22	22	21
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1070	1100	1120	1090	1090	1100	1120	1120	1120	1120	1120	1160	1130
Cond-Field *(umhos/cm)*		1213	1129	1177	1146	1185	1102	1127	1130	1144	1137	1191	1128	1163
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.3
Gross Alpha *(pCi/L)*	GPS (15)	2.9	2.9	2.9	2	2.8	2.1	2.1	2.9	3.2	8.8	3.2	3.1	8.1
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	0.7	-0.4	-0.3	-0.04	-0.4	-0.1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		11.4	11.2	11.6	10	11.4	12	11.3	11.3	11.1	11	11.3	11.6	11.7
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.13	8.24	8.27	8.13	8.13	8.12	8.27	8.21	8.17	8.03	8.1	8.27	8.06
pH (Field) *(Std. Units)*		7.9	8.1	8.4	8.44	8.8	7	8.3	8.39	8.24	8.17	8.45	8.4	8.3
Potassium (K)		7.1	7.4	7.6	7.6	7.5	7.2	7.6	7.5	7.2	6.9	7.1	7.6	7.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	2.4	4.7	2.2	2.7	2.7	3.1	2.7	3.4	3.7	3.3	2.5	2.7	3.8
Radium 226 *(pCi/L)*		2.4	2	1.9	2	1.9	2.6	2	2.1	2.1	2	2	2.1	2.5
Radium 228 *(pCi/L)*		0	2.7	0.3	0.7	0.8	0.5	0.7	1.3	1.6	1.3	0.5	0.6	1.3
Radon 222 *(pCi/L)*		--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium (Se)	GPS (.01)	0.008	0.008	0.008	0.008	0.007	0.008	0.008	0.007	0.006	0.007	0.007	0.007	0.008
Silica (SiO2)		1.5	1.1	0.9	0.8	1.1	1	0.8	1.2	1.2	1.2	1.1	1	1.3
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		109	111	114	114	113	117	114	110	110	103	109	110	111
TDS @ 180° *C.*	GPS (500)	791	793	826	818	797	793	818	814	809	809	813	824	820
Sulfate (SO4)		451	449	448	469	436	462	469	491	459	439	456	484	464
Temperature *(C)*		5.7	16.3	19.3	15.3	9.1	15.2	18.2	18.1	14.2	7.5	18.3	19.3	12.4
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	-0.006	0.1	0.08	0.05	0.05	0.06
Uranium, natural *(pCi/L)*	GPS (36)	3080	3020	3260	3120	2970	3190	3120	2950	2970	2810	3100	2830	2950
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01

Tailings Impoundment Fluid Levels

		WATER
		LEVEL
DATE	DATE	OF POND
		(Ft)
Apr-87	04/14/87	6639.52
Apr-87	04/27/87	6639.20
May-87	05/05/87	6638.95
May-87	05/11/87	6638.84
Jun-87	06/23/87	6638.32
Jul-87	07/06/87	6637.95
Jul-87	07/13/87	6637.98
Aug-87	08/03/87	6637.31
Aug-87	08/24/87	6636.96
Aug-87	08/30/87	6637.13
Sep-87	09/08/87	6637.05
Sep-87	09/21/87	6636.66
Sep-87	09/30/87	6636.51
Oct-87	10/12/87	6636.12
Nov-87	11/19/87	6636.32
Jun-88	06/07/88	6635.04
Jun-88	06/13/88	6635.16
Jun-88	06/28/88	6634.62
Jul-88	07/11/88	6634.14
Jul-88	07/25/88	6633.70
Aug-88	08/01/88	6633.44
Aug-88	08/08/88	6633.27
Aug-88	08/22/88	6633.02
Aug-88	08/30/88	6632.91
Sep-88	09/05/88	6632.50
Sep-88	09/30/88	6632.40
Oct-88	10/10/88	6632.37
Oct-88	10/31/88	6632.03
Apr-89	04/03/89	6632.45
Apr-89	04/17/89	6632.54
May-89	05/01/89	6631.88
Jun-89	06/01/89	6631.52
Jun-89	06/19/89	6630.83
Jun-89	06/26/89	6630.87
Jul-89	07/14/89	6630.49
Jul-89	07/24/89	6630.16
Aug-89	08/22/89	6629.60
Aug-89	08/28/89	6629.54
Sep-89	09/25/89	6629.02
Nov-89	11/20/89	6628.96
Mar-90	03/29/90	6629.27
Apr-90	04/10/90	6630.45
Apr-90	04/23/90	6629.67
May-90	05/02/90	6629.54
Jun-90	06/11/90	6628.71
Jul-90	07/02/90	6629.29
Jul-90	07/24/90	6628.83
Oct-90	10/08/90	6627.85
Nov-90	11/11/90	6626.58
Apr-91	04/07/91	6627.70
Jul-91	07/02/91	6626.55
Aug-91	08/14/91	6625.90
Sep-91	09/05/91	6625.06
Oct-91	10/07/91	6624.55
Apr-92	04/28/92	6626.10
May-92	05/26/92	6625.30
Sep-92	09/14/92	6623.62
Nov-92	11/05/92	6622.20
May-93	05/04/93	6623.58
Jun-93	06/30/93	6623.33
Aug-93	08/18/93	6621.25
Oct-93	10/11/93	6621.05
Jun-94	06/06/94	6620.90
Jul-94	07/05/94	6620.70
Sep-94	09/21/94	6619.40
Oct-94	10/10/94	6618.90
Apr-95	04/05/95	6620.20
May-95	05/01/95	6620.30
Jun-95	06/28/95	6621.10
Jul-95	07/31/95	6620.34
Sep-95	09/01/95	6619.42
Oct-95	10/03/95	6619.15

Tailings Impoundment Fluid Levels

		WATER
		LEVEL
DATE	DATE	OF POND
		(Ft)
May-96	05/13/96	6620.60
Jun-96	06/14/96	6620.90
Aug-96	08/09/96	6618.80
Sep-96	09/11/96	6618.20
Oct-96	10/03/96	6617.90
Apr-97	04/18/97	6619.40
May-97	05/29/97	6621.00
Jun-97	06/11/97	6619.00
Jun-97	06/25/97	6618.54
Jul-97	07/02/97	6618.22
Jul-97	07/09/97	6617.97
Jul-97	07/16/97	6617.80
Jul-97	07/30/97	6617.25
Aug-97	08/04/97	6617.36
Aug-97	08/11/97	6617.30
Aug-97	08/18/97	6617.66
Aug-97	08/26/97	6617.55
Sep-97	09/02/97	6617.40
Sep-97	09/08/97	6617.17
Sep-97	09/18/97	6616.93
Sep-97	09/29/97	6617.06
Oct-97	10/09/97	6616.90
Oct-97	10/16/97	6616.80
May-98	05/14/98	6619.12
Jun-98	06/22/98	6618.55
Jul-98	07/01/98	6618.30
Jul-98	07/14/98	6617.76
Jul-98	07/27/98	6617.84
Aug-98	08/11/98	6617.30
Sep-98	09/14/98	6616.55
Mar-99	03/17/99	6617.90
Apr-99	***04/19/99**	6620.15
Apr-99	04/27/99	6620.39
May-99	05/20/99	6620.65
May-99	05/27/99	6620.45
Jun-99	06/03/99	6620.15
Jun-99	06/17/99	6619.35
Jun-99	06/30/99	6618.55
Jul-99	07/08/99	6618.02
Jul-99	07/27/99	6616.96
Jul-99	***07/28/99**	6617.09
Aug-99	08/11/99	6616.64
Aug-99	08/23/99	6615.93
Sep-99	09/15/99	6615.42
Sep-99	09/23/99	6615.38
Sep-99	09/29/99	6615.38
Oct-99	10/06/99	6615.19
Oct-99	10/22/99	6614.48
Nov-99	11/17/99	6614.56
Apr-00	04/06/00	6617.60
May-00	05/04/00	6616.00
May-00	05/24/00	6615.76
Jun-00	06/07/00	6615.65
Jun-00	06/29/00	6615.62
Jun-00	06/30/00	6615.62
Jul-00	07/03/00	6615.07
Jul-00	07/13/00	6614.47
Jul-00	07/24/00	6614.67
Aug-00	08/08/00	6613.90
Oct-00	***10/2/00**	6611.65
Oct-00	10/09/00	6610.94
Nov-00	11/09/00	6610.80
Apr-01	04/03/01	6617.80
Apr-01	04/15/01	6615.40
Apr-01	04/20/01	6618.10
May-01	05/16/01	6615.20
Jun-01	06/26/01	6614.60
Jul-01	07/18/01	6614.30
Aug-01	08/16/01	6613.70
Sep-01	09/17/01	6612.40
Oct-01	10/11/01	6611.80
Nov-01	11/19/01	6611.40

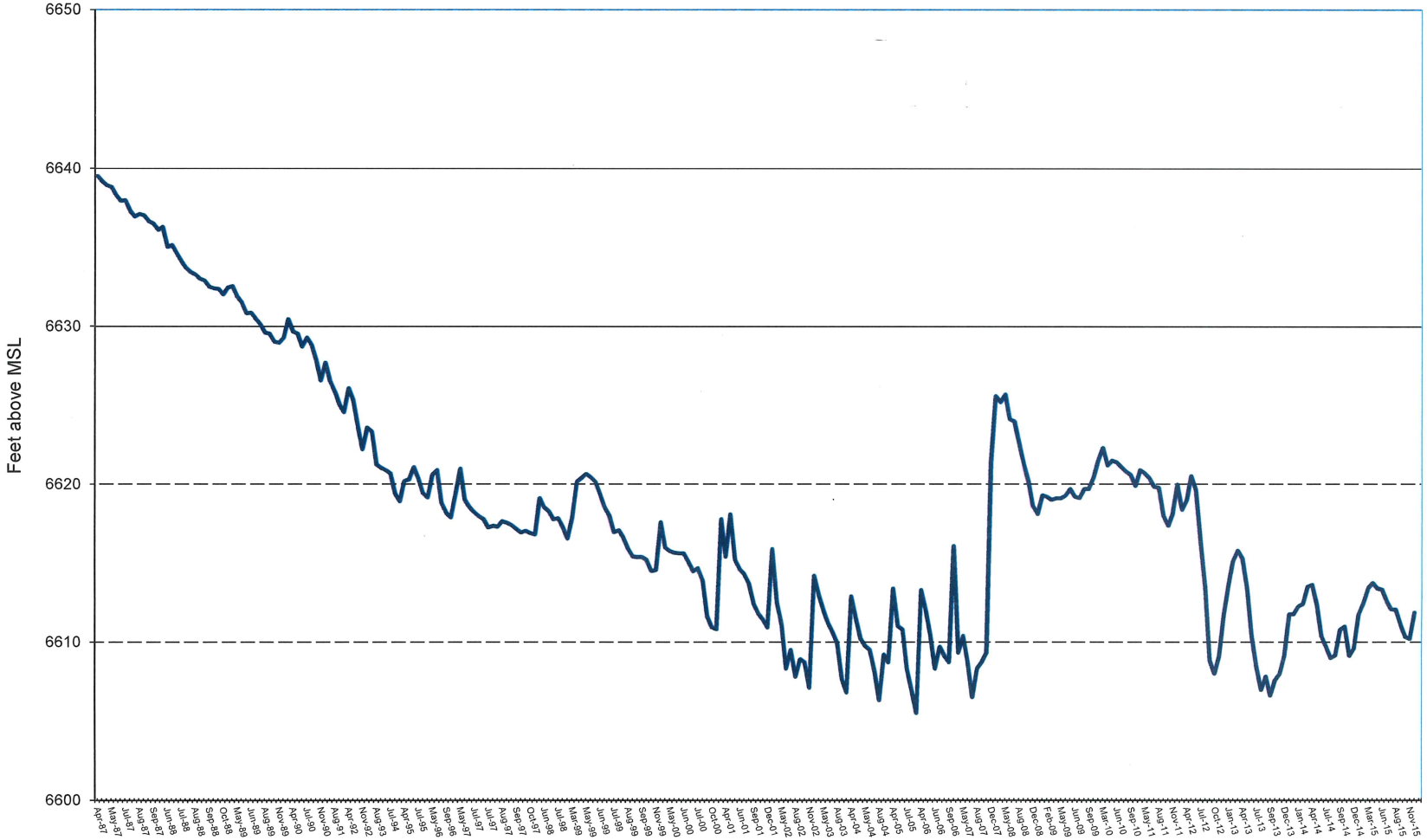
Tailings Impoundment Fluid Levels

		WATER
		LEVEL
DATE	DATE	OF POND
		(Ft)
Dec-01	12/22/01	6610.90
Apr-02	04/08/02	6615.90
May-02	05/13/02	6612.50
May-02	05/23/02	6611.10
Jun-02	06/20/02	6608.30
Jul-02	07/23/02	6609.50
Aug-02	08/19/02	6607.80
Sep-02	09/11/02	6608.90
Oct-02	10/08/02	6608.70
Nov-02	11/05/02	6607.10
April-03	04/17/03	6614.20
May-03	05/07/03	6613.00
May-03	05/14/03	6612.00
Jun-03	06/23/03	6611.20
Jul-03	07/14/03	6610.60
Aug-03	08/07/03	6609.90
Sep-03	09/10/03	6607.60
Oct-03	10/06/03	6606.80
Apr-04	04/05/04	6612.90
Apr-04	04/12/04	6611.50
Apr-04	04/21/04	6610.20
May-04	05/27/04	6609.75
Jun-04	06/17/04	6609.50
Jul-04	07/22/04	6608.20
Aug-04	08/11/04	6606.30
Sep-04	09/14/04	6609.20
Oct-04	10/14/04	6608.70
Apr-05	04/06/05	6613.40
May-05	05/10/05	6611.00
Jun-05	06/02/05	6610.80
Jul-05	07/15/05	6608.30
Aug-05	08/17/05	6606.95
Sep-05	09/20/05	6605.50
Apr-06	04/04/06	6613.30
Apr-06	04/25/06	6612.00
May-06	05/24/06	6610.50
Jun-06	06/26/06	6608.30
Jul-06	07/27/06	6609.70
Aug-06	08/23/06	6609.10
Sep-06	09/19/06	6608.70
Mar-07	03/13/07	6616.10
Apr-07	04/20/07	6609.30
May-07	05/29/07	6610.40
Jun-07	06/21/07	6608.70
Jul-07	07/25/07	6606.50
Aug-07	08/27/07	6608.30
Sep-07	09/24/07	6608.70
Oct-07	10/16/07	6609.30
Dec-07	12/14/07	6621.36
Mar-08	03/31/08	6625.60
Apr-08	04/14/08	6625.20
May-08	05/30/08	6625.70
Jun-08	06/27/08	6624.10
Jul-08	07/31/08	6624.00
Aug-08	08/29/08	6622.56
Oct-08	10/03/08	6621.30
Oct-08	10/31/08	6620.21
Dec-08	12/01/08	6618.61
Dec-08	12/29/08	6618.11
Jan-09	01/19/09	6619.30
Feb-09	02/25/09	6619.20
Mar-09	03/31/09	6619.00
Apr-09	04/30/08	6619.10
May-09	05/12/09	6619.10
May-09	05/18/09	6619.30
Jun-09	06/09/09	6619.70
Jun-09	06/18/09	6619.20
Jul-09	07/27/09	6619.12
Aug-09	08/31/09	6619.70
Sep-09	09/30/09	6619.70
Oct-09	10/27/09	6620.40
Feb-10	02/15/10	6621.50

Tailings Impoundment Fluid Levels

		WATER
		LEVEL
DATE	DATE	OF POND
		(Ft)
Mar-10	03/15/10	6622.30
Apr-10	04/13/10	6621.20
May-10	05/20/10	6621.50
Jun-10	06/24/10	6621.40
Jul-10	07/24/10	6621.10
Aug-10	08/09/10	6620.80
Sep-10	09/15/10	6620.60
Oct-10	10/21/10	6619.90
Apr-11	04/07/11	6620.90
May-11	05/23/11	6620.70
Jun-11	06/22/11	6620.40
Jul-11	07/25/11	6619.83
Aug-11	08/08/11	6619.78
Sep-11	09/08/11	6617.98
Oct-11	10/03/11	6617.36
Nov-11	11/16/11	6618.12
Mar-12	03/14/12	6619.99
Mar-12	03/27/12	6618.37
Apr-12	04/16/12	6618.97
May-12	05/23/12	6620.51
Jun-12	06/19/12	6619.64
Jul-12	07/23/12	6616.34
Aug-12	08/23/12	6613.44
Sep-12	09/17/12	6608.84
Oct-12	10/09/12	6608.00
Nov-12	11/07/12	6609.08
Dec-12	12/05/12	6611.73
Jan-13	01/22/13	6613.62
Feb-13	02/27/13	6615.13
Mar-13	03/25/13	6615.79
Apr-13	04/29/13	6615.29
May-13	05/22/13	6613.36
Jun-13	06/17/13	6610.40
Jul-13	07/17/03	6608.45
Jul-13	07/26/13	6606.97
Aug-13	08/19/13	6607.81
Sep-13	09/04/13	6606.61
Oct-13	10/08/13	6607.58
Nov-13	11/04/13	6607.97
Dec-13	12/3/2013	6609.10
Dec-13	12/3/2013	6611.75
Jan-14	1/14/2014	6611.75
Jan-14	1/1/3014	6612.25
Feb-14	2/10/2014	6612.41
Mar-14	3/13/2014	6613.51
Apr-14	4/14/2014	6613.62
May-14	5/1/2014	6612.39
Jun-14	06/09/14	6610.34
Jul-14	07/09/14	6609.67
Jul-14	07/29/14	6608.97
Aug-14	08/26/14	6609.16
Sep-14	09/15/24	6610.78
Oct-14	10/14/14	6610.97
Nov-14	11/17/2014	6609.11
Dec-14	12/2/2014	6609.58
Jan-15	1/15/2015	6611.76
Feb-15	2/9/2015	6612.47
Mar-15	3/18/2015	6613.41
Apr-15	4/28/2015	6613.74
May-15	5/20/2015	6613.39
Jun-15	06/02/15	6613.32
Jul-15	07/15/15	6612.58
Jul-15	07/30/15	6612.07
Aug-15	08/18/15	6612.05
Sep-15	09/02/15	6611.13
Oct-15	10/15/15	6610.33
Nov-15	11/09/15	6610.19
Dec-15	12/16/15	6611.87

KENNECOTT URANIUM COMPANY
SweetwaterTailings Impoundment Fluid Levels
April 14, 1987 through October 15, 2015



Notes:
- Pool elevation measured by surveying fluid elevation in pool in impoundment's southeast corner.
- Rise in pool elevation due to changes in size/configuration of pool caused by ongoing tailings regrading work.

KENNECOTT URANIUM COMPANY		CGL = Chemical & Geological Laboratories				ELI = Energy Laboratories, Inc.									*Revised*							
SWEETWATER TAILINGS CELL		CLI = Core Laboratories, Inc.				MEC = Minerals Exploration Company									*08/22/97*							
Surface Water Analysis																						
WYDEQ III Livestock Standard		1980	1981	1983	1984	1985	1986		1987	1988	1989	1990	1991	1992			1993		1994		1995	1996
	Std	12/30/80	12/17/81	8/16/83	6/4/84	8/1/85	4/11/86	7/10/86	7/6/87	7/12/88	3/29/89	6/12/90	10/31/91	4/14/92	8/11/92	10/22/92	7/1/93	9/23/93	3/24/94	7/28/94	3/31/95	6/22/96
FIELD DATA mg/l:		(CGL)	(MEC)	(CGL)	(CLI)	(CLI)	(CLI)	(CLI)	(CLI)	(CLI)												
Temperature (C)			5					16.8	18.6	18.5	6.2	13.8				11.3	18.6	15.8	3.2	21.3	2	17.1
pH (Std. Units)			0.9					1.76	1.72	2.16	2.18	2.19				2.4	2.2	2.1	3	2.4	2.33	2.53
Cond (umho/cm)			15800					11300	9200	8009	3560	5290				13930	12450	13140	14700	12510	11310	13400
TDS								1000+	1000+	1000+	1000+	1000+				6980	6180	6590	8010	6210	5650	6690
MAJOR IONS mg/l:																						
Acidity, Total as CaCO3																						
Alk-CaC03		0	50	0	-5	0	-1	0	1	-1	0	0	0	0	0	0	0	0	0	0	0	0
Bicarbonate (HCO3)		0		0	-1	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0
Calcium (Ca)		158	126.7	370	420	472	519	502	497	510	320	478	580	588	726	529	445	449	423	421	348	707
Carbonate (CO3)		0		0	-1	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0
Chloride (Cl)	**2000**	28	39.5	160	200	140	215	183	200	244	139	479	551	538	49.4	532	460	558	661	579	445	628
Fluoride (F)		0.45	0.5	0.09	0.22	8	5.4	0.3	14.5	11.9	-0.1	-0.1	0.1	84.7	-0.1	0.18	-0.1	0.11	0.13	0.1	0.12	26.5
Magnesium (Mg)		10		164	192	230	125	310	350	220	220	513	566	580	632	699	548	729	578	810	761	1010
Nitrate-N (NO2)	**10**	0.11	ND	23.33	17.5	29.3	11.6	25	24	0.5	1.12	5.09	-0.01	146	97.1	-0.1	-0.1	0.2	2.7	0.14	0.27	0.3
Potassium (K)		3	1.4	42	44	45	96	53	61	63	29	41.2	10.8	14.3	9.17	5	2.9	0.9	1	1.1	0.87	0.7
Silica (SiO2)		18.6	186.4	496	556	527	523	435	43	79	364	618	681	745	393	631	554	615	476	495	338	364
Sodium (Na)		337	99.8	166	184	225	232	283	258	302	180	596	680	683	777	669	465	663	682	627	541	870
Sulfate (SO4)	**3000**	1090	9529	7400	6200	9200	8880	10400	10400	12600	5743	12760	14084	13850	13300	14793	10701	12976	12145	13539	11000	14281
NON-METALS:																						
Cyanide (CN)											-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:																						
Cond (umho/cm)		3075	15800	11000	10870	10830	11360	11800			7872	13611	13752	1420	12449	13115	12560	13928	14313	13085	11823	12495
pH (units)	**-2**	2.3	0.9	1.4	1.8	1.7	1.82	1.9			2.3	1.97	2.57	2.23	2.24	2.34	2.58	2.46	2.43	2.48	2.7	2.55
TDS @ 180°	**5000**	1322	12958	9640	10580	14178	13990	14100	14700	16600	8464	19352	20408	21061	19300	21140	15441	17532	16887	17665	14566	19167
TRACE METALS mg/l:																						
Aluminum (Al)	**5**	15.7	151.4	312	360	375	378		423	567	320	485	818	874	979	906	676	854	863	912	800	920
Arsenic (As)	**0.2**	-0.01	0.288	0.78	0.326	0.18	0.23	0.36	0.126	0.447	0.223	0.41	0.26	0.46	0.4	0.02	0.14	0.16	0.12	0.114	0.099	0.097
Barium (Ba)					0.052	0.01	0.01				-0.1	-0.1	-0.1	-0.1	0.37	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Beryllium (Be)											0.16	0.24	0.23	0.23	-0.01	0.26	0.23	-0.01	0.31	0.22	0.19	0.3
Boron (B)	**5**	-1	0	0.19	0.13	0.15	-0.1	-0.1	3	0.75	-0.1	0.1	0.13	-0.1	0.15	-0.1	3.98	4.5	3.08	1.9	0.78	-0.1
Cadmium (Cd)	**0.05**	-0.01	-0.005	0.02	-0.01	0.23	-0.01	0.03	0.05		-0.005	0.024	0.093	-0.005	0.021	-0.005	-0.005	-0.005	-0.005	-0.01	0.07	0.11
Chromium (Cr)	**0.05**	0.06	1.7	3.59	-0.05	1.7	3.1	0.56	2.48	35	1.5	2.45	3.65	2.86	3.79	3.36	3.75	3.3	3.08	2.25	2.52	3.21
Cobalt (Co)	**1**														2.085	1.78	2.55	6.65	2.45	-	1.47	2.19
Copper (Cu)	**0.5**	0.04	0.9	1.09	0.86	1.1	1.1	1.2	1.5	1.46	0.76	1.31	2.11	2.28	2.79	2.41	2.48	2.82	1.73	1.83	1.88	2.55
Iron (Fe)		32.5		898	836	815	830	750	1290	1550		1297	1676	1703	638	1540	1256	1478	1125	991	840	874
Lead (Pb)	**0.1**	-0.05	0.8	0.66	0.48	0.33	0.49	0.42	-0.05	0.4	0.05	0.11	0.39	-0.01	-0.01	-0.01	-0.01	0.41	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)		0.82	23.2	19	26.9	26	26.6	27.7	30	48.7	22	46.2	74.87	62.9	83.9	72.2	66.7	76	65.4	63.1	62.2	82.4
Mercury (Hg)	**0.005**	-0.0010	-0.0050	-0.0004	-0.0004	0.0004	0.0043	-0.0004	-0.0004	-0.0004	-0.0010	-0.0010	-0.0020	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.1	0.1	-0.1	-0.1	-0.02	-0.02	-0.02	0.3	-0.5	-0.01	0.01	0.04	0.11	0.33	-0.01	-0.01	-0.01	-0.01	-0.1	-0.01	-0.01
Nickel (Ni)		0.07	1.3	1.91	0.93	1.1	1.2	1.2	1.8	2.33	1.1	2.68	3.93	3.69	5.08	4.14	4.95	5.73	4.35	4.06	3.6	5.37
Selenium (Se)	**0.05**	-0.01	0.032	0.02	0.012	0.009	0.029	0.023	0.002	0.424	0.262	0.531	0.44	0.614	0.426	0.62	0.608	0.618	0.385	0.847	0.349	0.608
Silver (Ag)						-0.02	-0.02				-0.01	0.01	0.02	2.05	-0.01	0.12	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Thallium (Tl)											-0.015	0.49	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.01
Vanadium (V205)	**0.1**	0.41	2.8	2.91	2.72	3.1	4.3	4.7	7.6	9.64	2.5	2.04	2.06	2.05	2.38	1.93	2.1	1.89	1.5	1.2	1.14	1.37
Zinc (ZN)	**25**	1.11	31	1.7	1.72	3.1	2.1	2.2	3	4	1.9	4.03	6.02	5.72	7.02	6.45	6.38	7.71	6.67	5.95	5.9	0.79
RADIOMETRIC pCi/l:																						
Uranium, natural	**3385**	3012.7	3100.1	3046.5	3047	44	2006	2832	5416	4690 (0.2)	2269	8023	7777 (0.2)	7212	8480	6177	9030	10507	9864	10311	9242	8973
Radium 226		114	99.14	102	59	11.2	41.9	25	13	12.7	303	439	126	70.1	74.4	54.7	38.1	40.4	53.9	112	25.7	55.3
Radium 226 Error Estimate		3	2.09	12	2	0.5	9	5.1	0.8	1	8.3	9.6	4.4	2.9	7.6	2.5	3.1	1.8	3.3	6	2.1	1.9
Radium 228											15.1	-1	15.8	1.8	4.2	5.8	9	3.5	9.6	7.6	-1	6.7
Radium 228 Error Estimate											+/- 2.0		+/- 2.1	+/- 0.7	+/- 0.9	+/- 0.7	+/- 2.9	+/- 0.9	+/- 9.4	+/- 5.4		+/- 0.5
Combined Ra226/228	**5**										318.1	439	141.8	71.9	78.6	60.5	47.1	43.9	63.5	119.6	25.7	62
Radon 222																						
Radon 222 precision (±)																						
Thorium 230		1.24	3035	864	23567	6857	18461	39334	11000	15200	11521	2831	2820	19310	18700	5487	9880	3266	650	4136	28217	7550
Thorium-230 Error Estimate		+/- 68	+/- 6.93	+/- 1195	+/- 1717	+/- 68		+/- 337	+/- 77	+/- 105	+/- 195	+/- 45.1	+/- 14	+/- 105	+/- 119	+/- 44	+/- 104	+/- 54	+/- 403	+/- 371	+/- 623	+/- 160
Lead (Pb210)		394	1541	513	2850	2598.6	2134	1890	1440	2	76.9	90.9	-1	6.3	5.4	5	-1	-1	3.5	9	1.8	7.9
Lead 210 Error Estimate		+/- 20	+/- 37	+/- 5	+/- 52	+/- 160	+/- 8	+/- 124	+/- 89	+/- 1.1	+/- 5.3	+/- 8.7		+/- 0.8	+/- 3.8	+/- 0.7			+/- 2.1	+/- 8.1	+/- 1.1	+/- 0.9
Polonium (Po210)		64	361	640	1581	476	176	782	1.8	17.5												
Polonium 210 Error Estimate		+/- 11	+/- 25	+/- 7	+/- 40	+/- 8	+/- 14	+/- 29	+/- 0.6	+/- 1.1												
Gross Alpha	**15**										14093	3325	3000	20000	27300	5541	9919	3312	718	4276	28244	16600
Gross Alpha Error Estimate											+/- 119	+/- 58	+/- 55	+/- 400	+/- 165	+/- 74.4	+/-99	+/- 58	+/- 26.8	+/- 22	+/- 168	+/- 130
QUALITY ASSURANCE DATA:																						
A/C Balance (±5) %				51.4	49.1	57.86	12.69					1.115	0.964	1.033	1.13	1.037	1.064	0.999	1.044	1	1.02	1.02
(Energy Labs Inc unless noted)																						

KENNECOTT URANIUM COMPANY																				
SWEETWATER TAILINGS CELL																				
Surface Water Analysis																				
WYDEQ III Livestock Standard		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Std	6/3/97	6/2/98	6/2/99	6/6/00	6/5/01	6/12/02	6/4/03	6/15/04	6/7/05	6/6/06	6/4/07	5/13/08	6/9/09	6/7/10	6/7/11	4/16/12	5/20/13	6/4/14	6/2/15
FIELD DATA mg/l:																				
Temperature (C)		18	14	14	16	10	12	14	16	14	27.2	4	4.2	12.3	14.8	16	8.3	13.9	18.1	19
pH (Std. Units)			2.8	2.8	2.7	2.8	2.8	2.8	16.2	2.1	2.78	3.34	3.1	7.8	2.8	3.2	3	3.5	3.4	3.39
Cond (umho/cm)		11200	11600	13000	9000	1200	9600	10400	9000	8000	12550	10140	9860	11610	10950	12170	9130	5800	10160	10880
TDS																				
MAJOR IONS mg/l:																				
Acidity, Total as CaCO3																			3080	
Alk-CaC03		0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-5	-5	-5
Bicarbonate (HCO3)		0	-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-5	-5	-5
Calcium (Ca)		389	378	431	410	469	410	459	470	436	501	549	486	436	419	447	406	456	477	397
Carbonate (CO3)		0	-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-5	-5	-5
Chloride (Cl)	**2000**	502	503	574	607	610	680	678	820	651	683	649	695	786	704	828	754	644	699	730
Fluoride (F)		24	24.1	25.1	30.4	36.5	42.4	43.7	38.4	16	44.9	13.5	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2
Magnesium (Mg)		880	830	880	931	1130	992	1130	1300	1140	1290	1110	1080	1040	827	952	931	856	862	836
Nitrate-N (NO2)	**10**	1.86	0.14	1.1	0.83	0.67	0.4	2.4	0.17	-0.1	0.3	0.5	0.3	0.3	0.6	-0.1	0.3	0.1	0.1	0.1
Potassium (K)		1.03	1	1.9	0.5	0.7	-1	1.5	1	-0.5	1.4	5.3	5.9	5	3.9	4.4	3.8	7.3	7.9	7.1
Silica (SiO2)		252	237	232	188	175	151	138	130	119	117	105	48	103	77.4	167	76.3	81.6	92.3	78.7
Sodium (Na)		606	607	651	657	733	724	801	810	726	725	743	829	998	846	1060	872	868	899	846
Sulfate (SO4)	**3000**	13120	12300	12200	11500	13100	12500	13400	14000	12500	13500	10300	9950	10600	8670	10600	9430	8240	8710	8320
NON-METALS:																				
Cyanide (CN)		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:																				
Cond (umho/cm)		11800	12600	12900	14300	14000	14200	14100	14100	13600	13200	11500	12100	12700	10800	11700	11300	10700	10700	10900
pH (units)	**-2**	2.61	2.82	2.81	2.83	2.81	2.83	2.88	2.95	2.94	3.09	3.37	3.55	3.01	3.19	3.16	3.1	3.49	3.47	3.36
TDS @ 180°	**5000**	15900	18700	18600	19900	19400	20400	20100	21000	19100	18100	13600	14800	15200	12900	13900	13300	12300	12000	12200
TRACE METALS mg/l:																				
Aluminum (Al)	**5**	974	1000	1150	916	1220	1150	1250	1300	1230	1060	554	495	495	508	533	496	405	427	414
Arsenic (As)	**0.2**	0.068	0.081	0.073	0.078	0.039	0.036	0.023	0.06	0.027	0.019	0.012	0.017	0.009	0.017	0.037	0.014	0.011	0.011	0.014
Barium (Ba)		-0.1	-0.1	-0.1	0.89	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.1	-0.1	-0.1
Beryllium (Be)		0.24	0.24	0.26	0.27	0.2	0.32	0.18	0.25	0.33	0.35	0.2	0.18	0.15	0.17	0.34	0.15	0.15	0.13	0.14
Boron (B)	**5**	0.56	-0.1	0.75	-0.1	0.5	0.63	-0.22	-0.1	0.3	0.4	0.4	0.4	-0.1	-0.1	0.4	0.2	0.5	0.2	0.2
Cadmium (Cd)	**0.05**	0.028	0.022	0.02	0.038	0.019	0.034	0.02	0.03	0.019	0.017	0.014	0.028	0.018	0.014	0.024	0.008	0.017	0.017	0.007
Chromium (Cr)	**0.05**	2.38	2.12	2.23	2.35	1.83	2.47	1.31	2	1.7	1.44	0.55	0.24	0.31	0.25	0.44	0.19	0.18	0.16	0.13
Cobalt (Co)	**1**	1.83	2.47	1.69	2.07	1.95	2.78	1.87	3	2.63	2.96	2.09	2.21	2.03	2.13	2.2	1.87	1.83	1.67	1.62
Copper (Cu)	**0.5**	2	1.93	1.8	2.03	1.54	2.04	1.76	1.9	1.64	1.54	0.58	0.44	0.49	0.43	0.71	0.3	0.26	0.18	0.13
Iron (Fe)		722	573	418	348	313	250	232	230	139	115	59.5	135	134	108	171	174	300	265	240
Lead (Pb)	**0.1**	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)		80	76	78.6	79.5	61.7	94	70.4	110	84.4	94.4	67.4	79.6	80.2	67.8	72.1	64.7	60.9	60	51.3
Mercury (Hg)	**0.005**	-0.0002	-0.0002	-0.0002	0.0006	-0.0002	0.0005	-0.0004	0.0005	-0.0002	-0.0002	-0.0002	-0.0004	-0.0004	-0.0002	0.0007	-0.0002	-0.0002	0.0008	-0.0002
Molybdenum (Mo)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.04	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Nickel (Ni)		4.3	5.7	4	6.16	4.6	7.01	5.79	7.2	6.8	6.92	4.39	4.97	5.52	4.69	4.89	4.01	3.58	3.56	3.68
Selenium (Se)	**0.05**	0.888	0.655	0.641	0.706	0.591	0.618	0.579	0.24	0.534	0.461	0.414	0.287	0.256	0.198	0.327	0.132	0.101	0.109	0.078
Silver (Ag)		-0.01	-0.01	-0.01	-0.01	-0.01	0.05	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.16	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Vanadium (V205)	**0.1**	1.4	0.87	0.75	0.57	0.4	0.5	0.3	0.2	0.2	0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.1	0.2	0.1
Zinc (ZN)	**25**	6.68	7.48	6.99	7.65	5.8	9.19	11.6	9.5	8.25	7.48	5.72	4.75	6	5.07	5.18	4.47	3.78	3.28	3.68
RADIOMETRIC pCi/l:																				
Uranium, natural	**3385**	8400	10800	11200	12000	12300	12321.4	12000	11000	10300	11100	8530	6350	7980	6420	10900	5660	5740	4940	4180
Radium 226		60.6	45.8	567	83.1	59.8	55.9	69.8	46.2	23.8	1.5	20.2	25.2	10	7.6	5.7	5.3	6.9	8.3	14
Radium 226 Error Estimate		2.6	2	2.3	3	2.3	2.3	2.5	2.2	1.8	0.4	1.7	0.9	0.68	0.55	0.61	0.52	0.71	0.88	2.8
Radium 228		-1	1.9	2.9	3.6	1.9	-1	-1	-1	-1	8.9	-1	2.3	1.3	1.6	0.8	0.3	1	3.7	1.5
Radium 228 Error Estimate			+/- 1.1	+/- 0.5	+/- 0.2	+/- 1.0					+/-1.1		0.7	0.9	0.8	1	1.1	1.6	2	0.8
Combined Ra226/228	**5**	60.6	47.7	569.9	86.7	61.7	55.9	69.8	46.2	23.8	10.4	20.2	27.5	11.3	9.2	6.5	5.6	7.9	12	15.5
Radon 222																				
Radon 222 precision (±)																				
Thorium 230		4526	6360	2340	11500	9440	3250	1890	2110	1650	1620	671	216	361	283	214	179	99.4	115	92.9
Thorium-230 Error Estimate		+/- 86	+/- 108	+/- 44.1	+/- 212	+/- 78	+/- 30.3	+/-19.7	+/- 34.9	+/-24.3	+/-113	+/-58.2	7.9	71.7	28.5	27.2	30.4	18.6	14.3	17.6
Lead (Pb210)		6.6	-1	5	-1	-1	-2.7	-2.7	-1	-1	-1	-1	1.9	6.2	5.7	1.6	1.1	0.9	2.7	4.6
Lead 210 Error Estimate		+/- 2.3		+/- 1.8									9.6	2.4	6.1	0.9	0.6	0.6	0.8	1.2
Polonium (Po210)										-	-	-	-	-						
Polonium 210 Error Estimate																				
Gross Alpha	**15**	274	300	261	162	149	124	212	222	83.3	127	43.9	83.4	48.8	39.8	8	18.2	15.8	24.8	46.5
Gross Alpha Error Estimate		+/- 9.4	+/- 10.7	+/- 9.9	+/- 6.0	+/- 6.4	+/- 5.0	+/-7.2	+/- 10.9	+/- 5.3	+/-6.0	+/-2.0	3.3	3	2.7	0.8	1.4	1.4	2	9.4
QUALITY ASSURANCE DATA:																				
A/C Balance (±5) %		0.96	1.2	1.2	1.35	1.17	1.19	1.09	1.17	1.22	1.07	1.01	2.66	-1.87	-2.9	-4.96	-3.82	2.87	-1.38	2.92
(Energy Labs Inc unless noted)																				

Appendix 2

2015 Inspection of Diversion Channel

TELESTO
SOLUTIONS • INCORPORATED

June 24, 2015

Via Electronic Mail

Oscar Paulson
Sweetwater Uranium Company
P.O. Box 1500
Rawlins, Wyoming 82301-1500

Subject: 2015 Inspection of Diversion Channel

Dear Oscar:

OVERVIEW AND OBJECTIVE

On May 18, 2015, I inspected the Sweetwater Uranium Project diversion channel, located east of the tailings im poundment. The divers ion channel was designed to divert Battle Spring Draw runoff around the impoundm ent during facility operations and standby. It will be modified, or a new channel constructed, during site reclamation to divert Probable Maximum Precipitation runoff around the tai lings. I have perform ed the annual inspections since 1994, last year excepted, and have documented the characteristics of the diversion channel, observing processes in bed and bank erosion or deposition. The objective of the annual inspection is to dete rmine whether the channel is perform ing as designed and whether any m aintenance is re quired to allow continued functioning as designed. The attached Figure 1 is an aer ial image from Global Mapper from August 2009, depicting th e location of the diversion chann el relative to the tailings impoundment.

The discussion below is organized by five iden tifiable channel reaches observed to have formed within the channel since its construction in 1980. The berm located to the west of the channel is comprised of soil m aterial excavated from the channel. The berm is a stable feature—erosion from the sides of the berm is negligible and native vegetation is growing across the entire berm.

REACH 1

This most upstream reach is about 350 feet in length and is characterized by the deposition of sand on the channe l's bed (see the attached P hotograph 1). The sand is derived from headcutting that has occurred at the entrance to the channel (Photograph 2). The extent of headcutting does not appear to have progressed northward since m y last

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Phoenix, Arizona 85016
602-314-4566

New Mexico Office
1303 Pope Street, Suite A
Silver City, New Mexico 88061
575-538-5620 / 575-538-5625(FAX)

observations in 2013; however, there appears to be slightly more headcutting along the northeast side of the entrance to the diversion channel. The banks of the channel in this reach are stable, with the exception of entrance headcutting at the north and northeast margins of the channel.

REACH 2

The second reach, progressing downstream, is approximately 150 feet in length. Sand from Reach 1 has begun to be transported to the upper portion of Reach 2 (Photograph 3). It has a shallow low-flow channel, approximately 3 to 4 feet in width, which meanders across the channel bottom. This reach has more vegetation on the bed than the first reach, which provides some control against erosion (Photograph 3). The banks in this reach exhibit minor erosion.

REACH 3

This middle reach is about 470' long, has the greatest percentage of channel bed covered by vegetation, and has no observable low flow channel (see Photograph 4). The banks of this reach have two to three specific locations where storm water or snowmelt runoff enters the channel from the side, thus creating some rill erosion with consequent local fan deposition of bank sediments (Photograph 5). These localized influences have little impact on the overall functioning of the channel to convey storm flow.

REACH 4

Reach 4 is about 460 feet in length. It has less bed vegetation than Reaches 2 and 3, and has a shallow low flow channel. A sandstone outcrop is visible along the bed of the diversion channel at the bottom end of the reach (Photograph 6). The bed in the vicinity of the outcrop has not changed over the course of my inspections; it is neither experiencing sedimentation that might bury the outcrop nor is it experiencing erosional scour which would expose more of the outcrop. Reach 4 has experienced some minor rill erosion along the banks where local runoff enters the channel (Photograph 7), as is also the case in Reach 3.

REACH 5

This most downstream reach, about 470 feet in length, begins near the location of the sandstone outcrop. Reach 5 has more grass in its bed and little evidence of a low flow channel (Photograph 8). The bed material is more clayey than elsewhere, which may be evidence of some minor deposition as the channel transitions to its outlet. The banks are shorter in this reach, and exhibit localized, minor rill erosion.

SUMMARY

Bank erosion throughout the length of the diversion channel occurs as localized rilling where runoff flows into the channel. Where bank erosion occurs, a sandy, localized alluvial fan of bank soils deposits on the bed. However, bank erosion effects do not impact the overall functioning of the channel. Larger scale bank erosion, which might produce lateral migration of the channel, is not occurring.

Little evidence of change in the channel's overall form has been observed from the June 2013 inspection to the May 2015 inspection, either in terms of vertical adjustment of the channel bed or in terms of lateral movement of the channel's banks. The diversion channel's capacity has not decreased measurably since its construction, and the channel is expected to continue to operate as designed.

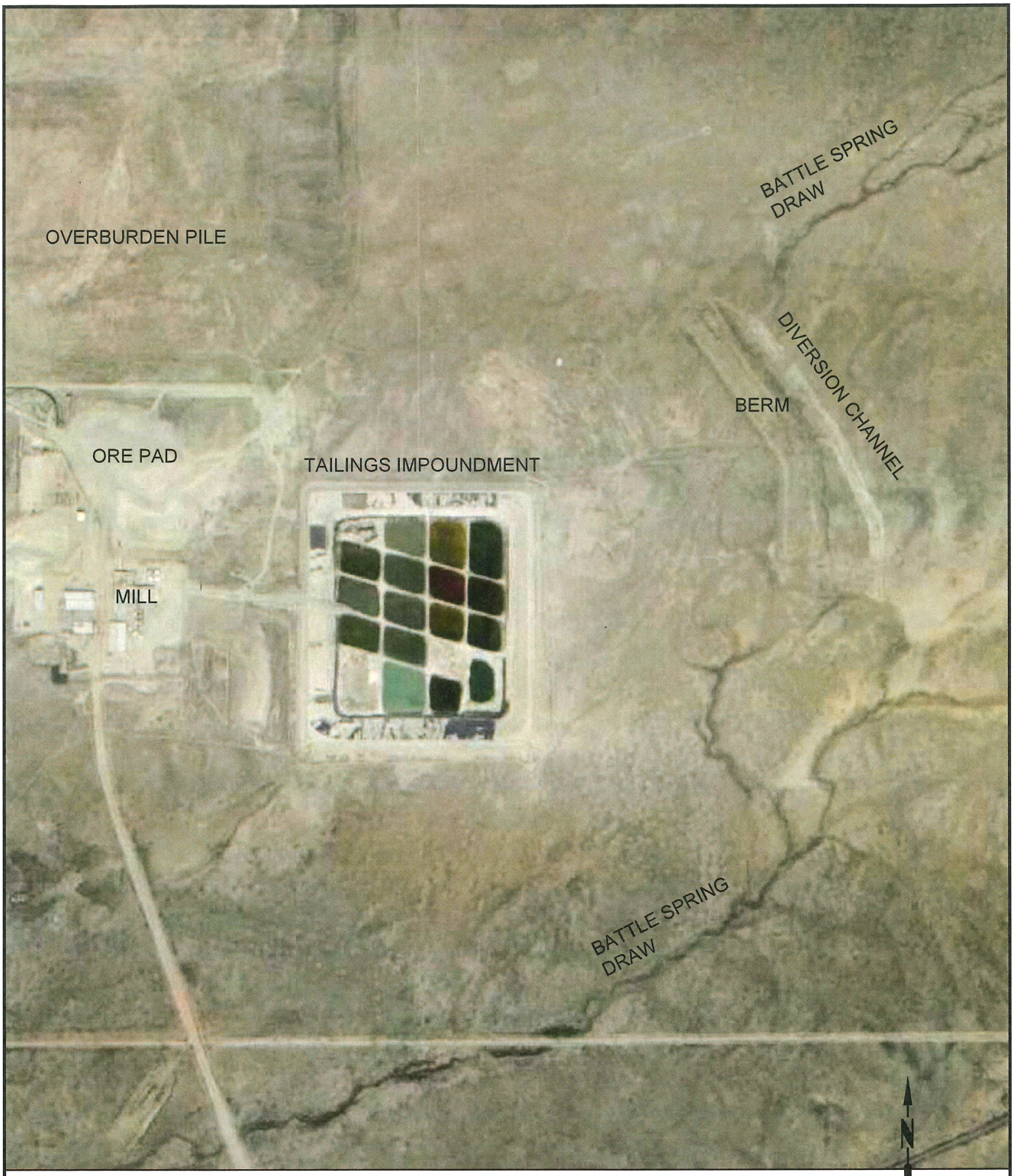
If you have any questions, please do not hesitate to contact me.

Sincerely,
Telesto Solutions, Inc.

Kent Bruxvoort

Kent Bruxvoort
Senior Engineer

KJB



REFERENCE INFORMATION:
AERIAL PHOTO PER GOOGLE
EARTH- JUNE 2014

SCALE IN FEET
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PROJECT:	TASK:
451101	-

PREPARED BY: TELESTO SOLUTIONS INCORPORATED

FIGURE 1
AERIAL IMAGE OF FACILITY (6/2014)

PREPARED FOR: SWEETWATER URANIUM FACILITY

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PROJECT:	TASK:
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PREPARED BY:
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PHOTO 1, REACH 1, BED
PHOTO 2, REACH 1, ENTRANCE

PREPARED FOR:
Rio Tinto

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PROJECT:	TASK:
-	-

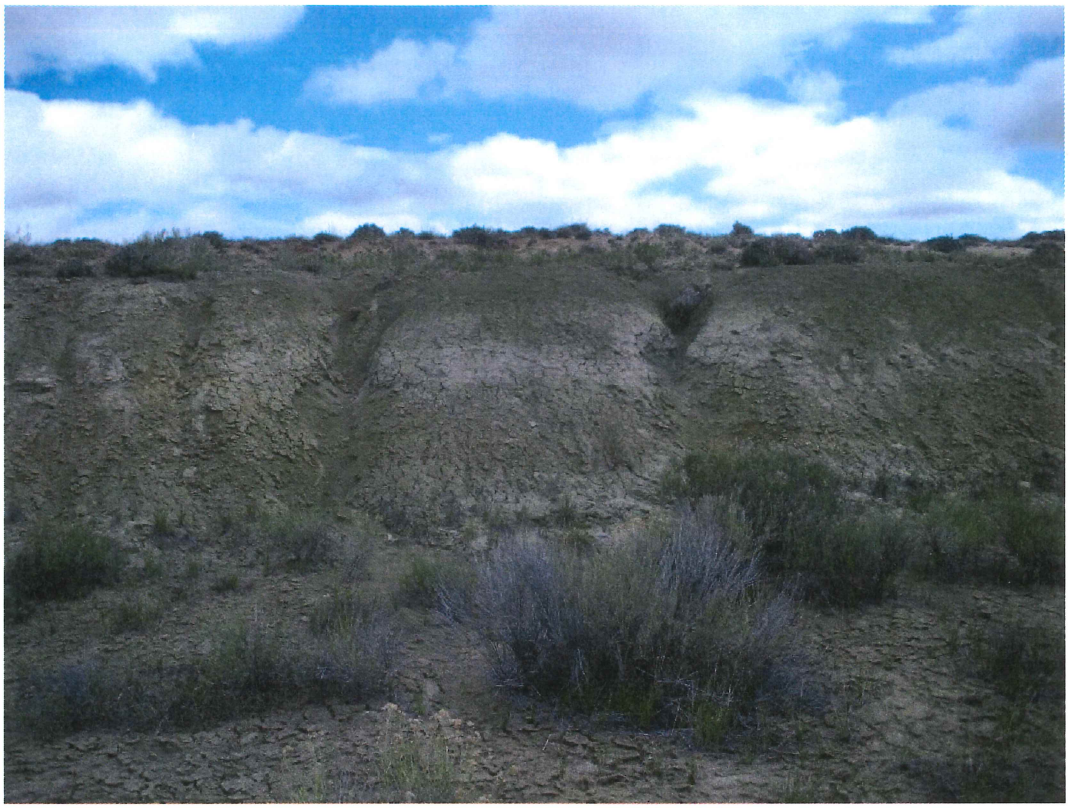
PREPARED BY:

TELESTO SOLUTIONS INCORPORATED

PHOTO 3, REACH 2, BED
PHOTO 4, REACH 3, BED

PREPARED FOR:

Rio Tinto



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PROJECT:	TASK:
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PREPARED BY:

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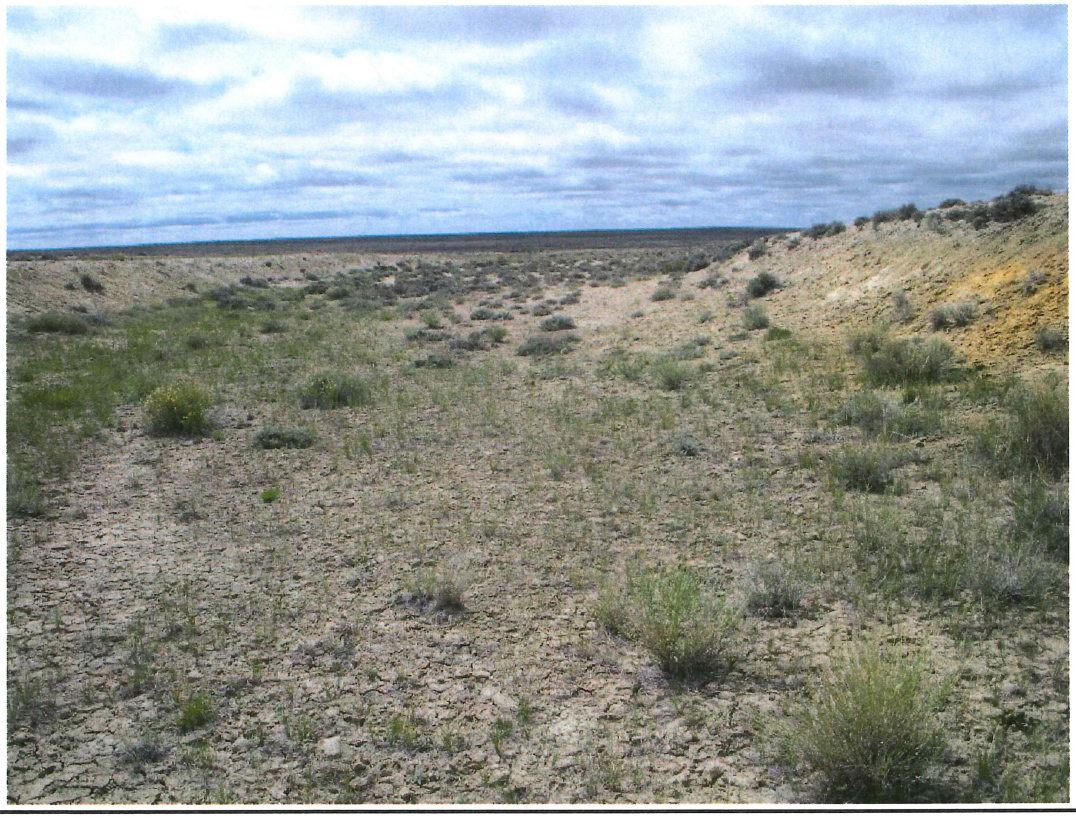
PHOTO 5, REACH 3, BANKS
PHOTO 6, REACH 4, BED

PREPARED FOR:

Rio Tinto



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PROJECT:	TASK:
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PREPARED BY: TELESTO SOLUTIONS INCORPORATED

PHOTO 7, REACH 4, BANKS
PHOTO 8, REACH 5, BED

PREPARED FOR: Rio Tinto

Appendix 3

2015 Inspection of Tailings Impoundment Embankments

TELESTO
SOLUTIONS • INCORPORATED

July 22, 2015

Via Electronic Mail

Oscar Paulson
Sweetwater Uranium Company
P.O. Box 1500
Rawlins, Wyoming 82301-1500

Subject: 2015 Inspection of Tailings Impoundment Embankments

Dear Oscar:

OVERVIEW

On May 18, 2015 I inspected the tailings impoundment embankments at the Sweetwater Uranium Facility, both inside and outside the impoundment. These observations were performed so that any conditions adversely affecting performance of the embankments could be noted. Figure 1 presents a view of the impoundment in an aerial photograph, based on 2014 photography.

EMBANKMENTS OBSERVATIONS

I observed the interior of the embankments by walking along the entire crest. I observed the exterior of the four tailings embankments by driving slowly around its exterior perimeter and walking to those portions of the embankments that required closer observation.

The tailings regrading effort that occurred from 2006 through 2008 lowered the formerly elevated beach portions of the tailings and created a number of evaporation lagoons internal to the impoundment. This resulted in an enhancement of the evaporation of tailings fluid and water from the Battle Spring Aquifer which is being pumped into the impoundment as part of the facility's Corrective Action Program. This effort also resulted in a lowering of the water levels within the impoundment. The native ground elevation at the outside perimeter of the tailings impoundment varies from 6,634 feet above mean sea level at the impoundment's southwest corner to 6,656 feet at its northeast corner. Water levels in the various evaporation lagoons vary from approximately 6,629 in the southwest corner inside the impoundment to approximately 6,632 feet in the north-central portion of the impoundment. The elevation of the free water within pool at the southeast corner of the impoundment on May 20, 2015 was measured at 6,616.42 feet

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New Mexico Office
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575-538-5620 / 575-538-5625(FAX)

(normalized to current datum). Consequently, there is almost no potential for tailings fluid to escape through the embankments, even in the event of a hypothetical, catastrophic failure of an embankment. Figure 2 depicts key elevations within and outside the impoundment.

The embankment ranges in height at its exterior perimeter from about 30 feet at its northeast corner to about 50 feet at its southwest corner. No significant evidence of either settlement or displacement of the embankment was observed during the May 2015 field visit. No erosion of the outer surface of the embankments has occurred that might extend to the crest. Kennecott Uranium Company has annually monitored and repaired as necessary rill erosion along the outside of the embankments.

Photograph 1 was taken of the north embankment, the shortest of the four. Little erosion and no settlement is observable for this embankment. Photographs 2 and 3 show the east embankment, including recent repair of rill erosion as depicted in Photograph 3. Photograph 4 was taken of the south embankment, and depicts the overall acceptable condition of the embankment. Photographs 5 and 6 are of the west embankment, depicting the general acceptable condition of the embankment and specific maintenance performed where necessary.

SUMMARY

In summary, embankment conditions were noted to be of a generally acceptable nature; no conditions of concern were noted in the May 2015 observations. No settlement of the crest was observed. No erosional rilling was observed that would extend to the crest. The extent of rilling should continue to be monitored and repaired at any point at which a rill may extend to the crest. Water levels continue to be maintained at a level below the surrounding ground surface.

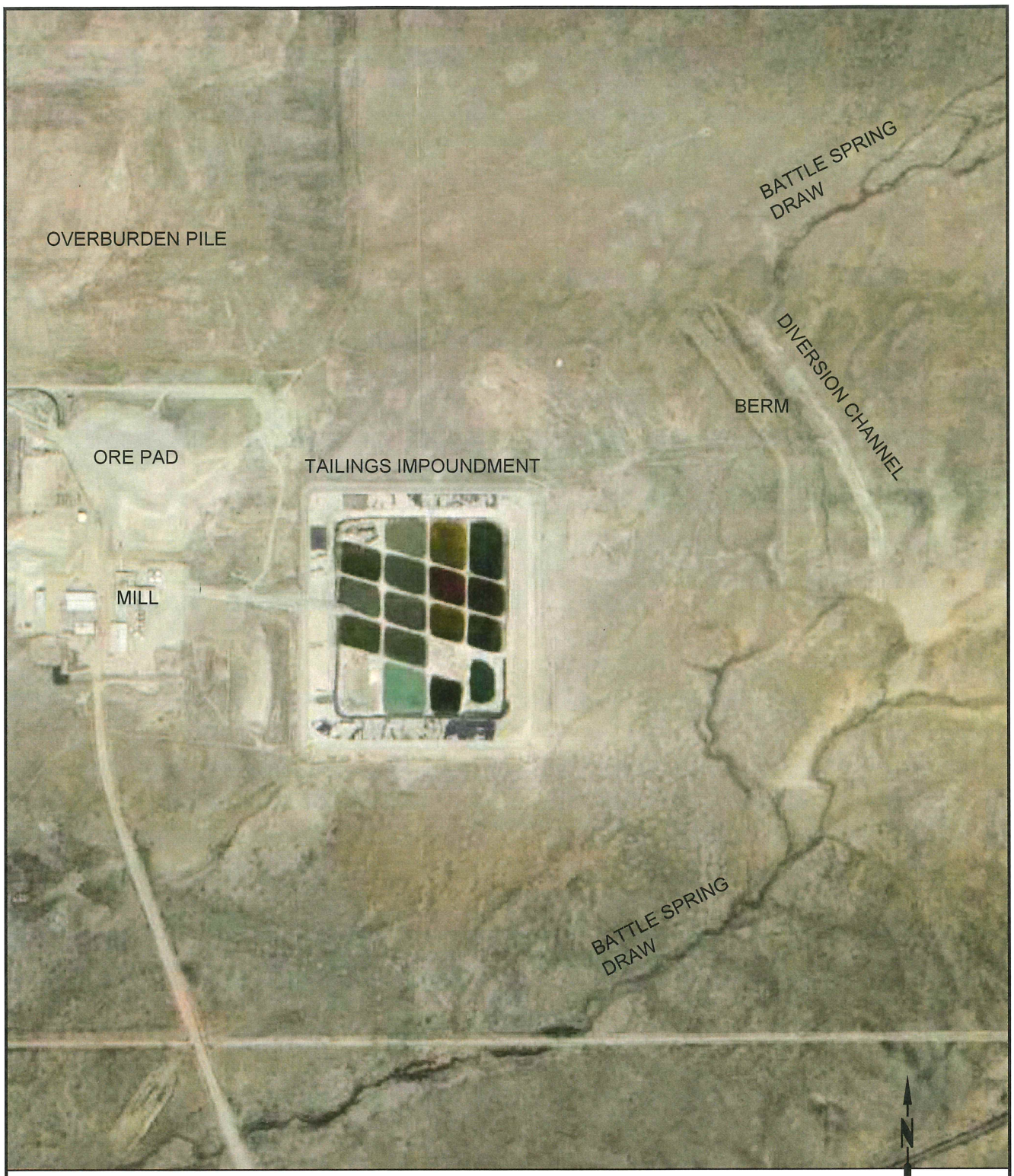
If you have any questions, please do not hesitate to contact me.

Sincerely,
Telesto Solutions, Inc.

Kent Bruxvoort

Kent Bruxvoort
Senior Engineer

KJB



REFERENCE INFORMATION:
AERIAL PHOTO PER GOOGLE
EARTH- JUNE 2014

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PROJECT:	TASK:
451101	-

PREPARED BY: TELESTO SOLUTIONS INCORPORATED

FIGURE 1
AERIAL IMAGE OF FACILITY (6/2014)

PREPARED FOR: SWEETWATER URANIUM FACILITY

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PROJECT:	TASK:
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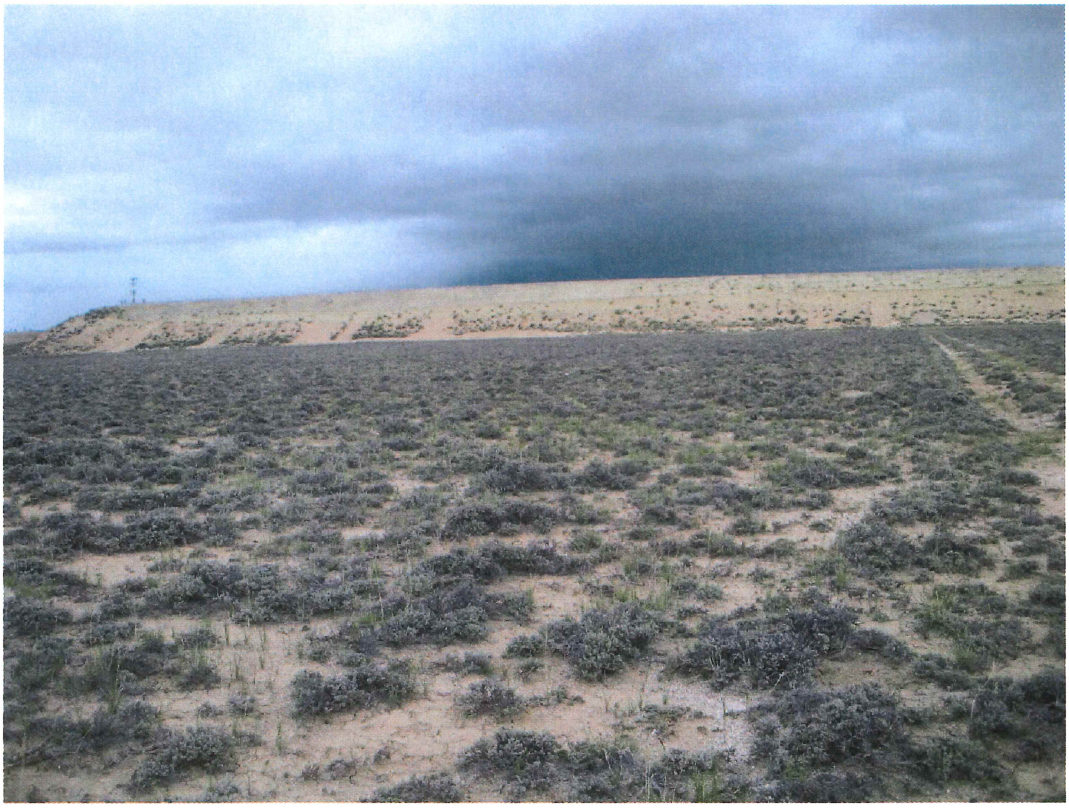
PREPARED BY:

TELESTO SOLUTIONS INCORPORATED

PHOTO 1, NORTH EMBANKMENT
PHOTO 2, EAST EMBANKMENT

PREPARED FOR:

Rio Tinto



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PREPARED BY:
TELESTO SOLUTIONS • INCORPORATED

PHOTO 3, EAST EMBANKMENT CLOSE-UP
PHOTO 4, SOUTH EMBANKMENT

PREPARED FOR:
Rio Tinto

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PROJECT:	TASK:
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PREPARED BY:
TELESTO SOLUTIONS INCORPORATED

PHOTO 5, WEST EMBANKMENT
PHOTO 6, WEST EMBANKMENT CLOSE-UP

PREPARED FOR:
Rio Tinto

Appendix 4

2015 Inspection of Tailings Impoundment Liner

TELESTO
SOLUTIONS • INCORPORATED

July 22, 2015

Via Electronic Mail

Oscar Paulson
Sweetwater Uranium Company
P.O. Box 1500
Rawlins, Wyoming 82301-1500

Subject: 2015 Inspection of Tailings Impoundment

Dear Oscar:

OVERVIEW AND OBJECTIVE

On May 18, 2015, I inspected specific details of the Sweetwater Uranium Project's tailings impoundment liner, per recommendations in a July 13, 1979 letter report from D'Appolonia Consulting Engineers, Inc. D'Appolonia's letter report recommended inspection as follows:

> *"Annual inspection (by a registered engineer and by a person not involved with the daily inspection) should be made to assess the soil cover at the top of the dike (and at the bench until it is covered by water), assure that the membrane is not being pulled from the trenches, assure that chemical or physical action is not exposing the scrim in the Hypalon, and evaluate the general character of the Hypalon, particularly significant decrease in membrane plyability."*

Management activities within the tailings impoundment consist of primarily two objectives: 1) assuring that the existing Hypalon® liner is maintained within five vertical feet of tailings, and 2) assuring that the impoundment receives and evaporates ground water pumped from the Battle Spring Aquifer under the facility's Corrective Action Program. Evaporation lagoons have been created inside the impoundment to cover tailings and to enhance evaporation of water within the impoundment.

Most of the liner material from within five feet of the tailings upward to the embankment crest has been lost; liner failure at the facility has been documented elsewhere and noted in annual inspection letters since the mid-1990s. Thus, a portion of the original intent of the above D'Appolonia recommendation is no longer applicable. The only operable

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New Mexico Office
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Silver City, New Mexico 88061
575-538-5620 / 575-538-5625(FAX)

portions of the key trench at the crest of the embankments are approximate 200-foot segments of trench at the east end of the south embankment and north end of the west embankment. Similarly, the only operable portion of the liner at the bench occurs below these two segments of intact liner (see Photograph 1—intact liner can be seen in the middle of the photo and in the back, far left). These segments of liner can also be seen in the aerial photograph of Figure 1. The twofold focus of this letter thus regards the maintenance of the liner within five feet of the tailings or tailings fluid and general management activities within the impoundment.

BACKGROUND

From February 2006 through May 2007 an estimated total of 230,000 cubic yards of additional 11(e).2 soils from the vicinity of the facility's catch basin were placed near the northeast portion of the impoundment. A ramp was constructed from the west embankment in the center of the impoundment to the tailings surface. During the latter half of 2007 and in 2008 the tailings surface and the additional 11(e).2 soils were regraded. Beach sands were moved from the elevated western edge of the impoundment to the lower eastern portion of the impoundment. Substantial progress was thereby achieved toward meeting tailings management objectives: 1) regrading the tailings to a more regular surface in anticipation of either reclamation or future tailings storage; 2) leveling the tailings to create a surface that is entirely below the bench and essentially below the elevation of the surrounding native ground, more sheltered from wind, and easier to keep moistened; 3) covering the tailings to limit wind erosion potential; and 4) creating stable, flat, bermed areas as evaporation lagoons for tailings dewatering and pump-back water evaporation.

The attached Figure 1 is an aerial photograph of the site (June 2014 aerial image) and Figure 2 presents the existing topography of the tailings impoundment, as surveyed in July 2009. These figures indicate the location of evaporation lagoons. To date, 15 lagoons are being maintained (1-0, 1-W & 1-E, 2-W & 2-E, 3W & 3E, 4W & 4E, 5W & 5E, 6W & 6E, 8-E, and 9-W). Each lagoon is lined with a single polyethylene liner to limit the amount of water that could infiltrate into the tailings which would have to be pumped from the free pool back into the lagoons. Tailings have been placed over the liners to limit wind exposure and related wind damage. Because these lagoons are for fluid management purposes, and are within the impoundment and below the level of maintained Hypalon® liner, temporary loss of lagoon liners is of relatively minor concern. Groundwater protection is provided by the existing Hypalon® liner below the entire tailings impoundment. The free water pool is located in the southeast corner of the impoundment, as seen in Figure 2, and the northwestern corner is dedicated to storage of equipment classified as 11(e).2 byproduct material.

In regrading the tailings, the surface has been everywhere lowered to elevations below

the surrounding native ground. The surfaces of the lagoons range in elevation from 6,625 feet to 6,632 feet, with berm elevations up to about 6,634 feet. At the southwest corner of the impoundment, the nearest lagoon berm elevation of about 6,632 feet is two feet lower than the elevation of the native ground adjacent to the outside impoundment toe. At the northeast corner, the berm elevation of about 6,634 feet is 22 feet lower than the elevation of the adjacent native ground.

FLUID LEVELS

Fluid into the impoundment includes precipitation and groundwater pumped as part of the facility's Corrective Action Program. Evaporation from the impoundment has helped to offset these fluid inputs, as shown in Table 1 below. The tailings regrading effort of 2006/2007 also raised the elevation of the tailings surface below the free pool, displacing much of the pool volume. Consequently, elevations of the pool surface measured prior to 2007 cannot be compared to post-2007 elevations without taking into account the tailings regrading; note in Table 1 how the water surface of the pool rose in 2008. The pool elevation in November 2014 was at an elevation of about 6,609 feet. The free pool can be seen in the center of Photograph 2.

During 2014 a total of 26,645,670 gallons of groundwater were pumped into the impoundment. Table 2 presents pumpback volume data from 1986 through May 18, 2015. During each year the pumpback system is monitored and managed to limit the volume of pumpback water to a maximum defined by the Corrective Action Program. This maximum was raised from 25,000,000 to 27,000,000 gallons by Safety and Environmental Evaluation (SEE) #23, "Establishment of Annual Pumpback Volume Based upon Tailings Impoundment Evaporative Capacity." The rationale for this increase is the additional evaporative capacity afforded by the 15 lined lagoons, and the increase became effective on June 1, 2013.

INSPECTION OVERVIEW

Photographs 1 through 8 depict the condition of the impoundment observed on May 18, 2015. The visual inspection was performed by driving slowly around the crest of the impoundment, by walking along the entire crest, and by walking along the bench where it could be safely walked.

TAILINGS/FLUID SURFACE TO BENCH

The liner has been damaged below the bench along the east, north, and west embankments. However, the liner within five vertical feet of the tailings or tailings fluid surface has been maintained intact. The liner remains, by observation, plyable. There is no evidence of exposed scrim by either physical or chemical means. Photograph 3 shows

an example of liner repair within five vertical feet of the tailings or tailings fluid surface. The liner along the southern embankment was covered with sandbag weights in Spring 2015 as a preventive measure against buffeting in windy conditions (Photograph 4). Photograph 5 shows the liner below the bench along the southern embankment, looking east, in the lower left portion of the photograph, and shows sections of damaged liner above the bench.

Geomembrane testing was performed by Golder Associates, Inc. and TRI Environmental in September 2014, with results reported by letter dated October 9, 2014. Results for thickness, breaking strength, hydrostatic resistance, hardness, and low temperature bend showed the liner to meet reference value standards. Tear resistance in the September 2014 testing was somewhat below the reference value, as it was in the September 2012 testing. The 2014 tear resistance tests were closer to the reference value than was the case in 2012 (33.0 and 27.1 lbs for 2014, with a reference value of 35 lbs). In response to the 2012 testing, Golder concluded that the tear resistance tests "should be observed in conjunction with the other tests to be looked at as a whole." In other words, the overall performance of the liner should be considered acceptable given the results of the five other tests. Given Kennecott Uranium Company's active program to maintain the liner and the overall testing performance, the liner should be expected to continue to function as intended.

BENCH TO CREST

The bench, after tailings regrading, is everywhere exposed (except where under the ramp). The bench is observed to be functioning as designed only along the southern embankment. Elsewhere the key trench along the bench is rendered as non-functioning due to liner tears.

Between the bench and the crest of the impoundment, the liner is essentially no longer functional along any of the four sides of the embankment. Photographs 5 through 8 show much of that portion of the impoundment between the bench and the crest, demonstrating that the liner exists between the bench and the crest only discontinuously along the southern and western embankments. Everywhere around the perimeter of the impoundment, the liner above the bench has been significantly torn and is in most areas non-existent. Photograph 5 shows the south embankment between the bench and the crest, with sections of torn and missing liner easily visible. The maintained portion of the liner can be seen just above the tailings and water surface at the left of the photograph. Photograph 6 shows the east embankment and the maintained liner within five vertical feet of the tailings, with the non-existent liner above that. Photographs 7 and 8 show water in the evaporation lagoons from two different angles.

The key trench at the crest is no longer functioning as designed due to liner loss between the bench and the crest. The crest is graded as needed and is relatively smooth for safe vehicle traffic and is unimpacted by erosion from the outside edges of the embankments.

SUMMARY

Above the bench, the liner is no longer functional, and the key trench at the crest thus no longer provides a function. The liner along the bench and the seam at the bench is functional only along the south embankment and a portion of the west embankment. The liner is fully maintained and repaired as necessary within five vertical feet of the tailings or tailings fluid around the entire perimeter of the impoundment. The liner remains, by observation and testing, plyable. There is no evidence of exposed scrim by either physical or chemical means.

Ongoing maintenance of the impoundment serves to allow Kennecott Uranium Company to meet its operational objectives. Specific maintenance completed or ongoing during 2014-2015 includes 1) repair of the liner to keep it functional within five feet of the tailings; 2) ongoing maintenance of the water management system including activities such as pump repair and/or replacement; 3) placement of sandbag weights along the south embankment to limit liner buffeting under windy conditions; and 4) maintenance and repair of the outer surfaces of the embankments against erosion effects.

Kennecott Uranium Company continues to effectively manage the tailings impoundment through as-needed maintenance of the liner within five vertical feet of the tailings or tailings fluid and keeping the tailings covered with filled evaporation lagoons. Potential for fluid to escape through the remaining Hypalon® liner is limited, potential for windblown tailings is decreased, potential for radon emissions is decreased, the surface of the tailings has been lowered to a level everywhere below the surrounding native ground surface, tailings consolidation throughout the impoundment is promoted, and evaporation over a large surface area within the impoundment is enhanced.

If you have any questions, please do not hesitate to contact me.

Sincerely,
Telesto Solutions, Inc.

Kent Bruxvoort

Kent Bruxvoort
Senior Engineer

KJB

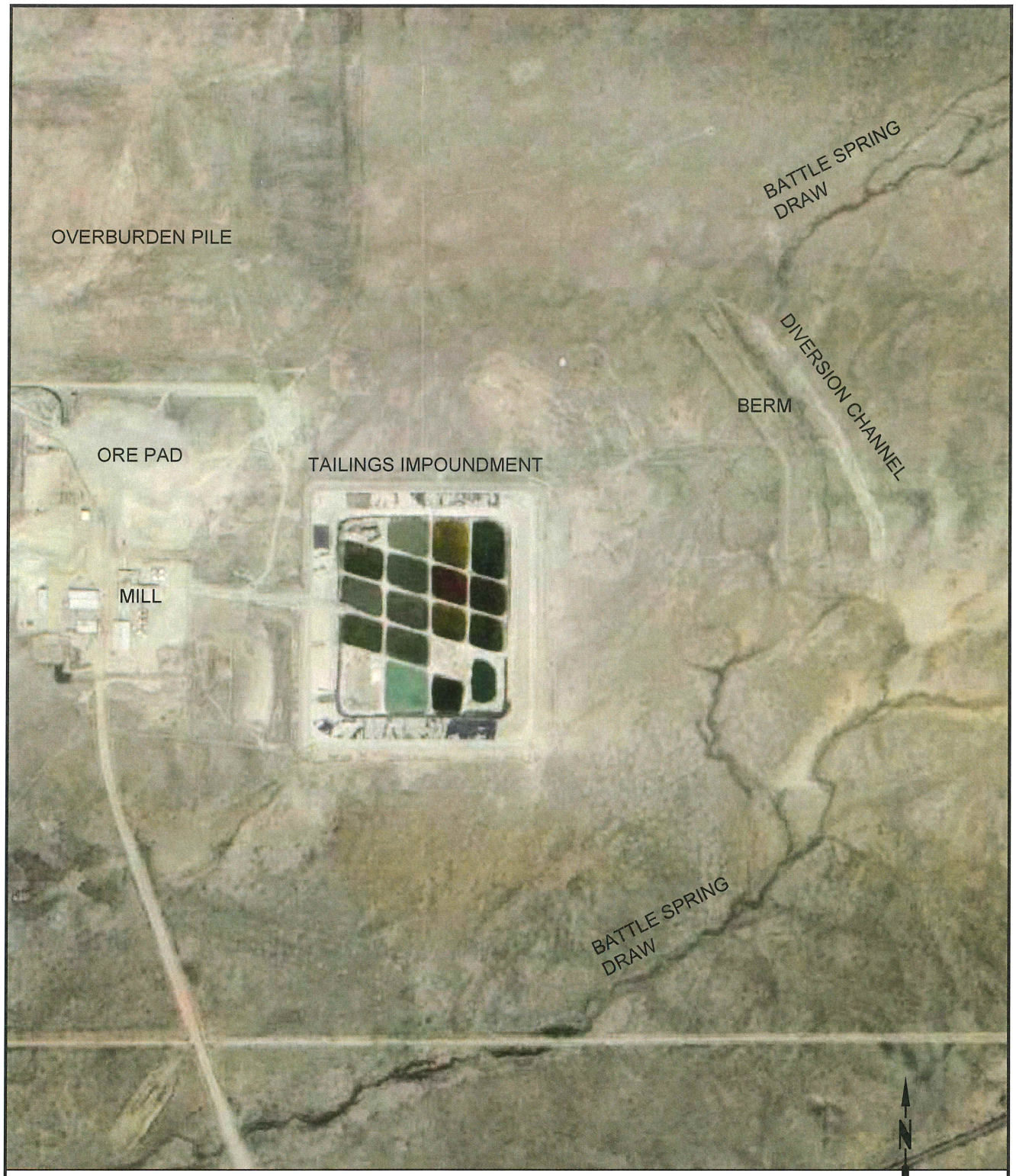
Table 1 Summary of Tailings Impoundment Fluid Levels

END-OF-YEAR MEASUREMENT DATE	FLUID ELEVATION, POOL SURFACE
November 19, 1987	6636.3
October 31, 1988	6632.0
November 20, 1989	6629.0
November 11, 1990	6626.6
October 7, 1991	6624.6
November 5, 1992	6622.2
October 11, 1993	6621.1
October 10, 1994	6618.9
October 3, 1995	6619.2
October 3, 1996	6617.9
October 16, 1997	6616.8
September 14, 1998	6616.6
November 17, 1999	6614.6
November 9, 2000	6610.8
November 19, 2001	6611.4
November 5, 2002	6607.1
October 6, 2003	6606.8
October 14, 2004	6608.7
September 5, 2005	6605.5
September 19, 2006	6608.7
October 16, 2007	6609.3
October 31, 2008	6620.2
October 27, 2009	6620.4
October 21, 2010	6619.9
October 3, 2011	6617.4
November 12, 2012	6609.1
November 4, 2013	6608.0
November 17, 2014	6609.1
May 20, 2015	6613.4

Note: Elevations are normalized to the facility datum originally established by Minerals Exploration Company for control point TLT-203.

Table 2 Summary of Corrective Action Program Pumpback Volumes

DATES	PUMPBACK VOLUME, GALLONS
April 1, 1986 to April 1, 1987	4,538,561
April 1, 1987 to April 1, 1988	6,527,284
April 1, 1988 to April 1, 1989	10,519,688
April 1, 1989 to April 1, 1990	11,228,062
April 1, 1990 to January 1, 1991	10,060,823
January 1, 1991 to December 1, 1991	15,996,191
December 1, 1991 to December 31, 1992	21,302,920
December 31, 1992 to December 31, 1993	14,067,020
December 31, 1993 to December 31, 1994	18,503,040
December 31, 1994 to December 31, 1995	18,149,040
December 31, 1995 to December 31, 1996	18,562,070
December 31, 1996 to December 31, 1997	16,164,230
December 31, 1997 to December 31, 1998	15,934,590
December 31, 1998 to December 31, 1999	15,575,270
December 31, 1999 to December 31, 2000	17,990,050
December 31, 2000 to December 31, 2001	18,112,990
December 31, 2001 to December 31, 2002	16,157,330
December 31, 2002 to December 31, 2003	15,559,290
December 31, 2003 to December 31, 2004	18,182,190
January 1, 2005 to December 31, 2005	20,440,202
January 1, 2006 to December 31, 2006	24,348,650
January 1, 2007 to December 31, 2007	23,596,880
January 1, 2008 to December 31, 2008	24,034,020
January 1, 2009 to December 31, 2009	22,103,107
January 1, 2010 to December 31, 2010	23,865,855
January 1, 2011 to December 31, 2011	24,455,745
January 1, 2012 to December 31, 2012	24,656,696
January 1, 2013 to December 31, 2013	26,207,070
January 1, 2014 to December 31, 2014	26,645,670
January 1, 2013 to May 18, 2015	7,030,240



REFERENCE INFORMATION:
AERIAL PHOTO PER GOOGLE EARTH- JUNE 2014

SCALE IN FEET
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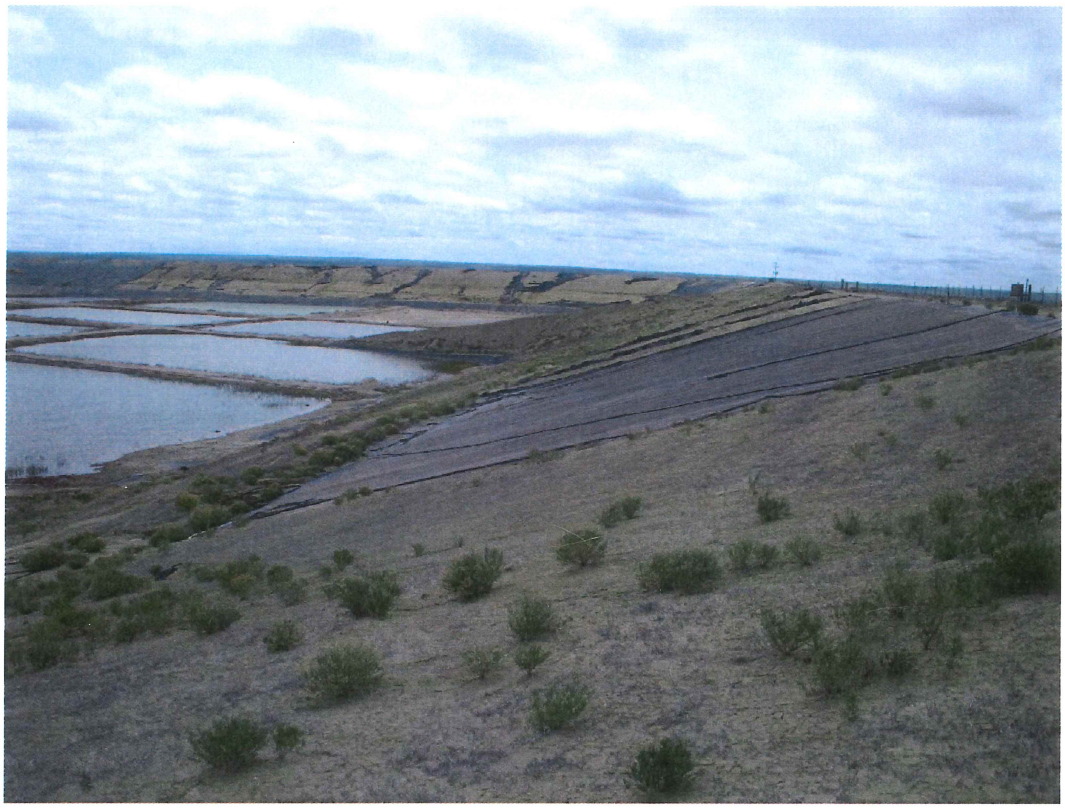
PROJECT:	TASK:
451101	-

PREPARED BY: TELESTO SOLUTIONS INCORPORATED

FIGURE 1
AERIAL IMAGE OF FACILITY (6/2014)

PREPARED FOR: SWEETWATER URANIUM FACILITY

9/30/2014 R:\Sweetwater\SweetwaterUranium\Calculations\AutoCad\20140930-aerial image_2014.dwg



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PROJECT:	TASK:
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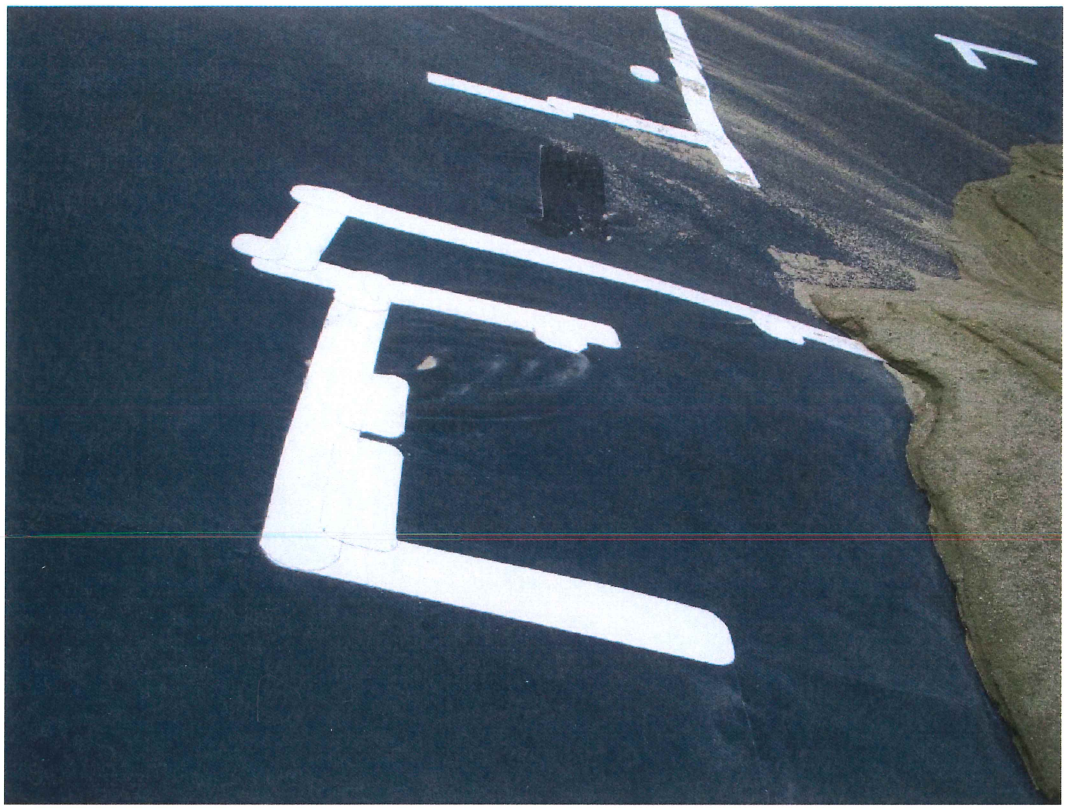
PREPARED BY: TELESTO SOLUTIONS INCORPORATED

PHOTO 1, SECTIONS OF INTACT LINER
PHOTO 2, FREE WATER POOL

PREPARED FOR: RioTinto



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PROJECT:	TASK:
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PREPARED BY: TELESTO SOLUTIONS INCORPORATED

PHOTO 3, LINER REPAIR
PHOTO 4, LINER WEIGHTS

PREPARED FOR: Rio Tinto

Tables

TABLE 1

GALLONS PUMPED TO TAILINGS IMPOUNDMENT

WELL:	TYPE:	April 1, 1986 to April 1, 1987	April 1, 1987 to April 1, 1988	April 1, 1988 to April 1, 1989	April 1, 1989 to April 1, 1990	April 1, 1990 to January 1, 1991	January 1, 1991 to December 1, 1991	December 1, 1991 to December 31, 1992	December 31, 1992 to December 31, 1993	December 31, 1993 to December 31, 1994
TMW 7	Aquifer									
TMW 16	Aquifer		973,474.00	1,669,570.00	1,012,740.00	824,139.00	375,942.00	825,270.00	1,202,150.00	976,840.00
TMW 17	Aquifer	3,652,911.00	3,699,987.00	3,096,627.00	2,289,813.00	2,526,771.00	5,248,474.00	5,988,820.00	4,284,690.00	4,387,290.00
TMW 18	Aquifer	743,540.00	1,612,795.00	3,125,776.00	4,329,036.00	4,286,378.00	5,905,911.00	5,262,910.00	5,019,830.00	5,307,990.00
TMW 55	Perch				**101,875.00**					
TMW 57	Aquifer									
TMW 58	Aquifer									2,713,490.00
TMW 59	Aquifer			277,190.00	1,035,242.00	1,262,117.00	2,237,358.00	2,478,090.00	1,528,780.00	2,356,260.00
TMW 65	Perch		*							
TMW 75	Aquifer			2,296,870.00	1,898,236.00	1,161,418.00	2,228,506.00	6,747,830.00	2,031,570.00	2,761,170.00
TMW 76	Perch	43,293.00	*							
TMW 79	Perch	39,875.00								
TMW 80	Perch	56,675.90	*	**53,655.00**						
TMW 83	Perch		**241,028.00**	*	*					
TMW 85	Perch	2,266.30								
TMW 91	Aquifer									
TMW 96	Aquifer									
TMW 97	Aquifer									
Bison Basin	Disposal				561,120.00					
GMIX	Disposal									
Subtotal:		4,538,561.20	6,527,284.00	10,519,688.00	11,228,062.00	10,060,823.00	15,996,191.00	21,302,920.00	14,067,020.00	18,503,040.00
Cumulative Gallons Pumped:			11,065,845.20	21,585,533.20	32,813,595.20	42,874,418.20	58,870,609.20	80,173,529.20	94,240,549.20	112,743,589.20

** **Bold** number is combined total of this well plus wells marked by asterisk.*

TABLE 1

GALLONS PUMPED TO TAILINGS IMPOUNDMENT

WELL:	TYPE:	December 31, 1994 to December 31, 1995	December 31, 1995 to December 31, 1996	December 31, 1996 to December 31, 1997	December 31, 1997 to December 31, 1998	December 31, 1998 to December 31, 1999	December 31, 1999 to December 31, 2000	December 31, 2000 to December 31, 2001	December 31, 2001 to December 31, 2002
TMW 7	Aquifer								
TMW 16	Aquifer	1,916,500.00	2,114,160.00	1,821,300.00	1,819,410.00	1,500,750.00	1,234,950.00	1,939,100.00	955,970.00
TMW 17	Aquifer	3,875,680.00	3,534,560.00	2,406,940.00	1,882,910.00	1,597,310.00	3,436,750.00	1,530,080.00	991,590.00
TMW 18	Aquifer	3,760,740.00	4,577,190.00	3,945,330.00	5,361,630.00	5,454,370.00	5,449,610.00	5,669,760.00	6,099,470.00
TMW 55	Perch								
TMW 57	Aquifer							1,958,380.00	2,165,880.00
TMW 58	Aquifer	3,853,980.00	3,450,330.00	3,680,030.00	2,558,000.00	3,081,960.00	2,854,470.00	2,312,330.00	1,738,740.00
TMW 59	Aquifer	2,307,730.00	2,048,600.00	2,099,550.00	2,236,360.00	2,148,390.00	2,231,660.00	1,953,690.00	1,654,000.00
TMW 65	Perch								
TMW 75	Aquifer	2,434,410.00	2,837,230.00	2,211,080.00	2,076,280.00	1,792,490.00	2,782,610.00	2,734,650.00	2,551,680.00
TMW 76	Perch								
TMW 79	Perch								
TMW 80	Perch								
TMW 83	Perch								
TMW 85	Perch								
TMW 91	Aquifer								
TMW 96	Aquifer								
TMW 97	Aquifer								
Bison Basin	Disposal								
GMIX	Disposal							15,000.00	
Subtotal:		18,149,040.00	18,562,070.00	16,164,230.00	15,934,590.00	15,575,270.00	17,990,050.00	18,112,990.00	16,157,330.00
Cumulative Gallons Pumped:		130,892,629.20	149,454,699.20	165,618,929.20	181,553,519.20	197,128,789.20	215,118,839.20	233,231,829.20	249,389,159.20

TABLE 1

GALLONS PUMPED TO TAILINGS IMPOUNDMENT

WELL:	TYPE:	December 31, 2002 to December 31, 2003	December 31, 2003 to December 31, 2004	January 1, 2005 to December 31, 2005	January 1, 2006 to December 31, 2006	January 1, 2007 to December 31, 2007	January 1, 2008 to December 31, 2008	January 1, 2009 to December 31, 2009	January 1, 2010 to December 31, 2010
TMW 7	Aquifer	262,880.00	3,371,090.00	2,638,080.00	2,011,900.00	2,807,610.00	2,679,730.00	1,651,640.00	1,889,200.00
TMW 16	Aquifer	1,008,140.00							
TMW 17	Aquifer	1,440,200.00	2,196,440.00	2,121,860.00	1,475,180.00	2,602,950.00	4,433,800.00	3,234,660.00	2,986,020.00
TMW 18	Aquifer	5,356,710.00	4,085,050.00	4,150,670.00	4,326,090.00	4,450,800.00	3,663,220.00	3,816,850.00	5,506,955.00
TMW 55	Perch								
TMW 57	Aquifer	1,364,700.00	1,907,680.00	2,066,070.00	2,619,800.00	2,963,350.00	1,532,830.00	1,705,610.00	1,574,480.00
TMW 58	Aquifer	2,122,770.00	2,705,370.00	1,776,710.00	2,170,120.00	821,270.00	508,430.00	2,316,780.00	2,545,390.00
TMW 59	Aquifer	1,754,410.00	1,741,170.00	2,233,710.00	2,312,760.00	2,829,940.00	2,577,980.00	4,056,297.00	4,489,890.00
TMW 65	Perch								
TMW 75	Aquifer	2,249,480.00	2,175,390.00	2,351,240.00	1,088,240.00	945,160.00	1,597,030.00	1,893,450.00	1,792,330.00
TMW 76	Perch								
TMW 79	Perch								
TMW 80	Perch								
TMW 83	Perch								
TMW 85	Perch								
TMW 91	Aquifer			4,702.00					
TMW 96	Aquifer			1,490,620.00	3,969,900.00	3,108,420.00	2,908,420.00	1,505,790.00	1,452,580.00
TMW 97	Aquifer			1,606,540.00	4,374,660.00	3,067,380.00	4,132,580.00	1,922,030.00	1,629,010.00
Bison Basin	Disposal								
GMIX	Disposal								
Subtotal:		15,559,290.00	18,182,190.00	20,440,202.00	24,348,650.00	23,596,880.00	24,034,020.00	22,103,107.00	23,865,855.00
Cumulative Gallons Pumped:		264,948,449.20	283,130,639.20	303,570,841.20	327,919,491.20	351,516,371.20	375,550,391.20	397,653,498.20	421,519,353.20

TABLE 1

GALLONS PUMPED TO TAILINGS IMPOUNDMENT

WELL:	TYPE:	January 1, 2011 to December 31, 2011	January 1, 2012 to December 31, 2012	January 1, 2013 to December 31, 2013	January 1, 2014 to December 31, 2014	January 1, 2015 to December 31, 2015	
TMW 7	Aquifer	2,525,220.00	1,535,260.00	2,876,020.00	2,710,550.00	1,816,340.00	28,775,520.00
TMW 16	Aquifer						22,170,405.00
TMW 17	Aquifer	2,939,940.00	2,334,240.00	4,090,830.00	4,786,830.00	4,313,330.00	93,387,483.00
TMW 18	Aquifer	4,199,450.00	5,560,280.00	6,124,520.00	5,993,400.00	5,664,960.00	138,811,221.00
TMW 55	Perch						101,875.00
TMW 57	Aquifer	1,982,620.00	1,703,700.00	1,580,290.00	980,710.00	1,793,390.00	27,899,490.00
TMW 58	Aquifer	2,053,320.00	2,838,710.00	2,836,830.00	2,273,690.00	2,188,540.00	53,401,260.00
TMW 59	Aquifer	3,823,495.00	4,456,745.00	4,551,430.00	5,482,490.00	4,440,160.00	72,605,494.00
TMW 65	Perch						-
TMW 75	Aquifer	2,147,530.00	2,324,390.00	2,096,450.00	1,823,250.00	2,578,490.00	63,608,460.00
TMW 76	Perch						43,293.00
TMW 79	Perch						39,875.00
TMW 80	Perch						110,330.90
TMW 83	Perch						241,028.00
TMW 85	Perch						2,266.30
TMW 91	Aquifer						4,702.00
TMW 96	Aquifer	2,068,750.00	1,608,821.00	832,530.00	1,291,290.00	1,297,880.00	21,535,001.00
TMW 97	Aquifer	2,715,420.00	2,294,550.00	1,218,170.00	1,303,460.00	2,302,910.00	26,566,710.00
Bison Basin	Disposal						561,120.00
GMIX	Disposal						15,000.00
Subtotal:		24,455,745.00	24,656,696.00	26,207,070.00	26,645,670.00	26,396,000.00	**549,880,534.20**
Cumulative Gallons Pumped:		445,975,098.20	470,631,794.20	496,838,864.20	523,484,534.20	549,880,534.20	

KENNECOTT URANIUM COMPANY

TABLE 2
MASS OF SALTS AND OTHER CONSTITUENTS REMOVED FROM THE PERCHED AND BATTLE SPRINGS AQUIFERS
AND PUMPED BACK INTO THE TAILINGS CELL
AS OF DECEMBER 31, 2015

SALTS	TMW-7	TMW-16	TMW-17	TMW-18	TMW-55	TMW-57	TMW-58	TMW-59	TMW-65	TMW-75	TMW-76	TMW-79	TMW-80	TMW-83	TMW-85	TMW-91	TMW-96	TMW-97	TAILS CELL
(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)	(KG)
MAJOR IONS																			
Bicarbonate	22,090.34	27,851.82	55,062.70	281,734.10	-	13,824.16	43,745.02	99,218.12	-	43,299.85	-	-	-	-	-	2.49	11,833.78	12,703.62	611,366.01
Calcium	19,233.34	33,391.21	42,001.59	302,583.05	-	12,096.70	48,983.30	142,151.99	-	40,139.80	-	-	-	-	-	6.33	15,210.78	15,807.25	671,605.34
Carbonate	579.31	576.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.01	4.70	1,163.95
Chloride	3,789.56	5,014.43	6,459.74	47,669.68	-	1,324.94	6,342.64	22,030.32	-	5,736.54	-	-	-	-	-	1.01	2,352.51	2,228.50	102,949.85
Fluoride	7.14	2.42	41.44	6.59	-	14.46	18.71	40.87	-	31.71	-	-	-	-	-	-	8.21	12.31	183.85
Magnesium	1,925.00	2,572.42	2,612.11	21,246.93	-	914.15	3,782.89	17,897.14	-	3,094.05	-	-	-	-	-	0.49	1,132.04	1,167.87	56,345.09
Nitrate(NO3)	-	29.88	118.86	173.01	-	-	4.52	15.74	-	34.27	-	-	-	-	-	-	7.58	1.04	384.91
Potassium	408.73	481.94	1,162.31	3,485.10	-	341.00	887.14	1,948.88	-	862.85	-	-	-	-	-	0.08	322.84	359.16	10,260.04
Silica	1,810.21	1,430.36	4,964.80	11,878.48	-	1,455.77	3,096.57	5,269.27	-	3,660.16	-	-	-	-	-	0.23	1,128.97	1,425.76	36,120.58
Sodium	5,987.04	7,454.19	14,840.16	47,850.48	-	4,108.10	11,182.65	25,162.11	-	11,841.43	-	-	-	-	-	1.28	4,229.20	4,686.00	137,342.63
Sulfate	44,462.92	76,973.64	94,857.20	626,373.67	281.43	28,747.46	113,207.02	373,244.57	424.26	89,323.19	2,509.88	274.72	966.02	848.22	18.02	16.37	38,010.93	38,181.70	1,528,721.22
TDS	90,719.59	148,300.36	194,235.93	1,253,897.14	456.46	56,666.13	215,883.37	677,125.48	701.63	183,198.73	4,529.50	531.92	1,651.65	1,423.79	33.85	28.12	69,874.10	72,378.42	2,971,636.18
TRACE METALS																			
Aluminum	-	1.04	-	59.53	-	0.41	-	1.93	-	0.44	-	-	-	-	-	-	-	-	63.35
Arsenic	0.01	0.03	0.00	0.08	-	0.00	0.02	0.03	-	0.07	-	-	-	-	-	-	0.01	0.00	0.25
Barium	-	0.22	1.53	1.52	-	-	-	0.94	-	-	-	-	-	-	-	-	-	-	4.21
Beryllium	-	-	-	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08
Boron	0.19	0.57	0.40	3.52	-	0.25	2.09	6.80	-	1.23	-	-	-	-	-	-	0.38	-	15.43
Cadmium	-	0.01	-	0.12	-	-	-	0.03	-	0.08	-	-	-	-	-	-	-	-	0.23
Chromium	0.03	0.43	0.59	1.90	-	0.04	0.22	0.22	0.04	0.01	0.03	-	-	-	-	-	-	-	3.51
Cobalt	0.01	0.03	0.00	0.58	-	0.60	0.32	2.97	-	0.02	-	-	-	-	-	-	0.00	-	4.55
Copper	-	0.22	0.70	0.75	-	-	-	0.19	-	0.08	-	-	-	-	-	-	0.00	-	1.93
Cyanide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	369.92	51.35	28.88	3,532.44	-	25.14	89.30	10,175.46	-	33.88	-	-	-	-	-	-	3.33	9.00	14,318.69
Lead	-	-	-	1.57	-	-	-	0.12	-	-	-	-	-	-	-	-	-	-	1.69
Manganese	65.49	35.54	24.57	585.43	-	12.92	41.70	1,000.99	-	27.38	-	-	-	-	-	-	8.93	11.08	1,814.02
Mercury	0.00	-	-	0.00	-	-	0.00	0.00	-	-	-	-	-	-	-	-	0.00	-	0.01
Molybdenum	-	0.02	0.17	0.06	-	-	-	0.26	-	0.26	-	-	-	-	-	-	-	-	0.76
Nickel	0.13	0.32	0.81	2.64	-	0.65	0.30	2.95	-	0.45	-	-	-	-	-	-	0.02	-	8.27
Selenium	0.00	0.06	0.12	0.45	0.07	0.01	0.19	0.18	0.18	0.12	0.41	0.03	0.25	0.22	-	-	0.60	0.01	2.90
Silver	-	0.27	0.56	0.48	-	-	-	0.06	-	0.02	-	-	-	-	-	-	-	-	1.39
Thallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	0.25	-	0.55	2.36	-	-	0.10	0.03	-	-	-	-	-	-	-	-	-	-	3.30
Zinc	0.25	2.94	7.49	7.91	-	0.93	4.23	3.12	-	2.58	-	-	-	-	-	-	0.28	0.12	29.85
RADIOMETRICS																			
Uranium (mg/l)	1.92	24.09	4.39	2.24	-	0.69	3.17	2.66	-	12.15	-	-	-	-	-	-	6.11	4.47	61.89

TMW-7												
CONTAMINANTS REMOVED												
(Started pumping 12/01/03)	**2015**											
DATE FS:	14-Jan-15			08-Apr-15			14-Jul-15			26-Oct-15		
		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE
GALLONAGE		443,930	27,403,110		520,590	27,923,700		439,530	28,363,230		412,290	28,775,520
CONSTITUENTS	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED
MAJOR IONS	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)
Bicarbonate	188.00	315.93	21105.21	184.00	362.60	21467.81	195.00	324.44	21792.25	191.00	298.09	22090.34
Calcium	175.00	294.08	18326.70	175.00	344.86	18671.56	181.00	301.15	18972.71	167.00	260.63	19233.34
Carbonate	0.00	0.00	579.31	0.00	0.00	579.31	0.00	0.00	579.31	0.00	0.00	579.31
Chloride	46.00	77.30	3555.04	42.00	82.77	3637.81	49.00	81.53	3719.33	45.00	70.23	3789.56
Fluoride	0.10	0.17	6.62	0.10	0.20	6.82	0.10	0.17	6.98	0.10	0.16	7.14
Magnesium	23.80	39.99	1802.26	24.10	47.49	1849.75	21.40	35.61	1885.36	25.40	39.64	1925.00
Nitrate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Potassium	3.90	6.55	385.02	3.80	7.49	392.51	6.00	9.98	402.49	4.00	6.24	408.73
Silica	16.40	27.56	1725.17	15.70	30.94	1756.11	17.60	29.28	1785.40	15.90	24.81	1810.21
Sodium	65.80	110.57	5664.78	64.60	127.30	5792.08	54.70	91.01	5883.09	66.60	103.94	5987.04
Sulfate	431.00	724.28	42234.00	389.00	766.58	43000.58	469.00	780.32	43780.90	437.00	682.02	44462.92
TDS	859.00	1443.51	86128.43	808.00	1592.28	87720.72	931.00	1549.00	89269.72	929.00	1449.88	90719.59
TRACE METALS												
Al	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
As	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Ba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Be	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B	0.00	0.00	0.19	0.00	0.00	0.19	0.00	0.00	0.19	0.00	0.00	0.19
Cd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cr	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03
Co	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Cu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fe	7.19	12.08	327.87	7.64	15.06	342.92	7.66	12.74	355.67	9.13	14.25	369.92
Pb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mn	1.02	1.71	59.75	1.01	1.99	61.74	1.10	1.83	63.57	1.23	1.92	65.49
Hg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ni	0.00	0.00	0.13	0.00	0.00	0.13	0.00	0.00	0.13	0.00	0.00	0.13
Se	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V2O5	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.00	0.25
Zn	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.00	0.25
RADIOMETRICS												
U mg/l	0.04	0.06	1.76	0.05	0.09	1.85	0.03	0.04	1.89	0.02	0.04	1.92

TMW-17												
BATTLE SPRING AQUIFER												
CONTAMINANTS REMOVED	**2015**											
DATE FS	14-Jan-15			08-Apr-15			13-Jul-15			02-Nov-15		
(Started pumping 7/1/86)		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE
GALLONAGE		295,460	89,369,613		1,272,170	90,641,783		1,435,600	92,077,383		1,310,100	93,387,483
CONSTITUENTS	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED
	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)
MAJOR IONS												
Bicarbonate	147.00	164.41	53,281.14	146.00	703.09	53,984.23	151.00	820.58	54,804.82	52.00	257.88	55,062.70
Calcium	83.30	93.17	40,698.50	84.40	406.44	41,104.94	87.70	476.59	41,581.54	84.70	420.05	42,001.59
Carbonate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chloride	9.00	10.07	6,338.06	8.00	38.53	6,376.59	8.00	43.47	6,420.06	8.00	39.67	6,459.74
Fluoride	0.10	0.11	39.91	0.10	0.48	40.40	0.10	0.54	40.94	0.10	0.50	41.44
Magnesium	5.30	5.93	2,534.54	5.10	24.56	2,559.10	5.10	27.72	2,586.82	5.10	25.29	2,612.11
Nitrate(NO3)	0.00	0.00	118.86	0.00	0.00	118.86	0.00	0.00	118.86	0.00	0.00	118.86
Potassium	2.90	3.24	1,116.25	3.10	14.93	1,131.18	2.90	15.76	1,146.94	3.10	15.37	1,162.31
Silica	15.40	17.22	4,730.47	15.30	73.68	4,804.15	15.60	84.78	4,888.92	15.30	75.88	4,964.80
Sodium	37.60	42.05	14,265.47	38.00	183.00	14,448.47	37.40	203.24	14,651.71	38.00	188.45	14,840.16
Sulfate	182.00	203.56	92,180.51	177.00	852.38	93,032.89	176.00	956.44	93,989.33	175.00	867.87	94,857.20
TDS	402.00	449.61	187,752.73	421.00	2027.40	189,780.14	433.00	2353.07	192,133.20	424.00	2102.73	194,235.93
TRACE METALS												
Aluminum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barium	0.00	0.00	1.53	0.00	0.00	1.53	0.00	0.00	1.53	0.00	0.00	1.53
Beryllium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boron	0.00	0.00	0.40	0.00	0.00	0.40	0.00	0.00	0.40	0.00	0.00	0.40
Cadmium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chromium	0.00	0.00	0.59	0.00	0.00	0.59	0.00	0.00	0.59	0.00	0.00	0.59
Cobalt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Copper	0.00	0.00	0.70	0.00	0.00	0.70	0.00	0.00	0.70	0.00	0.00	0.70
Cyanide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iron	0.05	0.06	26.58	0.06	0.29	26.87	0.06	0.33	27.20	0.34	1.69	28.88
Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manganese	0.04	0.04	23.81	0.05	0.24	24.05	0.05	0.27	24.32	0.05	0.25	24.57
Mercury	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Molybdenum	0.00	0.00	0.17	0.00	0.00	0.17	0.00	0.00	0.17	0.00	0.00	0.17
Nickel	0.00	0.00	0.81	0.00	0.00	0.81	0.00	0.00	0.81	0.00	0.00	0.81
Selenium	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.12
Silver	0.00	0.00	0.56	0.00	0.00	0.56	0.00	0.00	0.56	0.00	0.00	0.56
Thallium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium	0.00	0.00	0.55	0.00	0.00	0.55	0.00	0.00	0.55	0.00	0.00	0.55
Zinc	0.00	0.00	7.49	0.00	0.00	7.49	0.00	0.00	7.49	0.00	0.00	7.49
RADIOMETRICS												
Uranium (mg/l)	0.01	0.01	4.29	0.01	0.03	4.32	0.01	0.03	4.36	0.01	0.03	4.39

TMW-18												
BATTLE SPRING AQUIFER												
CONTAMINANTS REMOVE	**2015**											
DATE FS	14-Jan-15			08-Apr-15			15-Jul-15			26-Oct-15		
(Started pumping 10/8/86)		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE
GALLONAGE		1,250,140	134396401.00		1,488,060	135,884,461		1,490,690	137,375,151		1,436,070	138,811,221
CONSTITUENTS	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED
	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)
MAJOR IONS												
Bicarbonate	457.00	2162.66	273928.25	473.00	2664.37	276592.62	468.00	2640.87	279233.49	460.00	2500.61	281734.10
Calcium	486.00	2299.90	294690.91	480.00	2703.80	297394.71	458.00	2584.44	299979.15	479.00	2603.90	302583.05
Carbonate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chloride	89.00	421.17	46187.18	94.00	529.49	46716.68	87.00	490.93	47207.61	85.00	462.07	47669.68
Fluoride	0.00	0.00	6.59	0.00	0.00	6.59	0.00	0.00	6.59	0.00	0.00	6.59
Magnesium	44.40	210.11	20522.20	43.70	246.16	20768.35	43.00	242.64	21011.00	43.40	235.93	21246.93
Nitrate(NO3)	0.00	0.00	173.01	0.00	0.00	173.01	0.00	0.00	173.01	0.00	0.00	173.01
Potassium	6.60	31.23	3376.49	6.40	36.05	3412.54	6.50	36.68	3449.22	6.60	35.88	3485.10
Silica	22.10	104.58	11519.72	21.50	121.11	11640.83	21.50	121.32	11762.15	21.40	116.33	11878.48
Sodium	101.00	477.96	46204.54	98.20	553.15	46757.69	97.90	552.44	47310.13	99.40	540.35	47850.48
Sulfate	1100.00	5205.52	608484.05	1110.00	6252.54	614736.59	1070.00	6037.88	620774.47	1030.00	5599.20	626373.67
TDS	2160.00	10221.76	1218353.16	2140.00	12054.45	1230407.61	2130.00	12019.32	1242426.93	2110.00	11470.21	1253897.14
TRACE METALS												
Aluminum	0.00	0.00	59.53	0.00	0.00	59.53	0.00	0.00	59.53	0.00	0.00	59.53
Arsenic	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.08
Barium	0.00	0.00	1.52	0.00	0.00	1.52	0.00	0.00	1.52	0.00	0.00	1.52
Beryllium	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.08
Boron	0.00	0.00	3.52	0.00	0.00	3.52	0.00	0.00	3.52	0.00	0.00	3.52
Cadmium	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.12
Chromium	0.00	0.00	1.90	0.00	0.00	1.90	0.00	0.00	1.90	0.00	0.00	1.90
Cobalt	0.00	0.00	0.58	0.00	0.00	0.58	0.00	0.00	0.58	0.00	0.00	0.58
Copper	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.75	0.00	0.00	0.75
Cyanide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iron	7.92	37.48	3390.54	8.78	49.46	3440.00	8.04	45.37	3485.37	8.66	47.08	3532.44
Lead	0.00	0.00	1.57	0.00	0.00	1.57	0.00	0.00	1.57	0.00	0.00	1.57
Manganese	1.45	6.86	561.98	1.44	8.11	570.09	1.33	7.51	577.60	1.44	7.83	585.43
Mercury	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Molybdenum	0.00	0.00	0.06	0.00	0.00	0.06	0.00	0.00	0.06	0.00	0.00	0.06
Nickel	0.00	0.00	2.64	0.00	0.00	2.64	0.00	0.00	2.64	0.00	0.00	2.64
Selenium	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0.45
Silver	0.00	0.00	0.48	0.00	0.00	0.48	0.00	0.00	0.48	0.00	0.00	0.48
Thallium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium	0.00	0.00	2.36	0.00	0.00	2.36	0.00	0.00	2.36	0.00	0.00	2.36
Zinc	0.00	0.00	7.91	0.00	0.00	7.91	0.00	0.00	7.91	0.00	0.00	7.91
RADIOMETRICS												
Uranium (mg/l)	0.00	0.01	2.22	0.00	0.01	2.22	0.00	0.01	2.23	0.00	0.01	2.24

TMW-57												
CONTAMINANTS REMOVED												
PERCHED AQUIFER WELL	**2015**											
DATE FS	1/14/15			4/8/15			7/13/15			10/26/15		
(Started pumping May 2001)		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE
GALLONAGE		0	26,106,100		638,250	26,744,350		810,770	27,555,120		344,370	27,899,490
CONSTITUENTS	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED
MAJOR IONS	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)
Bicarbonate	124.00	0.00	12978.98	112.00	270.60	13249.58	132.00	405.12	13654.70	130.00	169.47	13824.16
Calcium	60.40	0.00	11484.46	95.30	230.25	11714.70	89.00	273.15	11987.85	83.50	108.85	12096.70
Carbonate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chloride	5.00	0.00	1268.21	9.00	21.74	1289.95	8.00	24.55	1314.51	8.00	10.43	1324.94
Fluoride	0.10	0.00	13.54	0.20	0.48	14.02	0.10	0.31	14.33	0.10	0.13	14.46
Magnesium	4.10	0.00	862.37	10.70	25.85	888.22	5.90	18.11	906.33	6.00	7.82	914.15
Nitrate(NO3)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Potassium	2.60	0.00	321.05	2.90	7.01	328.06	2.90	8.90	336.96	3.10	4.04	341.00
Silica	14.60	0.00	1353.15	16.50	39.86	1393.02	14.50	44.50	1437.52	14.00	18.25	1455.77
Sodium	31.90	0.00	3865.52	34.80	84.08	3949.60	36.10	110.79	4060.39	36.60	47.71	4108.10
Sulfate	127.00	0.00	27400.16	241.00	582.27	27982.43	200.00	613.82	28596.25	116.00	151.22	28747.46
TDS	304.00	0.00	53632.17	492.00	1188.69	54820.86	422.00	1295.16	56116.02	422.00	550.11	56666.13
TRACE METALS												
Aluminum	0.00	0.00	0.41	0.00	0.00	0.41	0.00	0.00	0.41	0.00	0.00	0.41
Arsenic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beryllium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boron	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.00	0.25
Cadmium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chromium	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.04	0.00	0.00	0.04
Cobalt	0.00	0.00	0.56	0.02	0.04	0.60	0.00	0.00	0.60	0.00	0.00	0.60
Copper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyanide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iron	0.23	0.00	22.27	1.19	2.88	25.14	0.00	0.00	25.14	0.00	0.00	25.14
Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manganese	0.07	0.00	11.95	0.28	0.68	12.62	0.07	0.21	12.84	0.06	0.08	12.92
Mercury	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Molybdenum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nickel	0.00	0.00	0.58	0.03	0.07	0.65	0.00	0.00	0.65	0.00	0.00	0.65
Selenium	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Silver	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thallium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zinc	0.00	0.00	0.91	0.01	0.02	0.93	0.00	0.00	0.93	0.00	0.00	0.93
RADIOMETRICS												
Uranium (mg/l)	0.00	0.00	0.66	0.00	0.01	0.67	0.01	0.02	0.68	0.01	0.01	0.69

TMW-58 Sheet 2												
BATTLE SPRING AQUIFER												
CONTAMINANTS REMOVED	**2015**											
DATE FS	14-Jan-15			08-Apr-15			13-Jul-15			03-Nov-15		
(Started pumping 6/20/94)		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE
GALLONAGE		-	51,212,720		729,870	51,942,590		1,032,340	52,974,930		426,330	53,401,260
CONSTITUENTS	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED
MAJOR IONS	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)
Bicarbonate	135.00	0.00	42214.05	140.00	386.80	42600.85	204.00	797.20	43398.05	215.00	346.97	43745.02
Calcium	123.00	0.00	47068.54	243.00	671.37	47739.91	217.00	848.00	48587.91	245.00	395.39	48983.30
Carbonate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chloride	18.00	0.00	6019.05	48.00	132.62	6151.67	34.00	132.87	6284.54	36.00	58.10	6342.64
Fluoride	0.10	0.00	18.54	0.00	0.00	18.54	0.00	0.00	18.54	0.10	0.16	18.71
Magnesium	8.80	0.00	3615.14	25.70	71.01	3686.15	17.20	67.21	3753.36	18.30	29.53	3782.89
Nitrate(NO3)	0.00	0.00	4.52	0.00	0.00	4.52	0.00	0.00	4.52	0.00	0.00	4.52
Potassium	3.40	0.00	849.58	5.20	14.37	863.95	4.20	16.41	880.36	4.20	6.78	887.14
Silica	12.70	0.00	2985.87	9.30	25.69	3011.56	15.60	60.96	3072.53	14.90	24.05	3096.57
Sodium	43.00	0.00	10710.11	56.80	156.93	10867.04	57.10	223.14	11090.17	57.30	92.47	11182.65
Sulfate	318.00	0.00	108421.58	646.00	1784.81	110206.38	537.00	2098.51	112304.89	559.00	902.13	113207.02
TDS	603.00	0.00	207064.69	1130.00	3122.03	210186.72	1020.00	3985.99	214172.71	1060.00	1710.66	215883.37
TRACE METALS												
Aluminum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenic	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02
Barium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beryllium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boron	0.00	0.00	2.09	0.00	0.00	2.09	0.00	0.00	2.09	0.00	0.00	2.09
Cadmium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chromium	0.00	0.00	0.22	0.00	0.00	0.22	0.00	0.00	0.22	0.00	0.00	0.22
Cobalt	0.00	0.00	0.32	0.00	0.00	0.32	0.00	0.00	0.32	0.00	0.00	0.32
Copper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyanide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iron	0.18	0.00	86.17	0.16	0.44	86.61	0.48	1.88	88.49	0.50	0.81	89.30
Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manganese	0.08	0.00	40.47	0.06	0.17	40.64	0.18	0.70	41.34	0.22	0.36	41.70
Mercury	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Molybdenum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nickel	0.00	0.00	0.30	0.00	0.00	0.30	0.00	0.00	0.30	0.00	0.00	0.30
Selenium	0.00	0.00	0.15	0.02	0.04	0.19	0.00	0.00	0.19	0.00	0.00	0.19
Silver	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thallium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium	0.00	0.00	0.10	0.00	0.00	0.10	0.00	0.00	0.10	0.00	0.00	0.10
Zinc	0.00	0.00	4.23	0.00	0.00	4.23	0.00	0.00	4.23	0.00	0.00	4.23
RADIOMETRICS												
Uranium (mg/l)	0.01	0.00	2.84	0.09	0.26	3.09	0.01	0.06	3.15	0.01	0.02	3.17

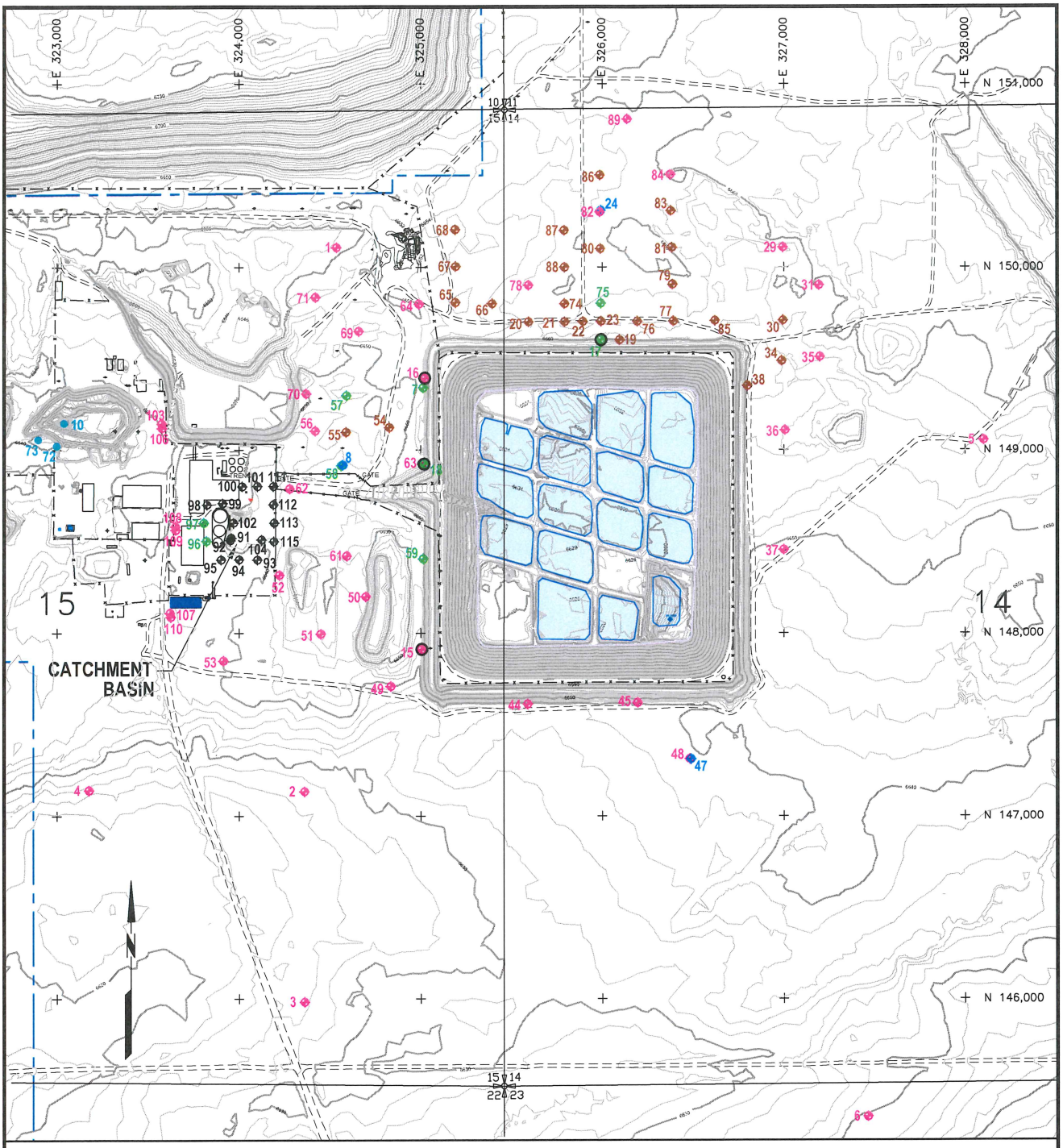
TMW-59												
CONTAMINANTS REMOVE	**2015**											
DATE FS	14-Jan-15			8-Apr-15			8-Jul-15			2-Nov-15		
(Started pumping 9/1/88)		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE
GALLONAGE		1,166,350	69,331,684		1,182,210	70,513,894		1,120,090	71,633,984		971,510	72,605,494
CONSTITUENTS	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED
	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)
MAJOR IONS												
Bicarbonate	306.00	1351.03	95183.24	310.00	1387.30	96570.54	333.00	1411.92	97982.46	336.00	1235.66	99218.12
Calcium	441.00	1947.07	136628.06	454.00	2031.72	138659.78	442.00	1874.08	140533.86	440.00	1618.13	142151.99
Carbonate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chloride	79.00	348.79	21071.95	85.00	380.39	21452.34	73.00	309.52	21761.86	73.00	268.46	22030.32
Fluoride	0.20	0.88	38.39	0.20	0.90	39.29	0.20	0.85	40.14	0.20	0.74	40.87
Magnesium	63.10	278.59	17141.57	64.20	287.30	17428.87	58.40	247.62	17676.49	60.00	220.65	17897.14
Nitrate(NO3)	0.00	0.00	15.74	0.00	0.00	15.74	0.00	0.00	15.74	0.00	0.00	15.74
Potassium	7.20	31.79	1854.97	7.30	32.67	1887.64	8.20	34.77	1922.41	7.20	26.48	1948.88
Silica	18.20	80.36	5042.08	18.10	81.00	5123.08	19.30	81.83	5204.91	17.50	64.36	5269.27
Sodium	95.30	420.76	24028.01	96.50	431.85	24459.86	84.70	359.13	24818.99	93.30	343.12	25162.11
Sulfate	1230.00	5430.59	358750.88	1230.00	5504.44	364255.32	1140.00	4833.60	369088.92	1130.00	4155.65	373244.57
TDS	2190.00	9669.10	650370.05	2190.00	9800.58	660170.64	2160.00	9158.40	669329.04	2120.00	7796.44	677125.48
TRACE METALS												
Aluminum	0.00	0.00	1.93	0.00	0.00	1.93	0.00	0.00	1.93	0.00	0.00	1.93
Arsenic	0.00	0.00	0.02	0.00	0.01	0.03	0.00	0.00	0.03	0.00	0.00	0.03
Barium	0.00	0.00	0.94	0.00	0.00	0.94	0.00	0.00	0.94	0.00	0.00	0.94
Beryllium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boron	0.00	0.00	6.80	0.00	0.00	6.80	0.00	0.00	6.80	0.00	0.00	6.80
Cadmium	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03
Chromium	0.00	0.00	0.22	0.00	0.00	0.22	0.00	0.00	0.22	0.00	0.00	0.22
Cobalt	0.01	0.03	2.90	0.01	0.02	2.93	0.01	0.03	2.95	0.01	0.02	2.97
Copper	0.00	0.00	0.19	0.00	0.00	0.19	0.00	0.00	0.19	0.00	0.00	0.19
Cyanide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iron	42.50	187.64	9687.88	42.70	191.09	9878.97	36.10	153.06	10032.03	39.00	143.43	10175.46
Lead	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.12
Manganese	3.61	15.94	956.95	3.72	16.65	973.60	3.58	15.18	988.78	3.32	12.21	1000.99
Mercury	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Molybdenum	0.00	0.00	0.26	0.00	0.00	0.26	0.00	0.00	0.26	0.00	0.00	0.26
Nickel	0.00	0.00	2.95	0.00	0.00	2.95	0.00	0.00	2.95	0.00	0.00	2.95
Selenium	0.00	0.00	0.18	0.00	0.00	0.18	0.00	0.00	0.18	0.00	0.00	0.18
Silver	0.00	0.00	0.06	0.00	0.00	0.06	0.00	0.00	0.06	0.00	0.00	0.06
Thallium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03
Zinc	0.00	0.00	3.12	0.00	0.00	3.12	0.00	0.00	3.12	0.00	0.00	3.12
RADIOMETRICS												
Uranium (mg/l)	0.01	0.05	2.51	0.01	0.05	2.56	0.01	0.05	2.61	0.01	0.04	2.66

TMW-75												
CONTAMINANTS REMOVED	**2015**											
DATE FS	14-Jan-15			21-Apr-15			13-Jul-15			2-Nov-15		
(Started pumping 5/1/88)		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE
GALLONAGE		407,020	61,436,990		750,690	62,187,680		727,030	62,914,710		693,750	63,608,460
CONSTITUENTS	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED
	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)
MAJOR IONS												
Bicarbonate	154.00	237.27	41954.68	161.00	457.51	42412.19	167.00	459.60	42871.79	163.00	428.06	43299.85
Calcium	118.00	181.81	39098.50	127.00	360.89	39459.39	127.00	349.52	39808.91	126.00	330.89	40139.80
Carbonate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chloride	17.00	26.19	5577.61	19.00	53.99	5631.60	20.00	55.04	5686.64	19.00	49.90	5736.54
Fluoride	0.10	0.15	30.89	0.10	0.28	31.17	0.10	0.28	31.45	0.10	0.26	31.71
Magnesium	8.70	13.40	3011.89	9.80	27.85	3039.73	10.10	27.80	3067.53	10.10	26.52	3094.05
Nitrate(NO3)	0.00	0.00	34.27	0.00	0.00	34.27	0.00	0.00	34.27	0.00	0.00	34.27
Potassium	3.40	5.24	835.21	3.20	9.09	844.31	3.40	9.36	853.66	3.50	9.19	862.85
Silica	15.00	23.11	3536.84	14.40	40.92	3577.76	16.20	44.58	3622.34	14.40	37.82	3660.16
Sodium	44.70	68.87	11468.77	45.50	129.30	11598.07	45.20	124.40	11722.46	45.30	118.96	11841.43
Sulfate	271.00	417.54	87032.33	254.00	721.78	87754.11	302.00	831.14	88585.25	281.00	737.94	89323.19
TDS	558.00	859.73	178098.39	599.00	1702.16	179800.55	646.00	1777.86	181578.41	617.00	1620.32	183198.73
TRACE METALS												
Aluminum	0.00	0.00	0.44	0.00	0.00	0.44	0.00	0.00	0.44	0.00	0.00	0.44
Arsenic	0.00	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.07	0.00	0.00	0.07
Barium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beryllium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boron	0.00	0.00	1.23	0.00	0.00	1.23	0.00	0.00	1.23	0.00	0.00	1.23
Cadmium	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.08
Chromium	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Cobalt	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02
Copper	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.08
Cyanide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iron	0.13	0.20	32.35	0.18	0.51	32.86	0.17	0.47	33.32	0.21	0.55	33.88
Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manganese	0.09	0.14	26.48	0.10	0.28	26.76	0.12	0.33	27.09	0.11	0.29	27.38
Mercury	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Molybdenum	0.00	0.00	0.26	0.00	0.00	0.26	0.00	0.00	0.26	0.00	0.00	0.26
Nickel	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0.45
Selenium	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.12
Silver	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02
Thallium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zinc	0.00	0.00	2.58	0.00	0.00	2.58	0.00	0.00	2.58	0.00	0.00	2.58
RADIOMETRICS												
Uranium (mg/l)	0.02	0.03	11.99	0.02	0.06	12.05	0.02	0.05	12.10	0.02	0.05	12.15

TMW-96												
CONTAMINANTS REMOVED	**2015**											
DATE FS	26-Jan-15			15-Apr-15			20-Jul-15			3-Nov-15		
Started pumping June 30, 2005		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE
GALLONAGE		0	20,237,121		423,710	20,660,831		612,160	21,272,991		262,010	21,535,001
CONSTITUENTS	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED
	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)
MAJOR IONS												
Bicarbonate	169.00	0.00	11034.64	183.00	293.52	11328.16	151.00	349.91	11678.07	157.00	155.72	11833.78
Calcium	386.00	0.00	13928.62	414.00	664.02	14592.64	185.00	428.70	15021.34	191.00	189.44	15210.78
Carbonate	0.00	0.00	3.01	0.00	0.00	3.01	0.00	0.00	3.01	0.00	0.00	3.01
Chloride	123.00	0.00	2043.32	135.00	216.53	2259.85	28.00	64.88	2324.73	28.00	27.77	2352.51
Fluoride	0.20	0.00	7.88	0.00	0.00	7.88	0.10	0.23	8.11	0.10	0.10	8.21
Magnesium	59.50	0.00	985.29	66.10	106.02	1091.31	12.10	28.04	1119.35	12.80	12.70	1132.04
Nitrate(NO3)	3.60	0.00	1.80	3.60	5.77	7.58	0.00	0.00	7.58	0.00	0.00	7.58
Potassium	5.60	0.00	301.72	5.70	9.14	310.86	3.50	8.11	318.97	3.90	3.87	322.84
Silica	11.90	0.00	1062.08	12.10	19.41	1081.49	14.20	32.91	1114.39	14.70	14.58	1128.97
Sodium	115.00	0.00	3874.20	113.00	181.24	4055.44	52.00	120.50	4175.94	53.70	53.26	4229.20
Sulfate	1090.00	0.00	34587.84	1180.00	1892.62	36480.47	464.00	1075.22	37555.68	459.00	455.24	38010.93
TDS	2010.00	0.00	63466.72	2190.00	3512.58	66979.30	876.00	2029.94	69009.24	872.00	864.86	69874.10
TRACE METALS												
Aluminum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenic	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Barium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beryllium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boron	0.00	0.00	0.38	0.00	0.00	0.38	0.00	0.00	0.38	0.00	0.00	0.38
Cadmium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chromium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cobalt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Copper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyanide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iron	0.00	0.00	3.05	0.05	0.08	3.13	0.06	0.14	3.27	0.06	0.06	3.33
Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manganese	0.08	0.00	8.44	0.06	0.10	8.54	0.12	0.28	8.81	0.12	0.12	8.93
Mercury	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Molybdenum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nickel	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02
Selenium	0.17	0.00	0.32	0.17	0.28	0.60	0.00	0.00	0.60	0.00	0.00	0.60
Silver	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thallium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zinc	0.00	0.00	0.27	0.01	0.02	0.28	0.00	0.00	0.28	0.00	0.00	0.28
RADIOMETRICS												
Uranium (mg/l)	1.17	0.00	3.73	1.43	2.29	6.02	0.03	0.07	6.09	0.02	0.02	6.11

TMW-97												
CONTAMINANTS REMOVED	**2015**											
DATE FS	25-Mar-15			2-Jun-15			2-Sep-15			3-Nov-15		
Started pumping 9/6/05		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE		VOLUME 2015	CUMULATIVE
GALLONAGE		0	24,263,800		759,100	25,022,900		1,099,030	26,121,930		444,780	26,566,710
CONSTITUENTS	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED	ANALYSIS	QUANTITY REMOVED	QUANTITY REMOVED
	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)	(PPM)	(KG)	(KG)
MAJOR IONS												
Bicarbonate	188.00	0.00	11566.59	128.00	367.81	11934.40	125.00	520.04	12454.43	148.00	249.18	12703.62
Calcium	417.00	0.00	14365.32	152.00	436.77	14802.09	172.00	715.57	15517.66	172.00	289.59	15807.25
Carbonate	0.00	0.00	4.70	0.00	0.00	4.70	0.00	0.00	4.70	0.00	0.00	4.70
Chloride	74.00	0.00	2000.26	28.00	80.46	2080.71	25.00	104.01	2184.72	26.00	43.78	2228.50
Fluoride	0.10	0.00	11.85	0.10	0.29	12.14	0.00	0.00	12.14	0.10	0.17	12.31
Magnesium	65.40	0.00	1060.20	12.40	35.63	1095.83	12.50	52.00	1147.83	11.90	20.04	1167.87
Nitrate(NO3)	0.00	0.00	1.04	0.00	0.00	1.04	0.00	0.00	1.04	0.00	0.00	1.04
Potassium	5.80	0.00	326.79	3.80	10.92	337.70	3.70	15.39	353.10	3.60	6.06	359.16
Silica	11.20	0.00	1297.50	14.80	42.53	1340.03	14.90	61.99	1402.02	14.10	23.74	1425.76
Sodium	103.00	0.00	4230.35	53.90	154.88	4385.23	52.10	216.75	4601.98	49.90	84.02	4686.00
Sulfate	1240.00	0.00	34546.42	419.00	1204.00	35750.42	412.00	1714.04	37464.46	426.00	717.25	38181.70
TDS	2110.00	0.00	65473.11	792.00	2275.82	67748.92	787.00	3274.14	71023.06	805.00	1355.36	72378.42
TRACE METALS												
Aluminum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arsenic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beryllium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Boron	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cadmium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chromium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cobalt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Copper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyanide	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iron	0.89	0.00	8.31	0.00	0.00	8.31	0.10	0.42	8.73	0.16	0.27	9.00
Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manganese	0.30	0.00	10.09	0.12	0.34	10.43	0.11	0.46	10.89	0.11	0.19	11.08
Mercury	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Molybdenum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nickel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Selenium	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01
Silver	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thallium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vanadium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zinc	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.12	0.00	0.00	0.12
RADIOMETRICS												
Uranium (mg/l)	0.81	0.00	4.10	0.05	0.14	4.24	0.04	0.17	4.41	0.04	0.06	4.47

Maps



SCALE IN FEET

0 800

TOPOGRAPHY UPDATED JULY 2008
BY: WORTHINGTON, LENHART, AND CARPENTER
P.O. BOX 1104, 1015 HARSHMAN ST.
RAWLINS, WY 82301

CONTOURS FOR TAILINGS AND SOME OTHER AREAS ARE IN ONE (1) FOOT INTERVALS
UPDATED JULY 2013

NOTE:
ALL WELLS HAVE A TMW PREFIX (TYP.)

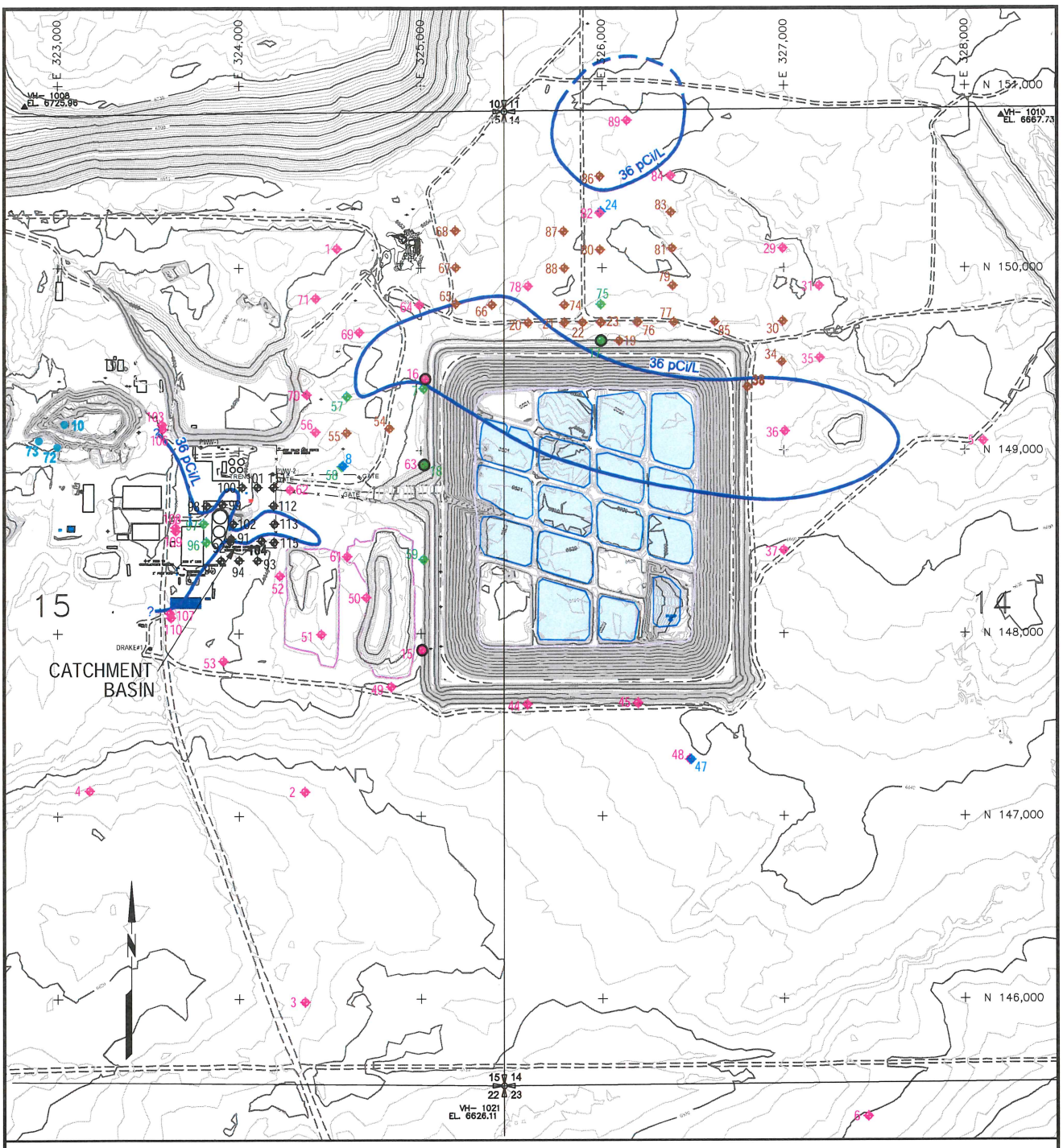
LEGEND

- SHALLOW WELLS (PERCHED)
- DEEP AQUIFER WELLS
- AQUIFER WELLS
- PUMPBACK WELLS, AQUIFER
- COMPLIANCE MONITORING WELLS
- POINT OF COMPLIANCE (POC) WELLS (TAILINGS IMPOUNDMENT)
- CONTAMINATED SOIL EXCAVATION MONITOR WELLS

RioTinto

SWEETWATER URANIUM FACILITY
MONITOR WELL LOCATIONS
2015 CORRECTIVE ACTION PROGRAM REVIEW

Date:	JANUARY 2016
Project:	06-442\REP2015
File:	2015-Wells.dwg



SCALE IN FEET

0 800

TOPOGRAPHY UPDATED JULY 2008
BY: WORTHINGTON, LENHART, AND CARPENTER
P.O. BOX 1104, 1015 HARSHMAN ST.
RAWLINS, WY 82301

CONTOURS FOR TAILINGS AND SOME OTHER AREAS ARE IN ONE (1) FOOT INTERVALS
UPDATED JULY 2013

LEGEND

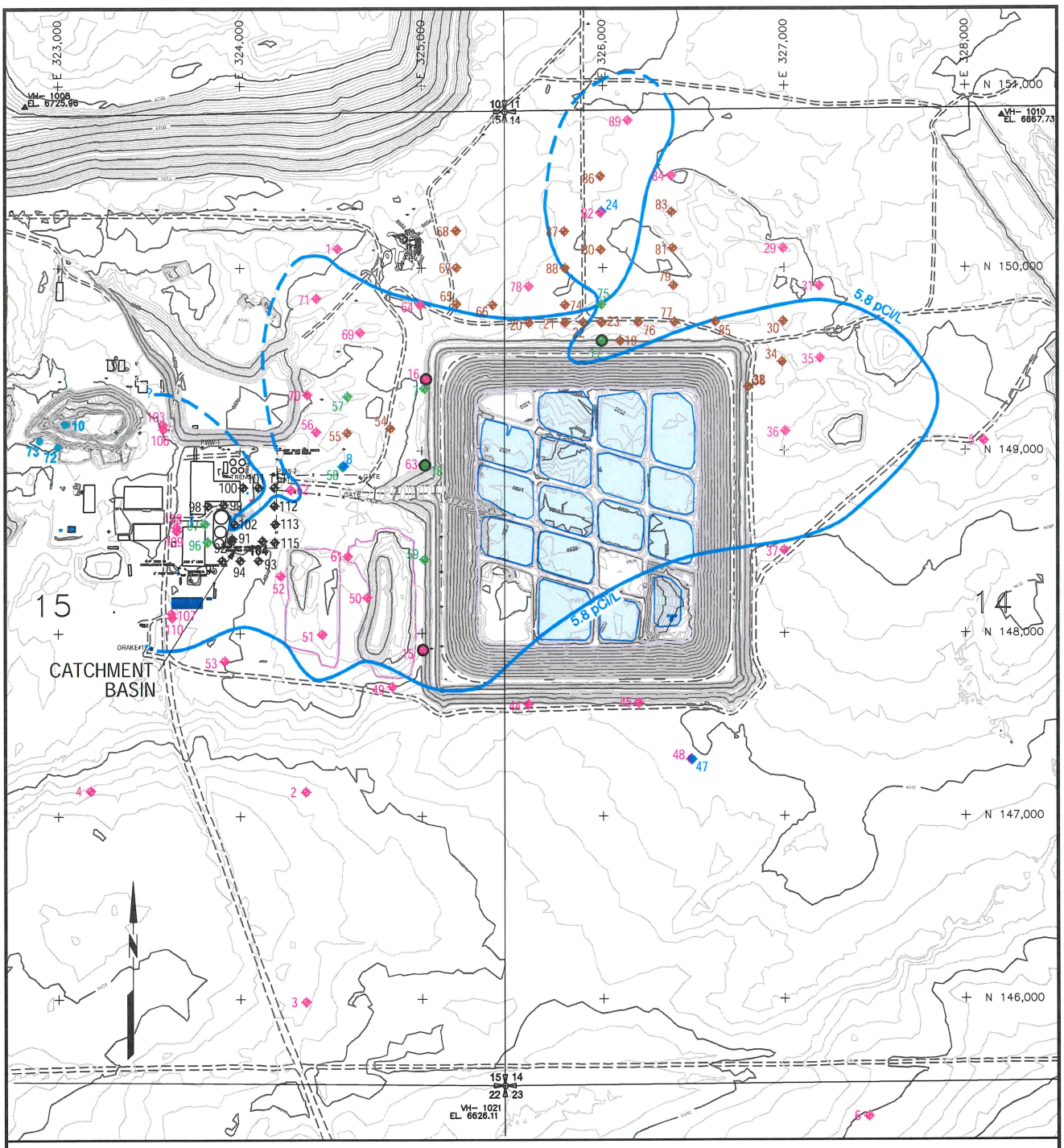
- AVERAGE URANIUM (UNAT) CONTOUR
- SHALLOW WELLS (PERCHED)
- DEEP AQUIFER WELLS
- AQUIFER WELLS
- PUMPBACK WELLS, AQUIFER
- COMPLIANCE MONITORING WELLS
- POINT OF COMPLIANCE (POC) WELLS (TAILINGS IMPOUNDMENT)
- CONTAMINATED SOIL EXCAVATION MONITOR WELLS

NOTE:
ALL WELLS HAVE A TMW PREFIX (TYP.)

RioTinto

SWEETWATER URANIUM FACILITY
AVERAGE NATURAL URANIUM (U-nat) PLUME MAP
2015 CORRECTIVE ACTION PROGRAM REVIEW

Date:	FEBRUARY 2016
Project:	06-442\REP2015
File:	2015-Corrective Action Program Review.dwg



SCALE IN FEET

0 800

TOPOGRAPHY UPDATED JULY 2008
BY: WORTHINGTON, LENHART, AND CARPENTER
P.O. BOX 1104, 1015 HARSHMAN ST.
RAWLINS, WY 82301

CONTOURS FOR TAILINGS AND SOME OTHER AREAS ARE IN ONE (1) FOOT INTERVALS
UPDATED JULY 2013

LEGEND

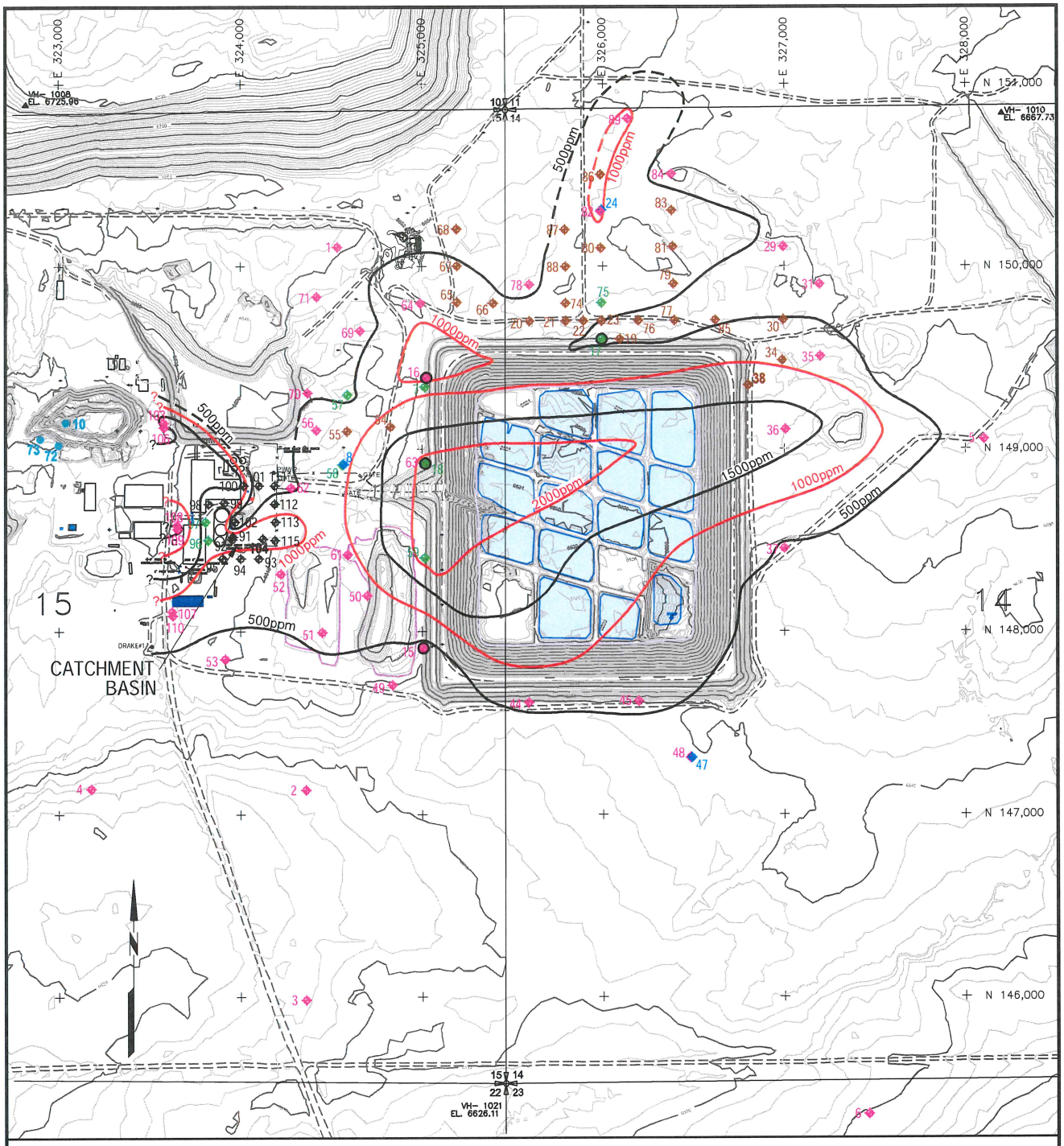
- COMBINED RADIUM 226/228 AVERAGE CONTOUR
- SHALLOW WELLS (PERCHED)
- DEEP AQUIFER WELLS
- AQUIFER WELLS
- PUMPBACK WELLS, AQUIFER
- COMPLIANCE MONITORING WELLS
- POINT OF COMPLIANCE (POC) WELLS (TAILINGS IMPOUNDMENT)
- CONTAMINATED SOIL EXCAVATION MONITOR WELLS

NOTE:
ALL WELLS HAVE A TMW PREFIX (TYP.)

RioTinto

SWEETWATER URANIUM FACILITY
AVERAGE COMBINED RADIUM-226/228
CONTOUR MAP
2015 CORRECTIVE ACTION PROGRAM REVIEW

Date:	FEBRUARY 2016
Project:	06-442\REP2015
File: 2015-Corrective Action Program Review.dwg	



SCALE IN FEET

0 800

TOPOGRAPHY UPDATED JULY 2008
BY: WORTHINGTON, LENHART, AND CARPENTER
P.O. BOX 1104, 1015 HARSHMAN ST.
RAWLINS, WY 82301

CONTOURS FOR TAILINGS AND SOME OTHER AREAS ARE IN ONE (1) FOOT INTERVALS
UPDATED JULY 2013

LEGEND

500 ppm TDS CONTOUR

TOTAL DISSOLVED SOLIDS (TDS) CONTOURS BASED ON THE AVERAGE TOTAL DISSOLVED SOLIDS (TDS) ANALYSIS RESULT FOR A GIVEN WELL IN 2015

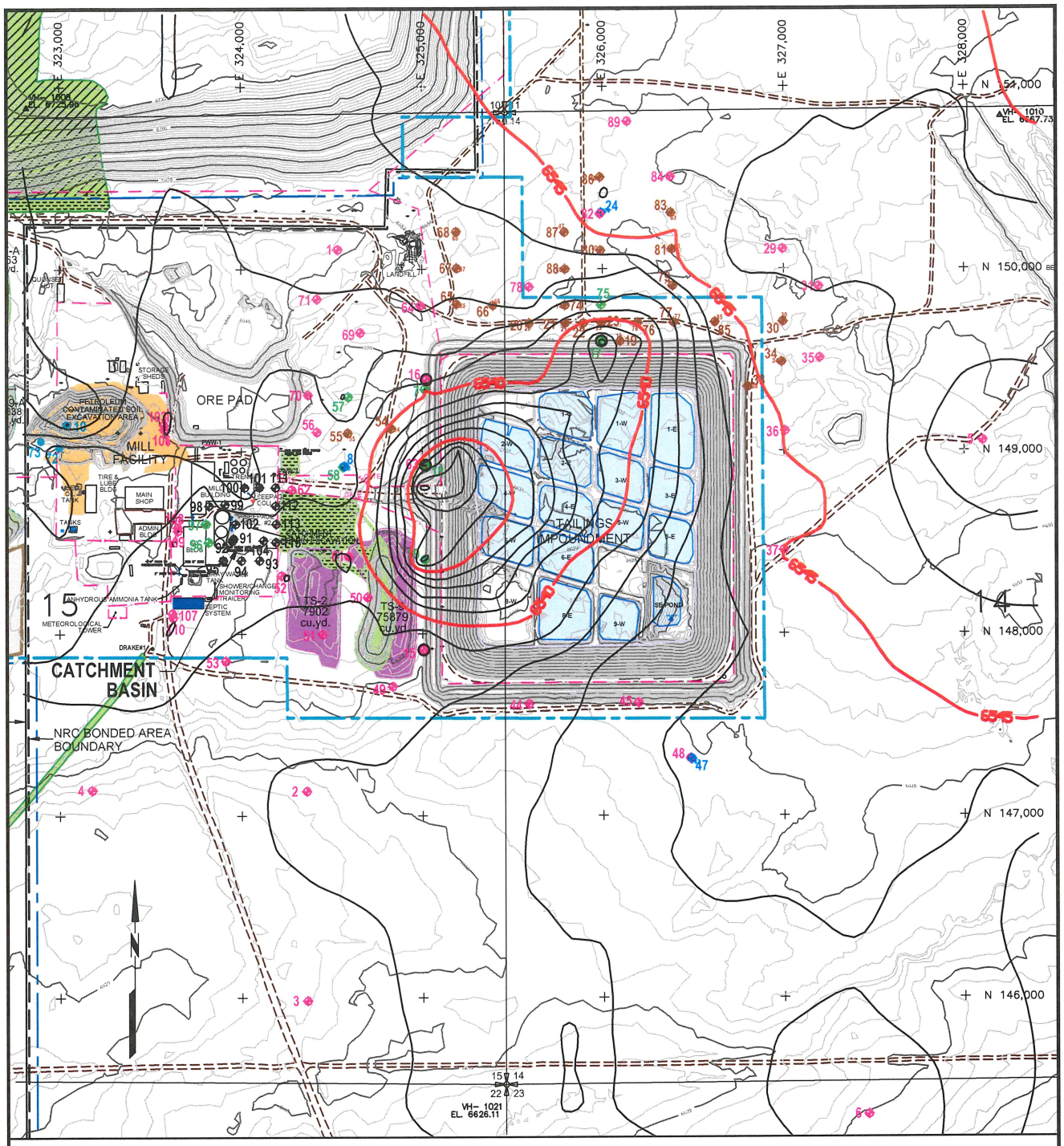
NOTE:
ALL WELLS HAVE A TMW PREFIX (TYP.)

- SHALLOW WELLS (PERCHED)
- DEEP AQUIFER WELLS
- AQUIFER WELLS
- PUMPBACK WELLS, AQUIFER
- COMPLIANCE MONITORING WELLS
- POINT OF COMPLIANCE (POC) WELLS (TAILINGS IMPOUNDMENT)
- CONTAMINATED SOIL EXCAVATION MONITOR WELLS

RioTinto

SWEETWATER URANIUM FACILITY
AVERAGE TDS CONTOUR MAP
2015 CORRECTIVE ACTION PROGRAM REVIEW

Date:	FEBRUARY 2016
Project:	06-442\REP2015
File:	2015-Corrective Action Program Review.dwg



SCALE IN FEET

0 800

TOPOGRAPHY UPDATED JULY 2009
BY ROBERT JACK SMITH & ASSOC.
INC. CONSULTING LAND
SURVEYORS
P.O. BOX 1104, 1015 HARSHMAN ST.
RAWLINS, WY 82301

LEGEND

- 5' GROUNDWATER CONTOUR
- 1' GROUNDWATER CONTOUR
- MILL BOUNDARY

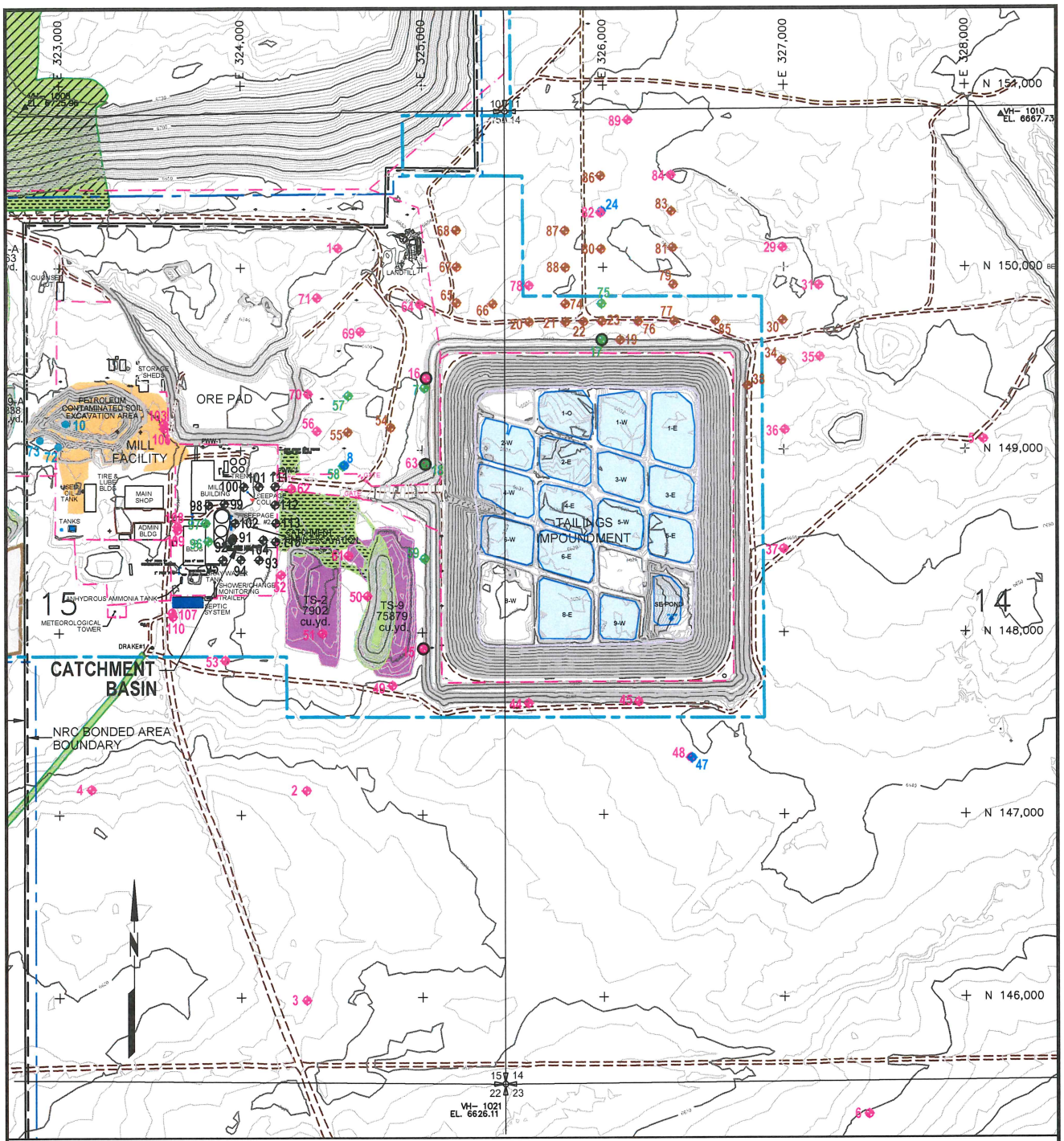
NOTE:
ALL WELLS HAVE A TMW PREFIX (TYP.)

- SHALLOW WELLS (PERCHED)
- DEEP AQUIFER WELLS
- AQUIFER WELLS
- PUMPBACK WELLS, AQUIFER
- COMPLIANCE MONITORING WELLS
- POINT OF COMPLIANCE (POC) WELLS (TAILINGS IMPOUNDMENT)
- CONTAMINATED SOIL EXCAVATION MONITOR WELLS

RioTinto

SWEETWATER URANIUM FACILITY
FALL PIEZOMETRIC CONTOUR MAP
2015 CORRECTIVE ACTION PROGRAM REVIEW

Date:	JANUARY 2016
Project:	06-442\REP2015
File:	2015-GW-Fall.dwg



SCALE IN FEET

0 800

TOPOGRAPHY UPDATED JULY 2008
BY: WORTHINGTON, LENHART, AND CARPENTER
P.O. BOX 1104, 1015 HARSHMAN ST.
RAWLINS, WY 82301

CONTOURS FOR TAILINGS AND SOME OTHER AREAS ARE IN ONE (1) FOOT INTERVALS
UPDATED JULY 2013

LEGEND

- 5' GROUNDWATER CONTOUR
- 1' GROUNDWATER CONTOUR
- MILL BOUNDARY
- SHALLOW WELLS (PERCHED)
- DEEP AQUIFER WELLS
- AQUIFER WELLS
- PUMPBACK WELLS, AQUIFER
- COMPLIANCE MONITORING WELLS
- POINT OF COMPLIANCE (POC) WELLS (TAILINGS IMPOUNDMENT)
- CONTAMINATED SOIL EXCAVATION MONITOR WEL

ALL WELLS HAVE A TMW PREFIX (TYP.)

RioTinto

SWEETWATER URANIUM FACILITY
SPRING PIEZOMETRIC CONTOUR MAP
2015 CORRECTIVE ACTION PROGRAM REVIEW

Date:	JANUARY 2016
Project:	06-442\REP2015
File:	2015-GW-Spring.dwg

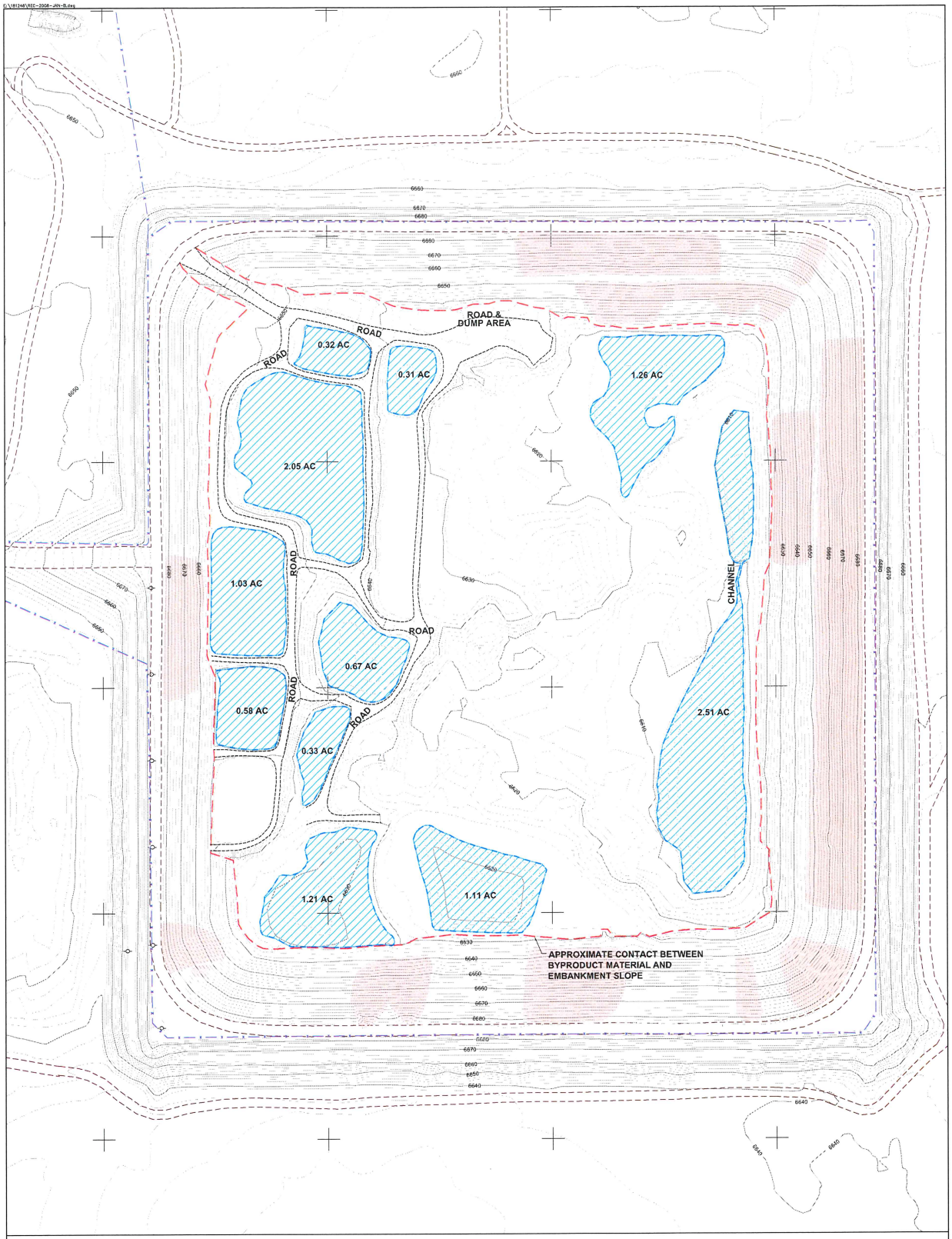
Tailings Impoundment – June 8, 2014

Image from Google Earth

Tailings Impoundment – July 21, 1994

Image from Google Earth

E:\181246\REC-2006-JAN-B.dwg



NOTES:

1. TOPOGRAPHY OF TAILINGS AREA FROM GPS SURVEY BY ROBERT JACK SMITH & ASSOC. AUGUST 23, 2005.
2. SURROUNDING TOPOGRAPHY FROM NOVEMBER 3, 1996 AERIAL PHOTOGRAPHY.
3. APPROXIMATE TAILINGS POND AREAS FROM AUGUST 23, 2005 GPS SURVEY DATA AND JULY 25, 2005 DIGITAL PHOTOGRAPHY BY MFG, INC.
4. APPROXIMATE SYNTHETIC LINER AREAS FROM JULY 25, 2005 DIGITAL PHOTOGRAPHY BY MFG, INC.

LEGEND:

APPROXIMATE POND AREAS, JULY-AUGUST 2005

APPROXIMATE AREAS OF WIND-DAMAGED SYNTHETIC LINER, JULY 2005

N

SCALE IN FEET

100 0 200

REVISIONS	No.	DESCRIPTION	BY	CHKD.	DATE
	A	PREPARED FOR KEC USE AND CONTRACTOR BIDDING	CLS		01/06

PREPARED BY

MFG consulting scientists and engineers

PREPARED FOR

Kennecott Energy

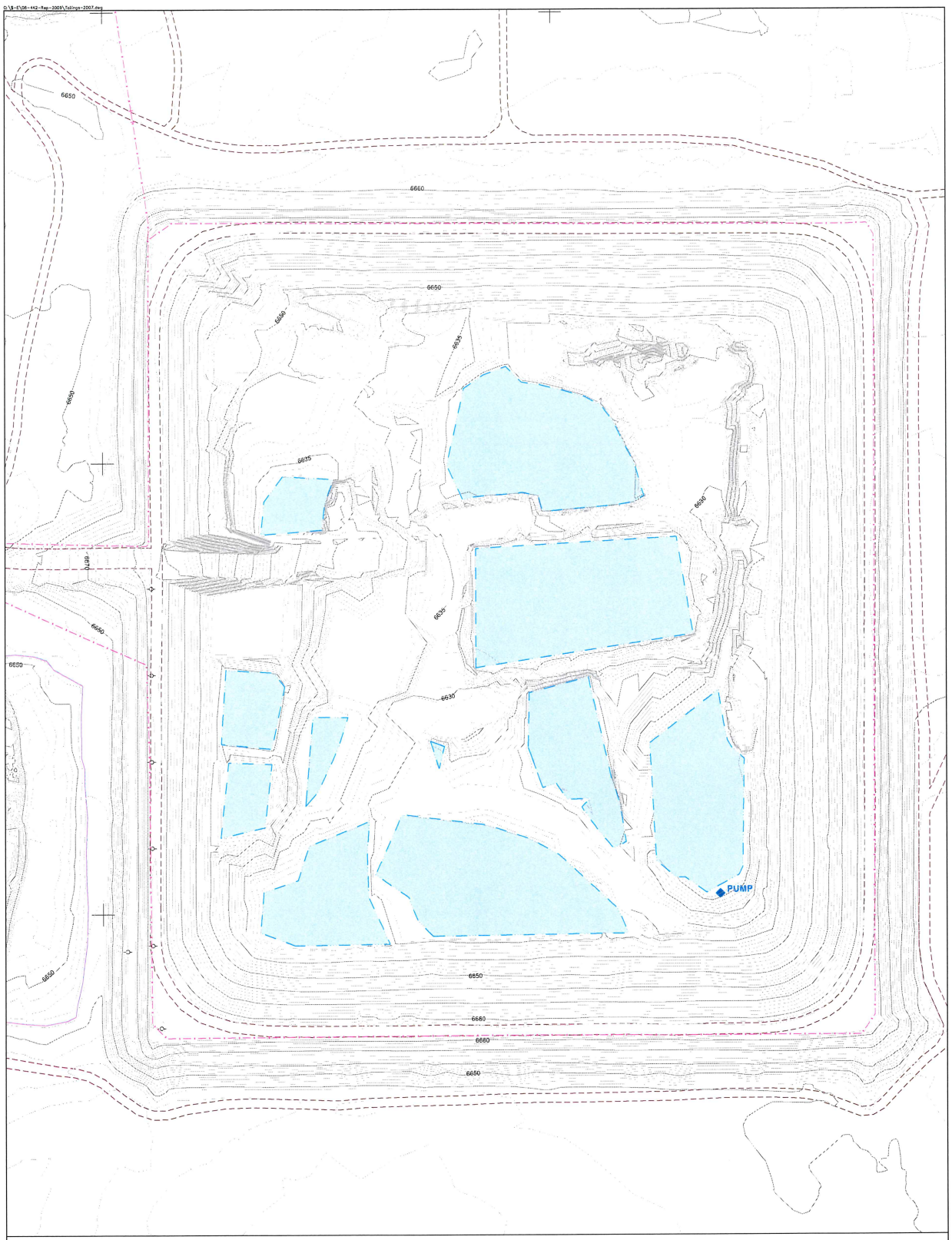
SWEETWATER URANIUM PROJECT

EXISTING IMPOUNDMENT CONFIGURATION

PROJECT	DATE	DRAWING	REVISION
181246	JANUARY 2006	1	A
SCALE: AS SHOWN	ACAD FILE: REC-2006-JAN-B.dwg		

Tailings Impoundment – July 10, 2006

Image from Google Earth



LEGEND:

WATER COVERED AREA

N

SCALE IN FEET

100 0 200

REVISIONS	NO.	DESCRIPTION	BY	CHKD.	DATE

PREPARED BY

TETRA TECH

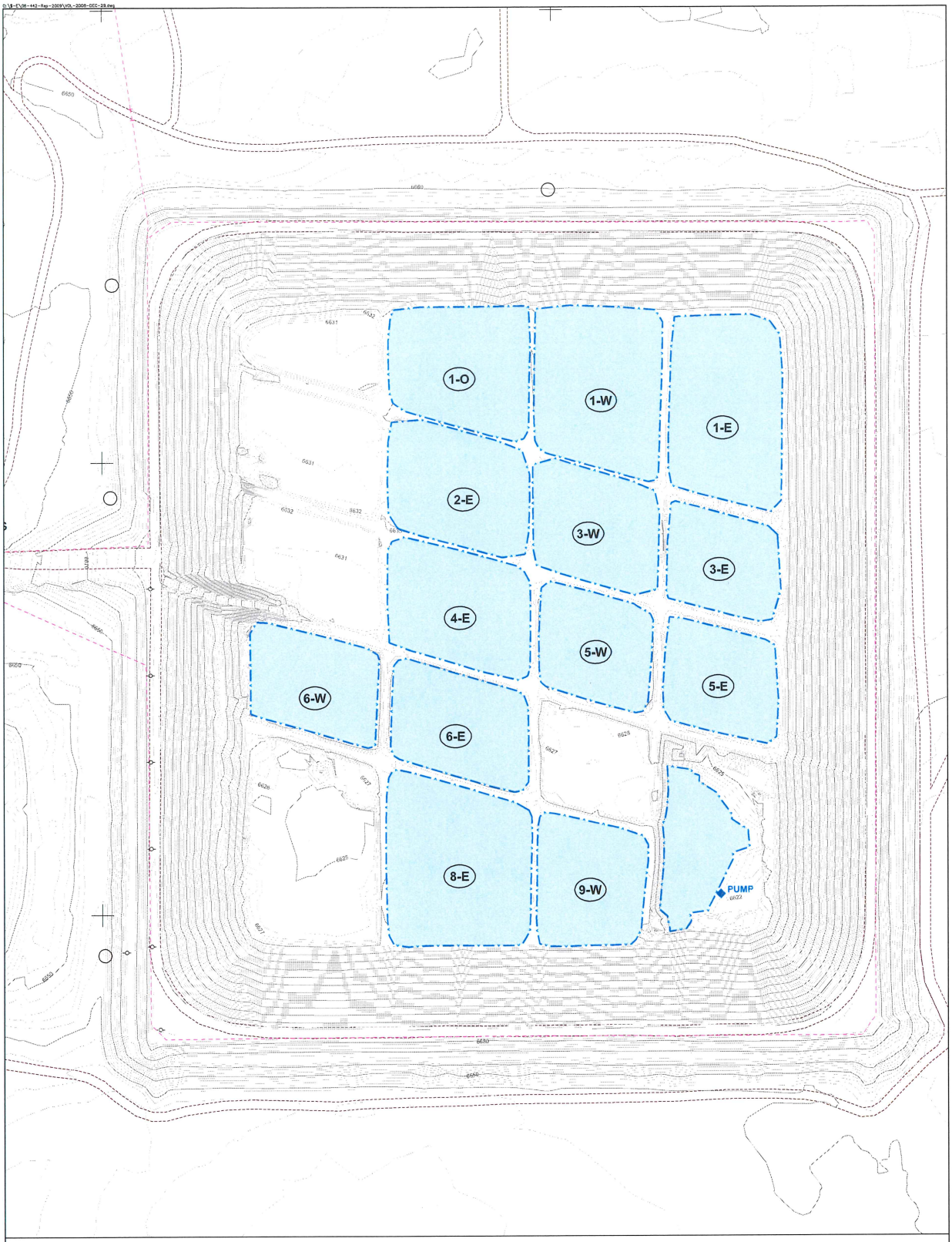
PREPARED FOR

RIO TINTO ENERGY AMERICA

SWEETWATER URANIUM PROJECT

EXISTING CONTOURS
OCTOBER 2007

PROJECT: 160889 (181246)	DATE: FEBRUARY 2009	DRAWING: •	REVISION: △
SCALE: AS SHOWN	ACAD FILE: TAILINGS-2007.dwg		



LEGEND:

(1W) POND DESIGNATION

WATER COVERED AREA

POST-REGRADING CONTOURS FROM DECEMBER 29, 2008

N

SCALE IN FEET

100 0 200

REVISIONS No.	DESCRIPTION	BY	CHKD.	DATE

PREPARED BY: TETRA TECH

PREPARED FOR: RIO TINTO ENERGY AMERICA

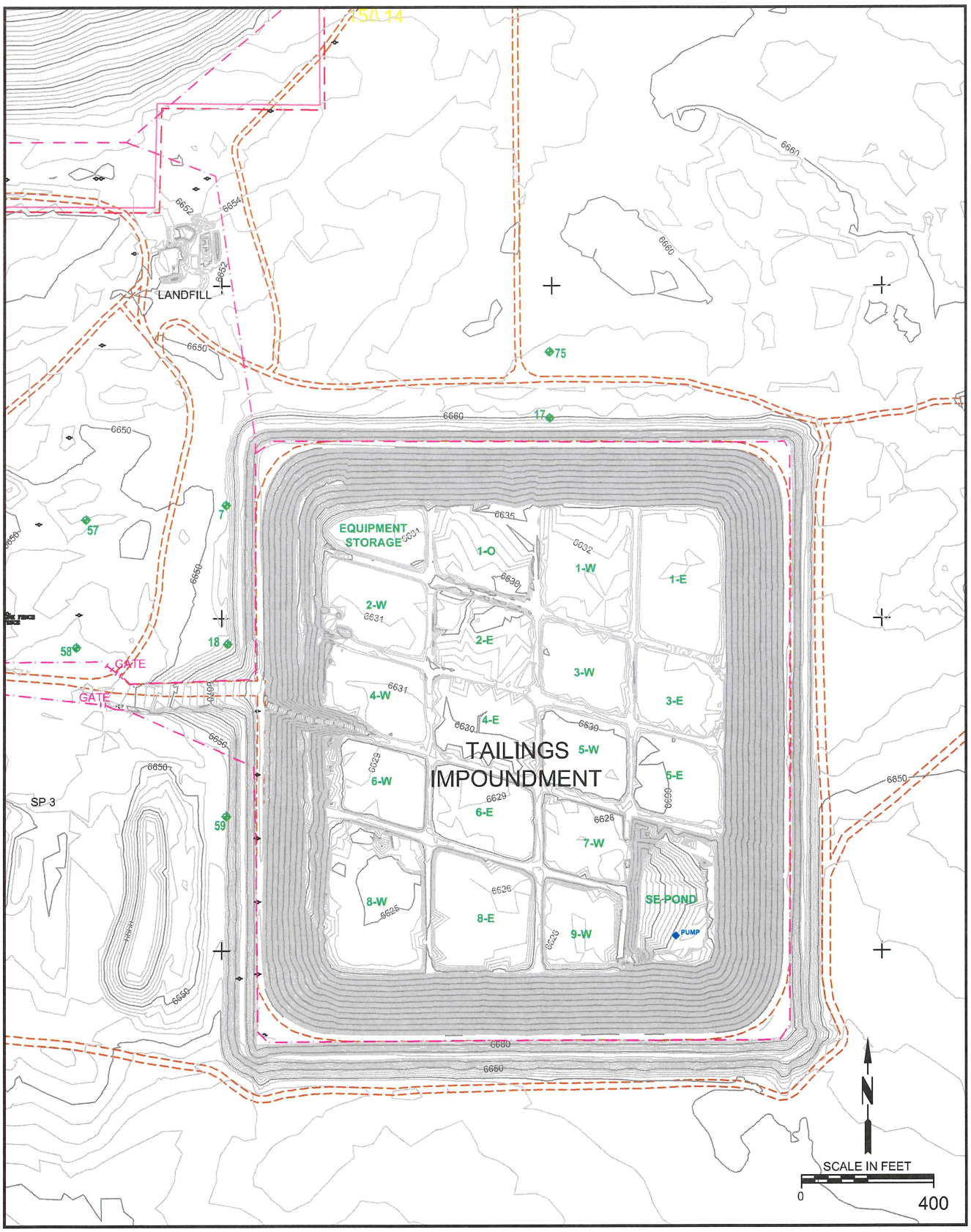
SWEETWATER URANIUM PROJECT

EXISTING CONTOURS
DECEMBER 29, 2008

PROJECT: 180889 (181246)	DATE: JANUARY 2009	DRAWING: -	REVISION: 0
SCALE: AS SHOWN	ACAD FILE: VOL-2008-DEC-29.dwg		

Tailings Impoundment – July 4, 2009

Image from Google Earth



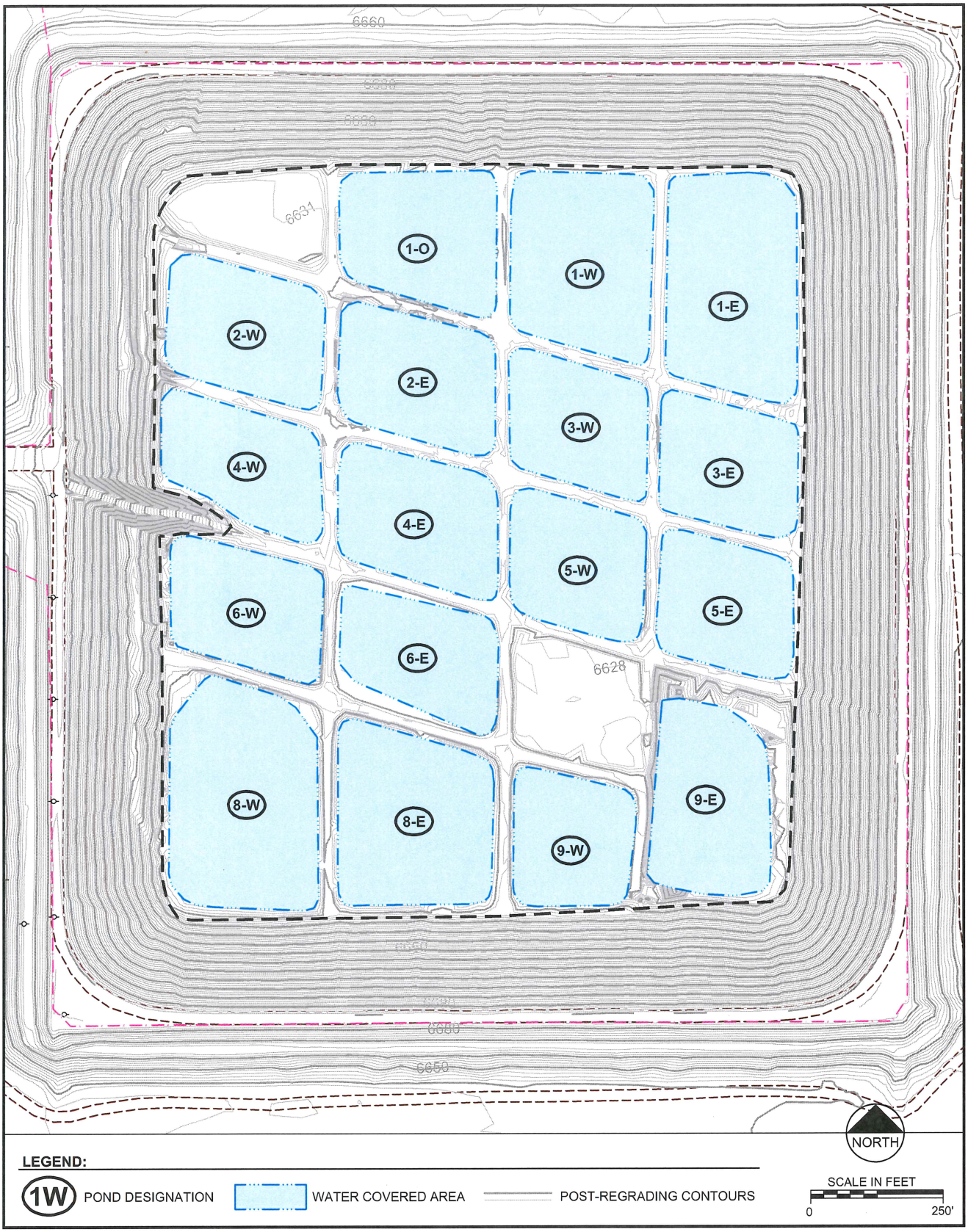
PROJECT:	TASK:
451101	-

PREPARED BY: TELESTO SOLUTIONS INCORPORATED

FIGURE 2
JULY 2009 TAILINGS AREA SURVEY

PREPARED FOR: SWEETWATER URANIUM FACILITY

7/8/2010 R:\Sweetwater\SweetwaterUranium\Calculations\AutoCad\TOPO2009-JUL_Telesto exhibits.dwg



SWEETWATER URANIUM FACILITY
TAILINGS IMPOUNDMENT – DECEMBER 2009

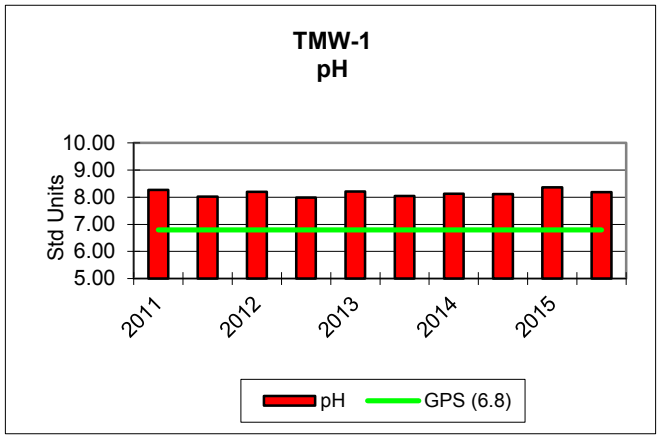
Date:	FEBRUARY 2010
Project:	06-442\REP2010\
File:	Tailings 2009-Dec.dwg

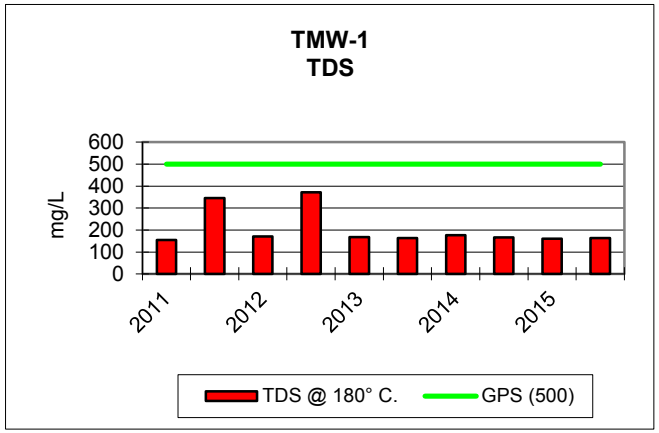
Tailings June 15, 2015

Tailings October 1, 2015

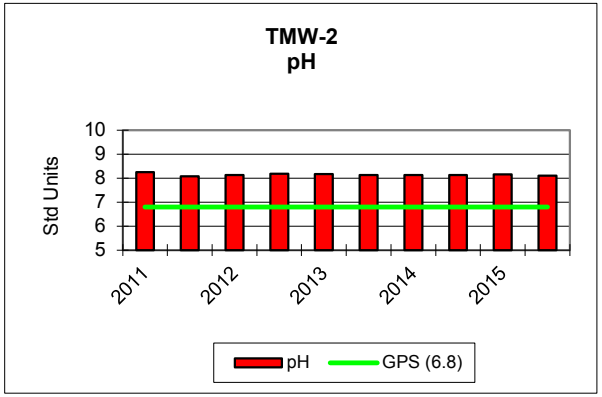
Tailings Monitor Well Data Analyses & Control Charts

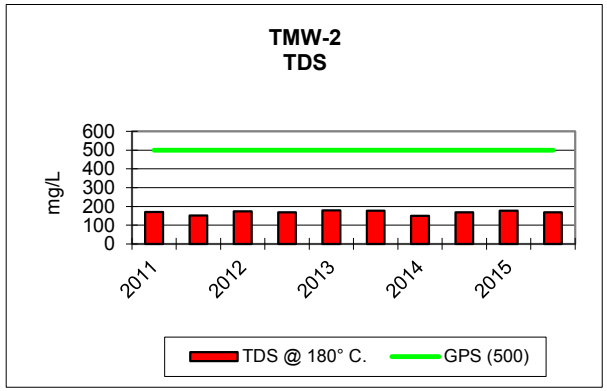
KENNECOTT URANIUM COMPANY											
TMW-1		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/27/2011	8/16/2011	1/23/2012	7/10/2012	2/13/2013	7/15/2013	1/18/2014	7/1/2014	1/13/2015	7/7/2015
TDS A/C Balance *(dec. %)*		-1.06	-1.98	-1.17	3.86	-1.45	-2.94	-1.46	0.04	2.43	0.87
Alk-CaC03		86	103	80	112	87	96	90	87	84	90
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	<0.001	0.002	<0.001	0.002	0.002	0.002	0.002	0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		104	126	97	137	106	117	110	107	103	109
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		18.7	64.4	17.2	79.1	19.3	18.8	23.1	18.8	17.9	19.5
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		2	4	2	4	2	2	3	2	3	2
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		234	500	245	562	258	251	289	249	285	248
Cond-Field *(umhos/cm)*		271	564	341	612	285	280	313	279	278	278
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	0.8	4.3	1.3	2.2	1.5	0.9	1.4	1.2	8.3	1.9
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	1.1	<1	<1	<1	<1	0.2	0.4
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		0.9	3.7	0.8	4.3	1	0.9	1.2	0.8	0.8	0.9
Manganese (Mn)	GPS (0.2)	0.01	0.07	0.01	0.08	0.01	0.01	0.01	<0.01	<0.01	0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.27	8.02	8.20	7.99	8.21	8.04	8.13	8.11	8.36	8.19
pH (Field) *(Std. Units)*		7.2	7.4	7.8	7.7	7.8	8.65	8.1	8.8	8.09	8.11
Potassium (K)		1.4	2.2	1.3	2.6	1.4	1.4	1.5	1.4	1.3	1.4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	2.13	6.2	1.79	5.4	2.2	3.39	3.6	1.66	2.6	5.4
Radium 226 *(pCi/L)*		0.83	2.3	0.69	3	1.5	0.89	1.6	0.96	1.3	1.4
Radium 228 *(pCi/L)*		1.3	3.9	1.1	2.4	0.7	2.5	2	0.7	2.9	4
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.5	13.1	11.5	12.3	13.8	13.5	12.8	13.2	13	14.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		34.7	32.7	33.8	38	34.3	34.8	35.7	34.8	32.7	36.4
TDS @ 180° *C.*	GPS (500)	155	346	171	371	168	163	176	166	161	164
Sulfate (SO4)		39	145	40	155	40	35	50	36	36	36
Temperature *(C)*		11.1	11.8	11	12.1	8.4	13.8	9.8	10.3	9.3	10
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	0.02	0.2	0.03	0.04	0.2	0.1
Uranium, natural *(pCi/L)*	GPS (36)	2.1	12.5	2	16.7	3.4	1.8	2.5	1.2	1.1	0.7
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

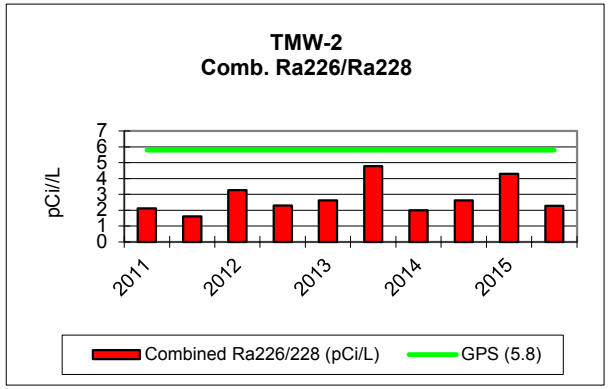

TMW-1
pH
Std Units
10.00
9.00
8.00
7.00
6.00
5.00
2011
2012
2013
2014
2015
pH
GPS (6.8)


TMW-1
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

KENNECOTT URANIUM COMPANY											
TMW-2		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/27/2011	8/2/2011	1/24/2012	8/28/2012	2/12/2013	7/15/2013	1/18/2014	7/14/2014	1/13/2015	7/14/2015
TDS A/C Balance *(dec. %)*		-0.813	0.614	-1.74	-5.25	-1.49	-2.96	-1.86	1.09	1	1.22
Alk-CaC03		92	86	87	100	92	100	89	92	90	92
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.002	0.001	0.001	0.002	0.002	0.002	0.002	0.001	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		112	102	100	122	112	122	109	112	109	112
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		24.3	22.9	21.3	22.7	22.8	23.8	20.2	22.7	25	26.6
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		3	3	2	3	2	2	2	3	3	3
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		250	252	264	269	267	275	261	275	278	271
Cond-Field *(umhos/cm)*		283	307	281	310	284	287	297	236	299	280
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	0.9	0.7	0.6	0.7	0.6	1	0.7	0.6	7.5	5.5
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		1.2	1.2	1.1	1.1	1.2	1.3	1	1.3	1.3	1
Manganese (Mn)	GPS (0.2)	0.01	0.01	0.01	0.01	0.01	0.01	<0.01	0.01	0.01	0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.26	8.09	8.14	8.19	8.18	8.14	8.14	8.14	8.16	8.11
pH (Field) *(Std. Units)*		7.3	8.2	8.1	8	7.86	8.45	8	6.8	8.69	8.31
Potassium (K)		1.5	1.4	1.4	1.5	1.4	1.5	1.4	1.7	1.6	4.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	2.12	1.61	3.28	2.3	2.63	4.79	1.99	2.62	4.3	2.29
Radium 226 *(pCi/L)*		0.72	0.81	0.58	1.1	0.83	0.99	0.89	0.82	1.6	0.89
Radium 228 *(pCi/L)*		1.4	0.8	2.7	1.2	1.8	3.8	1.1	1.8	2.7	1.4
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		16.7	13	12.3	13.1	13.1	14	13.4	15	14	15
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		32	32.7	32.4	32.1	32.4	33.2	33.2	34.3	33.7	28
TDS @ 180° *C.*	GPS (500)	170	152	174	169	179	178	151	169	177	169
Sulfate (SO4)		42	42	42	42	40	41	39	43	44	
Temperature *(C)*		10.8	13.2	10.9	12.3	11.7	12.9	8.4	10.7	9	10.2
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	0.02	<0.2	0.03	0.04	0.5	0.2	0.08	0.2
Uranium, natural *(pCi/L)*	GPS (36)	0.4	0.3	0.7	0.4	0.2	0.2	0.5	0.7	0.4	0.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01

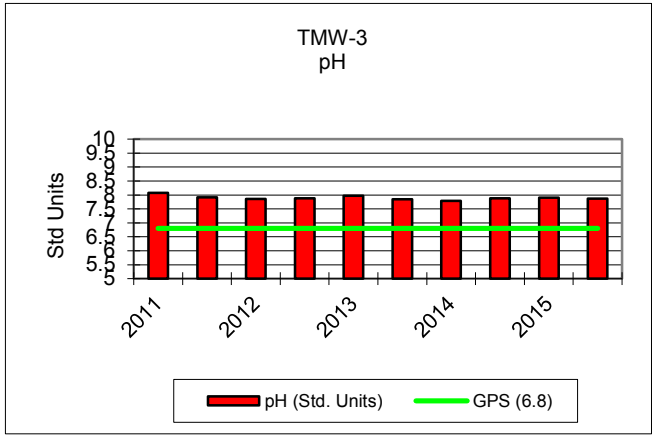

TMW-2
pH
Std Units
10
9
8
7
6
5
2011
2012
2013
2014
2015
pH
GPS (6.8)

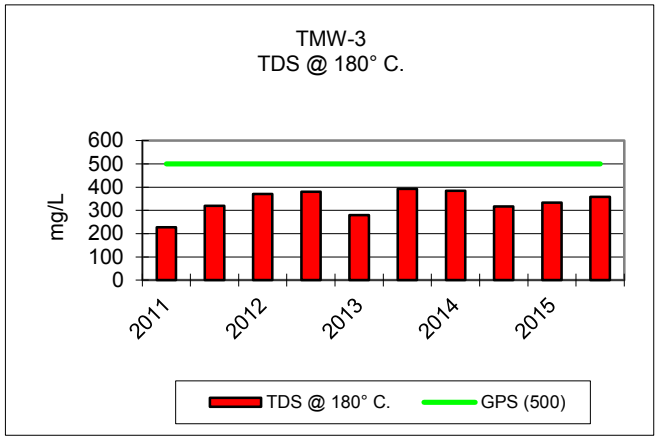

TMW-2
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-2
Comb. Ra226/Ra228
pCi/L
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

TMW-2

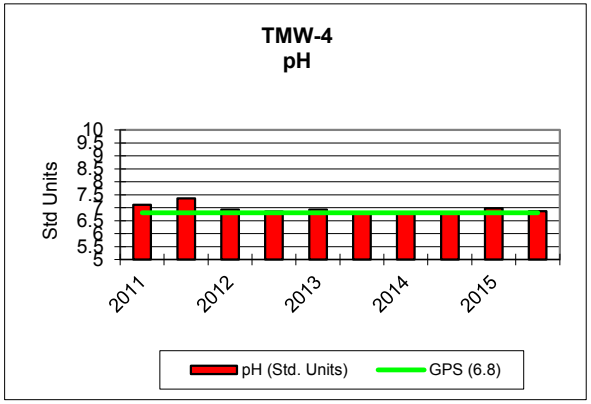
KENNECOTT URANIUM COMPANY											
TMW-3		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/9/2011	7/25/2011	1/19/2012	8/13/2012	2/12/2013	7/15/2013	1/18/2014	7/14/2014	1/13/2015	7/14/2015
TDS A/C Balance *(dec. %)*		-2.05	-1.28	-2.49	-0.475	-1.44	-1.83	0.21	0.09	0.72	2.58
Alk-CaC03		96	99	105	109	98	119	105	104	98	104
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		117	121	128	133	119	146	128	127	120	127
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		39.2	53.4	68.5	71.8	46.4	73.9	74.8	66.5	61.1	67.1
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		4	5	5	5	4	6	5	5	5	5
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		364	459	566	567	415	572	581	543	495	535
Cond-Field *(umhos/cm)*		390	537	612	605	439	586	651	623	499	577
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1
Gross Alpha *(pCi/L)*	GPS (15)	1.4	1.4	2.1	3.5	1	1.4	1.4	1.3	8.4	4.9
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.11	0.08
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	0.2	0.08	-0.6	-0.2	-0.1	0.04
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		2.5	4.6	6.6	6.6	3.4	6.4	6.6	6.3	4.9	5.3
Manganese (Mn)	GPS (0.2)	0.02	0.04	0.05	0.05	0.03	0.05	0.05	0.05	0.04	0.05
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.08	7.91	7.86	7.88	7.97	7.85	7.79	7.88	7.9	7.87
pH (Field) *(Std. Units)*		7.9	7.4	7.7	7.2	7.52	7.9	7.9	8.1	8.43	7.67
Potassium (K)		1.8	1.8	2	2.3	1.8	2.3	2.2	2.3	2.2	2.9
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	3.08	3.56	3.3	2.73	4.5	5	4.97	5.8	5.7	3.8
Radium 226 *(pCi/L)*		0.78	0.96	1.1	0.93	0.8	1.2	0.97	1.1	2.3	1.2
Radium 228 *(pCi/L)*		2.3	2.6	2.2	1.8	3.7	3.8	4	4.7	3.4	2.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.9	13.9	15.7	15.5	14.9	13.7	13.7	15.2	13.8	14.5
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		32.6	37.7	36.3	36.1	34.9	37.7	36.7	38.9	37.6	33.4
TDS @ 180° *C.*	GPS (500)	228	320	370	380	280	392	384	317	333	358
Sulfate (SO4)		84	131	174	167	106	172	175	162	142	162
Temperature *(C)*		9.4	14.1	12.2	11.7	11.1	13.3	9.5	13	8.4	9.3
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	0.006	0.05	0.3	0.1	0.07	0.1
Uranium, natural *(pCi/L)*	GPS (36)	0.4	1	1.6	1.7	0.5	1.4	1.3	1.2	1	1.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	0.01	<0.01	0.01	0.01	0.01	<0.01	0.01	<0.01	<0.01

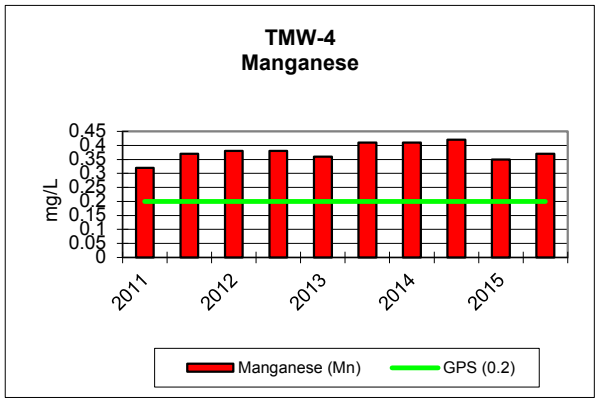

TMW-3
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

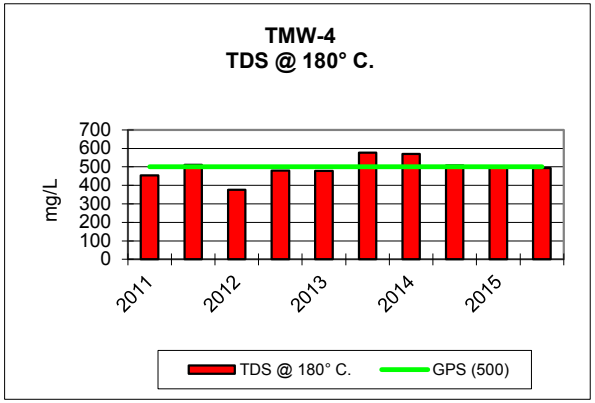

TMW-3
TDS @ 180° C.
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

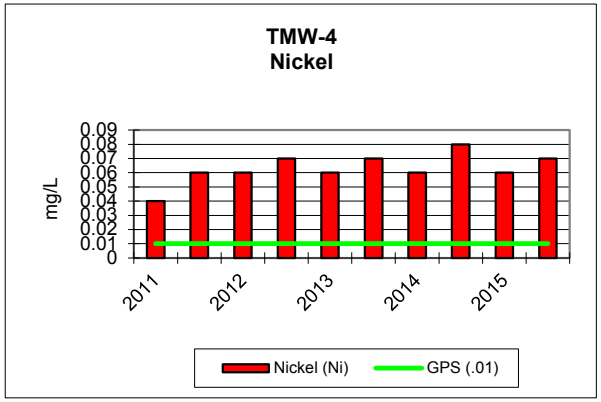
TMW-3

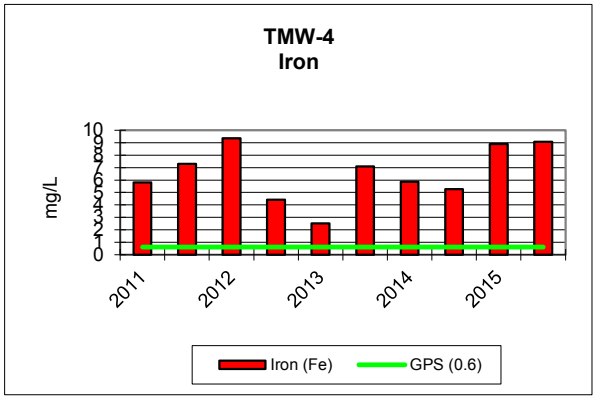
KENNECOTT URANIUM COMPANY											
TMW-4		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/14/2011	7/18/2011	1/24/2012	8/13/2012	2/12/2013	7/16/2013	1/18/2014	7/14/2014	1/13/2015	7/14/2015
TDS A/C Balance *(dec. %)*		-4.67	-1.97	-1.67	-0.149	1.16	-1.53	-1.5	0.15	0.39	1.35
Alk-CaC03		79	75	72	74	73	81	82	73	74	74
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		96	92	88	91	90	99	100	89	90	90
Boron (B)		0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		69	84.9	75.6	78.7	80	95.1	96.1	91.7	81.4	89.9
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		5	5	5	5	5	6	6	6	6	5
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.034	0.044	0.044	0.046	0.042	0.051	0.051	0.053	0.043	0.046
Cond *(umhos/cm)*		638	719	671	699	673	795	797	768	707	712
Cond-Field *(umhos/cm)*		685	784	729	732	725	826	890	917	664	758
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	2.7	1.8	1.6	2.2	2	2	2.3	3.5	12.7	8.8
Iron (Fe)	GPS (0.6)	5.81	7.31	9.36	4.43	2.52	7.09	5.87	5.28	8.9	9.09
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	0.07	0.6	-0.6	0.1	-0.1	-0.07
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		11.4	14	14.5	14.6	14.1	16.4	16.7	18	14.4	12.3
Manganese (Mn)	GPS (0.2)	0.32	0.37	0.38	0.38	0.36	0.41	0.41	0.42	0.35	0.37
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.04	0.06	0.06	0.07	0.06	0.07	0.06	0.08	0.06	0.07
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.11	7.36	6.93	6.85	6.93	6.81	6.8	6.77	6.98	6.86
pH (Field) *(Std. Units)*		7	6.7	6.7	6.7	6.88	6.71	6.9	6.8	6.96	6.41
Potassium (K)		2.4	2.4	2.6	2.8	2.8	3	3	3.2	2.9	5.7
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	5.5	5.9	7.3	5.6	7.1	7.9	9	8.4	9.4	6.3
Radium 226 *(pCi/L)*		1.7	1.7	1.3	1.5	1.3	2.1	1.9	1.6	3.3	1.7
Radium 228 *(pCi/L)*		3.8	4.2	6	4.1	5.8	5.8	7.1	6.8	6.1	4.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.7	15.7	13.2	15.2	13.2	14.3	13.9	15.4	13.8	15.5
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		39.9	41.3	42	42.2	42.4	44	43	45.2	42.8	35.8
TDS @ 180° *C.*	GPS (500)	454	511	376	480	478	577	570	507	498	494
Sulfate (SO4)		243	282	264	260	254	314	315	310	268	278
Temperature *(C)*		10.2	12.3	11.8	21.7	10.5	13.5	9.1	10.5	8.7	10.1
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	0.2	0.1	0.02	0.02	0.05	0.07	0.06	0.05
Uranium, natural *(pCi/L)*	GPS (36)	3.3	4.7	2.9	4	4.3	6.2	6.7	7.4	7.3	7.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.02	0.02	0.03	0.03	0.02	0.04	0.04	0.06	0.04	0.03

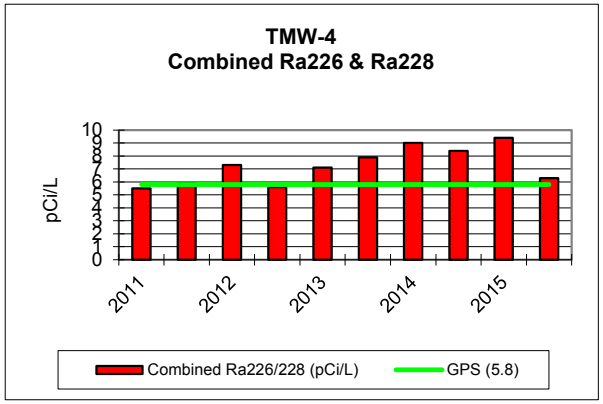

TMW-4
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-4
Manganese
mg/L
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

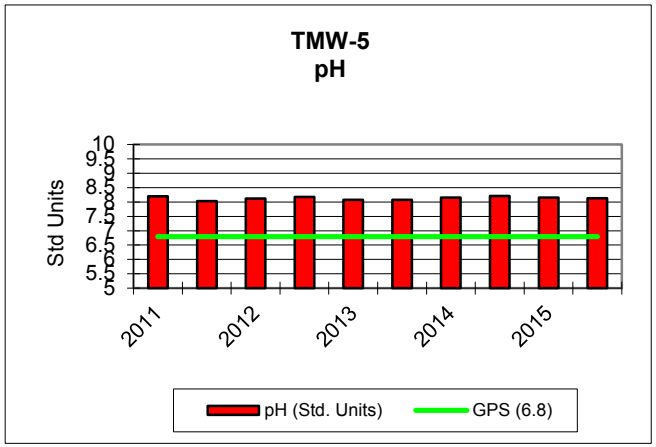

TMW-4
TDS @ 180° C.
mg/L
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

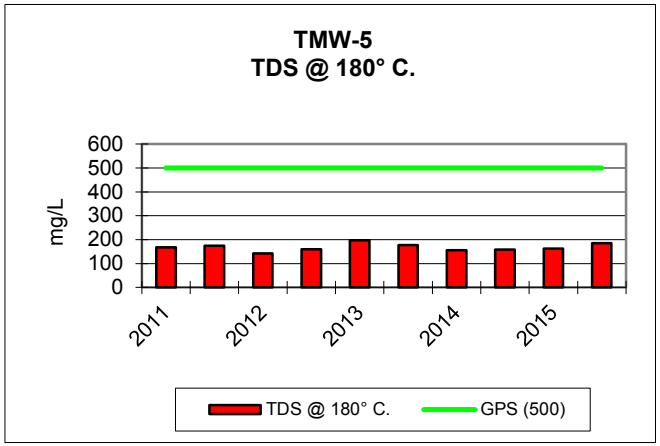

TMW-4
Nickel
mg/L
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)


TMW-4
Iron
mg/L
10
9
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

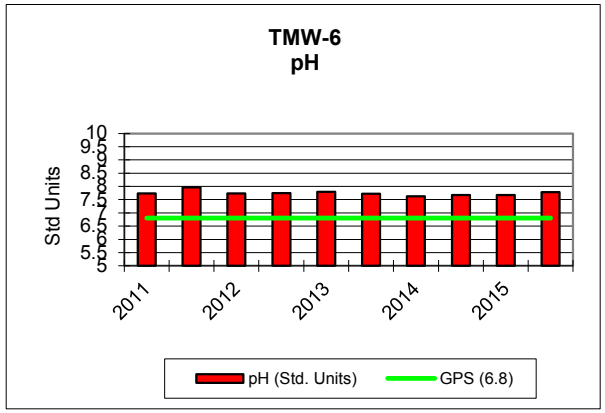

TMW-4
Combined Ra226 & Ra228
pCi/L
10
9
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

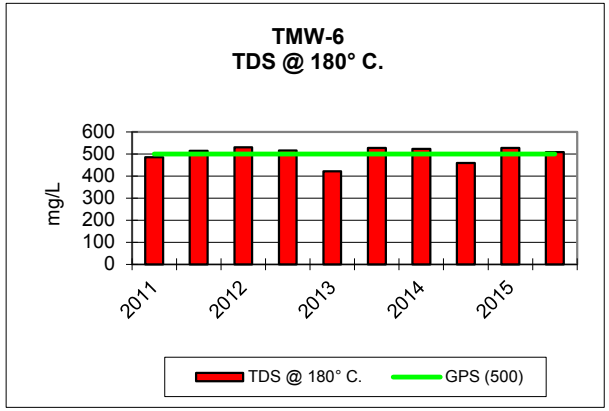
KENNECOTT URANIUM COMPANY											
TMW-5		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/15/2011	7/25/2011	1/24/2012	8/27/2012	2/13/2013	7/15/2013	1/18/2014	7/14/2014	1/13/2015	7/7/2015
TDS A/C Balance *(dec. %)*		-2.2	1.7	-1.47	-1.37	-0.561	-3.8	-1	1.16	1.94	2.53
Alk-CaC03		93	93	87	94	97	107	92	99	89	98
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	1.3	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		114	114	106	115	118	131	113	121	109	119
Boron (B)		<0.1	<0.1	<0.1	<0.1	0.1	0.1	0.1	0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		22.9	25.2	21.1	23.6	26.7	24	22.7	23.7	23.8	24.6
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		2	3	2	2	3	2	2	3	3	3
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		249	261	248	263	286	265	258	263	263	272
Cond-Field *(umhos/cm)*		272	330	256	287	322	279	304	238	292	282
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	1.8	2	2.2	0.8	2.1	0.9	1.4	2.1	6.1	2.4
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	0.3	-1	0.5	0.2	-0.4
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		1	1.4	1	1.1	1.4	1.3	1.2	1.2	1.2	1.2
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	1.02	<0.01	<0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	1.02	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.2	8.03	8.12	8.18	8.08	8.08	8.15	8.21	8.16	8.13
pH (Field) *(Std. Units)*		7.8	7.3	7.5	8.4	7.2	8.64	8.2	8.4	8.72	8.08
Potassium (K)		1.6	1.6	1.4	1.5	1.5	1.4	1.5	1.6	1.6	1.4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	3.1	2.22	2.11	2.6	3.8	6.37	4.2	3.4	4.5	2.9
Radium 226 *(pCi/L)*		1.2	0.72	0.71	1.1	1.7	0.87	1.5	1.6	2.7	1.7
Radium 228 *(pCi/L)*		1.9	1.5	1.4	1.5	2.1	5.5	2.7	1.8	1.8	1.2
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.2	15.9	12.5	14.4	15.9	14	14.2	16.1	14.3	14.4
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		30	35.1	30.3	31.8	33.3	32.6	30.7	33.3	32.5	31.5
TDS @ 180° *C.*	GPS (500)	168	175	143	160	197	177	156	158	163	185
Sulfate (SO4)		36	42	37	38	45	36	35	37	37	40
Temperature *(C)*		11.3	13.2	10.2	12.1	8.5	14	10.2	10.5	8.7	9.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	0.2	0.06	0.09
Uranium, natural *(pCi/L)*	GPS (36)	0.3	0.7	0.3	0.7	0.5	0.6	0.3	0.4	0.3	0.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01	0.02	<0.01	<0.01

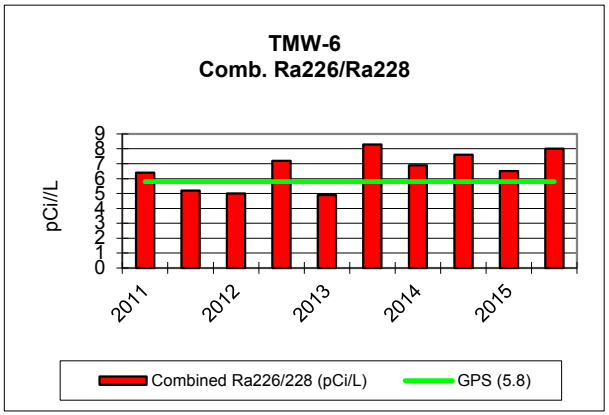

TMW-5
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-5
TDS @ 180° C.
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

KENNECOTT URANIUM COMPANY											
TMW-6		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/9/2011	7/18/2011	1/19/2012	8/28/2012	2/13/2013	7/15/2013	1/18/2014	7/14/2014	1/13/2015	7/20/2015
TDS A/C Balance *(dec. %)*		-0.737	-0.496	2.21	-2.39	0.416	-0.749	-0.427	1.05	1.14	2.83
Alk-CaC03		138	139	131	139	124	153	139	138	132	139
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		168	170	160	170	152	187	170	168	161	170
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		104	108	116	102	82.3	111	107	109	110	106
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		6	6	6	6	4	6	6	6	6	6
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		709	732	748	739	602	749	750	743	751	749
Cond-Field *(umhos/cm)*		746	783	802	800	647	765	830	628	778	783
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.6	2.7	3.8	2.8	3.4	3.3	3.3	4.5	19.9	7.6
Iron (Fe)	GPS (0.6)	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.19	0.17
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	1	0.5	0.3	-0.3	0.2	0.3	-0.2
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		8.4	9.1	9.4	9	7.1	9.4	9.2	9.8	9.2	8.7
Manganese (Mn)	GPS (0.2)	0.07	0.07	0.07	0.08	0.11	0.08	0.08	0.08	0.08	0.08
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.73	7.96	7.74	7.75	7.8	7.72	7.63	7.68	7.67	7.78
pH (Field) *(Std. Units)*		7.5	7.4	7.4	7.5	6.96	7.69	7.7	7.6	7.74	7.27
Potassium (K)		2.9	2.7	2.8	2.6	2.4	2.9	2.7	3	2.9	2.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.4	5.2	5	7.2	4.9	8.3	6.9	7.6	6.5	8
Radium 226 *(pCi/L)*		2.6	2.4	2.4	2.7	3.3	2.8	2.6	2.6	2.4	2.5
Radium 228 *(pCi/L)*		3.8	2.8	2.6	4.5	1.6	5.5	4.3	5	4.1	5.5
Selenium (Se)	GPS (.01)	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.4	15.1	14.3	12.9	13.1	13.3	13.1	15.2	13.4	13.3
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		37.5	38.9	38.5	38.3	38.1	41.1	38.6	41.4	40.8	39.6
TDS @ 180° *C.*	GPS (500)	486	514	530	516	422	527	524	460	527	509
Sulfate (SO4)		230	241	247	240	180	242	239	241	245	255
Temperature *(C)*		9.2	12.5	10.2	11.1	8.7	13.1	9.7	13.9	8.8	9.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.1	0.02	0.06	0.2
Uranium, natural *(pCi/L)*	GPS (36)	1.8	3.1	3	2.9	1.9	2.7	2.5	2.7	2.3	1.8
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01

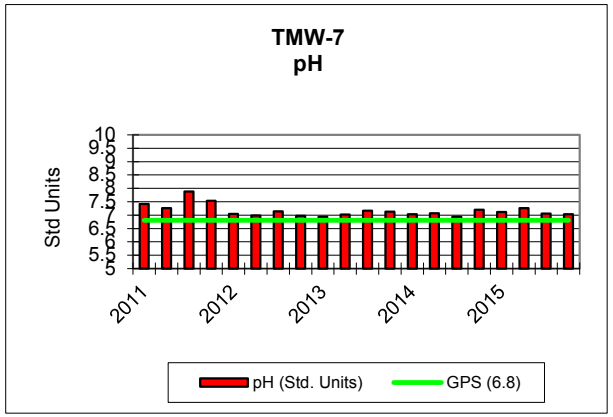

TMW-6
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

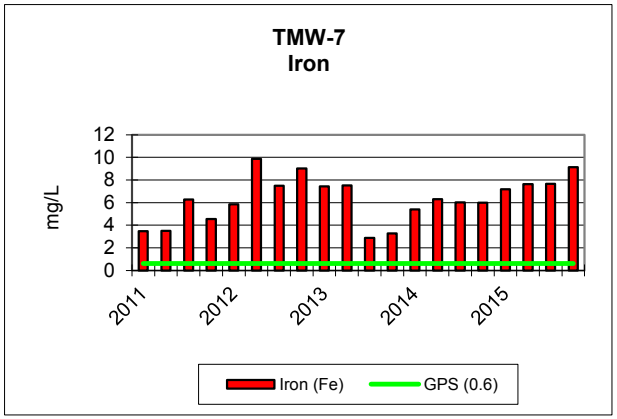

TMW-6
TDS @ 180° C.
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

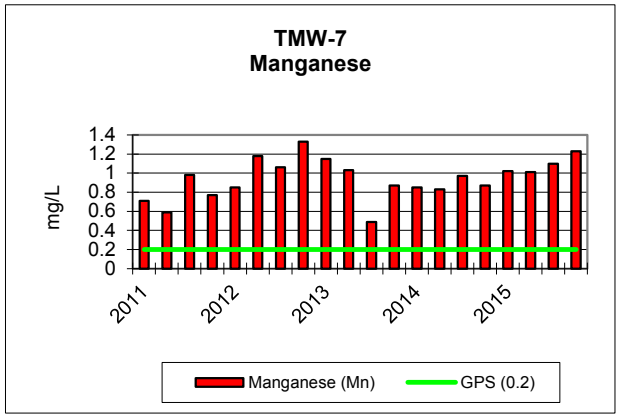

TMW-6
Comb. Ra226/Ra228
pCi//L
9
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

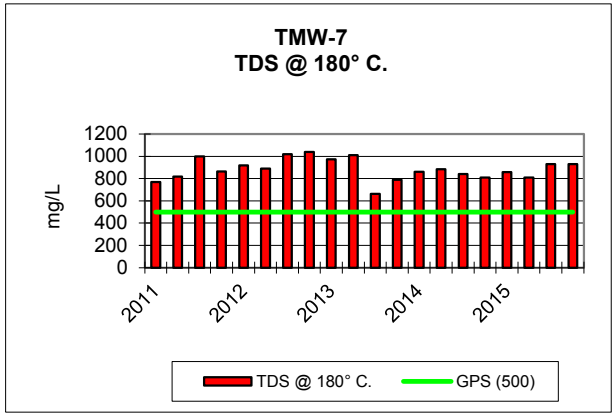
TMW-6

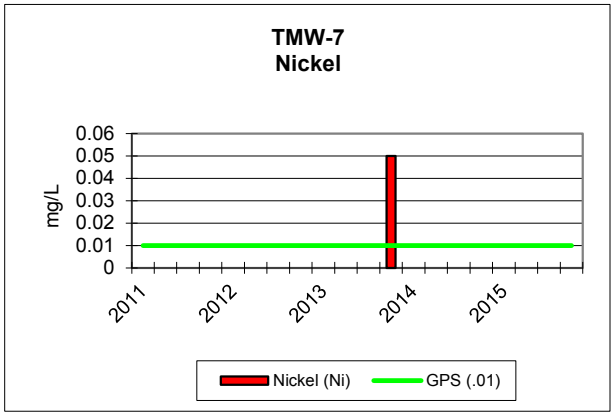
KENNECOTT URANIUM COMPANY																					
TMW-7		2011				2012				2013				2014				2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/7/2011	4/5/2011	7/11/2011	10/17/2011	1/4/2012	4/10/2012	7/10/2012	10/22/2012	1/14/2013	4/2/2013	7/9/2013	10/1/2013	1/18/2014	4/1/2014	7/1/2014	10/15/2014	1/14/2015	4/8/2015	7/14/2015	10/26/2015
TDS A/C Balance *(dec. %)*		0.748	-0.0719	-3.04	-0.215	-0.443	-2.65	1.82	3.34	3.4	-2.67	-0.122	-3.31	-4.75	1.3	0.3	0.58	1.29	5.1	3.66	0.34
Alk-CaC03		155	165	181	154	155	165	167	180	169	174	143	153	161	159	152	151	154	151	160	156
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		189	201	221	188	189	201	203	219	206	213	174	187	196	193	186	185	188	184	195	191
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		163	174	191	183	186	165	203	223	214	192	133	151	151	165	161	155	175	175	181	167
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		33	37	50	43	46	46	51	56	51	55	27	35	40	43	39	38	46	42	49	45
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	0.001
Cond *(umhos/cm)*		1060	1130	1340	1180	1310	1220	1350	1400	1270	1350	956	1060	1160	1190	1130	1100	1230	1100	1250	1210
Cond-Field *(umhos/cm)*		1139	1167	1530	1254	1311	1292	1403	1395	1438	1470	917	1127	1175	1254	1196	1158	1221		1293	1327
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	<0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	2	2.1	3	2.5	2.3	3.2	2.9	3.9	2.5	4.4	1.4	2.4	4.4	4	3.1	2.7	19.7	19	13.9	23.5
Iron (Fe)	GPS (0.6)	3.47	3.51	6.27	4.54	5.86	9.88	7.48	9.02	7.43	7.53	2.87	3.26	5.39	6.31	6.03	5.99	7.19	7.64	7.66	9.13
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.3	0.1	0.04	0.2
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		17.3	18.9	24.5	21.2	22.6	23.1	27.4	30.5	28.2	26.4	13.6	17.2	19.8	22	21	19.9	23.8	24.1	21.4	25.4
Manganese (Mn)	GPS (0.2)	0.71	0.59	0.98	0.77	0.85	1.18	1.06	1.33	1.15	1.03	0.49	0.87	0.85	0.83	0.97	0.87	1.02	1.01	1.1	1.23
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.42	7.26	7.88	7.54	7.04	6.98	7.14	6.97	6.94	7.02	7.16	7.13	7.03	7.07	6.94	7.2	7.12	7.26	7.06	7.03
pH (Field) *(Std. Units)*		7	7	6.9	6.8	6.8	6.6	6.9	6.83	7.14	6.8	7.1	7.12	6.8	6.9	7	7.08	6.96	6.82	6.55	6.76
Potassium (K)		3.9	3.8	3.8	4	3.7	3.4	4.3	4.1	4.1	3.7	3.5	3.4	3.2	3.6	3.7	3.4	3.9	3.8	6	4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	9.4	10.7	9.8	8.2	9.3	11.2	10.4	9.9	8.2	11	7.4	9.4	11.1	12.4	7.5	11.2	9.4	9.8	10.6	9.6
Radium 226 *(pCi/L)*		2.8	2.3	2.4	2	2.3	3.3	2.8	2.2	2.9	2.8	1.4	2	1.8	3.3	1.7	2.3	3.3	2.5	2.1	2.9
Radium 228 *(pCi/L)*		6.6	8.4	7.4	6.2	7	7.9	7.6	7.7	5.3	8.2	6	7.4	9.3	9.1	5.8	8.9	6.1	7.3	8.5	6.7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		19.4	18.8	16.9	18.4	15.5	15.5	16.9	16.8	17.9	15.9	16.3	15.6	14.7	15.7	15.9	15.7	16.4	15.7	17.6	15.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		53.4	58.6	62	59.7	60.1	59.8	67.3	72.8	68.4	65.9	49.5	50.2	54.3	59.8	60.1	56.2	65.8	64.6	54.7	66.6
TDS @ 180° *C.*	GPS (500)	769	818	1000	865	918	888	1020	1040	974	1010	662	788	860	885	840	809	859	808	931	929
Sulfate (SO4)		374	411	490	448	460	427	484	511	492	503	307	380	404	417	404	382	431	389	469	437
Temperature *(C)*		9.8	10.2	12.8	11	10.4	13.5	11.7	11.3	5.9	10	14.8	13.3	8.4	9.8	11.1	10.7	9.6	10.4	11.4	10.4
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.1	0.04	0.07
Uranium, natural *(pCi/L)*	GPS (36)	20.3	18.1	27.9	19	21.8	13.9	27.9	23.1	28.9	33.3	8	10.7	20.3	25.3	14.2	18.6	24.9	30.8	17.2	15.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

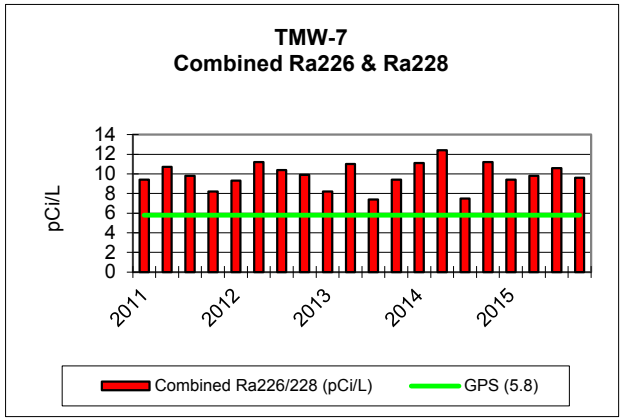

TMW-7
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-7
Iron
mg/L
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

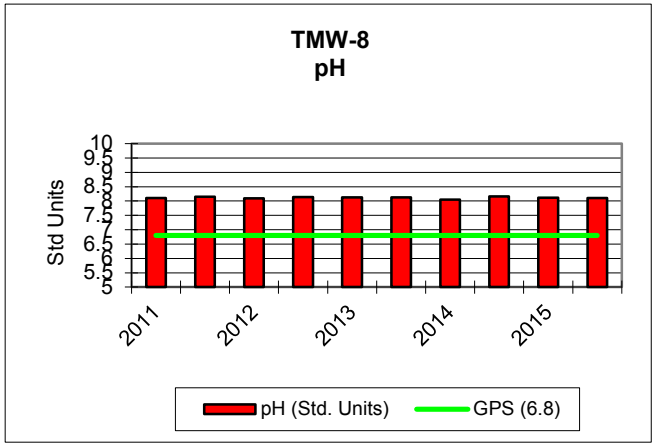

TMW-7
Manganese
mg/L
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

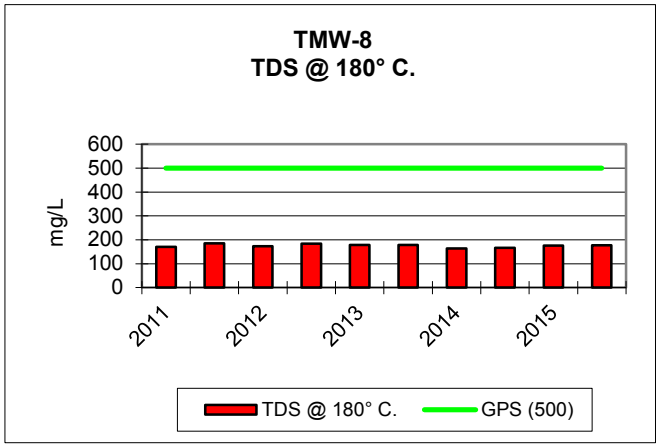

TMW-7
TDS @ 180° C.
mg/L
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-7
Nickel
mg/L
0.06
0.05
0.04
0.03
0.02
0.01
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

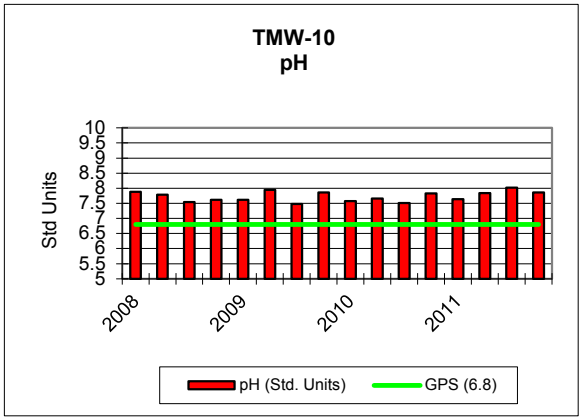

TMW-7
Combined Ra226 & Ra228
pCi/L
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

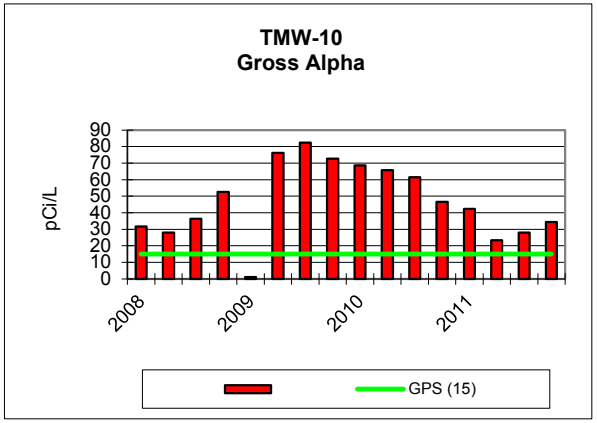
KENNECOTT URANIUM COMPANY											
TMW-8		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/28/2011	8/16/2011	1/24/2012	8/15/2012	2/12/2013	7/16/2013	2/17/2014	7/21/2014	1/13/2015	7/14/2015
TDS A/C Balance *(dec. %)*		-3.05	-0.33	-1.56	-3.38	-0.051	-3.09	0.78	1.1	1.06	1.61
Alk-CaC03		88	81	81	90	88	95	87	91	84	88
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		104	99	99	110	107	116	107	111	103	108
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		22.2	21.5	20.6	22	23	22.3	21.8	24.1	22.5	22.5
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		3	3	3	3	3	2	3	3	3	3
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		270	268	267	278	274	278	274	277	275	271
Cond-Field *(umhos/cm)*		271	303	274	300	306	303	323	287	302	284
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Gross Alpha *(pCi/L)*	GPS (15)	0.8	1.4	1.1	0.4	0.5	0.4	0.5	0.3	6.1	4.3
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	0.01	-0.8
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		0.8	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.9	0.8
Manganese (Mn)	GPS (0.2)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.1	8.15	8.09	8.14	8.13	8.13	8.05	8.16	8.12	8.11
pH (Field) *(Std. Units)*		8.2	8	7.7	8	7.52	8.55	8.1	8.6	8.58	8.13
Potassium (K)		1.6	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	2.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	1.88	1.47	2.11	1.45	1.73	2.44	2.25	4.44	2.81	2.49
Radium 226 *(pCi/L)*		0.38	0.57	0.41	0.55	0.63	0.54	0.45	0.54	0.61	0.69
Radium 228 *(pCi/L)*		1.5	0.9	1.7	0.9	1.1	1.9	1.8	3.9	2.2	1.8
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.5	15.9	12.2	15.8	13.6	13.7	13.8	14	13.8	14.4
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		35.1	34.7	34.5	34.3	35.8	35.5	35.8	36.8	36.3	34
TDS @ 180° *C.*	GPS (500)	171	185	173	184	178	179	164	167	176	177
Sulfate (SO4)		52	48	49	48	47	47	46	45	47	46
Temperature *(C)*		11.2	12.6	10.6	11.2	10.4	13.4	9.8	11.2	8.5	9.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.06	0.005	0.06	0.05	0.01	0.04	0.03	0.05	0.1	0.07
Uranium, natural *(pCi/L)*	GPS (36)	0.3	0.4	<0.2	0.3	0.2	<0.2	0.2	<0.2	<0.2	<0.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

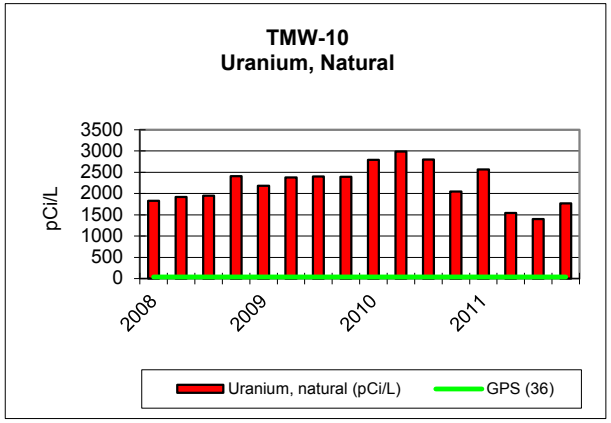

TMW-8
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

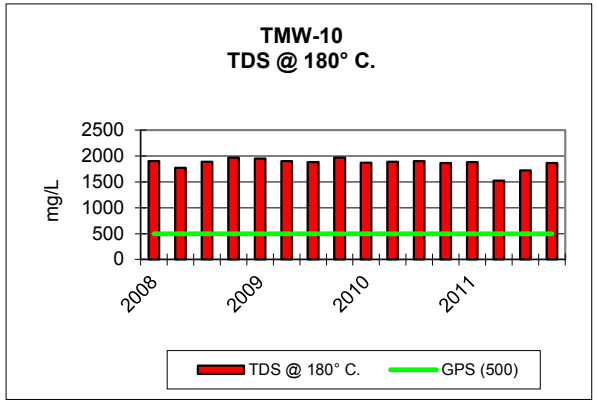

TMW-8
TDS @ 180° C.
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

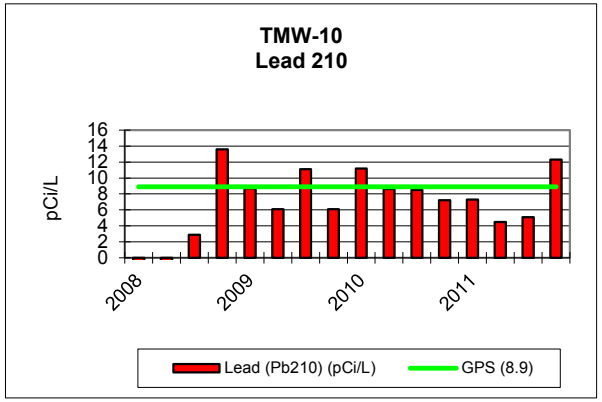
KENNECOTT URANIUM COMPANY																			
TMW-10		2008				2009				2010				2011				No sampling of this well has been done since 2011. It can no longer be safely pumped.	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/13/2008	4/1/2008	8/11/2008	11/18/2008	1/12/2009	4/7/2009	7/8/2009	10/6/2009	1/18/2010	4/12/2010	7/7/2010	10/4/2010	1/17/2011	4/4/2011	7/11/2011	10/23/2011		
TDS A/C Balance *(dec. %)*		2.29	1.43	1.49	0.989	0.493	0.457	-1.83	-2.31	0.952	-3.19	-1.08	-3.97	-1.9	-0.89	-0.142	-0.475		
Alk-CaC03		103	94	93	96	97	99	96	101	110	115	109	99	103	87	93	91		
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Arsenic (As)	GPS (.05)	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Bicarbonate (HCO3)		126	115	113	117	118	121	117	124	134	141	133	121	125	106	114	111		
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
Calcium (Ca)		377	398	413	410	339	377	380	384	400	379	403	352	370	318	343	369		
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Chloride (Cl)		129	122	125	115	116	122	116	125	126	125	115	90	113	53	87	98		
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Cobalt (Co)		<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	<0.001		
Cond *(umhos/cm)*		2320	2220	2260	2340	2320	2320	2270	2290	2270	2250	2230	2110	2170	1790	2000	2170		
Cond-Field *(umhos/cm)*		2370	1921	2300	2370	1961	1808	2250	2430	2390	2380	2290	2310	2370	1830	2160	2230		
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01		
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
Fluoride (F)		<0.1	<0.1	0.1	0.1	0.1	ND	0.1	0.1	<0.1	<0.1	<0.1	0.1	0.1	0.1	0.1	0.1		
Gross Alpha *(pCi/L)*	GPS (15)	31.7	27.9	36.4	52.5	1	76.1	82.4	72.7	68.6	65.8	61.4	46.6	42.4	23.3	27.9	34.4		
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05		
Lead (Pb210) *(pCi/L)*	GPS (8.9)	-1.2	-1.6	2.9	13.6	8.7	6.1	11.1	6.1	11.2	8.6	8.5	7.2	7.3	4.5	5.1	12.3		
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Magnesium (Mg)		41.4	45.2	44.5	44.2	38.7	40.2	39.6	42.5	42.9	40.8	42.7	36.8	39.4	33.9	35.6	38.6		
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.02	<0.01	0.01		
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	0.0009	<0.0002	<0.0002	<0.0002	<0.0002		
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01		
Nitrogen, Nitrate+Nitrite as N		7.6	6.1	9.1	8.6	8	8.12	8.2	9.8	8.6	8.9	8.2	6.5	7	3.8	7	7.4		
pH *(Std. Units)*	GPS (6.8)	7.88	7.79	7.54	7.62	7.62	7.94	7.48	7.86	7.57	7.66	7.51	7.83	7.64	7.84	8.02	7.86		
pH (Field) *(Std. Units)*		7.8	7.5	7.4	7.2	7.3	7.4	7	7.1	6.8	7	7.3	7.4	7.3	7.6	7.4	7.6		
Potassium (K)		5.5	4.8	5.7	5.5	4.6	5.1	5.4	5.6	5.5	4.9	5.5	5.3	5.4	4.9	5.1	5.8		
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	27.6	27.1	38.9	48.5	52.5	77	91.3	65.7	71.1	70.4	74.2	49.4	36.4	26.8	25.6	33.1		
Radium 226 *(pCi/L)*		24.2	24.5	36	44	49	72	87	61	68	68	70	45	33	23	22	29		
Radium 228 *(pCi/L)*		3.4	2.6	2.9	4.5	3.5	5	4.3	4.7	3.1	2.4	4.2	4.4	3.4	3.8	3.6	4.1		
Selenium (Se)	GPS (.01)	0.512	0.442	0.432	0.483	0.527	0.478	0.443	0.496	0.464	0.493	0.475	0.428	0.448	0.277	0.489	0.564		
Silica (SiO2)		7	6	8.3	7.4	7	5.8	8.2	7.7	7.4	6	7.7	7.8	8.3	7.5	7.7	7.7		
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	ND	ND		
Sodium (Na)		86.8	100	93	98	94	94.9	89.8	91.9	98.8	98.7	99.4	86.2	92.5	81.5	80.1	90.4		
TDS @ 180° *C.*	GPS (500)	1900	1770	1890	1970	1950	1900	1880	1970	1870	1890	1900	1860	1880	1520	1720	1860		
Sulfate (SO4)		1010	1030	1040	1060	878	966	1030	1050	1030	1060	1090	1030	1010	922	912	998		
Temperature *(C)*		7.3	5.3	13.5	12	8	9	17.4	11.3	8	12.6	18.5	17.2	11.7	7.4	20.8	14.1		
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND	ND	ND		
Thorium 230 *(pCi/L:)*		0.1	0.08	0.1	0.1	0	0.06	0.04	0.03	0.08	0.02	0.03	0.04	0.2	0.08	0.03	0.1		
Uranium, natural *(pCi/L)*	GPS (36)	1830	1920	1950	2410	2180	2380	2400	2390	2790	2990	2800	2050	2570	1540	1400	1770		
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Zinc (ZN)		0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.01	0.02	0.23		

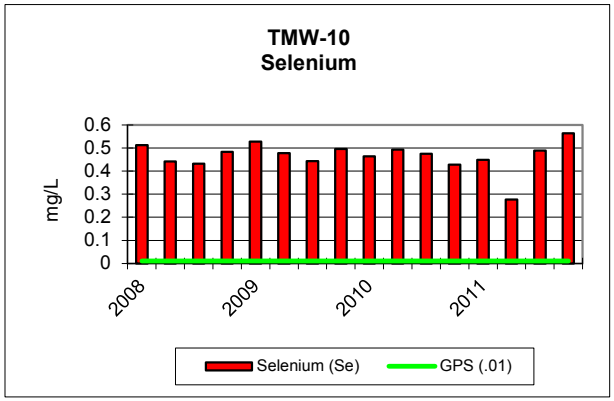

TMW-10
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2008
2009
2010
2011
pH (Std. Units)
GPS (6.8)

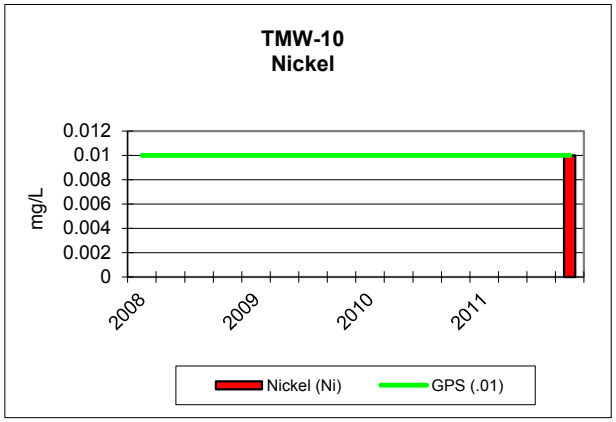

TMW-10
Gross Alpha
pCi/L
90
80
70
60
50
40
30
20
10
0
2008
2009
2010
2011
GPS (15)

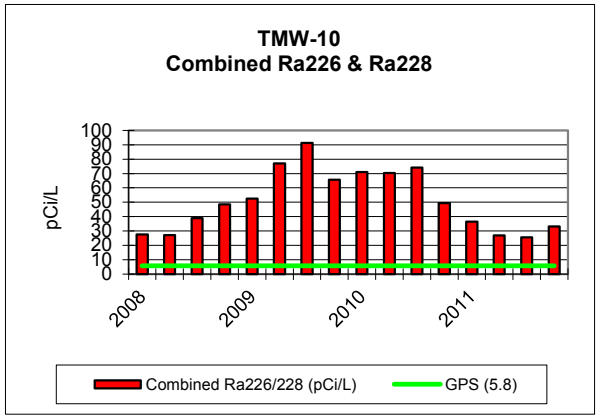

TMW-10
Uranium, Natural
pCi/L
3500
3000
2500
2000
1500
1000
500
0
2008
2009
2010
2011
Uranium, natural (pCi/L)
GPS (36)


TMW-10
TDS @ 180° C.
mg/L
2500
2000
1500
1000
500
0
2008
2009
2010
2011
TDS @ 180° C.
GPS (500)

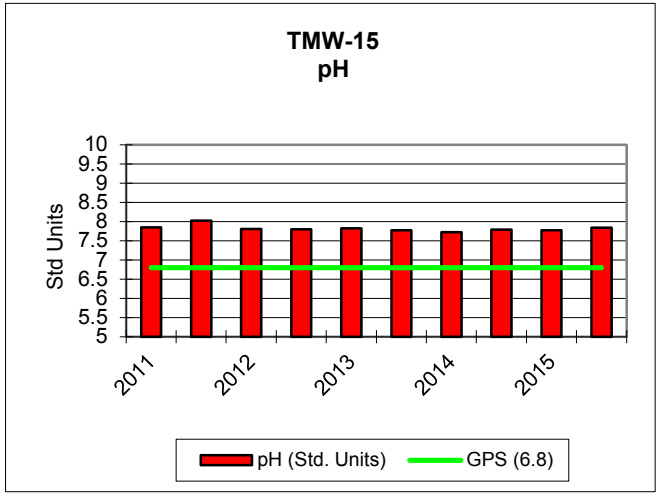

TMW-10
Lead 210
pCi/L
16
14
12
10
8
6
4
2
0
2008
2009
2010
2011
Lead (Pb210) (pCi/L)
GPS (8.9)

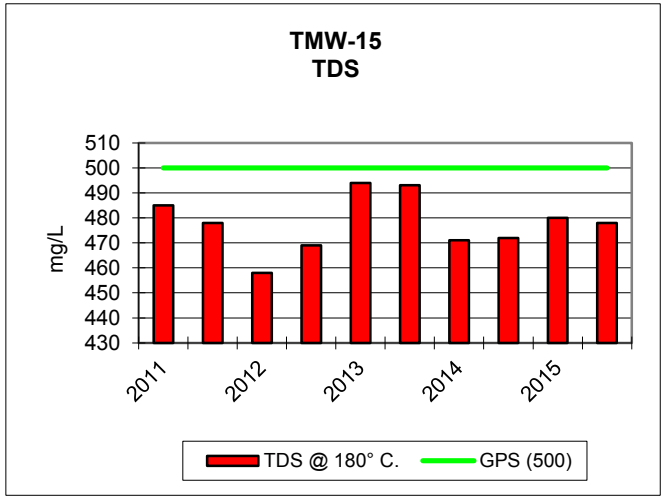

TMW-10
Selenium
mg/L
0.6
0.5
0.4
0.3
0.2
0.1
0
2008
2009
2010
2011
Selenium (Se)
GPS (.01)

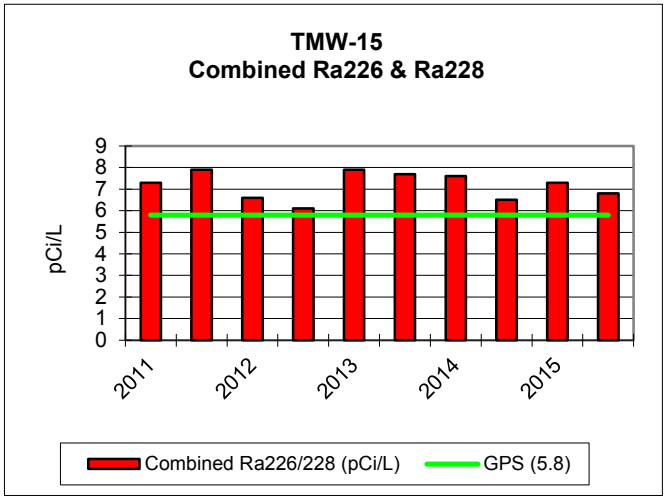

TMW-10
Nickel
mg/L
0.012
0.01
0.008
0.006
0.004
0.002
0
2008
2009
2010
2011
Nickel (Ni)
GPS (.01)


TMW-10
Combined Ra226 & Ra228
pCi/L
100
90
80
70
60
50
40
30
20
10
0
2008
2009
2010
2011
Combined Ra226/228 (pCi/L)
GPS (5.8)

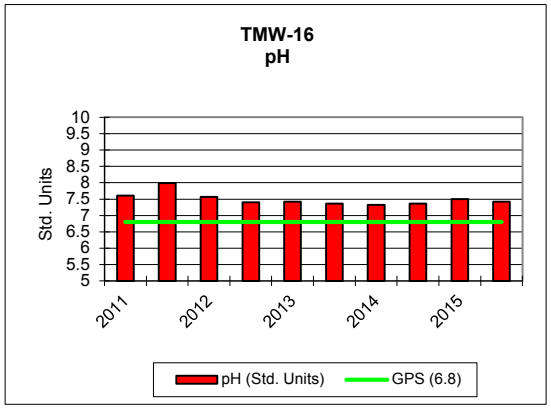
KENNECOTT URANIUM COMPANY											
TMW-15		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/1/2011	8/2/2011	1/25/2012	8/14/2012	3/4/2013	7/16/2013	1/21/2014	7/21/2014	1/20/2015	7/20/2015
TDS A/C Balance *(dec. %)*		-0.714	-2.34	-0.994	-0.753	3.62	-1.83	-1.08	2.45	0.53	3.65
Alk-CaC03		129	121	120	133	129	135	129	134	130	143
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		157	147	147	163	158	165	158	163	159	174
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		101	93.7	94.9	98.1	103	98.5	98.4	111	103	97.7
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		9	9	8	8	7	8	15	8	8	8
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		613	684	658	686	686	703	679	694	683	698
Cond-Field *(umhos/cm)*		661	751	690	723	730	704	765	645	773	732
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	2.4	1.6	1.8	3.9	1.9	2.5	2.9	3.2	5.3	7.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	0.12
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	0.7	-0.2
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		7.6	8	7.8	8.1	8	7.9	7.9	7.7	8	7.6
Manganese (Mn)	GPS (0.2)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.85	8.02	7.81	7.8	7.82	7.77	7.72	7.79	7.77	7.84
pH (Field) *(Std. Units)*		7.6	7.3	7.4	7.4	7.35	7.71	7.8	7.8	7.98	7.34
Potassium (K)		3.2	2.9	2.8	3	3.1	2.9	3	3	3.2	2.9
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	7.3	7.9	6.6	6.1	7.9	7.7	7.6	6.5	7.3	6.8
Radium 226 *(pCi/L)*		2.3	2.1	1.5	1.8	1.9	2	1.7	2.1	1.9	2
Radium 228 *(pCi/L)*		5	5.8	5.1	4.3	6	5.7	5.9	4.4	5.4	4.8
Selenium (Se)	GPS (.01)	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.9	14.3	13.4	16.5	15.2	14.9	15.2	14.9	14.9	14.7
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		36.4	36	35.4	33.9	37.9	35.8	36.5	37.2	38.2	36.3
TDS @ 180° *C.*	GPS (500)	485	478	458	469	494	493	471	472	480	478
Sulfate (SO4)		221	223	216	207	202	217	209	221	222	222
Temperature *(C)*		10	11.2	9.7	10.3	8.8	13.6	9.2	11.6	8.5	9.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.08	0.2
Uranium, natural *(pCi/L)*	GPS (36)	1.6	1.8	1.7	1.5	1.4	1.3	2	1.2	1.3	1.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

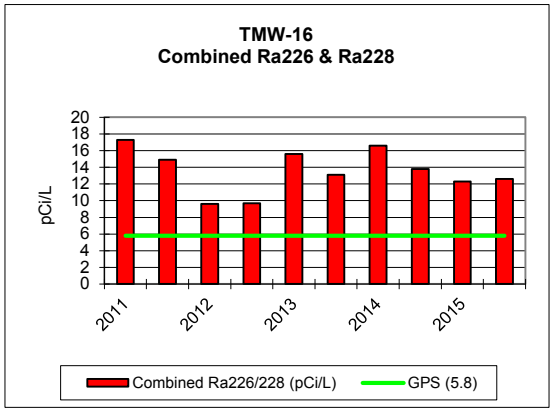

TMW-15
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

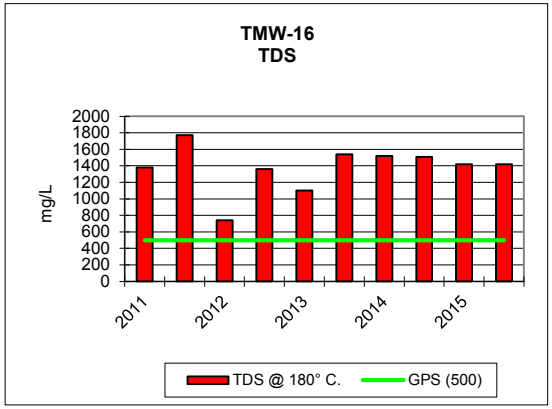

TMW-15
TDS
mg/L
510
500
490
480
470
460
450
440
430
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

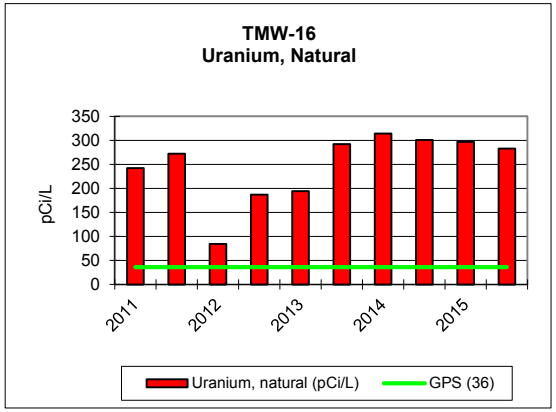

TMW-15
Combined Ra226 & Ra228
pCi/L
9
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

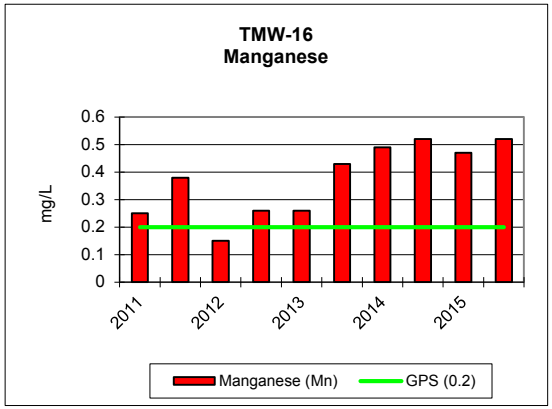
KENNECOTT URANIUM COMPANY											
TMW-16		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/8/2011	8/16/2011	1/23/2012	9/6/2012	3/4/2013	7/16/2013	2/17/2014	7/22/2014	1/20/2015	7/15/2015
TDS A/C Balance *(dec. %)*		-2.1	-1.35	-1.65	-1.79	-0.671	-2	0.42	1.2	0.6	3.97
Alk-CaC03		202	187	131	172	161	187	191	193	185	191
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		247	228	160	210	196	229	233	236	226	233
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		286	358	146	270	209	293	289	318	282	260
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		79	88	30	64	47	76	71	71	68	67
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1770	2070	1000	1600	1380	1880	1860	1880	1730	1810
Cond-Field *(umhos/cm)*		1747	2230	1074	1740	1473	1847	1987	889	1784	1875
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	<0.1	0.1	0.1	0.1	0.1	<0.1	<0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.1	3.3	2	2.5	2.6	3.6	3.8	8.4	17.3	10.3
Iron (Fe)	GPS (0.6)	0.06	<0.05	<0.05	<0.05	<0.05	0.13	0.12	0.15	0.24	0.26
Lead (Pb210) *(pCi/L)*	GPS (8.9)	0.4	0.1	0.05	0.5	0.3	-0.08	0.9	0.6	0.8	-0.3
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		35.2	47.5	18.5	39.2	28.5	43.2	43.9	45.1	41.5	40.1
Manganese (Mn)	GPS (0.2)	0.25	0.38	0.15	0.26	0.26	0.43	0.49	0.52	0.47	0.52
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.61	7.99	7.57	7.4	7.42	7.36	7.33	7.36	7.5	7.42
pH (Field) *(Std. Units)*		7.1	7	7.5	7.13	7.02	7.17	7.4	7.4	7.47	6.91
Potassium (K)		5	5.8	3.4	5.6	4.1	5.1	5.1	5.7	5.2	5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	17.3	14.9	9.6	9.7	15.6	13.1	16.6	13.8	12.3	12.6
Radium 226 *(pCi/L)*		5.4	4.5	2.4	2.5	3.1	3.1	3.8	3.3	3.7	2.7
Radium 228 *(pCi/L)*		11.9	10.4	7.2	7.2	12.5	10	12.8	10.5	8.6	9.9
Selenium (Se)	GPS (.01)	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.8	13.3	11.2	13.8	11.8	11.3	11.2	11	11.9	11.5
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		79.2	88.5	50	75.3	65.7	84.4	85.2	91.1	85.8	82.5
TDS @ 180° *C.*	GPS (500)	1380	1770	742	1360	1100	1540	1520	1510	1420	1420
Sulfate (SO4)		738	972	381	750	547	817	779	829	742	765
Temperature *(C)*		10.8	12.1	10.8	12.9	7.6	13.6	9.6	14.5	8.3	9.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.1	0.1
Uranium, natural *(pCi/L)*	GPS (36)	242	272	84.1	187	194	292	314	301	297	283
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.02	<0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01
pH	Std. Units	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
TDS	mg/L	500	500	500	500	500	500	500	500	500	500
Manganese	mg/L	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Comb. Ra226/Ra228	pCi/L	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Gross Alpha	pCi/L	15	15	15	15	15	15	15	15	15	15
Lead (Pb210)	pCi/L	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
Uranium, Natural	pCi/L	36	36	36	36	36	36	36	36	36	36

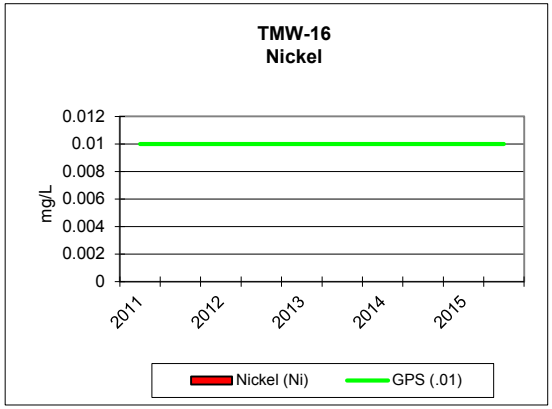

TMW-16
pH
Std. Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-16
Combined Ra226 & Ra228
pCi/L
20
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)


TMW-16
TDS
mg/L
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

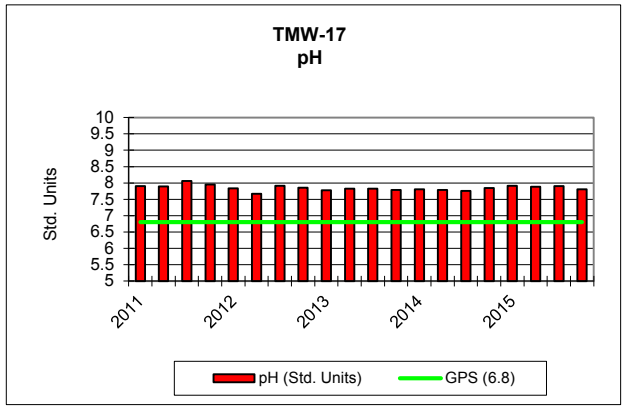

TMW-16
Uranium, Natural
pCi/L
350
300
250
200
150
100
50
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

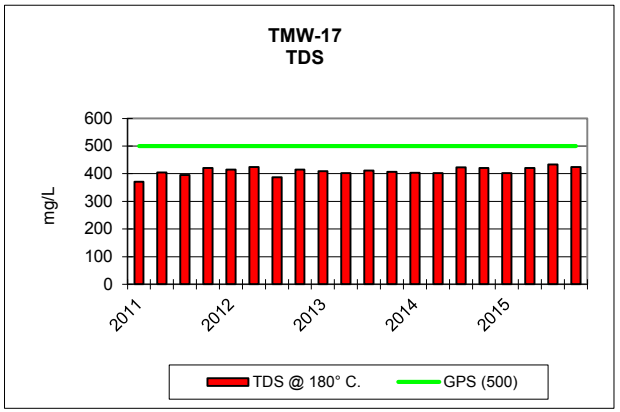

TMW-16
Manganese
mg/L
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

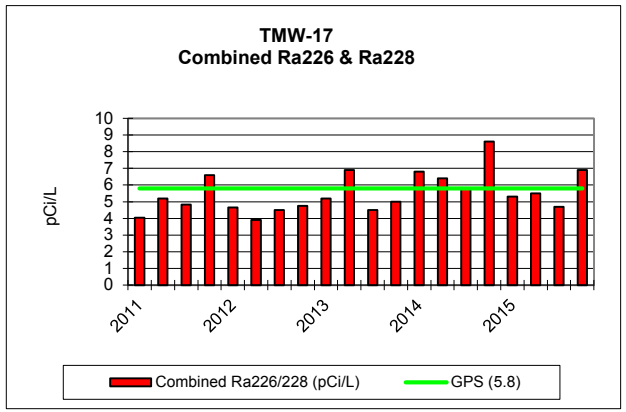

TMW-16
Nickel
mg/L
0.012
0.01
0.008
0.006
0.004
0.002
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

KENNECOTT URANIUM COMPANY																			
TMW-17		2011				2012				2013				2014				2015	
PARAMETER (mg/L unless noted)	Groundwater Protection Standard (GPS) as of 5/26/05	3/7/2011	4/12/2011	7/12/2011	10/23/2011	1/17/2012	5/3/2012	7/10/2012	10/22/2012	1/15/2013	4/2/2013	7/9/2013	10/1/2013	1/18/2014	4/1/2014	7/1/2014	10/14/2014	1/14/2015	4/8/2015
TDS A/C Balance (dec. %)		-1.76	-0.323	-3.17	-0.533	3.99	-4.69	1.69	4.46	5.04	-2.54	0.772	-1.84	-1.51	1.87	0.91	1.25	1.34	0.31
Alk-CaC03		117	117	117	115	111	115	120	119	119	118	119	120	119	133	120	121	120	120
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		143	143	143	140	135	140	147	145	146	144	145	146	145	162	146	148	147	146
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		80.5	81	76.7	82.5	92.7	74	85.9	90.9	95.4	79.6	83.6	80.3	78.6	81.4	85	84.4	83.3	84.4
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		8	8	8	8	8	10	8	8	8	8	8	7	8	8	8	9	9	8
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond (umhos/cm)		586	588	588	597	620	602	607	600	588	602	610	585	593	600	607	618	624	595
Cond-Field (umhos/cm)		625	617	614	658	666	616	666	618	663	672	707	656	674	538	665	646	652	
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	ND	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha (pCi/L)	GPS (15)	1	1.3	1.3	0.9	0.9	1	1.6	1.3	1.3	1.9	0.7	1.5	2.2	1.7	1.5	2.8	6.3	8.4
Iron (Fe)	GPS (0.6)	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	0.09	0.06	<0.05	<0.05	0.09	<0.05	0.07	0.05	0.06
Lead (Pb210) (pCi/L)	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-0.6	0.3
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		4.6	4.9	4.8	5	5.5	5	5.1	5.6	5.6	4.9	5.1	4.6	4.8	5	5.1	5.1	5.3	5.1
Manganese (Mn)	GPS (0.2)	0.04	0.04	0.04	0.04	0.05	0.1	0.04	0.05	0.05	0.04	0.04	0.05	0.04	0.04	0.05	0.05	0.04	0.05
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH (Std. Units)	GPS (6.8)	7.9	7.89	8.06	7.95	7.84	7.67	7.91	7.86	7.78	7.83	7.83	7.79	7.81	7.79	7.76	7.85	7.91	7.88
pH (Field) (Std. Units)		7.8	7.8	7.8	7.1	8.4	7.5	6.9	7.35	7.84	7.6	8.1	7.93	7.9	8.1	7.9	7.98	8.57	7.62
Potassium (K)		3.1	3.1	2.7	2.8	3.1	2.7	2.9	3	2.9	2.7	3.1	2.8	2.6	2.7	3	2.8	2.9	3.1
Combined Ra226/228 (pCi/L)	**GPS (5.8)**	4.04	5.2	4.82	6.59	4.66	3.9	4.5	4.76	5.2	6.9	4.5	5	6.8	6.4	5.8	8.6	5.3	5.5
Radium 226 (pCi/L)		0.14	1.4	0.72	0.99	0.96	1.1	1.2	0.86	1.3	1.2	1.1	1.1	1	1.5	1.1	2.5	2	1.6
Radium 228 (pCi/L)		3.9	3.8	4.1	5.6	3.7	2.8	3.3	3.9	3.9	5.7	3.4	3.9	5.8	4.9	4.7	6.1	3.3	3.9
Selenium (Se)	**GPS (.01)**	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		17.7	17.1	15.7	17.2	17.8	17	15.9	15.9	19.1	15.4	15.7	15	15.1	15.3	15.4	15.2	15.4	15.3
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		35.5	38.5	35.2	35.9	421	36.2	37.2	37.7	37.2	35.6	38.5	34.6	35	37.3	37.9	36.8	37.6	38
TDS @ 180° C.	GPS (500)	371	404	395	421	415	424	387	415	409	402	411	407	403	402	423	421	402	421
Sulfate (SO4)		176	176	175	178	184	180	171	170	175	178	175	172	168	169	175	181	182	177
Temperature (C)		11.4	12.2	17.1	9.6	8.9	13.4	11.3	10.9	4.6	8.9	12.8	12.1	7.3	7.9	12.6	11	8.2	9.5
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 (pCi/L:)		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.06	0.2
Uranium, natural (pCi/L)	GPS (36)	4.6	4.4	4.7	4	2.7	5.2	3.6	4.4	3.7	3.7	4	4.7	4.1	26.4	3.9	5.8	5.8	4.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY			
TMW-17			
PARAMETER (mg/L unless noted)	Groundwater Protection Standard (GPS) as of 5/26/05	7/13/2015	11/2/2015
TDS A/C Balance (dec. %)		0.93	0.21
Alk-CaC03		123	124
Aluminum (Al)	GPS (1.8)	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001
Barium (Ba)		<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01
Bicarbonate (HCO3)		151	152
Boron (B)		<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005
Calcium (Ca)		87.7	84.7
Carbonate (CO3)		<1	<1
Chloride (Cl)		8	8
Chromium (Cr)	GPS (.05)	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001
Cond (umhos/cm)		606	607
Cond-Field (umhos/cm)		643	661
Copper (Cu)		<0.01	<0.01
Cyanide (CN)		<0.005	<0.005
Fluoride (F)		0.1	0.1
Gross Alpha (pCi/L)	GPS (15)	4.8	4.5
Iron (Fe)	GPS (0.6)	0.06	0.34
Lead (Pb210) (pCi/L)	GPS (8.9)	0.6	0.4
Lead (Pb)		<0.01	<0.01
Magnesium (Mg)		5.1	5.1
Manganese (Mn)	GPS (0.2)	0.05	0.05
Mercury (Hg)		<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1
pH (Std. Units)	GPS (6.8)	7.9	7.81
pH (Field) (Std. Units)		7.63	7.6
Potassium (K)		2.9	3.1
Combined Ra226/228 (pCi/L)	**GPS (5.8)**	4.7	6.9
Radium 226 (pCi/L)		1.1	1.3
Radium 228 (pCi/L)		3.6	5.6
Selenium (Se)	**GPS (.01)**	<0.001	<0.001
Silica (SiO2)		15.6	15.3
Silver (Ag)		<0.01	<0.01
Sodium (Na)		37.4	38
TDS @ 180° C.	GPS (500)	433	424
Sulfate (SO4)		176	175
Temperature (C)		11.2	10.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01
Thorium 230 (pCi/L:)		0.1	0.08
Uranium, natural (pCi/L)	GPS (36)	4	4.1
Vanadium (V205)		<0.1	<0.1
Zinc (ZN)		<0.01	<0.01

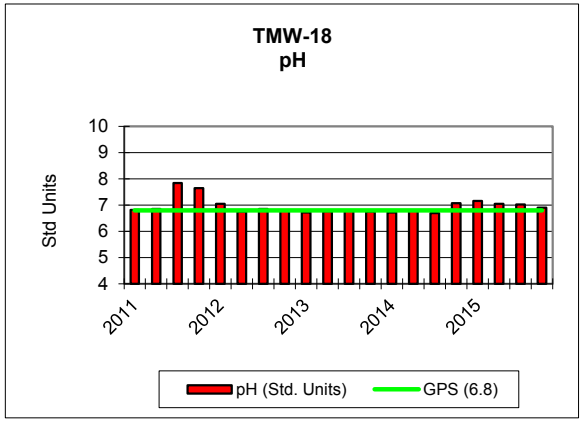

TMW-17
pH
Std. Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

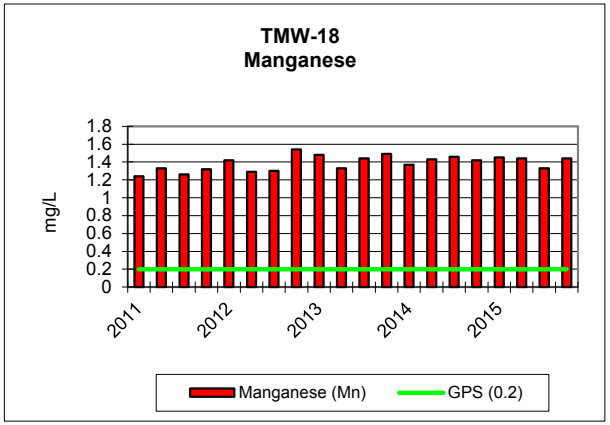

TMW-17
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

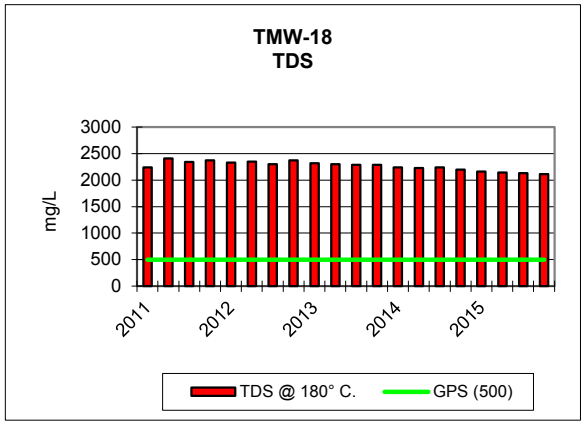

TMW-17
Combined Ra226 & Ra228
pCi/L
10
9
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

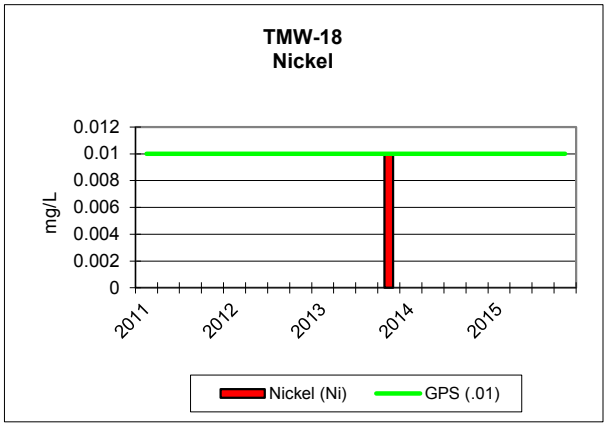
KENNECOTT URANIUM COMPANY																	
TMW-18		2011				2012				2013				2014			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/23/2011	4/5/2011	7/11/2011	10/17/2011	1/4/2012	4/10/2012	7/10/2012	10/22/2012	1/14/2013	4/2/2013	7/9/2013	10/1/2013	1/18/2014	4/1/2014	7/1/2014	10/15/2014
TDS A/C Balance *(dec. %)*		0.0104	0.576	-1.58	-0.832	-0.319	-4.54	0.109	0.177	1.06	-3.97	-0.693	-3.5	-3.12	1.89	1.18	1.63
Alk-CaC03		427	437	420	397	405	419	405	422	416	413	407	413	404	396	390	397
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		521	533	512	484	494	511	494	514	508	504	496	504	493	483	476	484
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		549	551	531	539	538	493	518	530	538	504	511	519	480	509	521	494
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		83	84	80	85	85	85	81	83	83	91	84	88	86	88	84	81
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.003	<0.001	0.004	0.002	0.002	0.002	0.002	0.002	<0.001	0.001	0.002	0.002	0.003	0.001	<0.001	0.001
Cond *(umhos/cm)*		2680	2700	2630	2640	2810	2660	2660	2700	2580	2600	2620	2550	2560	2640	2550	2510
Cond-Field *(umhos/cm)*		2700	2880	2790	2910	279	2880	2770	2780	2820	2820	2820	2730				
Copper (Cu)		<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	5.8	3.3	2.4	3.4	2.9	3.3	3	4.2	2.5	3	2.4	4.3	5.7	4.8	4.4	4.4
Iron (Fe)	GPS (0.6)	8.57	8.71	7.65	8.33	8.91	7.46	7.94	7.69	8.66	8.32	8.9	8.21	8.13	8.4	8.58	7.57
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	0.3	0.3	0.6	0.3	0.3	0.2	0.2	0.5	<1	0.02	0.1	0.5
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		46.3	47.8	42.8	43.5	44.6	41.8	45.1	43.5	46.6	43.7	46.3	37.4	42.5	38.4	44.2	44
Manganese (Mn)	GPS (0.2)	1.24	1.33	1.26	1.32	1.42	1.29	1.3	1.54	1.48	1.33	1.44	1.49	1.37	1.43	1.46	1.42
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	6.81	6.85	7.84	7.65	7.05	6.75	6.85	6.78	6.72	6.77	6.79	6.75	6.72	6.8	6.69	7.07
pH (Field) *(Std. Units)*		6.7	6.6	6.5	6.58	6.7	6.5	6.6	6.67	7.19	6.5	6.5	6.59				
Potassium (K)		6.5	7.1	7	6.7	6.3	6.1	7.3	6.3	6.8	6.2	7	6.4	5.9	6.2	6.5	6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	21	19	16.4	15.7	18	19.5	15.7	19.4	17.1	18.7	21.1	16.3	23.3	19.4	15.5	24.1
Radium 226 *(pCi/L)*		2.9	2.3	2.5	2.3	3.3	2.9	3	2.4	3.4	2.9	2.3	2.6	2.5	2.9	2.5	3.1
Radium 228 *(pCi/L)*		18.1	16.7	13.9	13.4	14.7	16.6	12.7	17	13.7	15.8	18.8	13.7	20.8	16.5	13	21
Selenium (Se)	GPS (.01)	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		27.1	26.6	24	25	22.4	22.2	22.6	23.3	23.7	22	23	21.8	21.6	24.4	21.9	21.6
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		98.6	110	105	97.5	96.4	96	93.6	93.8	103	97.6	105	84.1	94.8	83.7	99.7	97.1
TDS @ 180° *C.*	GPS (500)	2240	2410	2340	2370	2330	2350	2300	2370	2320	2300	2290	2290	2240	2230	2240	2200
Sulfate (SO4)		1190	1190	1150	1210	1180	1190	1120	1120	1150	1200	1150	1180	1120	1110	1110	1030
Temperature *(C)*		9.7	9.5	13.9	10.8	9.9	12.7	11.3	10.6	7.6	9.7	13.7	12.6				
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	0.9	1	4.4	0.9	0.9	0.7	0.9	0.8	0.8	0.9	0.8	0.9	0.9	0.8	0.8	1.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.02	0.01	<0.01

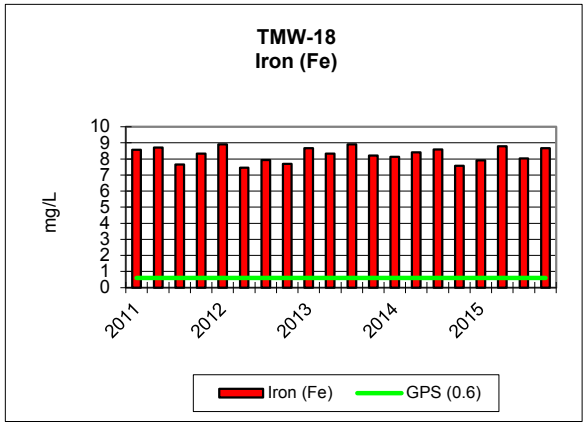
KENNECOTT URANIUM COMPANY					
TMW-18		2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/14/2015	4/8/2015	7/15/2015	10/26/2015
TDS A/C Balance *(dec. %)*		0.75	2.34	2.43	0.95
Alk-CaC03		375	388		377
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		457	473	468	460
Boron (B)		<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		486	480	458	479
Carbonate (CO3)		<1	<1	<1	<1
Chloride (Cl)		89	94	87	85
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		2560	2440	2390	2460
Cond-Field *(umhos/cm)*		259		264	268
Copper (Cu)		<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	<0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	29.2	38.3	4.6	41.5
Iron (Fe)	GPS (0.6)	7.92	8.78	8.04	8.66
Lead (Pb210) *(pCi/L)*	GPS (8.9)	0.7	0.4	0.5	0.5
Lead (Pb)		<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		44.4	43.7	43	43.4
Manganese (Mn)	GPS (0.2)	1.45	1.44	1.33	1.44
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.16	7.05	7.02	6.9
pH (Field) *(Std. Units)*		7.24	6.79	6.57	6.74
Potassium (K)		6.6	6.4	6.5	6.6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	19.1	20.5	14	16.8
Radium 226 *(pCi/L)*		4.8	4.1	1.8	4.6
Radium 228 *(pCi/L)*		14.3	16.4	12.2	12.2
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		22.1	21.5	21.5	21.4
Silver (Ag)		<0.01	<0.01	<0.01	<0.01
Sodium (Na)		101	98.2	97.9	99.4
TDS @ 180° *C.*	GPS (500)	2160	2140	2130	2110
Sulfate (SO4)		1100	1110	1070	1030
Temperature *(C)*		7.8	10	12.1	9.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.07	0.07	0.1	0.04
Uranium, natural *(pCi/L)*	GPS (36)	0.8	0.7	0.7	0.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01

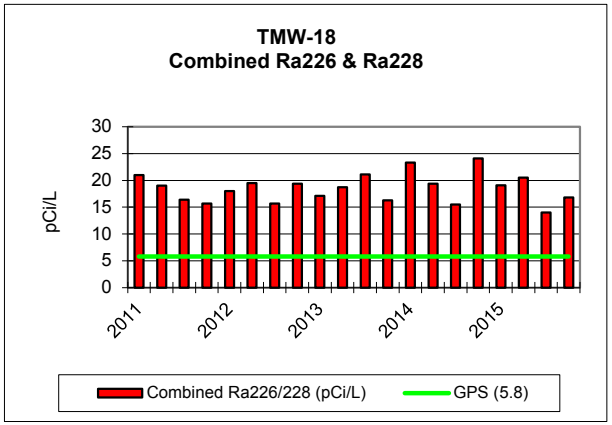

TMW-18
pH
Std Units
10
9
8
7
6
5
4
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-18
Manganese
mg/L
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

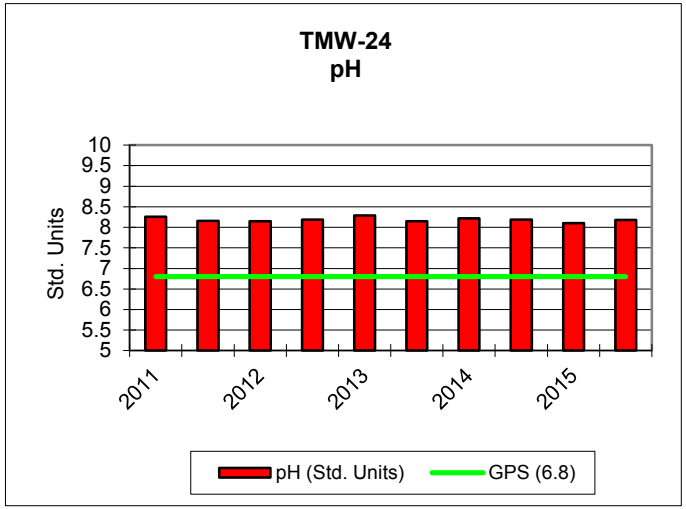

TMW-18
TDS
mg/L
3000
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

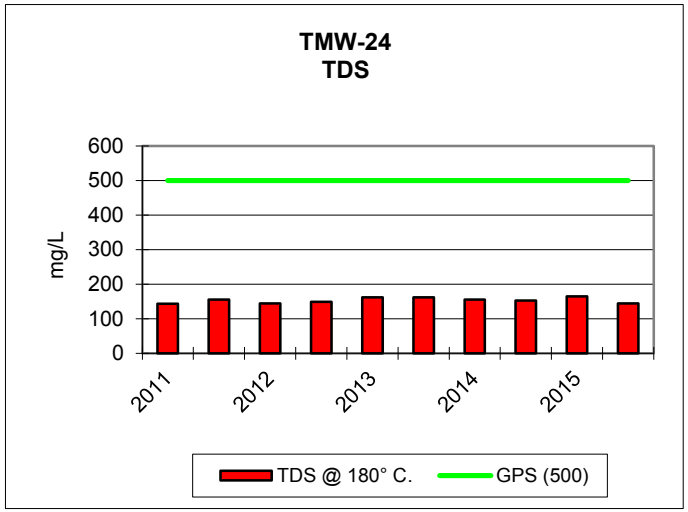

TMW-18
Nickel
mg/L
0.012
0.01
0.008
0.006
0.004
0.002
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)


TMW-18
Iron (Fe)
mg/L
10
9
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

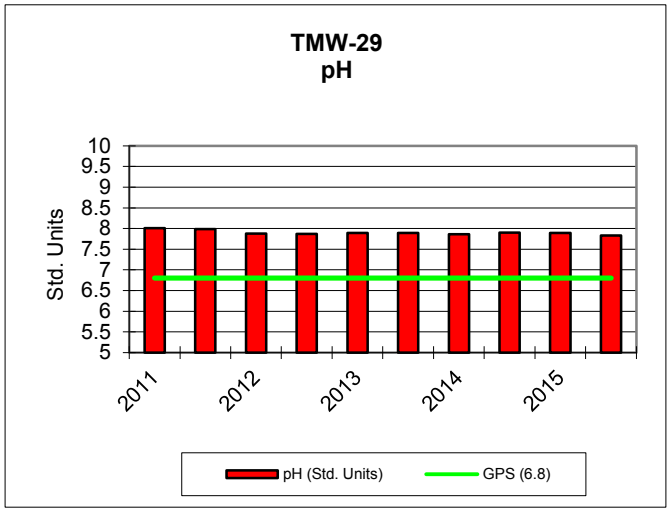

TMW-18
Combined Ra226 & Ra228
pCi/L
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

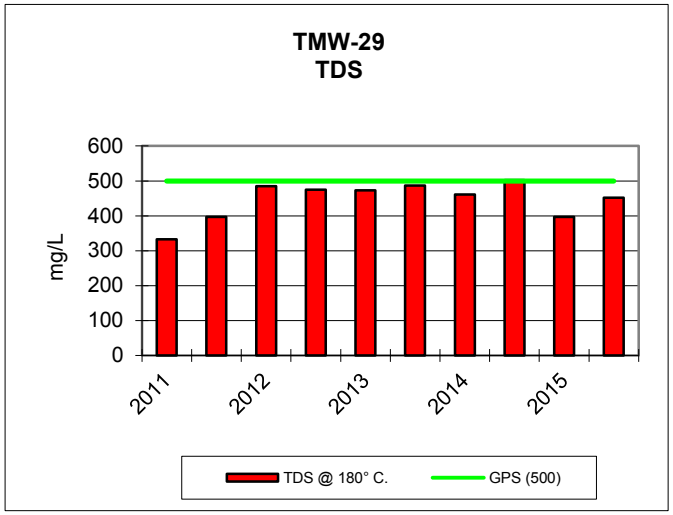
KENNECOTT URANIUM COMPANY											
TMW-24		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/14/2011	8/15/2011	1/26/2012	8/27/2012	2/18/2013	7/16/2013	2/11/2014	8/12/2014	2/17/2015	8/18/2015
TDS A/C Balance *(dec. %)*		-1.89	-1.58	-1.25	-1.8	-1.35	-2.15	2.23	0.17	4.62	0.21
Alk-CaC03		91	83	86	90	93	96	92	91	101	88
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		110	102	104	110	113	117	112	111	124	107
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		21.8	20	20.1	21.2	20.4	21.6	21.2	21.2	21.7	21.5
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		2	2	2	2	2	2	2	2	2	2
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		238	239	251	248	251	253	250	250	249	250
Cond-Field *(umhos/cm)*		265	275	279	270	297	262	272	262	280	256
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Gross Alpha *(pCi/L)*	GPS (15)	1.1	1.7	0.9	1	1.1	0.6	1.5	0.4	0.5	3.5
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	-0.5	0.04
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		0.9	1	0.9	0.9	1.2	1.1	1	1	0.9	1
Manganese (Mn)	GPS (0.2)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.26	8.16	8.15	8.19	8.29	8.15	8.22	8.19	8.1	8.18
pH (Field) *(Std. Units)*		8	7.7	8.1	8.3	7	8.56	6.4	8.7	8.23	8.39
Potassium (K)		1.6	1.5	1.5	1.5	1.6	1.4	1.6	1.5	1.6	1.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	2.9	2.96	2.56	1.88	3.48	1.6	2.58	2.63	1.9	2.6
Radium 226 *(pCi/L)*		1	0.86	0.66	0.78	0.98	0.5	0.58	0.83	1.1	1
Radium 228 *(pCi/L)*		1.9	2.1	1.9	1.1	2.5	1.1	2	1.8	0.8	1.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.4	15.2	15.2	13.9	13.3	13.8	13.4	13.9	13.8	14
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		29.7	29.1	30.2	31	32.1	31.6	30.4	32.2	31.4	31
TDS @ 180° *C.*	GPS (500)	144	156	145	149	162	162	156	153	165	145
Sulfate (SO4)		34	34	34	34	33	33	34	34	34	34
Temperature *(C)*		11.5	12.3	11.1	12.1	10.1	13.6	9.5	10.3	10.7	9.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	0.009	0.3
Uranium, natural *(pCi/L)*	GPS (36)	0.2	0.4	0.3	0.8	1.8	0.4	0.5	0.8	0.2	0.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	0.17	0.01	0.01	<0.01	<0.01


TMW-24
pH
Std. Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

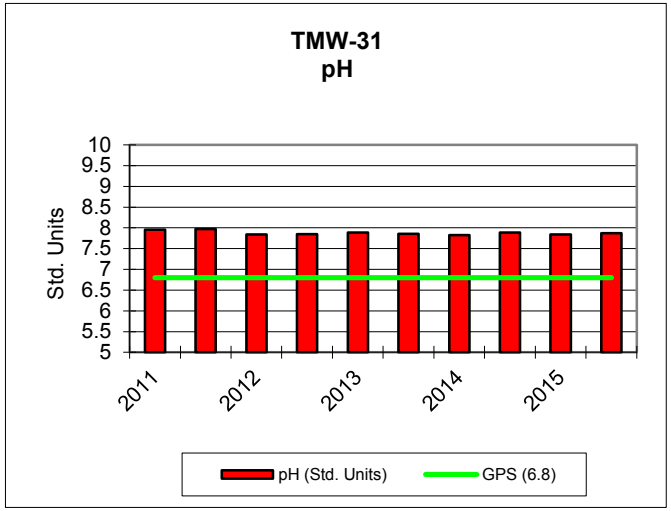

TMW-24
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

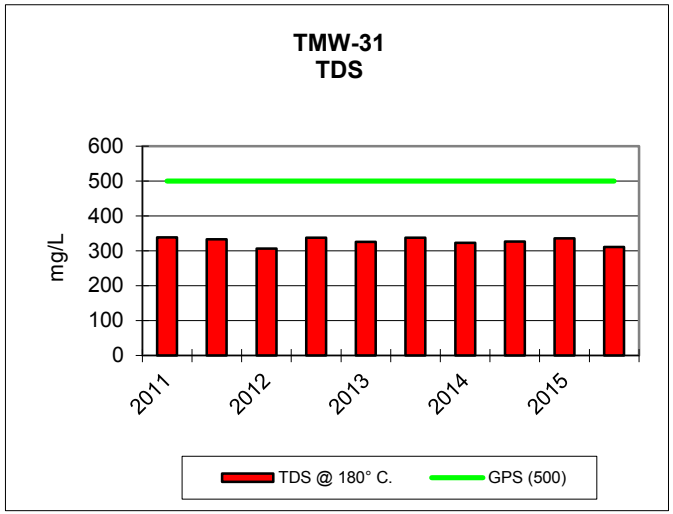
KENNECOTT URANIUM COMPANY											
TMW-29		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/15/2011	8/15/2011	1/30/2012	8/14/2012	2/18/2013	7/16/2013	2/11/2014	8/25/2014	2/17/2015	8/17/2015
TDS A/C Balance *(dec. %)*		-3.56	-3.55	-1.21	-1.12	1.78	-1.65	0.33	0	0.66	0.82
Alk-CaC03		119	110	113	122	117	121	118	122	119	114
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.001	0.002	0.002	0.001	0.002	0.001	0.002	0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		146	135	138	149	143	148	144	149	146	139
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		70.9	75.3	87.4	98.9	104	101	95.5	109	80.5	97.4
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		7	8	9	11	10	13	10	13	8	11
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		538	576	628	680	680	706	671	720	573	686
Cond-Field *(umhos/cm)*		573	620	676	717	735	717	701	780	608	704
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1
Gross Alpha *(pCi/L)*	GPS (15)	2.4	2.5	3.7	2.5	1.3	1.6	2.1	1.5	2.5	8.1
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	1	<1	<1	<1	<1	-0.1	-0.2
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		4.5	4.8	6	6.6	6.8	6.6	6.2	7	5.1	6.3
Manganese (Mn)	GPS (0.2)	0.09	0.14	0.1	0.11	0.09	0.07	0.07	0.07	0.05	0.06
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.01	7.99	7.88	7.87	7.89	7.89	7.86	7.9	7.89	7.83
pH (Field) *(Std. Units)*		7.7	7.5	7.7	7.5	7.42	7.89	6.7	8.1	7.89	7.83
Potassium (K)		2.7	2.7	2.8	3.1	3	2.9	3	3.2	2.9	3.1
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	3.3	4.9	5.3	4.2	3.7	4	4.3	3.4	3.6	4.4
Radium 226 *(pCi/L)*		1.2	1.8	1.5	1.7	1.4	1.3	1.4	1	1.6	1.6
Radium 228 *(pCi/L)*		2.1	3.1	3.8	2.5	2.3	2.7	2.9	2.4	2	2.8
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		16.2	16.2	16	16	14.6	14.4	14.3	14.4	14.8	14.6
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		31.5	32.5	35.4	35.2	37.8	36.8	36.4	39	36.1	37.2
TDS @ 180° *C.*	GPS (500)	333	397	485	475	473	487	461	502	397	452
Sulfate (SO4)		152	173	197	216	219	226	208	239	170	210
Temperature *(C)*		9.7	12.9	10.7	11.7	8.5	14.5	8.8	9.9	8.6	9.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	0.01	0.01	0.009	0.05	0.1	0.06	0.008	0.3
Uranium, natural *(pCi/L)*	GPS (36)	5.4	6.6	5.8	7.1	7.1	6.9	6.1	7	5.1	5
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	0.15	<0.01	<0.01	<0.01	<0.01


TMW-29
pH
Std. Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

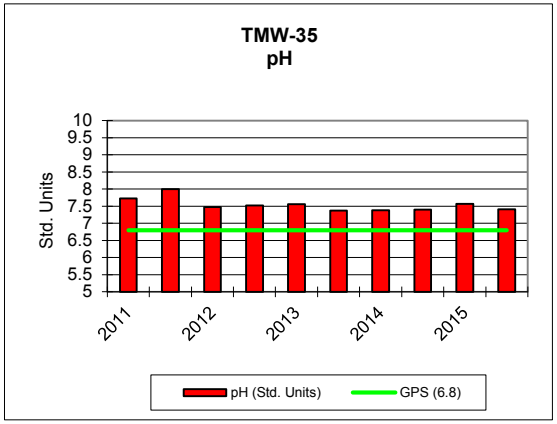

TMW-29
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

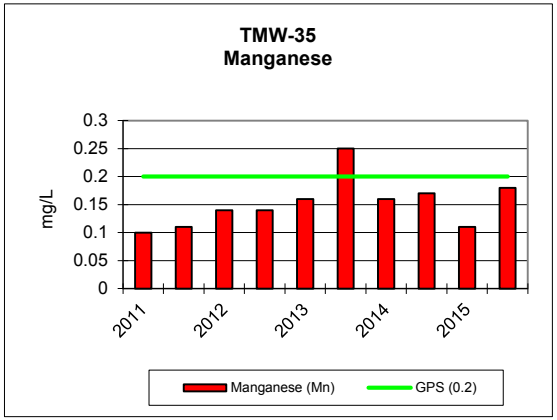
KENNECOTT URANIUM COMPANY											
TMW-31		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/15/2011	8/15/2011	1/30/2012	8/14/2012	2/18/2013	7/16/2013	2/11/2014	8/25/2014	2/17/2015	8/17/2015
TDS A/C Balance *(dec. %)*		-3.55	-0.422	0.14	-1.18	0.382	-1.99	0.2	0.12	0.19	0.54
Alk-CaC03		117	109	112	121	116	121	117	117	117	113
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		143	133	137	147	142	148	142	142	143	137
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		65.9	66	68.6	67.3	69	67.1	66.3	67.4	67.7	66.6
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		6	6	6	6	6	8	6	6	6	6
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		496	490	486	504	492	503	492	491	483	499
Cond-Field *(umhos/cm)*		523	557	525	538	530	513	503	535	534	514
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	2.6	2.9	2.8	2	2	1.6	1.2	1.1	4.4	4.9
Iron (Fe)	GPS (0.6)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead (Pb210) *(pCi/L)*	GPS (8.9)	0.2	0.06	0.03	1	0.1	0	0.2	0.07	-0.6	-0.05
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		4.8	5	5.1	5.5	5.1	5.1	5	5	4.9	5
Manganese (Mn)	GPS (0.2)	0.07	0.09	0.08	0.09	0.08	0.08	0.07	0.07	0.06	0.06
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.96	7.97	7.84	7.85	7.89	7.86	7.83	7.89	7.84	7.87
pH (Field) *(Std. Units)*		7.6	7.3	7.6	7.6	7.5	7.81	8	8.1	7.81	7.7
Potassium (K)		2.5	2.8	2.7	2.6	2.6	2.4	2.7	2.5	2.6	2.6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	3.9	4.4	4.1	3.4	3.7	4	4.4	5	5	4.2
Radium 226 *(pCi/L)*		1.4	1.5	1.3	1.3	1.2	1.1	1.3	1.2	1.4	1.3
Radium 228 *(pCi/L)*		2.5	2.9	2.8	2.1	2.5	2.9	3.1	3.8	3.6	2.9
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		16.4	16.2	15.6	16.7	15	14.6	14.8	14.7	14.8	14.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		27.4	27.9	28.9	27.5	29.9	28.7	29.2	29.6	30.3	29.5
TDS @ 180° *C.*	GPS (500)	339	333	307	338	326	338	323	327	336	311
Sulfate (SO4)		133	129	132	125	129	127	123	126	128	125
Temperature *(C)*		11.3	13	10.6	12.1	7.5	13.6	8.8	10.4	8.6	9.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-0.02	0.3
Uranium, natural *(pCi/L)*	GPS (36)	1.4	2	1.3	1.5	1.5	1.4	1.1	1.3	1.3	1.1
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

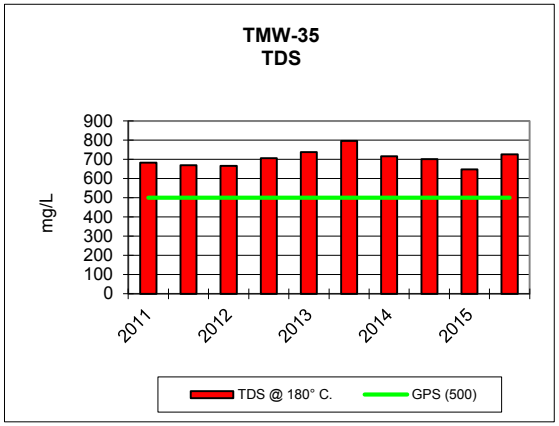

TMW-31
pH
Std. Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

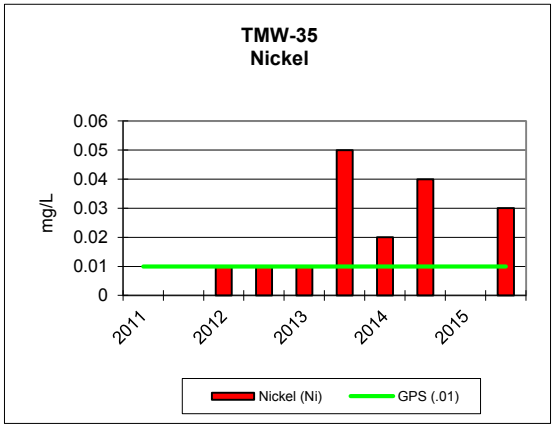

TMW-31
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

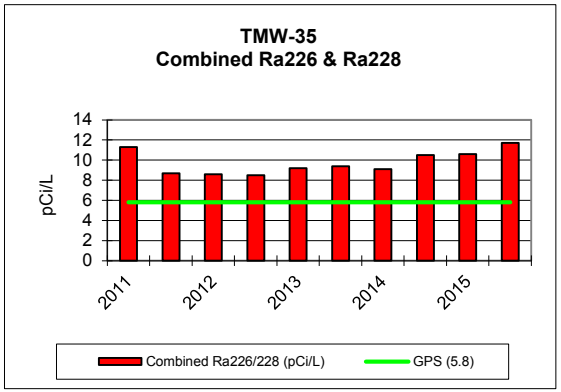
KENNECOTT URANIUM COMPANY											
TMW-35		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/15/2011	8/15/2011	1/30/2012	8/14/2012	2/18/2013	7/23/2013	2/10/2014	8/27/2014	2/17/2015	8/18/2015
TDS A/C Balance *(dec. %)*		-3.44	-1.33	-0.706	0.73	1.09	-0.523	1.06	1.03	1.1	1.25
Alk-CaC03		149	136	140	150	143	142	0.91	0.98	145	132
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		182	166	171	183	174	174	173	171	177	161
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		138	140	148	156	158	167	149	145	138	152
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		7	7	7	7	6	7	7	7	7	7
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	0.002	0.005	0.004	0.006	0.023	0.01	0.013	0.002	0.014
Cond *(umhos/cm)*		911	899	930	961	971	1040	958	946	868	1000
Cond-Field *(umhos/cm)*		936	947	992	1010	1628	1058	1087	1131	917	1023
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	3.9	4.7	2.5	3.2	2.7	3.7	2.8	2.6	4	13.2
Iron (Fe)	GPS (0.6)	0.12	<0.05	0.25	0.35	0.06	0.96	0.64	1.79	0.48	1.86
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	0.1	0.5	0.5	-0.2	0.09	0.4	0.05	-0.2
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		15.1	15.4	18.5	18.8	19.7	23.2	19	18.9	15.6	20.1
Manganese (Mn)	GPS (0.2)	0.1	0.11	0.14	0.14	0.16	0.25	0.16	0.17	0.11	0.18
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	0.01	0.01	0.01	0.05	0.02	0.04	<0.01	0.03
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.73	8	7.48	7.52	7.56	7.37	7.38	7.4	7.57	7.41
pH (Field) *(Std. Units)*		7.3	7.1	7.2	7.1	7.36	7.07	7.5	7.3	7.46	7.1
Potassium (K)		3.3	3.4	3.4	3.9	3.4	3.7	3.6	3.4	3.4	3.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	11.3	8.7	8.6	8.5	9.2	9.4	9.1	10.5	10.6	11.7
Radium 226 *(pCi/L)*		2.9	1.7	1.9	1.9	1.9	2.2	2.2	2	2.4	2
Radium 228 *(pCi/L)*		8.4	7	6.7	6.6	7.3	7.2	6.9	8.5	8.2	9.7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		16.7	16.6	16.6	17.2	15.5	15.5	15.3	15.1	14.7	15.1
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		33.6	34	35.6	35.5	35.6	36.9	36.2	36.5	36.4	36.6
TDS @ 180° *C.*	GPS (500)	684	670	667	707	738	797	717	702	649	727
Sulfate (SO4)		347	344	369	366	377	433	358	370	313	401
Temperature *(C)*		10.9	12.6	9.9	11.7	7.2	13.6	9.2	10.3	8.6	9.3
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-0.01	0.3
Uranium, natural *(pCi/L)*	GPS (36)	5.2	6.2	5.3	5.9	5.4	5.8	5.2	5.9	5.1	5.6
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.01	0.01	0.02	0.02	0.02	<0.01	0.02

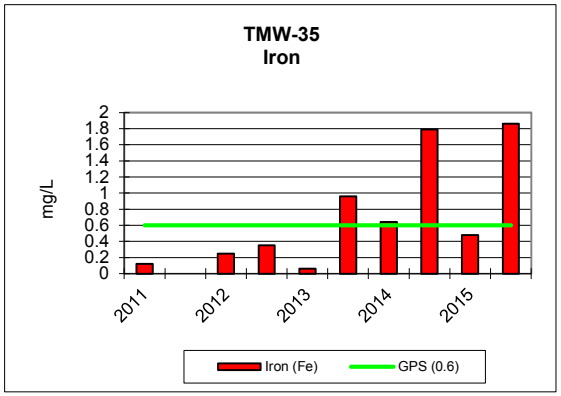

TMW-35
pH
Std. Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-35
Manganese
mg/L
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

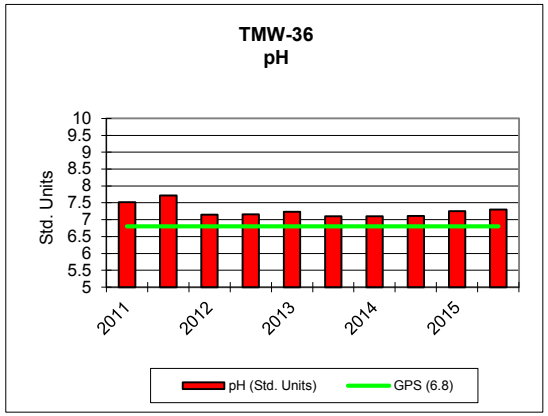

TMW-35
TDS
mg/L
900
800
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

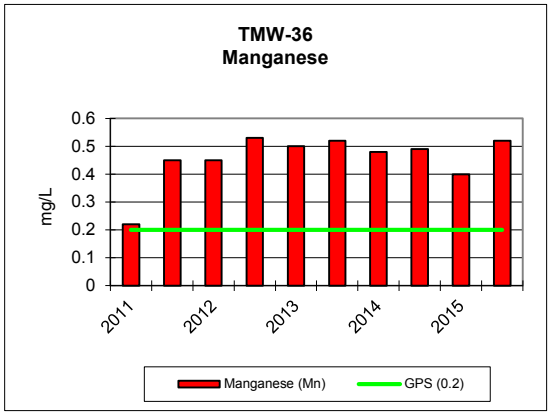

TMW-35
Nickel
mg/L
0.06
0.05
0.04
0.03
0.02
0.01
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

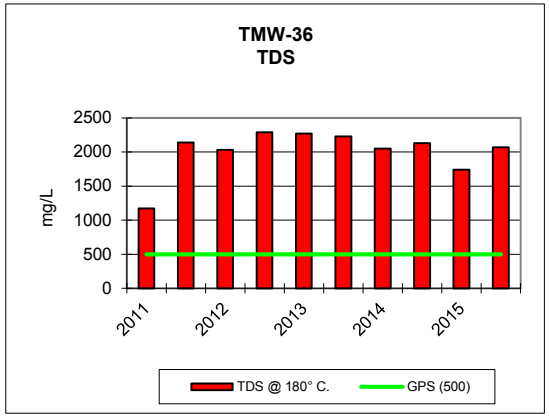

TMW-35
Combined Ra226 & Ra228
pCi/L
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

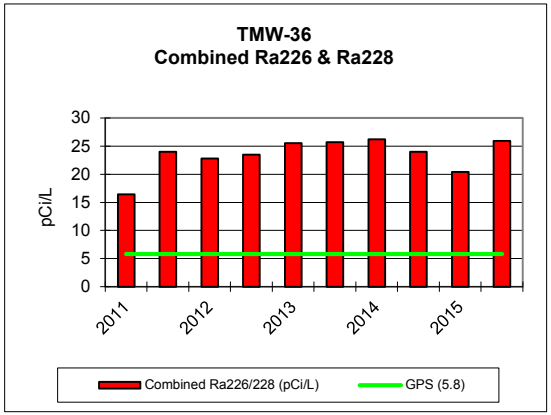

TMW-35
Iron
mg/L
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

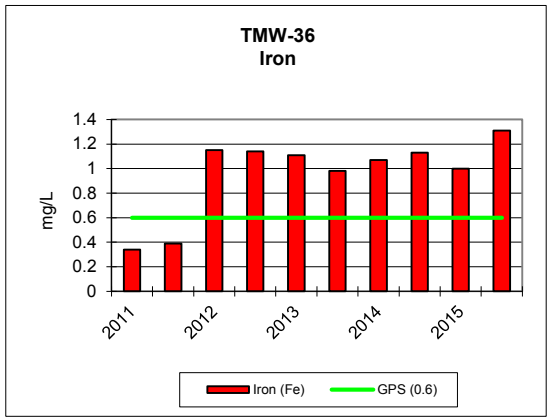
KENNECOTT URANIUM COMPANY											
TMW-36		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/15/2011	8/15/2011	1/25/2012	8/14/2012	2/19/2013	7/23/2013	2/10/2014	8/25/2014	2/11/2015	8/18/2015
TDS A/C Balance *(dec. %)*		-2.78	-1.81	-2.02	-1.43	0.323	1.22	0.55	4.33	0.96	0.51
Alk-CaC03		161	192	183	215	207	205	199	221	197	194
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	1.002	2.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		196	234	223	262	253	250	242	269	240	236
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		241	465	420	486	487	484	445	472	391	454
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		9	13	12	14	12	12	13	14	13	13
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.002	0.004
Cond *(umhos/cm)*		1410	2270	2100	2430	2370	2360	2220	2460	1980	2360
Cond-Field *(umhos/cm)*		1424	2410	2060	2540	2590	2420	2390	2440	1997	2360
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	<0.1	0.1	0.1	<0.1	0.1	<0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	7.6	11.5	7.4	11.7	7	8.5	7.7	5.4	27.7	30.7
Iron (Fe)	GPS (0.6)	0.34	0.39	1.15	1.14	1.11	0.98	1.07	1.13	1	1.31
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	0.4	0.4	-0.3	0.8
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		32.5	65.2	60.9	70.2	69.7	69.5	63.1	62.1	53.2	63.4
Manganese (Mn)	GPS (0.2)	0.22	0.45	0.45	0.53	0.5	0.52	0.48	0.49	0.4	0.52
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	1.01	2.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3
pH *(Std. Units)*	GPS (6.8)	7.52	7.72	7.15	7.16	7.23	7.1	7.1	7.11	7.25	7.3
pH (Field) *(Std. Units)*		7	6.8	6.9	6.8	7	6.86	7.1	6.9	7.06	6.69
Potassium (K)		4.4	6.6	5.8	6.7	6.1	6.6	6.3	5.9	5.4	6.2
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	16.4	24	22.8	23.5	25.5	25.7	26.2	24	20.4	25.9
Radium 226 *(pCi/L)*		3.8	5.7	4.5	5.6	6.2	5.8	5.7	5	4.5	5.8
Radium 228 *(pCi/L)*		12.6	18.3	18.3	17.9	19.3	19.9	20.5	19	15.9	20.1
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		12.8	11.5	9.5	10.3	10.4	10.7	10.3	9.8	10	10.5
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		36.2	49.3	45	47.5	47.1	49.6	46	45.6	41.6	46.8
TDS @ 180° *C.*	GPS (500)	1170	2140	2030	2290	2270	2230	2050	2130	1740	2070
Sulfate (SO4)		664	1340	1210	1370	1320	1300	1200	1380	1010	1250
Temperature *(C)*		10.8	11.9	10	11.3	8.8	13.5	9.7	9.7	9	9.1
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.09	0.2
Uranium, natural *(pCi/L)*	GPS (36)	63.4	95.5	87.5	112	105	102	95.7	94.2	87.6	91.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.01	0.02	0.01	0.02	0.03	<0.01	<0.01

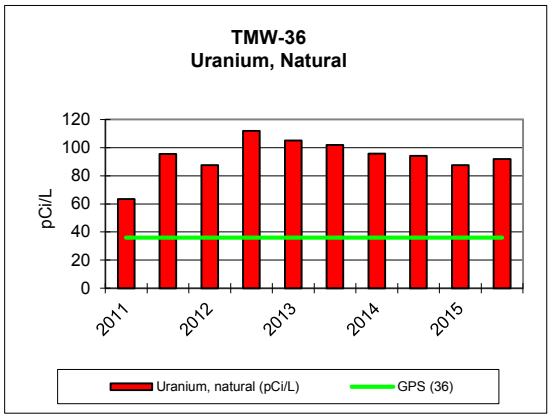

TMW-36
pH
Std. Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-36
Manganese
mg/L
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

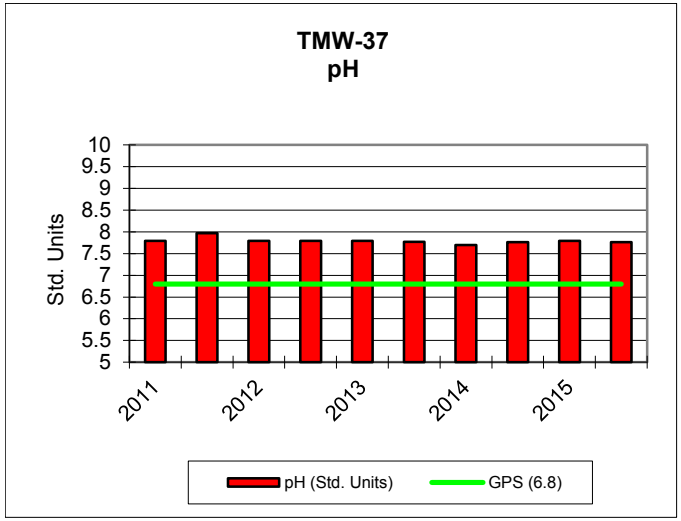

TMW-36
TDS
mg/L
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

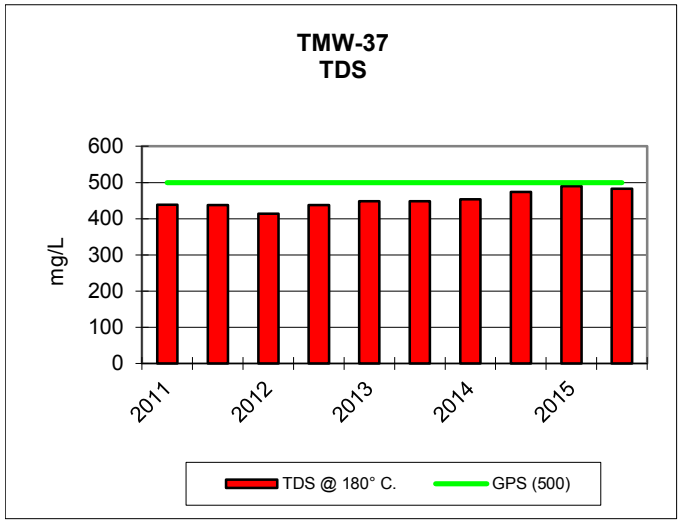

TMW-36
Combined Ra226 & Ra228
pCi/L
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)


TMW-36
Iron
mg/L
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

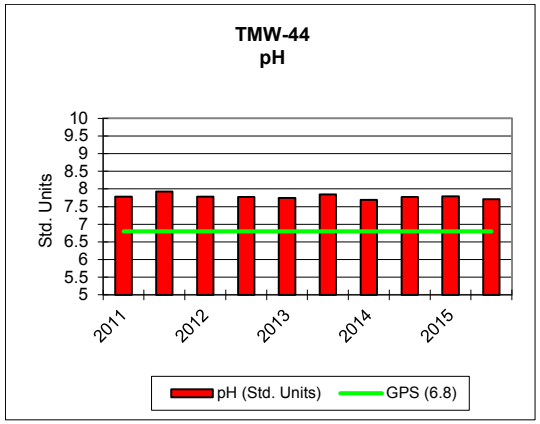

TMW-36
Uranium, Natural
pCi/L
120
100
80
60
40
20
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

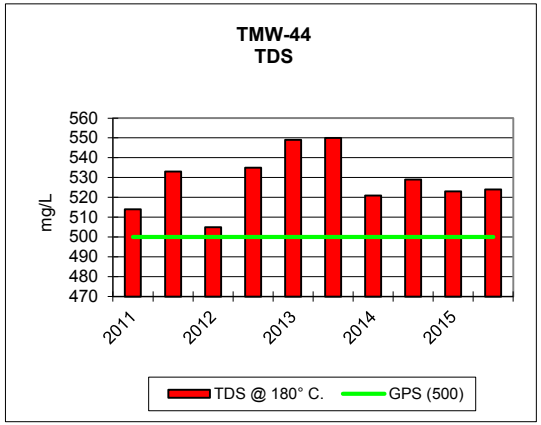
KENNECOTT URANIUM COMPANY											
TMW-37		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/22/2011	8/2/2011	1/30/2012	8/14/2012	2/19/2013	7/22/2013	2/10/2014	8/25/2014	2/11/2015	8/18/2015
TDS A/C Balance *(dec. %)*		-1.71	-2.96	0.722	-0.379	1.41	0.65	0.86	0.59	1.48	1.26
Alk-CaC03		135	124	128	137	133	128	128	127	129	123
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.031	0.041	0.026	0.027	0.019	0.023	0.02	0.019	0.018	0.015
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		165	151	156	167	162	157	156	155	157	150
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		94	85.8	94.1	96.4	97.3	95.2	94.4	99.6	104	103
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		7	7	6	7	6	6	7	7	6	6
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cond *(umhos/cm)*		659	634	636	658	652	663	667	681	704	717
Cond-Field *(umhos/cm)*		695	706	684	700	710	715	719	734	737	742
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	2.3	2.5	3.7	2.8	2.5	1.8	2.5	1.5	9.4	8.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	-0.6	0.3
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		7.5	7.6	7.8	8	8	7.8	7.7	8	8.4	8.3
Manganese (Mn)	GPS (0.2)	0.08	0.11	0.09	0.08	0.07	0.06	0.07	0.06	0.06	0.05
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.79	7.97	7.79	7.79	7.79	7.77	7.7	7.76	7.79	7.76
pH (Field) *(Std. Units)*		7.6	7.6	7.4	7.5	7.6	8.1	7.5	8	7.56	7.57
Potassium (K)		3.2	3.1	3.4	3.6	3.3	3.2	3.4	3.3	3.3	3.4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	5.4	4.5	6.1	4	6	7.5	6	4.6	5.6	4.9
Radium 226 *(pCi/L)*		1.6	2	2.2	1.5	1.8	1.8	2.1	1.8	2	1.6
Radium 228 *(pCi/L)*		3.8	2.5	3.9	2.5	4.2	5.7	3.9	2.8	3.6	3.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		12.8	10.2	12.6	13.2	12.2	11.3	11.5	11.9	11.9	12.2
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		32.9	33.8	35	33.9	36.2	35.4	34.6	36.4	35.8	36.7
TDS @ 180° *C.*	GPS (500)	439	438	414	438	448	448	454	474	490	483
Sulfate (SO4)		200	200	197	200	199	201	207	223	219	241
Temperature *(C)*		9.3	12.4	10.4	11.1	8.8	11	8.4	9.7	9.4	8.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.2
Uranium, natural *(pCi/L)*	GPS (36)	6	4.7	3.8	4	3	3.5	3.1	3	2	2.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

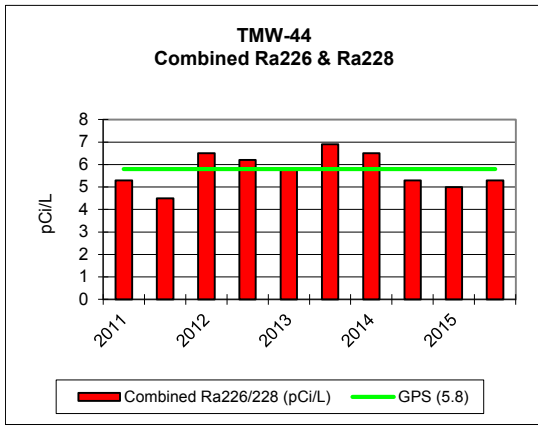

TMW-37
pH
Std. Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-37
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

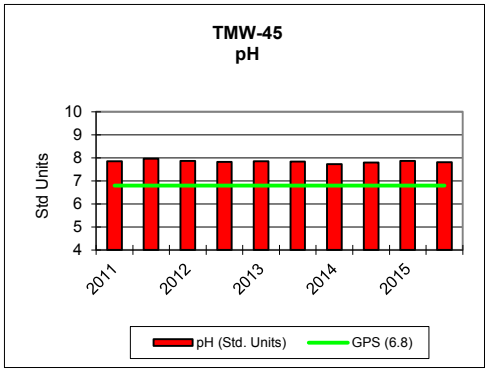
KENNECOTT URANIUM COMPANY											
TMW-44		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/22/2011	8/2/2011	1/25/2012	8/14/2012	2/19/2013	7/23/2013	2/10/2014	7/21/2014	2/11/2015	8/17/2015
TDS A/C Balance *(dec. %)*		-0.469	-2.26	-2.12	-0.791	1.18	0.735	0.09	1.4	1.29	0.14
Alk-CaC03		131	129	128	137	132	135	131	133	132	128
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		160	157	156	167	161	165	160	163	161	157
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		110	106	103	110	113	115	108	116	112	110
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		8	8	8	8	7	8	8	8	8	9
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		739	748	723	770	745	773	744	766	750	775
Cond-Field *(umhos/cm)*		790	839	766	804	807	804	842	770	791	790
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	2.4	1.6	1.4	2.7	2	2.6	2.1	2.9	8	8.3
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.13	0.09
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		9.4	9.6	9.6	10.2	9.7	10.2	9.4	9.9	9.5	9.8
Manganese (Mn)	GPS (0.2)	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.07	0.08	0.07
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.78	7.93	7.78	7.77	7.75	7.85	7.69	7.77	7.79	7.71
pH (Field) *(Std. Units)*		7.6	7.5	7.6	7.4	7.6	7.86	7.6	7.7	7.76	7.48
Potassium (K)		3	3.1	3	3.1	3.1	3.2	3.2	3.1	3.2	3.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	5.3	4.5	6.5	6.2	5.8	6.9	6.5	5.3	5	5.3
Radium 226 *(pCi/L)*		1.6	1.8	1.5	1.9	1.3	1.7	1.7	1.6	1.7	1.7
Radium 228 *(pCi/L)*		3.7	2.7	5	4.3	4.5	5.2	4.8	3.7	3.3	3.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		17.9	15.4	13.4	16.8	15.5	14.9	15.3	14.8	14.7	15.2
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		35.9	38.2	38.1	37.3	38.8	39.6	38.5	40.5	39	39.5
TDS @ 180° *C.*	GPS (500)	514	533	505	535	549	550	521	529	523	524
Sulfate (SO4)		245	256	251	250	247	256	243	255	242	256
Temperature *(C)*		11	12.2	9.8	10.6	9.4	11.6	9.2	11.5	9.3	9.5
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	<0.2	0.01	0.08	0.1	0.05	0.03	0.08	0.2	0.3
Uranium, natural *(pCi/L)*	GPS (36)	1.3	1.7	0.8	1.8	0.9	1.4	0.6	0.9	0.3	1.1
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

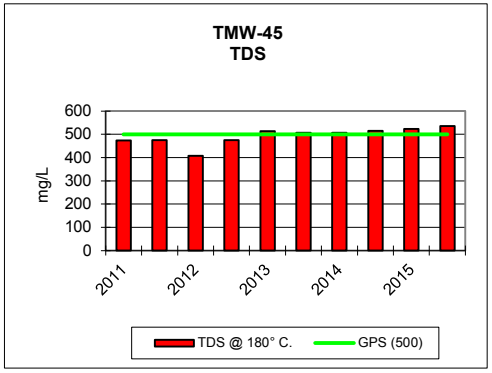

TMW-44
pH
Std. Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-44
TDS
mg/L
560
550
540
530
520
510
500
490
480
470
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

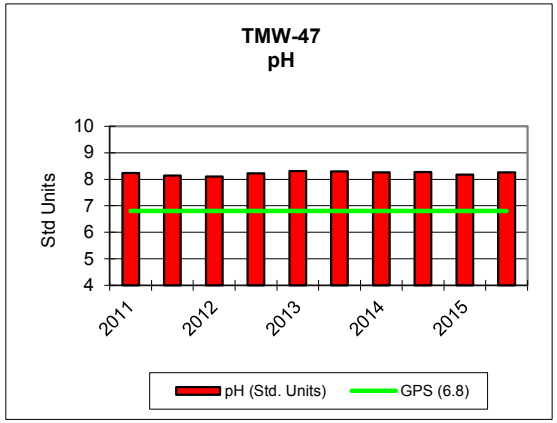

TMW-44
Combined Ra226 & Ra228
pCi/L
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

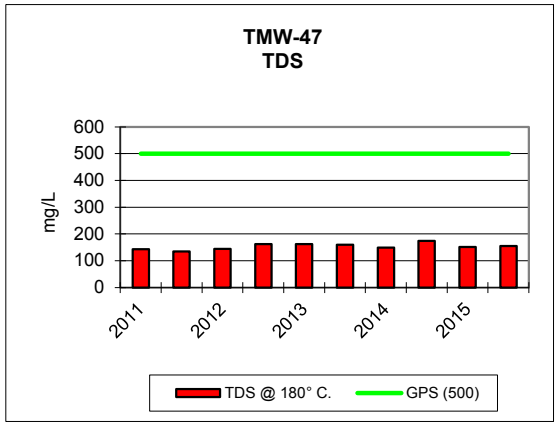
KENNECOTT URANIUM COMPANY											
TMW-45		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/22/2011	8/2/2011	1/25/2012	8/14/2012	2/19/2013	7/23/2013	1/21/2014	7/21/2014	2/11/2015	8/11/2015
TDS A/C Balance *(dec. %)*		-3.41	-1.34	-1.15	-0.13	0.588	2.09	-1.05	1.44	1.09	195
Alk-CaC03		145	132	129	146	151	143	153	148	146	156
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		176	161	157	178	184	175	187	180	178	190
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.1	0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		97.6	97.1	95.6	101	106	106	108	116	116	116
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		7	7	6	7	6	6	6	6	7	7
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		694	686	668	700	702	712	724	746	758	778
Cond-Field *(umhos/cm)*		719	762	705	731	759	731	755	788	787	796
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	2.6	1.1	1.5	2.2	1.6	1.6	1.2	1.4	6.1	8.8
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		7.5	7.8	7.6	8.2	8.1	8.3	8.4	8.6	8.9	8.7
Manganese (Mn)	GPS (0.2)	0.07	0.08	0.07	0.08	0.07	0.07	0.08	0.08	0.08	0.08
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.85	7.96	7.86	7.82	7.85	7.83	7.72	7.79	7.86	7.81
pH (Field) *(Std. Units)*		7.6	7.5	7.7	7.5	7.5	7.88	7.9	7.8	7.69	7.49
Potassium (K)		3	3	3	3.2	2.9	3	3.3	3.4	3.2	3.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	4.3	3.4	3.2	3.5	1.3	2.94	3.4	3	6.2	3.8
Radium 226 *(pCi/L)*		1.7	1.5	1.1	1.4	1.3	0.74	1.1	1.2	1.9	1.5
Radium 228 *(pCi/L)*		2.6	1.9	2.1	2.1	0	2.2	2.3	1.8	4.3	2.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		18.1	14	14.4	17.7	15.7	15.9	16	15.7	15.3	14.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		34.2	36.9	35.3	35.8	40.8	38.5	38.2	38.7	37.5	36.8
TDS @ 180° *C.*	GPS (500)	473	475	408	475	513	507	507	515	523	536
Sulfate (SO4)		214	217	211	206	217	210	229	235	237	250
Temperature *(C)*		11	11.6	10.3	10.8	9.7	12.9	9.4	12.9	8.9	9.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.4
Uranium, natural *(pCi/L)*	GPS (36)	2.1	1.7	0.7	1.4	2.9	2.4	1.5	1.6	0.9	0.0041
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	0.21	<0.01	0.01	<0.01	<0.01

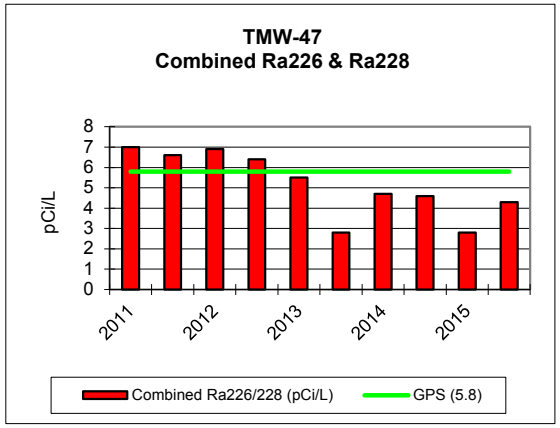

TMW-45
pH
Std Units
10
9
8
7
6
5
4
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-45
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

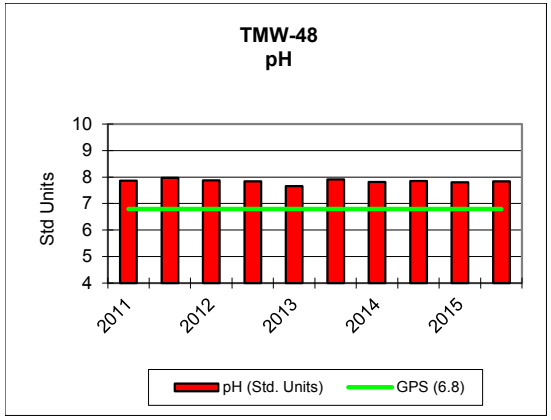
KENNECOTT URANIUM COMPANY											
TMW-47		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/22/2011	8/2/2011	1/26/2012	8/15/2012	2/13/2013	7/23/2013	1/21/2014	8/5/2014	2/10/2015	8/11/2015
TDS A/C Balance *(dec. %)*		-2.34	-0.227	-3.67	-3.87	-1.29	1.66	-1.28	1.35	0.07	0.75
Alk-CaC03		90	84	92	93	89	91	90	92	90	87
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		108	99	113	113	109	111	110	111	110	107
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		19.7	18.8	18.8	19.3	19.1	20.6	19.3	19.9	19.8	19.4
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		2	2	2	2	2	2	2	2	2	2
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		240	227	246	244	240	246	242	243	241	247
Cond-Field *(umhos/cm)*		258	277	293	265	258	257	294	405	161	257
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	5.3	5.2	4.6	4.2	4	2.6	3.9	3.4	6.3	37.5
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	4.4	0.2	1	2.4	1.4	1.1	1.1	0.6	1.5	-0.7
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		0.8	0.8	0.8	0.8	0.8	1	0.8	0.9	0.8	0.8
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.23	8.14	8.1	8.22	8.31	8.3	8.26	8.27	8.18	8.26
pH (Field) *(Std. Units)*		8.2	8.3	7.7	8.2	8.9	8.67	8.6	8.5	8.33	8.42
Potassium (K)		1.5	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.5	1.6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	7	6.6	6.9	6.4	5.5	2.8	4.7	4.6	2.8	4.3
Radium 226 *(pCi/L)*		4.7	5.6	4.3	5.2	3.9	2.4	3.6	2.6	2.7	3.1
Radium 228 *(pCi/L)*		2.3	1	2.6	1.2	1.6	0.4	1.1	2	0.1	1.2
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		16	12.5	15	16.2	15.1	13.4	13.8	13.9	13.7	13.4
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		31.3	31.6	31.6	30.7	31.7	33.7	32.3	31.9	32.9	31.3
TDS @ 180° *C.*	GPS (500)	143	135	144	162	162	160	149	174	152	155
Sulfate (SO4)		33	33	33	32	30	30	31	31	31	31
Temperature *(C)*		9.5	12.6	10.2	11.5	8.5	13.1	9.1	13.6	9	9.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	0.5	0.2	0.3	0.2	0.3	0.5	0.3	0.2	0.2	0.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	<0.01	<0.01	0.12	<0.01	<0.01	<0.01	<0.01

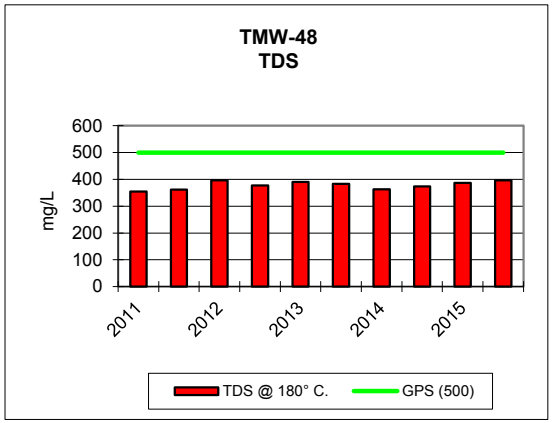

TMW-47
pH
Std Units
10
9
8
7
6
5
4
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

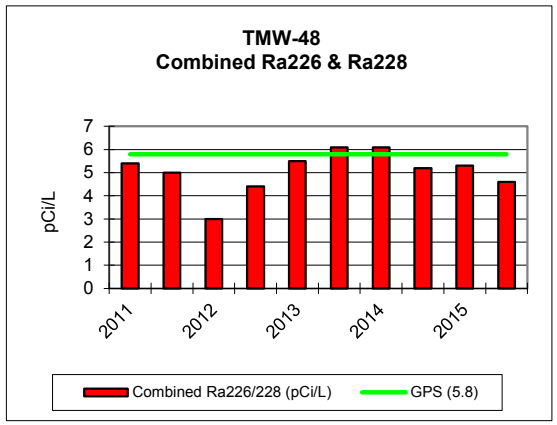

TMW-47
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-47
Combined Ra226 & Ra228
pCi/L
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

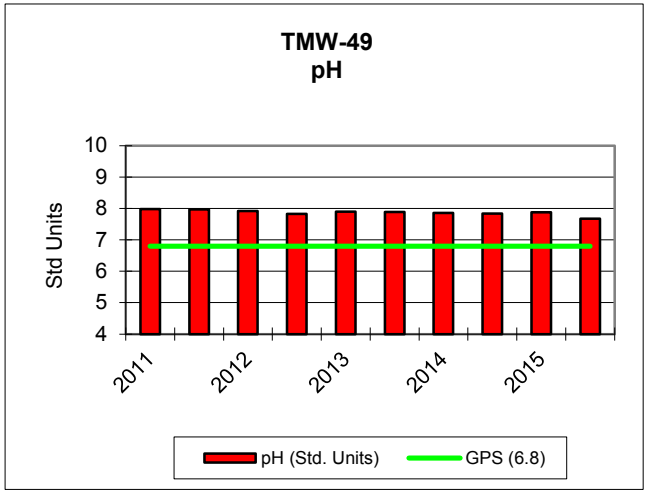
KENNECOTT URANIUM COMPANY											
TMW-48		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/22/2011	8/2/2011	1/25/2012	8/15/2012	2/13/2013	7/23/2013	1/21/2014	8/5/2014	2/10/2015	8/11/2015
TDS A/C Balance *(dec. %)*		-1.43	-1.01	-0.508	-1.92	0.145	0.877	-0.293	0.44	0.61	0.98
Alk-CaC03		116	109	106	120	118	117	116	119	118	113
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		142	133	129	147	144	142	141	145	143	138
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		75	73.8	72.8	76.3	79.8	79.5	74.4	79.9	81.7	83.1
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		5	5	5	5	5	4	5	5	5	5
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		543	535	523	554	560	564	548	557	563	582
Cond-Field *(umhos/cm)*		579	606	552	571	615	586	609	356	609	595
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	2.5	2.1	2.8	2	2.7	2.7	2.4	2.6	5.9	21.2
Iron (Fe)	GPS (0.6)	0.07	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	0.09	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	0.1	0.5	0.7	0.7	0.6	0.8	0.8	1.3
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		4.6	4.8	4.6	4.9	4.9	5	4.7	5	5	5.1
Manganese (Mn)	GPS (0.2)	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.05	0.05
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.86	7.97	7.88	7.84	7.66	7.91	7.82	7.85	7.8	7.84
pH (Field) *(Std. Units)*		7.6	7.5	7.8	7.6	8.15	7.71	8.1	7.8	7.76	7.61
Potassium (K)		2.6	2.7	2.6	2.8	2.7	2.7	2.7	2.7	2.8	2.9
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	5.4	5	3	4.4	5.5	6.1	6.1	5.2	5.3	4.6
Radium 226 *(pCi/L)*		2	2.5	1.4	2.4	3.2	2.6	1.9	1.8	1.8	2.3
Radium 228 *(pCi/L)*		3.4	2.5	1.6	2	2.3	3.5	4.2	3.4	3.5	2.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		18.3	14.6	14	17.5	16.3	15.3	15.3	15.4	15.1	15
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		30	32.7	31.1	30.7	33	33	32.4	32.5	33.8	31.9
TDS @ 180° *C.*	GPS (500)	355	362	396	377	391	383	363	374	387	397
Sulfate (SO4)		153	161	155	157	162	159	151	164	166	168
Temperature *(C)*		10.6	12	10.2	11.2	8.4	12	8.6	11.6	8.6	9.2
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	1.1	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

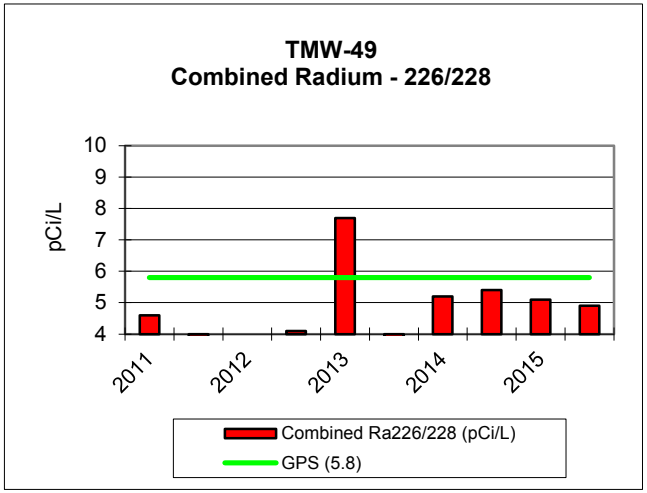

TMW-48
pH
Std Units
10
9
8
7
6
5
4
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

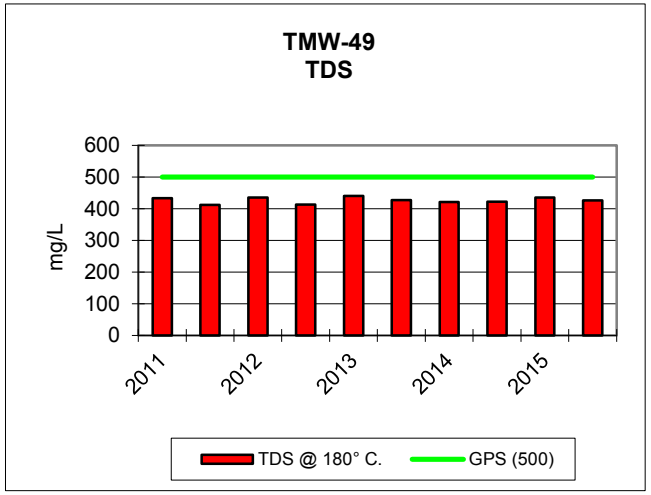

TMW-48
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-48
Combined Ra226 & Ra228
pCi/L
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

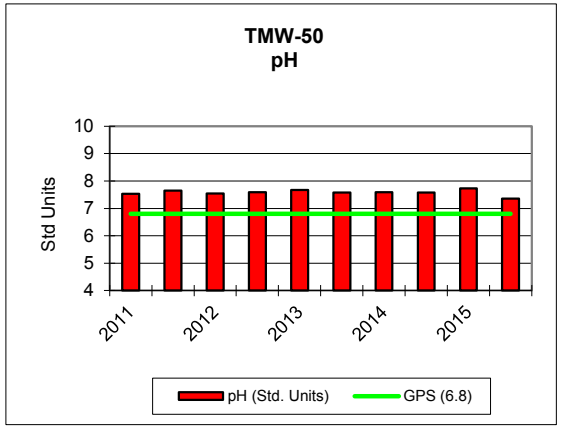
KENNECOTT URANIUM COMPANY											
TMW-49		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/1/2011	9/11/2011	2/20/2012	8/27/2012	3/4/2013	8/6/2013	2/11/2014	9/5/2014	3/17/2015	9/1/2015
TDS A/C Balance *(dec. %)*		-1.04	0.253	-0.454	-0.778	0.0502	-0.403	0.07	1.53	2.25	0.92
Alk-CaC03		112	104	105	111	126	118	112	113	112	119
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		137	127	129	136	154	145	137	137	136	145
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		86.7	86.5	85.8	85.9	86	86.3	86.9	85.7	90.4	89.5
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		7	7	7	7	6	6	7	7	8	7
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		611	607	620	621	610	622	616	616	628	622
Cond-Field *(umhos/cm)*		622	653	662	646	648	695	642	657	1107	648
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	ND
Gross Alpha *(pCi/L)*	GPS (15)	1.6	1.3	1.7	1.5	1.3	2.1	1.9	1.5	2.1	4.4
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	0.06
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		4.2	4.4	4.2	4.2	4.3	4.4	4.3	4.2	4.6	4.5
Manganese (Mn)	GPS (0.2)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.98	7.97	7.92	7.83	7.9	7.89	7.86	7.84	7.88	7.68
pH (Field) *(Std. Units)*		7.8	7.5	7.7	7.8	7.99	7.9	7	7.9	7.85	7.89
Potassium (K)		3	3	2.9	2.8	2.8	2.9	2.7	2.7	3	2.9
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	4.6	3.9	4	4.1	7.7	2.9	5.2	5.4	5.1	4.9
Radium 226 *(pCi/L)*		1.3	1.3	1.4	1.7	1.3	1.4	1.3	2.2	1.6	1.4
Radium 228 *(pCi/L)*		3.3	2.6	2.6	2.4	6.4	1.5	3.9	3.2	3.5	3.5
Selenium (Se)	GPS (.01)	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		16.3	18.7	16.9	15.4	15.5	15	15.4	14.8	17.3	15.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		38.2	37.6	36.7	37.7	38.7	39.3	38	37.2	39.7	39.9
TDS @ 180° *C.*	GPS (500)	434	412	436	413	441	428	422	423	436	427
Sulfate (SO4)		197	195	195	193	177	190	191	194	189	190
Temperature *(C)*		9.7	11.4	9.7	11.9	10.8	11.2	9.1	9.9	9.1	9.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Uranium, natural *(pCi/L)*	GPS (36)	0.5	0.4	0.5	0.9	0.4	0.4	0.4	0.3	0.4	0.6
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

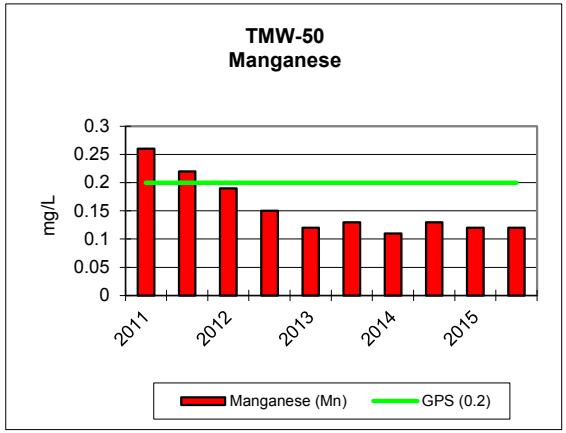

TMW-49
pH
Std Units
10
9
8
7
6
5
4
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

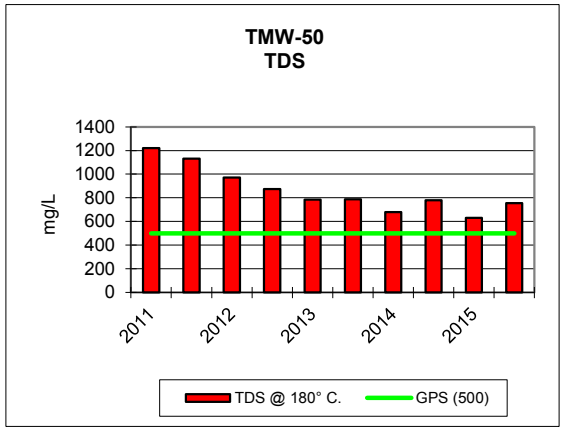

TMW-49
Combined Radium - 226/228
pCi/L
10
9
8
7
6
5
4
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

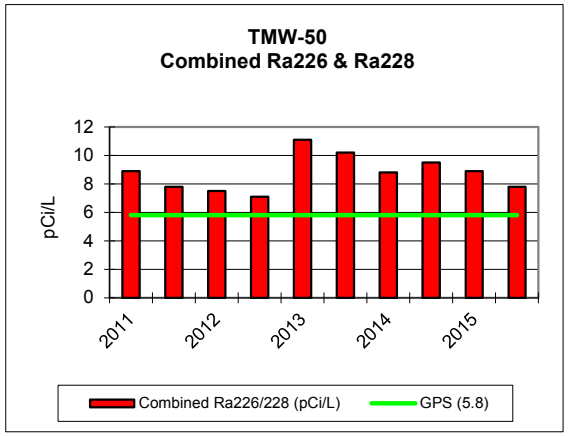

TMW-49
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

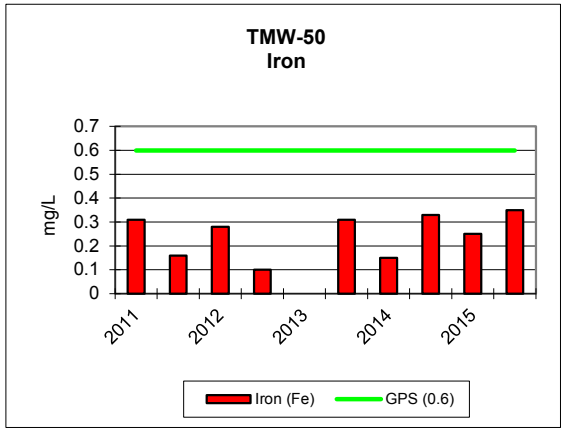
KENNECOTT URANIUM COMPANY											
TMW-50		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/7/2011	9/11/2011	2/20/2012	9/17/2012	3/4/2013	8/6/2013	2/18/2014	9/5/2014	3/17/2015	9/1/2015
TDS A/C Balance *(dec. %)*		-1.71	-3.17	0.952	-1.47	2.11	1.77	1.16	2.81	0.54	2.5
Alk-CaC03		199	173	162	162	154	150	155	162	140	144
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		243	211	197	198	188	182	190	198	171	175
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		274	238	217	190	168	175	146	170	132	170
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		27	26	21	21	17	15	16	15	15	12
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1530	1400	1240	1150	1030	1050	929	1030	889	1010
Cond-Field *(umhos/cm)*		1570	1473	1273	1157	1085	1146	955	1075	1570	1044
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	<0.1	<0.1	0.1	0.1	0.1	0.1	<0.1	0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	2.2	3	2.5	2.8	2.3	3.2	3.1	3.4	5.8	10.2
Iron (Fe)	GPS (0.6)	0.31	0.16	0.28	0.1	<0.05	0.31	0.15	0.33	0.25	0.35
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		20.3	19.4	16	12.5	11.5	12.8	10.2	12.3	10.3	12.8
Manganese (Mn)	GPS (0.2)	0.26	0.22	0.19	0.15	0.12	0.13	0.11	0.13	0.12	0.12
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.53	7.65	7.54	7.59	7.67	7.58	7.59	7.58	7.73	7.36
pH (Field) *(Std. Units)*		7.2	7.3	7.2	7.46	7.32	7.4	7.7	7.4	7.55	7.32
Potassium (K)		4.9	4.7	4.3	3.8	3.7	3.9	3.5	3.4	3.6	3.7
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	8.9	7.8	7.5	7.1	11.1	10.2	8.8	9.5	8.9	7.8
Radium 226 *(pCi/L)*		3.7	2	2.4	2.5	2.2	2.1	2.5	3	1.8	2.2
Radium 228 *(pCi/L)*		5.2	5.8	5.1	4.6	8.9	8.1	6.3	6.5	7.1	5.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		20.6	20.4	19.2	17.9	17	16.7	16.9	16.2	19.3	17.1
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		57.4	52.6	49.6	45.4	46.2	48.2	44.9	44.2	45.9	46.5
TDS @ 180° *C.*	GPS (500)	1220	1130	972	874	785	787	679	779	632	756
Sulfate (SO4)		665	611	495	438	354	391	328	408	299	377
Temperature *(C)*		10.6	12	9	12.3	10.3	11.5	9.3	9.7	8.9	9.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	0.2	<0.2	<0.2	0.2	0.2	<0.2	<0.2	<0.2	0.3
Uranium, natural *(pCi/L)*	GPS (36)	3.4	2.3	1.8	1.6	1.2	1.5	1.2	1.4	1.2	1.6
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.02	<0.01	0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.01


TMW-50
pH
Std Units
10
9
8
7
6
5
4
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

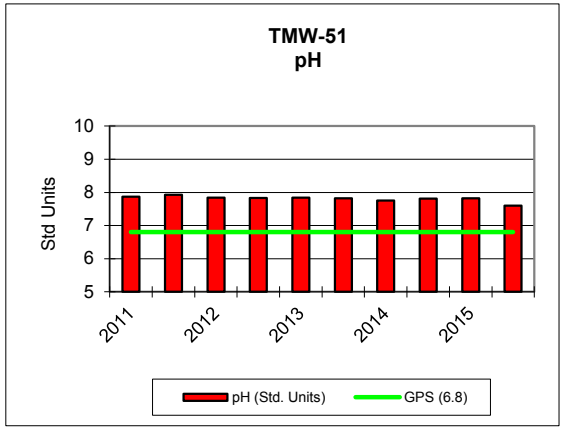

TMW-50
Manganese
mg/L
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

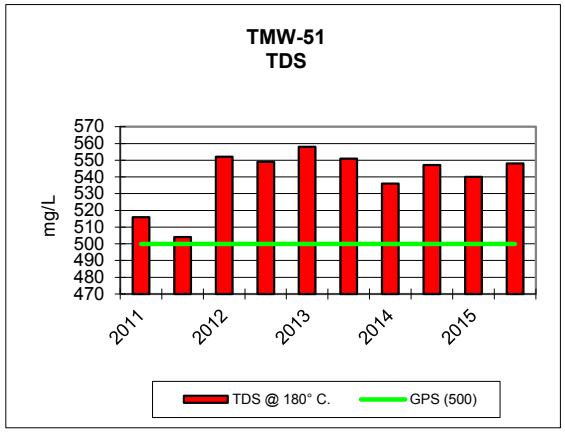

TMW-50
TDS
mg/L
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

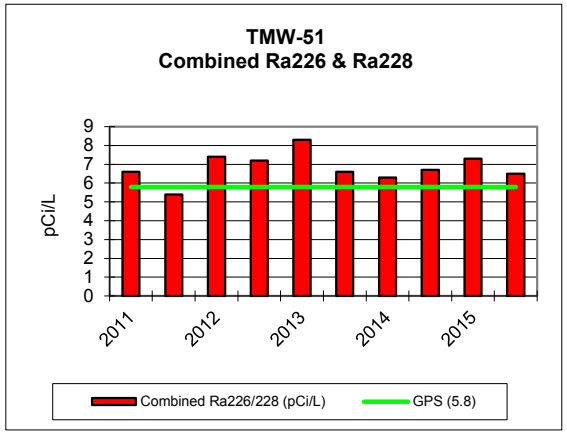

TMW-50
Combined Ra226 & Ra228
pCi/L
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)


TMW-50
Iron
mg/L
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

KENNECOTT URANIUM COMPANY											
TMW-51		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/8/2011	9/11/2011	2/16/2012	9/18/2012	3/4/2013	8/6/2013	2/18/2014	9/5/2014	3/17/2015	9/1/2015
TDS A/C Balance *(dec. %)*		-1.62	-2.16	1.38	-2.13	-1.46	2.44	0.68	1.45	1.17	2.1
Alk-CaC03		131	121	125	134	133	125	134	133	131	127
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		160	148	153	163	162	152	163	162	160	155
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		109	102	117	112	113	121	116	116	114	119
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		9	9	9	9	9	9	10	10	10	10
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		737	725	764	780	764	781	773	771	769	773
Cond-Field *(umhos/cm)*		750	761	833	807	833	804	807	811	1302	802
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	1.9	1.3	3.2	2.5	2.3	1.7	2.5	2.3	2.9	7.4
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.08	0.13	0.14
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		7.3	7.7	8.2	7.6	8	8.6	8.4	8.1	8.5	8.4
Manganese (Mn)	GPS (0.2)	0.07	0.07	0.08	0.08	0.07	0.08	0.08	0.07	0.08	0.07
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.87	7.93	7.84	7.83	7.84	7.82	7.75	7.81	7.82	7.6
pH (Field) *(Std. Units)*		7.5	7.6	7.7	7.45	7.7	7.6	8	7.6	7.7	7.63
Potassium (K)		3.3	3.3	3.5	3.1	3.1	3.5	3.3	3.1	3.3	3.2
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.6	5.4	7.4	7.2	8.3	6.6	6.3	6.7	7.3	6.5
Radium 226 *(pCi/L)*		1.5	1.7	1.8	2.2	1.7	1.5	2	2.7	1.8	1.6
Radium 228 *(pCi/L)*		5.1	3.7	5.6	5	6.6	5.1	4.3	4	5.5	4.9
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		17.7	18.1	17	15.3	15.5	15.6	16	14.9	17.7	15.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		37.6	38.4	39.3	37.5	39.1	43	41.4	39	41.5	41.5
TDS @ 180° *C.*	GPS (500)	516	504	552	549	558	551	536	547	540	548
Sulfate (SO4)		247	246	254	254	259	266	254	264	248	256
Temperature *(C)*		11.4	11.3	10.4	9.8	9.2	9.6	9.1	9.5	9.8	10.1
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Uranium, natural *(pCi/L)*	GPS (36)	1.7	1.8	1.9	2	1.8	2.5	1.9	2	1.8	2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

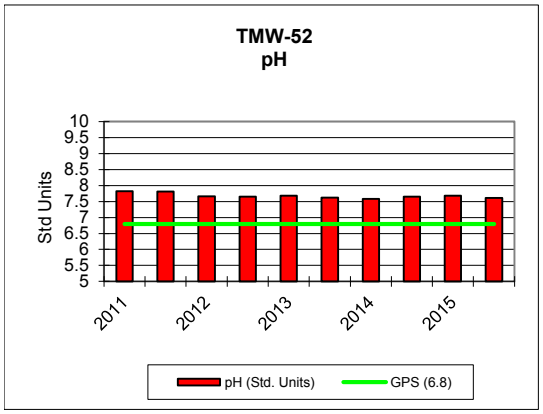

TMW-51
pH
Std Units
10
9
8
7
6
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

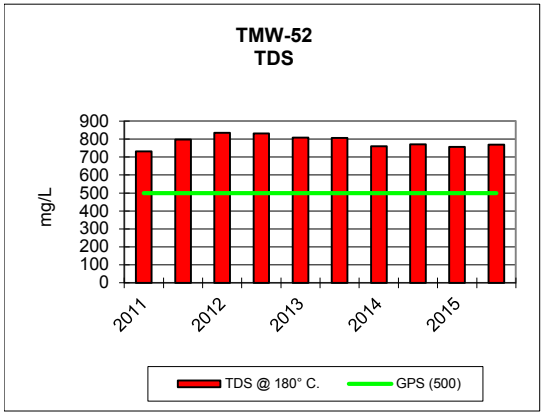

TMW-51
TDS
mg/L
570
560
550
540
530
520
510
500
490
480
470
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

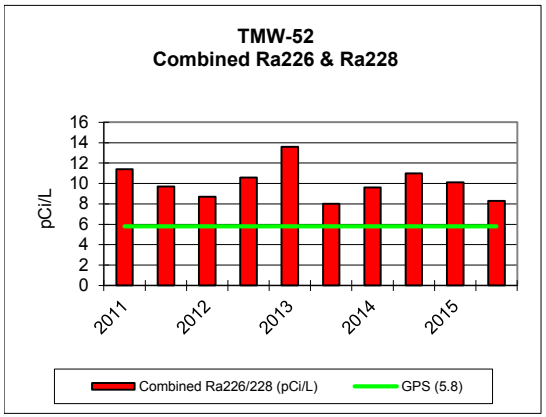

TMW-51
Combined Ra226 & Ra228
pCi/L
9
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

TMW-51

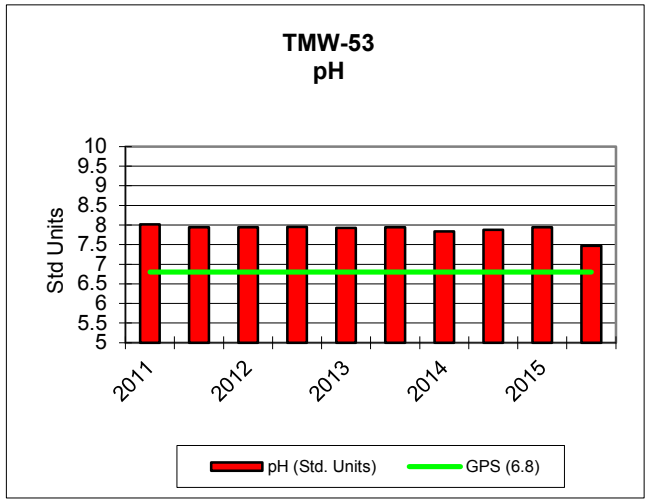
KENNECOTT URANIUM COMPANY											
TMW 52		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/8/2011	9/11/2011	2/16/2012	9/18/2012	3/4/2013	8/6/2013	2/18/2014	9/5/2014	3/17/2015	9/1/2015
TDS A/C Balance *(dec. %)*		-1.67	-2.3	-1.9	-4.31	1.86	3.12	0.35	2.03	0.52	1.9
Alk-CaC03		147	144	155	167	153	152	151	153	146	146
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		180	175	190	203	186	185	184	187	179	178
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		166	171	175	175	174	181	168	168	163	171
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		18	21	20	21	17	18	19	20	19	17
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1020	1070	1100	1110	1050	1070	1020	1030	1020	1030
Cond-Field *(umhos/cm)*		1056	1113	1182	1120	1100	1162	1066	1073	1828	1071
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	2.7	2.6	4.9	3.9	3.4	4.5	2.8	3.4	5.9	10.7
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	0.05	<0.05	0.06	0.16	0.16	0.28	0.26
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		10.2	11.3	11.1	10.6	11.2	11.7	11.2	10.7	10.7	11
Manganese (Mn)	GPS (0.2)	0.11	0.12	0.12	0.13	0.12	0.12	0.12	0.11	0.11	0.12
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.82	7.81	7.66	7.65	7.68	7.62	7.58	7.65	7.68	7.61
pH (Field) *(Std. Units)*		7.4	7.4	7.5	7.09	7.43	7.4	7.7	7.7	7.54	7.42
Potassium (K)		4.2	4.3	4.2	3.8	3.9	4.3	3.9	3.7	3.9	3.9
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	11.4	9.7	8.7	10.6	13.6	8	9.6	11	10.1	8.3
Radium 226 *(pCi/L)*		3.6	3	3.2	3.7	2.7	3.1	2.7	3.7	2.5	2.5
Radium 228 *(pCi/L)*		7.8	6.7	5.5	6.9	10.9	4.9	6.9	7.3	7.6	5.8
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		18.9	19.6	18.1	16.7	16.7	17.1	16.9	16.1	16.2	17.1
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		47.1	47.7	48.9	46	50.5	53.1	50.8	47.5	47.5	50.2
TDS @ 180° *C.*	GPS (500)	731	798	835	832	808	806	760	771	756	769
Sulfate (SO4)		394	420	417	423	380	389	384	397	376	378
Temperature *(C)*		10.8	10.9	10.6	11.1	11	13	9.2	9.4	9.5	9..4
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	0.2
Uranium, natural *(pCi/L)*	GPS (36)	3	3	2.4	2.5	2.5	2.6	2.6	2.3	2.5	2.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02

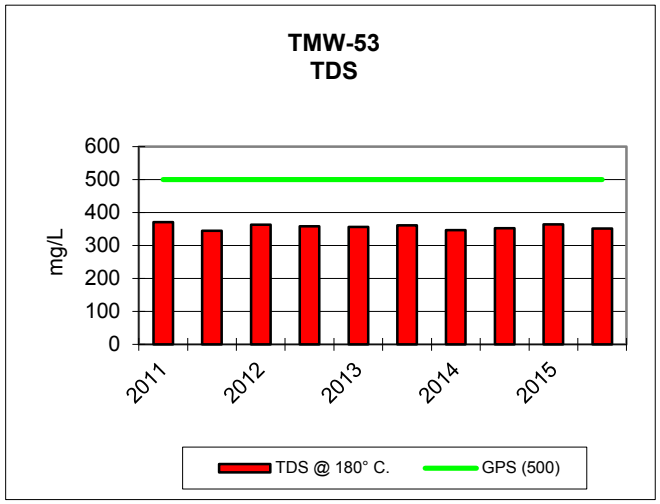

TMW-52
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-52
TDS
mg/L
900
800
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-52
Combined Ra226 & Ra228
pCi/L
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

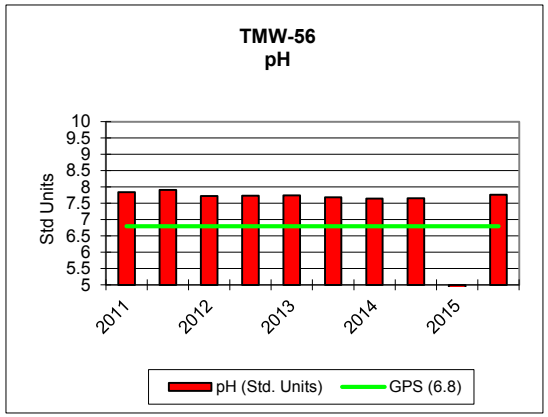
KENNECOTT URANIUM COMPANY											
TMW-53		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/14/2011	9/11/2011	2/16/2012	9/18/2012	2/19/2013	8/5/2013	2/17/2014	9/5/2014	3/17/2015	9/1/2015
TDS A/C Balance *(dec. %)*		-3.09	-1.4	-0.514	-3.55	0.264	1.95	0.89	0.79	1.81	2.51
Alk-CaC03		106	97	100	106	105	104	105	105	104	101
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		130	119	122	129	128	127	128	128	126	123
Boron (B)		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		67	65.9	67.2	64.6	67.7	68.9	67.7	67.1	69.6	69.1
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		6	6	6	6	5	5	6	6	6	
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		529	524	529	536	523	532	527	527	532	530
Cond-Field *(umhos/cm)*		574	565	592	554	582	631	575	556	959	549
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	ND
Gross Alpha *(pCi/L)*	GPS (15)	0.9	0.8	1.6	1.2	1.6	1.4	1.2	1.3	1.7	3.7
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		2.9	3	3	2.7	3.1	3.1	3.2	3	3.1	3.1
Manganese (Mn)	GPS (0.2)	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.03	0.04	0.03
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.02	7.94	7.94	7.95	7.93	7.94	7.84	7.88	7.94	7.47
pH (Field) *(Std. Units)*		7.5	7.3	7.8	7.52	7.9	7.3	8.2	8	7.93	7.98
Potassium (K)		2.4	2.4	2.6	2.4	2.3	2.6	2.5	2.4	2.5	2.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	4.9	2.6	2.93	4.1	3.62	2.42	4.29	4.2	4.6	3.11
Radium 226 *(pCi/L)*		1.5	1.1	0.93	1.3	0.92	0.82	0.89	1.2	1.2	0.91
Radium 228 *(pCi/L)*		3.4	1.5	2	2.8	2.7	1.6	3.4	3	3.4	2.2
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		17	18	16.8	14.9	15.2	15.6	15.6	14.5	15.6	15.5
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		36.4	38.1	38.4	36.1	37.9	40.9	41	38.5	40.7	40.8
TDS @ 180° *C.*	GPS (500)	371	345	363	359	357	361	347	353	364	352
Sulfate (SO4)		156	157	154	152	147	148	150	151	150	149
Temperature *(C)*		10.4	10.7	10.5	11.9	8.8	13.2	9.4	9.2	10.2	9.2
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	0.5	1.1	0.4	0.5	0.3	0.3	0.3	0.8	0.3	0.6
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02

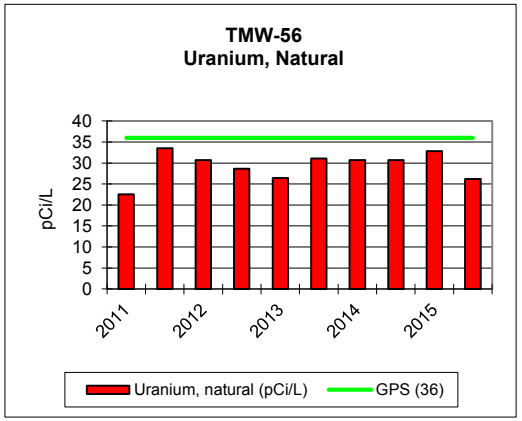

TMW-53
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

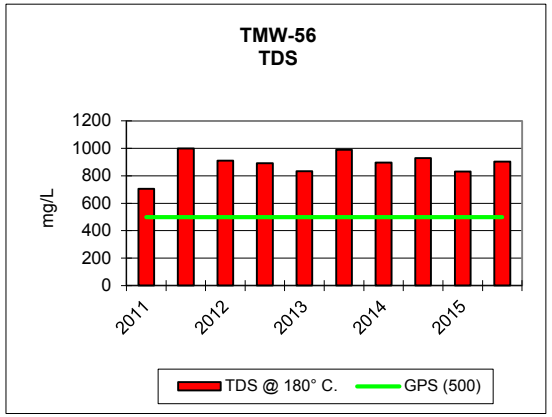

TMW-53
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

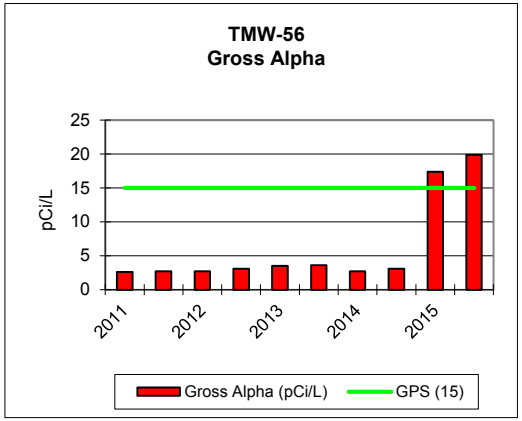
KENNECOTT URANIUM COMPANY		
TMW-55		2015
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	8/4/2015
TDS A/C Balance *(dec. %)*		1.2
Alk-CaC03		223
Aluminum (Al)	GPS (1.8)	<0.1
Arsenic (As)	GPS (.05)	<0.001
Barium (Ba)		<0.1
Beryllium (Be)	GPS (.01)	<0.01
Bicarbonate (HCO3)		272
Boron (B)		<0.1
Cadmium (Cd)	GPS (.01)	<0.005
Calcium (Ca)		760
Carbonate (CO3)		<1
Chloride (Cl)		248
Chromium (Cr)	GPS (.05)	<0.01
Cobalt (Co)		0.002
Cond *(umhos/cm)*		3660
Cond-Field *(umhos/cm)*		
Copper (Cu)		<0.01
Cyanide (CN)		<0.005
Fluoride (F)		
Gross Alpha *(pCi/L)*	GPS (15)	2.6
Iron (Fe)	GPS (0.6)	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.6
Lead (Pb)		<0.01
Magnesium (Mg)		57.4
Manganese (Mn)	GPS (0.2)	<0.01
Mercury (Hg)		<0.002
Molybdenum (Mo)		<0.01
Nickel (Ni)	GPS (.01)	0.02
Nitrogen, Nitrate+Nitrite as N		6.7
pH *(Std. Units)*	GPS (6.8)	7.46
pH (Field) *(Std. Units)*		
Potassium (K)		8.7
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	3.5
Radium 226 *(pCi/L)*		1.8
Radium 228 *(pCi/L)*		1.7
Selenium (Se)	GPS (.01)	0.297
Silica (SiO2)		6.9
Silver (Ag)		<0.01
Sodium (Na)		161
TDS @ 180° *C.*	GPS (500)	3300
Sulfate (SO4)		1760
Temperature *(C)*		
Thallium (Tl)	GPS (7.0)	<0.01
Thorium 230 *(pCi/L:)*		0.02
Uranium, natural *(pCi/L)*	GPS (36)	1150
Vanadium (V205)		<0.1
Zinc (ZN)		0.27

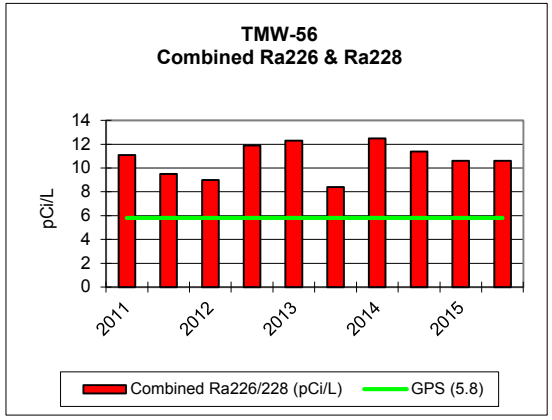
KENNECOTT URANIUM COMPANY											
TMW-56		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/8/2011	9/11/2011	2/20/2012	9/18/2012	3/5/2013	8/5/2013	2/18/2014	9/19/2014	3/23/2015	9/2/2015
TDS A/C Balance *(dec. %)*		-0.999	-4	0.0678	-1.24	-1.56	2.11	0.87	2.64	1.57	1.36
Alk-CaC03		99	91	92	99	96	92	98	97	96	95
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.012	0.014	0.016	0.015	0.014	0.015	0.014	0.017	0.017	0.014
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		121	111	113	120	117	112	119	118	118	115
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		151	197	192	181	167	210	184	193	199	196
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		23	41	31	29	25	38	29	39	32	34
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	0.002	0.003	0.002	0.001	0.002	0.001	0.002	0.002	0.001
Cond *(umhos/cm)*		978	1260	1170	1180	1080	1270	1170	1200	1200	1190
Cond-Field *(umhos/cm)*		991	1320	1209	1190	1153	1401	1208	1231	2080	1242
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	ND	ND
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	ND
Gross Alpha *(pCi/L)*	GPS (15)	2.6	2.7	2.7	3.1	3.5	3.6	2.7	3.1	17.4	19.9
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.1	0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	0.4	0.8
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND
Magnesium (Mg)		11.4	16.5	14.8	13.5	13.3	16.6	15	15.2	15.6	15.8
Manganese (Mn)	GPS (0.2)	0.07	0.11	0.1	0.09	0.09	0.11	0.11	0.1	0.12	0.1
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	ND	ND
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND
Nickel (Ni)	GPS (.01)	<0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	ND	ND
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	ND
pH *(Std. Units)*	GPS (6.8)	7.84	7.91	7.72	7.73	7.74	7.68	7.64	7.65		7.76
pH (Field) *(Std. Units)*		7.5	7.5	7.4	7.28	7.09	7	7.9	7.8	7.59	7.42
Potassium (K)		4	4.9	4.4	4.1	3.6	4.5	4.2	4.4	4.6	4.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	11.1	9.5	9	11.9	12.3	8.4	12.5	11.4	10.6	10.6
Radium 226 *(pCi/L)*		4	3.1	3.2	3.8	3.2	2.8	3.5	3	4	2.3
Radium 228 *(pCi/L)*		7.1	6.4	5.8	8.1	9.1	5.6	9	8.4	6.6	8.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND
Silica (SiO2)		11.7	11.3	10.8	9.7	9.8	10.6	10.1	10	10	10.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND
Sodium (Na)		44.2	52	48.5	46.3	45.4	56	51.3	51.2	53.4	54.6
TDS @ 180° *C.*	GPS (500)	706	1000	911	891	834	990	897	929	831	904
Sulfate (SO4)		388	564	494	470	443	522	490	524	500	498
Temperature *(C)*		11.1	12.2	9.8	12.4	9.8	13.8	9.1	9.7	9.3	10
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.05	0.1
Uranium, natural *(pCi/L)*	GPS (36)	22.5	33.5	30.7	28.6	26.4	31.1	30.7	30.7	32.8	26.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND	ND
Zinc (ZN)		0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND	ND

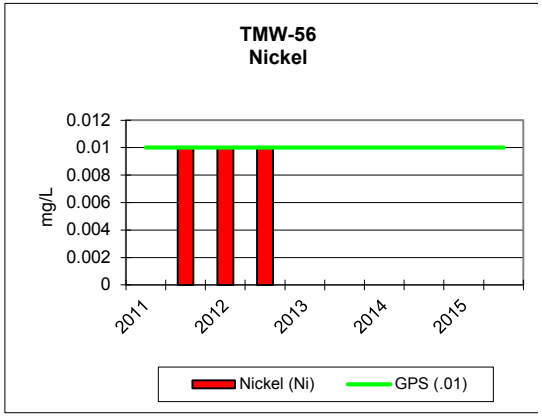

TMW-56
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-56
Uranium, Natural
pCi/L
40
35
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)


TMW-56
TDS
mg/L
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

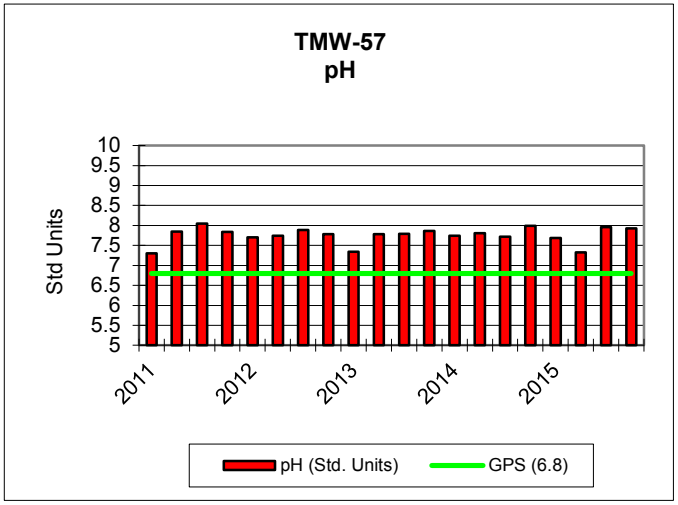

TMW-56
Gross Alpha
pCi/L
25
20
15
10
5
0
2011
2012
2013
2014
2015
Gross Alpha (pCi/L)
GPS (15)

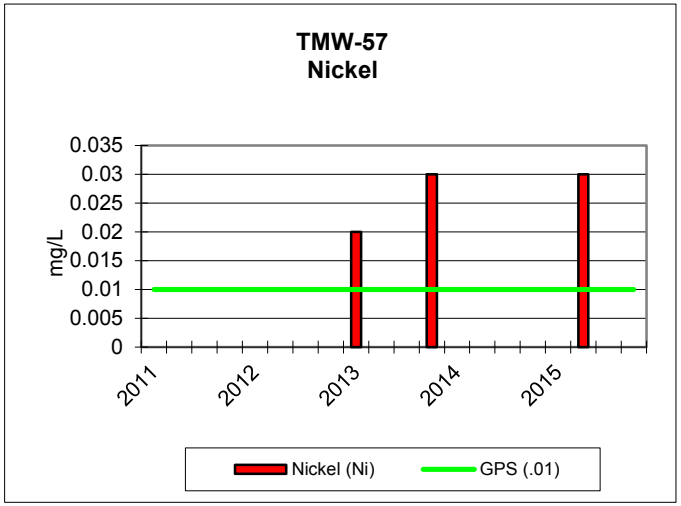

TMW-56
Combined Ra226 & Ra228
pCi/L
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

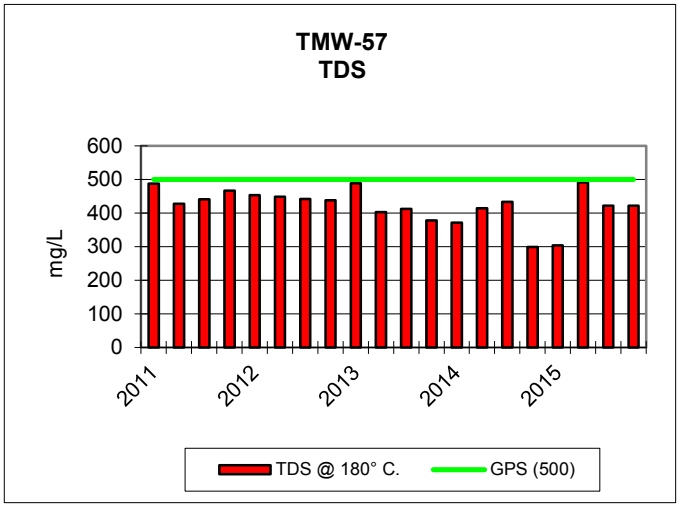

TMW-56
Nickel
mg/L
0.012
0.01
0.008
0.006
0.004
0.002
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

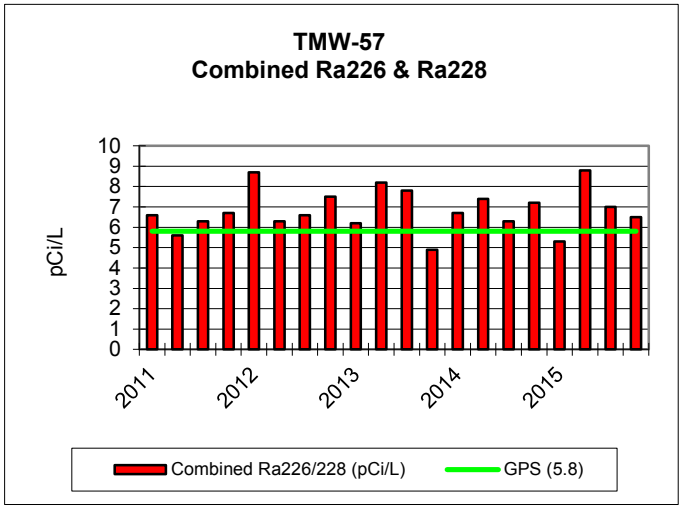
KENNECOTT URANIUM COMPANY																
TMW-57		2011				2012				2013				2014		
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/14/2011	4/18/2011	7/11/2011	10/17/2011	1/4/2012	4/10/2012	7/10/2012	10/22/2012	1/22/2013	4/2/2013	7/9/2013	10/1/2013	3/18/2014	4/1/2014	7/1/2014
TDS A/C Balance *(dec. %)*		-0.821	-1.92	-2.32	0.775	0.844	-1.63	2.12	4.69	2.85	-2.89	1.77	-1.47	0.55	1.42	1.51
Alk-CaC03		97	105	106	97	96	104	101	106	100	105	105	122	105	105	114
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		119	128	129	118	117	126	123	129	122	128	128	149	128	128	139
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		105	86.5	86.9	97.1	92.1	88.6	90.5	99.7	106	79.3	88.4	77.3	74.3	86.1	87.8
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		6	8	9	9	9	9	8	8	7	8	7	7	7	8	8
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.008	0.002	0.002	0.003	0.001	0.002	0.002	0.002	0.016	<0.001	0.001	0.001	0.001	0.001	0.001
Cond *(umhos/cm)*		701	616	634	660	674	647	644	630	694	603	623	548	571	612	627
Cond-Field *(umhos/cm)*		833	693	758	701	720	718	677	661	744	694	743	593	676	688	666
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	<0.1	0.2	0.2	0.1
Gross Alpha *(pCi/L)*	GPS (15)	1.7	2.1	1.8	2.1	1.7	1.3	1.5	2	2.2	2.2	1.6	1.5	2.1	2.5	1.8
Iron (Fe)	GPS (0.6)	2.21	<0.05	<0.05	<0.05	0.13	0.1	0.15	<0.05	1.4	0.1	0.09	0.08	0.13	0.06	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	2.1	1.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		7.7	5.7	6.2	7	6.7	6.1	6.4	6.9	11.1	5.6	6.3	5	5.4	6.3	6.2
Manganese (Mn)	GPS (0.2)	0.13	0.07	0.07	0.08	0.07	0.07	0.07	0.08	0.26	0.06	0.07	0.07	0.06	0.07	0.07
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.03	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.3	7.85	8.05	7.84	7.7	7.74	7.89	7.78	7.34	7.78	7.79	7.86	7.74	7.81	7.72
pH (Field) *(Std. Units)*		6.9	7.5	7.7	7.5	7.96	7.4	7.8	7.61	7.13	7.9	7.8	7.76	7.5	8.1	8
Potassium (K)		3.2	2.9	2.8	3.2	2.8	2.7	3	3	3	2.7	3.2	2.7	2.7	2.9	3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.6	5.6	6.3	6.7	8.7	6.3	6.6	7.5	6.2	8.2	7.8	4.9	6.7	7.4	6.3
Radium 226 *(pCi/L)*		2.4	1.6	1.5	1.2	1.9	1.2	1.4	1.7	1.8	1.9	2	1.2	1.9	1.9	1.4
Radium 228 *(pCi/L)*		4.2	4	4.8	5.5	6.8	5.1	5.2	5.8	4.4	6.3	5.8	3.7	4.8	5.5	4.9
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.3	15.3	14.8	15.6	13	13.6	14.5	14.8	17.7	14.1	14.4	13.9	13.3	14.2	13.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		34.6	34.7	34.5	37.2	35.4	34.5	35.1	36.1	33.7	34.3	37.2	34.9	34.1	36.4	36.2
TDS @ 180° *C.*	GPS (500)	488	428	441	467	454	449	442	438	489	403	413	378	372	415	434
Sulfate (SO4)		262	206	209	231	215	211	198	201	246	193	196	163	161	191	204
Temperature *(C)*		9.3	10	13.2	10.4	8.7	11.9	11.8	11	8.1	9.3	13.7	13.8	9.6	9.4	10.3
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	10.2	3.5	3.4	3.8	3.7	3.7	3.4	4	3.3	3.3	3.7	3.6	4.2	4.8	4.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY						
TMW-57			2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	10/15/2014	1/14/2015	4/8/2015	7/13/2015	10/26/2015
TDS A/C Balance *(dec. %)*		0.75	0.42	0.68	0.21	0.46
Alk-CaC03		101	102	92	108	107
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		124	124	112	132	130
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		56.4	60.4	95.3	89	83.5
Carbonate (CO3)		<1	<1	<1	<1	<1
Chloride (Cl)		5	5	9	8	8
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.002	0.002	0.018	0.001	<0.001
Cond *(umhos/cm)*		445	480	665	624	597
Cond-Field *(umhos/cm)*		481	521		659	672
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.2	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	2	4.9	8.7	5.4	9.8
Iron (Fe)	GPS (0.6)	0.13	0.23	1.19	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	0	-0.2	0.3	0.8
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		3.4	4.1	10.7	5.9	6
Manganese (Mn)	GPS (0.2)	0.05	0.07	0.28	0.07	0.06
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	0.03	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.99	7.69	7.33	7.96	7.93
pH (Field) *(Std. Units)*		7.92	8.24	7.21	7.79	7.46
Potassium (K)		2.4	2.6	2.9	2.9	3.1
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	7.2	5.3	8.8	7	6.5
Radium 226 *(pCi/L)*		1.2	1.6	2.5	1.9	1.5
Radium 228 *(pCi/L)*		6	3.7	6.3	5.1	5
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.7	14.6	16.5	14.5	14
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		31.5	31.9	34.8	36.1	36.6
TDS @ 180° *C.*	GPS (500)	299	304	492	422	422
Sulfate (SO4)		116	127	241	200	
Temperature *(C)*		12	7.8	9.7	10.8	9.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	0.06	-0.02	0.03	0.1
Uranium, natural *(pCi/L)*	GPS (36)	2.8	2.2	1.9	3.8	3.7
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	0.01	<0.01	<0.01


TMW-57
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

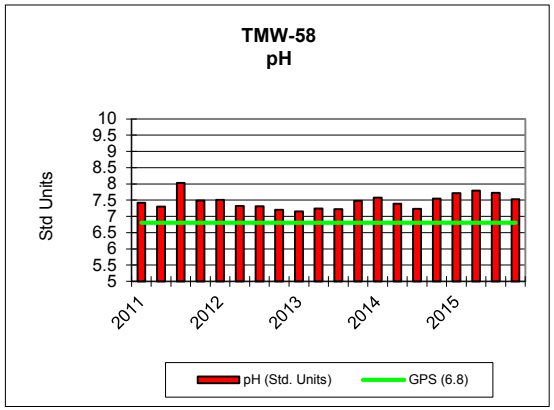

TMW-57
Nickel
mg/L
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

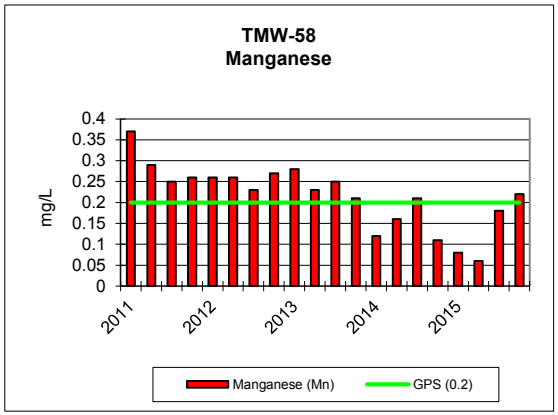

TMW-57
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

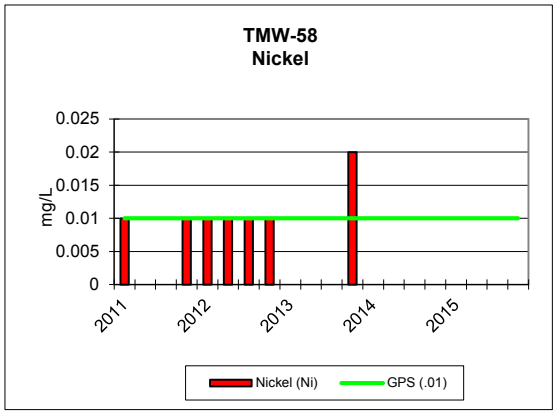

TMW-57
Combined Ra226 & Ra228
pCi/L
10
9
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

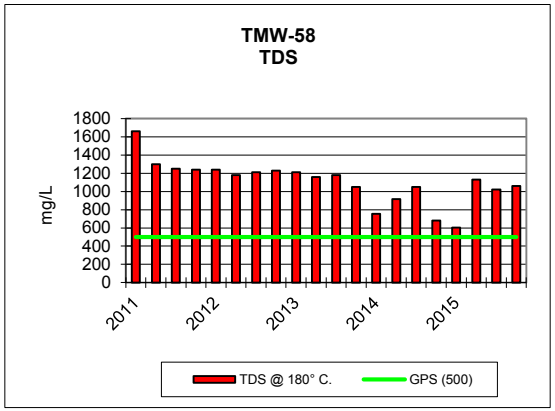
KENNECOTT URANIUM COMPANY																	
TMW-58		2011				2012				2013				2014			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/14/2011	4/12/2011	7/11/2011	10/17/2011	1/4/2012	4/23/2012	7/10/2012	10/22/2012	1/14/2013	4/2/2013	7/9/2013	10/1/2013	3/12/2014	4/1/2014	7/1/2014	10/15/2014
TDS A/C Balance *(dec. %)*		-1.91	0.0013	-2.42	1.85	-0.417	-2.66	1.25	4	4.36	-3.76	1.51	-4.7	0.07	1.94	0.47	2.42
Alk-CaC03		155	193	196	188	188	189	193	207	204	204	193	175	116	149	171	131
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		190	235	239	229	229	231	235	253	248	248	236	214	142	182	209	160
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		368	292	273	299	276	251	264	298	302	254	268	216	156	198	228	143
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		98	49	47	44	43	41	38	42	41	42	38	33	22	28	32	20
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.006	0.003	0.003	0.007	0.002	0.001	0.001	0.002	<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		2000	1610	1540	1540	1640	1450	1520	1500	1460	1480	1220	1320	1010	1190	1340	926
Cond-Field *(umhos/cm)*		2130	1625	1572	1646	1644	1566	1556	1531	1553	1590	1545	1395	1079	1292	1358	990
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	<0.1	0.1	0.1	0.1	0.1	0.1	0.1	<0.1	<0.1	0.1	0.1	<0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.6	3.9	3.5	4.7	4.3	4.2	3.7	5.9	3.5	5.3	3.6	6.5	4.3	5.9	4.2	5.5
Iron (Fe)	GPS (0.6)	<0.05	0.11	0.13	0.75	0.83	0.3	0.75	0.65	0.8	0.79	0.8	0.13	0.23	<0.05	0.52	0.44
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		34.6	23.3	20.9	21.7	21.7	20.4	20.6	22.6	23	19.7	20.8	15.2	12.5	15.8	17.6	10
Manganese (Mn)	GPS (0.2)	0.37	0.29	0.25	0.26	0.26	0.26	0.23	0.27	0.28	0.23	0.25	0.21	0.12	0.16	0.21	0.11
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.01	<0.01	<0.01	0.01	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.42	7.3	8.03	7.49	7.51	7.32	7.31	7.2	7.15	7.24	7.22	7.48	7.58	7.39	7.23	7.55
pH (Field) *(Std. Units)*		7	7.1	7.1	7	6.83	6.9	7.1	7.1	7.58	7	7	7.57	7.4	7.4	7.6	7.11
Potassium (K)		5.6	5.1	4.6	5.2	4.3	4.4	4.6	4.8	4.9	4.3	4.8	3.8	3.6	4.1	4.3	3.4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	15.8	14.3	14	14.7	16.7	14.5	13	15	12.1	15.3	18.7	14.9	11.4	12.9	11.3	17.1
Radium 226 *(pCi/L)*		3.9	4.6	3	3.2	4.6	3.5	3.8	4	3.7	2.8	3.4	3.6	3.1	4.3	2.6	3.7
Radium 228 *(pCi/L)*		11.9	9.7	11	11.5	12.1	11	9.2	11	8.4	12.5	15.3	11.3	8.3	8.6	8.7	13.4
Selenium (Se)	GPS (.01)	0.006	0.01	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Silica (SiO2)		10	17	17.2	17.4	15.1	14.1	15.8	17.1	18	16	16.2	14.7	12.9	14.7	15.1	13.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		68.4	66.8	59	62.3	60.3	59.8	56.1	63.9	63.9	58.9	63.3	48.6	47.5	54	56.9	45.5
TDS @ 180° *C.*	GPS (500)	1660	1300	1250	1240	1240	1180	1210	1230	1210	1160	1180	1050	754	917	1050	680
Sulfate (SO4)		932	685	657	666	646	618	579	614	625	626	598	538	387	449	540	351
Temperature *(C)*		9	12.2	13.4	10.4	9.7	11.1	11.2	10.5	7.7	9.5	13.2	13.8	10.2	10.3	10.5	11.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	86.6	21.9	12.2	11.1	10.1	9.5	9.2	10.6	9.6	10.5	10.2	10	11.2	11	10	6.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.02	<0.01

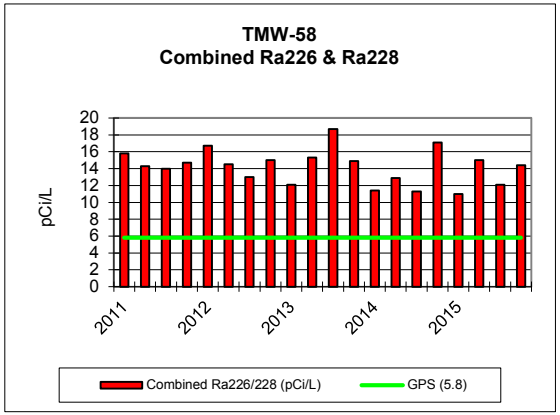
KENNECOTT URANIUM COMPANY					
TMW-58		2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/14/2015	4/8/2015	7/13/2015	11/3/2015
TDS A/C Balance *(dec. %)*		2.83	0.74	2.13	0.52
Alk-CaC03		110	115	167	176
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		135	140	204	215
Boron (B)		<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		123	243	217	245
Carbonate (CO3)		<1	<1	<1	<1
Chloride (Cl)		18	48	34	36
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		880	1400	1310	1390
Cond-Field *(umhos/cm)*		885		1360	1268
Copper (Cu)		<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	<0.1	<0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	37.4	61.5	13.9	8.2
Iron (Fe)	GPS (0.6)	0.18	0.16	0.48	0.5
Lead (Pb210) *(pCi/L)*	GPS (8.9)	0.2	0.06	-0.6	0.4
Lead (Pb)		<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		8.8	25.7	17.2	18.3
Manganese (Mn)	GPS (0.2)	0.08	0.06	0.18	0.22
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.72	7.79	7.73	7.53
pH (Field) *(Std. Units)*		8.43	7.25	7.18	6.95
Potassium (K)		3.4	5.2	4.2	4.2
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	11	15	12.1	14.4
Radium 226 *(pCi/L)*		4.8	5.7	2.9	3.1
Radium 228 *(pCi/L)*		6.2	9.3	9.2	11.3
Selenium (Se)	GPS (.01)	<0.001	0.015	<0.001	<0.001
Silica (SiO2)		12.7	9.3	15.6	14.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01
Sodium (Na)		43	56.8	57.1	57.3
TDS @ 180° *C.*	GPS (500)	603	1130	1020	1060
Sulfate (SO4)		318	646	537	559
Temperature *(C)*		7.4	10.8	12.4	10.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.1	0.07	0.1	0.1
Uranium, natural *(pCi/L)*	GPS (36)	7.6	62.8	9.9	9.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01

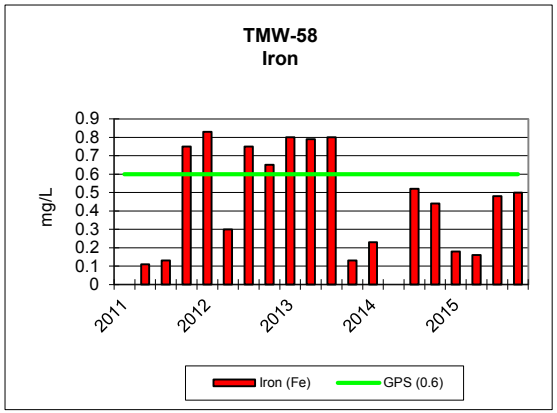

TMW-58
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

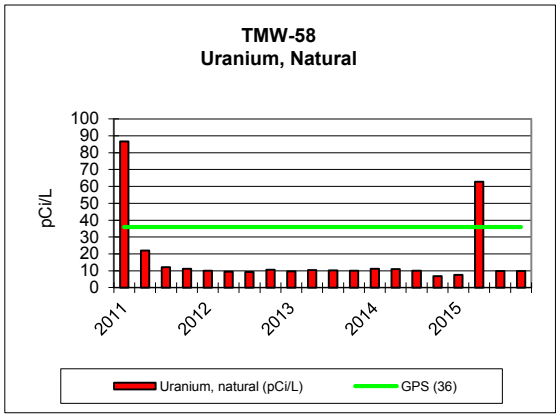

TMW-58
Manganese
mg/L
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)


TMW-58
Nickel
mg/L
0.025
0.02
0.015
0.01
0.005
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)


TMW-58
TDS
mg/L
1800
1600
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

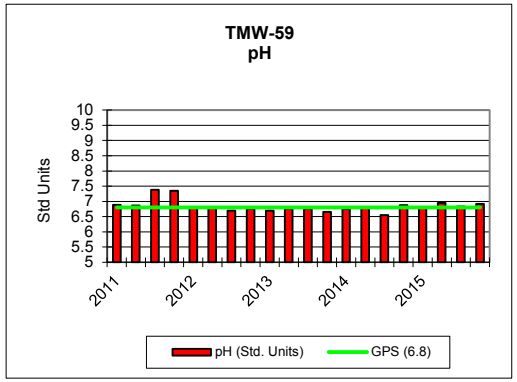

TMW-58
Combined Ra226 & Ra228
pCi/L
20
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

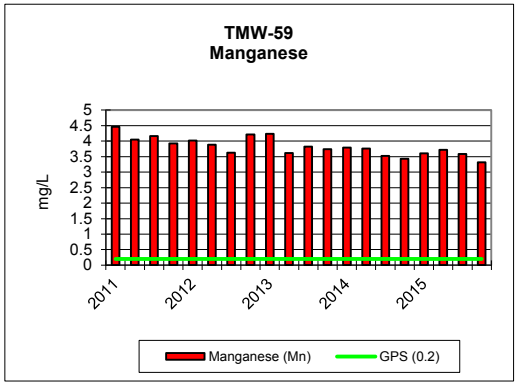

TMW-58
Iron
mg/L
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

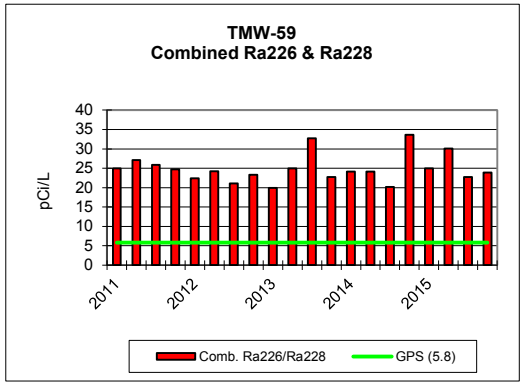

TMW-58
Uranium, Natural
pCi/L
100
90
80
70
60
50
40
30
20
10
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

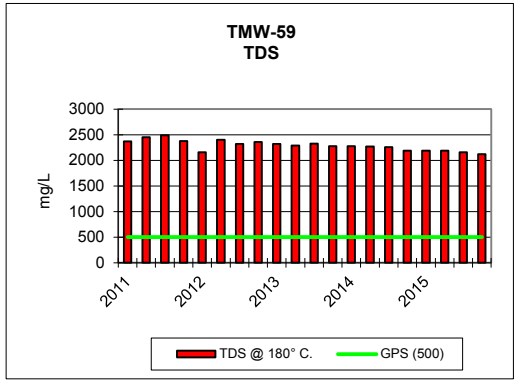
KENNECOTT URANIUM COMPANY																	
TMW-59		2011				2012				2013				2014			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/1/2011	4/5/2011	7/12/2011	10/17/2011	1/4/2012	4/10/2012	7/10/2012	10/22/2012	1/14/2013	4/2/2013	7/9/2013	10/1/2013	1/21/2014	4/1/2014	7/1/2014	10/15/2014
TDS A/C Balance *(dec. %)*		-1.59	-0.473	-2.09	-4.54	-4.23	-3.96	-3.34	-1.75	-1.17	-4.59	-1.35	-3.49	-1.89	4.62	1.29	2.74
Alk-CaC03		263	262	262	265	266	270	244	286	282	286	250	269	270	277	253	255
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		320	319	319	323	325	329	297	349	343	349	305	329	330	338	309	311
Boron (B)		<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		494	497	493	472	446	448	442	488	481	459	456	442	449	448	488	452
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		84	83	82	83	78	78	77	82	79	84	77	77	78	79	75	71
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.01	0.008	0.012	0.016	0.008	0.008	0.007	0.008	0.008	0.007	0.006	0.007	0.006	0.007	0.006	0.009
Cond *(umhos/cm)*		2660	2700	2720	2640	2750	2680	2630	2700	2590	2590	2610	2490	2580	2650	2530	2490
Cond-Field *(umhos/cm)*		2900	2910	2890	2940	278	2900	2830	2790	2920	2910	2890	2780	2890	2870	2700	2690
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	4.1	4.8	3.9	4.7	3.9	3.9	3.8	4.9	3.6	5.7	4.9	6.9	7.1	8.3	7.1	6.3
Iron (Fe)	GPS (0.6)	53.9	53.5	50	47.2	49.9	44.9	43.9	47.2	47.3	44.4	46.6	41.5	43.5	40.4	40.9	39.5
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.9	0.7	0.3	0.6
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		69.1	72.3	66	64.6	64.1	62.7	63.9	66.9	69.6	65.1	65.3	53.9	64.6	57	63.3	61.4
Manganese (Mn)	GPS (0.2)	4.46	4.05	4.16	3.93	4.02	3.88	3.63	4.21	4.23	3.62	3.82	3.74	3.79	3.76	3.52	3.43
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	0.01	<0.01	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	6.89	6.87	7.38	7.35	6.81	6.78	6.7	6.76	6.7	6.76	6.76	6.66	6.75	6.78	6.55	6.88
pH (Field) *(Std. Units)*		6.7	6.7	6.7	6.7	6.84	6.7	6.7	6.69	6.77	6.6	6.6	6.88	6.8	6.9	6.8	7.26
Potassium (K)		7.9	7.8	7.3	7.3	6.6	6.9	8.4	7.4	7.5	7.2	7.7	6.8	7.3	7.1	7.2	6.7
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	25	27.1	25.9	24.7	22.4	24.2	21.1	23.3	19.9	25	32.7	22.7	24.1	24.1	20.2	33.6
Radium 226 *(pCi/L)*		4	3.9	3.7	3.4	4.2	4.2	3.9	3.9	4.4	4.6	3.8	3.9	3.7	4.7	3.6	4.3
Radium 228 *(pCi/L)*		21	23.2	22.2	21.3	18.2	20	17.2	19.4	15.5	20.4	28.9	18.8	20.4	19.4	16.6	29.3
Selenium (Se)	GPS (.01)	0.002	0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		19.5	22	19.9	20.4	16.6	18.3	17.4	18.6	18.7	17.8	18.6	17.8	18.5	20.1	17.7	17.7
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		103	105	91.7	92.7	90.2	92.6	83.3	95.6	97.4	97	99	82	96.7	83.7	95.9	91.9
TDS @ 180° *C.*	GPS (500)	2370	2450	2490	2380	2160	2400	2320	2360	2320	2290	2330	2280	2280	2270	2260	2190
Sulfate (SO4)		1370	1360	1350	1370	1290	1280	1260	1310	1300	1330	1270	1190	1240	1250	1240	1100
Temperature *(C)*		10.2	9.7	14.1	10.4	11	11.9	11.8	10.6	6.5	10.7	14	11.1	9.3	9.3	10.4	10.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.08	0.05	0.07	0.09
Uranium, natural *(pCi/L)*	GPS (36)	7.4	7.8	7	6.5	6.8	6.4	6.8	7.2	6.3	7	7	7.8	7.7	8.5	8	7.7
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.04	0.02	<0.01

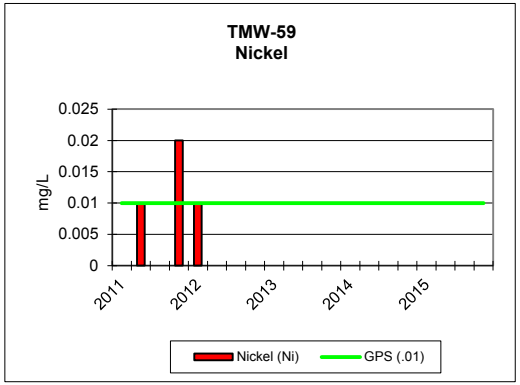
KENNECOTT URANIUM COMPANY					
TMW-59		2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/14/2015	4/8/2015	7/8/2015	11/2/2015
TDS A/C Balance *(dec. %)*		2.06	1.04	0.9	0.07
Alk-CaC03		251	254	273	276
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	0.002	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		306	310	333	336
Boron (B)		<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		441	454	442	440
Carbonate (CO3)		<1	<1	<1	<1
Chloride (Cl)		79	85	73	73
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.006	0.005	0.006	0.005
Cond *(umhos/cm)*		2570	2440	2410	2480
Cond-Field *(umhos/cm)*		2600		2680	2700
Copper (Cu)		<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	50.4	47	27.7	12
Iron (Fe)	GPS (0.6)	42.5	42.7	36.1	39
Lead (Pb210) *(pCi/L)*	GPS (8.9)	-0.3	-0.2	-0.08	0.5
Lead (Pb)		<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		63.1	64.2	58.4	60
Manganese (Mn)	GPS (0.2)	3.61	3.72	3.58	3.32
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	6.79	6.95	6.83	6.92
pH (Field) *(Std. Units)*		7.17	6.81	6.64	6.52
Potassium (K)		7.2	7.3	8.2	7.2
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	25	30.1	22.7	23.9
Radium 226 *(pCi/L)*		6.7	5.7	6.5	3.5
Radium 228 *(pCi/L)*		18.3	24.4	16.2	20.4
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		18.2	18.1	19.3	17.5
Silver (Ag)		<0.01	<0.01	<0.01	<0.01
Sodium (Na)		95.3	96.5	84.7	93.3
TDS @ 180° *C.*	GPS (500)	2190	2190	2160	2120
Sulfate (SO4)		1230	1230	1140	1130
Temperature *(C)*		8	9.9	12.1	11.2
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.1	0.2	0.2	0.2
Uranium, natural *(pCi/L)*	GPS (36)	8.3	7.3	8.5	8.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01

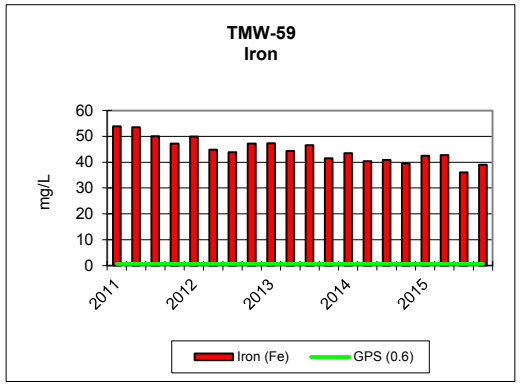

TMW-59
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

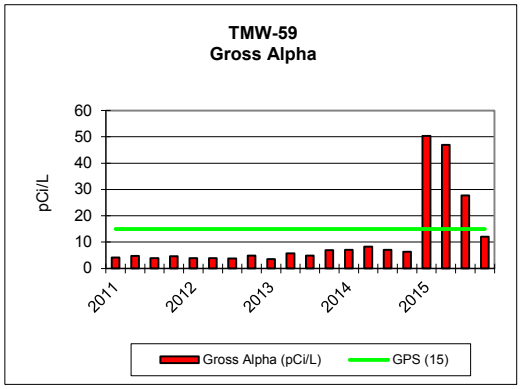

TMW-59
Manganese
mg/L
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)


TMW-59
Combined Ra226 & Ra228
pCi/L
40
35
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Comb. Ra226/Ra228
GPS (5.8)

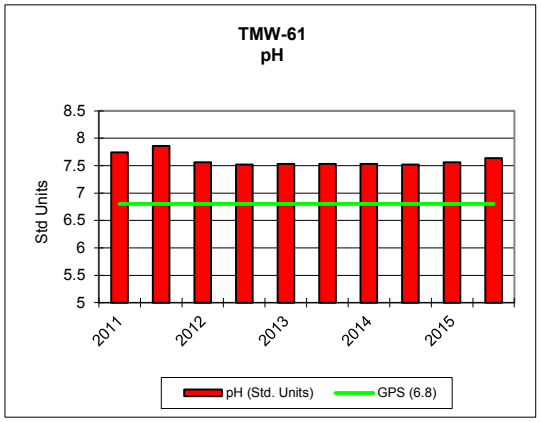

TMW-59
TDS
mg/L
3000
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

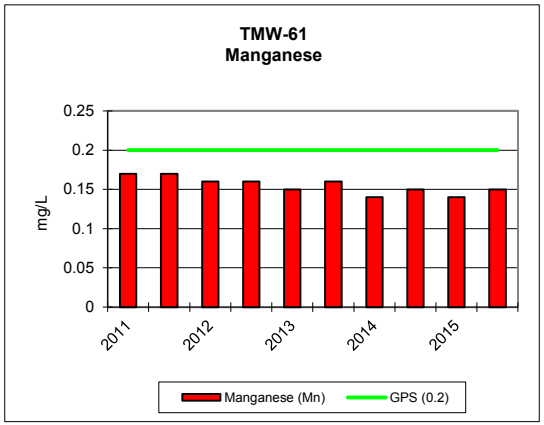

TMW-59
Nickel
mg/L
0.025
0.02
0.015
0.01
0.005
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

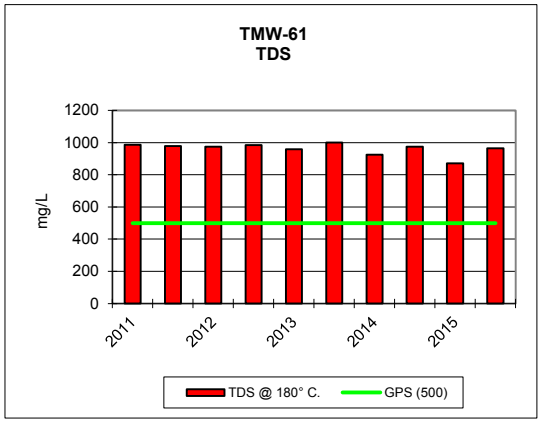

TMW-59
Iron
mg/L
60
50
40
30
20
10
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

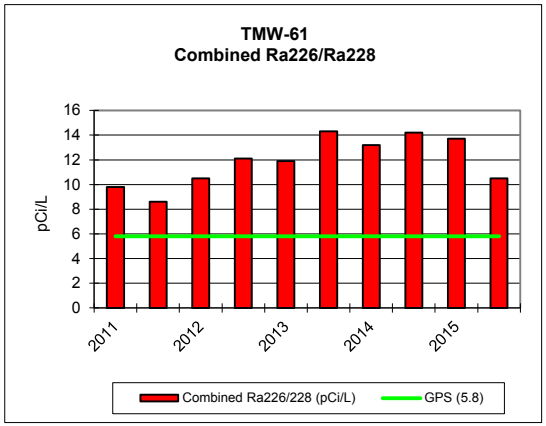

TMW-59
Gross Alpha
pCi/L
60
50
40
30
20
10
0
2011
2012
2013
2014
2015
Gross Alpha (pCi/L)
GPS (15)

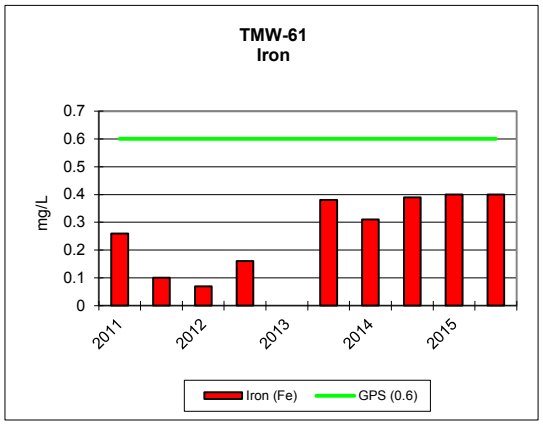
KENNECOTT URANIUM COMPANY											
TMW-61		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/1/2011	9/11/2011	2/16/2012	9/17/2012	3/4/2013	8/6/2013	2/11/2014	9/5/2014	3/17/2015	9/2/2015
TDS A/C Balance *(dec. %)*		-0.554	-3.39	1.31	-2.86	2.57	1.46	1.77	1.98	0.43	1.1
Alk-CaC03		180	163	161	171	167	167	165	169	157	161
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		220	199	197	209	204	204	202	206	191	197
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		228	206	219	208	209	224	196	216	192	218
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		25	25	23	25	21	25	24	29	25	27
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1260	1250	1240	1280	1220	1280	1200	1250	1150	1250
Cond-Field *(umhos/cm)*		1279	1324	1336	1288	1221	1280	1220	1289	2070	1295
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	5	3.1	4.5	4.1	3.5	4	5	4.2	6.8	16.1
Iron (Fe)	GPS (0.6)	0.26	0.1	0.07	0.16	<0.05	0.38	0.31	0.39	0.4	0.4
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		12.9	12.3	12.5	11.8	12.2	13.2	11.4	12.5	11.3	12.8
Manganese (Mn)	GPS (0.2)	0.17	0.17	0.16	0.16	0.15	0.16	0.14	0.15	0.14	0.15
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.74	7.86	7.56	7.52	7.53	7.53	7.53	7.52	7.56	7.64
pH (Field) *(Std. Units)*		7.3	7.3	7.4	7.12	7.2	7.23	7	7.3	7.41	7.14
Potassium (K)		4.7	4.6	4.7	4.2	4.2	4.6	3.8	4.2	4.1	4.4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	9.8	8.6	10.5	12.1	11.9	14.3	13.2	14.2	13.7	10.5
Radium 226 *(pCi/L)*		3.6	3.1	3.1	3.8	3.3	3.8	3.1	4.7	3.9	3.3
Radium 228 *(pCi/L)*		6.2	5.5	7.4	8.3	8.6	10.5	10.1	9.5	9.8	7.2
Selenium (Se)	GPS (.01)	0.002	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		19.8	21.4	20.5	19.7	18.5	18.9	17.4	17.7	17.6	18.3
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		56	50.6	53.1	50.4	53.8	57.1	50.5	54.4	51.2	56.8
TDS @ 180° *C.*	GPS (500)	986	978	974	985	958	1000	924	975	871	965
Sulfate (SO4)		521	508	486	497	444	500	455	512	437	490
Temperature *(C)*		10	11.3	9.7	12.7	9.5	9.2	9	9.6	9.5	9.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.2
Uranium, natural *(pCi/L)*	GPS (36)	2.1	1.9	2.2	2.2	1.5	1.7	1.5	1.7	1.5	1.7
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-61
pH
Std Units
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

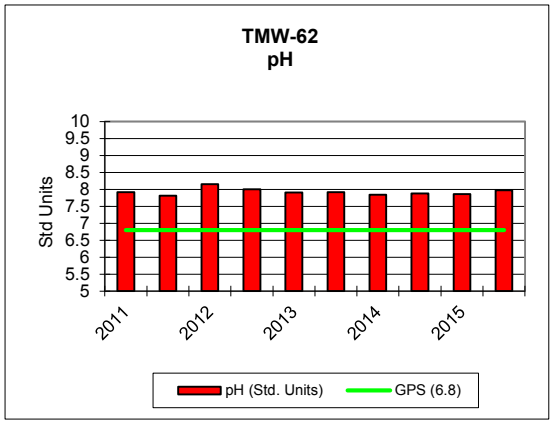

TMW-61
Manganese
mg/L
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

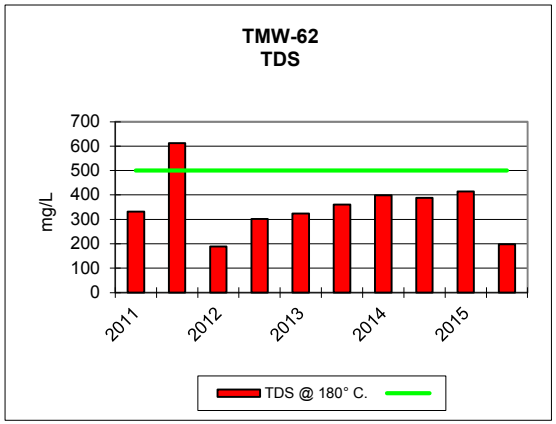

TMW-61
TDS
mg/L
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

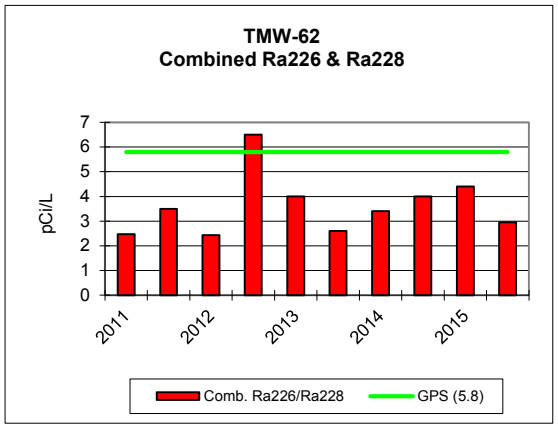

TMW-61
Combined Ra226/Ra228
pCi/L
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)


TMW-61
Iron
mg/L
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

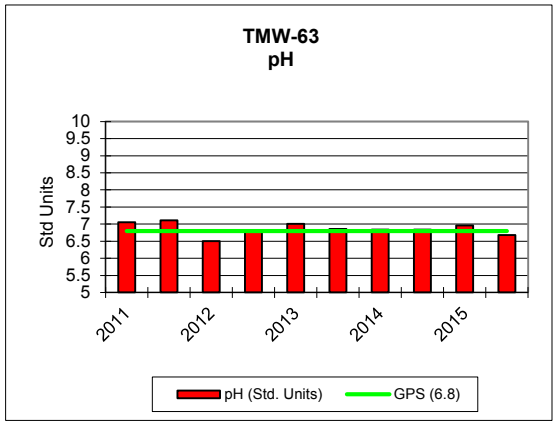
KENNECOTT URANIUM COMPANY											
TMW-62		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/3/2011	10/31/2011	5/1/2012	11/12/2012	4/22/2013	8/19/2013	5/19/2014	9/26/2014	5/11/2015	12/21/2015
TDS A/C Balance *(dec. %)*		0.845	0.886	-4.91	-2.72	-1.85	0.686	0.97	1.29	4.83	2.77
Alk-CaC03		98	100	87	94	103	105	104	102	114	96
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		120	122	106	115	126	128	127	125	139	118
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		61	132	21.6	47.5	60.3	74.6	80.4	78.6	81.7	32.4
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		4	13	3	5	5	5	6	5	6	3
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		498	884	285	451	499	551	589	580	602	322
Cond-Field *(umhos/cm)*		551	970	307	481	575	597	656	644	376	346
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	0.9	2.2	0.5	4.8	0.5	0.9	1.5	2.2	3.6	6.9
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		5.2	11.7	2	4.2	5.1	6.6	7.1	7.1	6.2	2.9
Manganese (Mn)	GPS (0.2)	0.04	0.1	0.02	0.03	0.04	0.05	0.05	0.06	0.05	0.03
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.92	7.81	8.15	8	7.91	7.92	7.84	7.88	7.86	7.97
pH (Field) *(Std. Units)*		7.9	7.54	8.2	7.33	7.9	8.1	8.2	8.2	7.88	8.11
Potassium (K)		2	3.2	1.3	1.8	2.1	2.3	2.2	2.2	2	1.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	2.47	3.5	2.43	6.5	4	2.6	3.4	4	4.4	2.95
Radium 226 *(pCi/L)*		0.77	2	0.73	4.7	1.1	1.2	1.4	1.7	1.1	0.55
Radium 228 *(pCi/L)*		1.7	1.5	1.7	1.8	2.9	1.4	2	2.3	3.3	2.4
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		11.5	12	12.5	11.2	11.4	12	11.7	11.9	11.6	11.4
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		40.4	51.1	31.2	35.5	34	34.5	34.8	34.6	30.2	29.2
TDS @ 180° *C.*	GPS (500)	332	612	189	302	324	361	398	388	414	198
Sulfate (SO4)		149	352	51	120	141	168	194	193	197	65
Temperature *(C)*		11	9.5	10.9	9.8	9	12.6	9.8	10.9	10.4	8.3
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	5.2	10	2.7	4.3	6.5	7	7.2	6.4	6.3	3.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

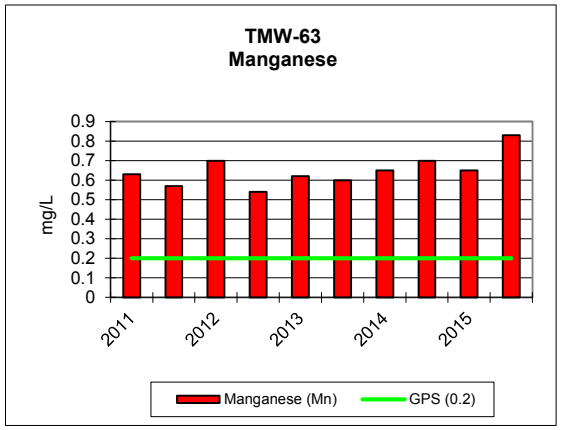

TMW-62
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

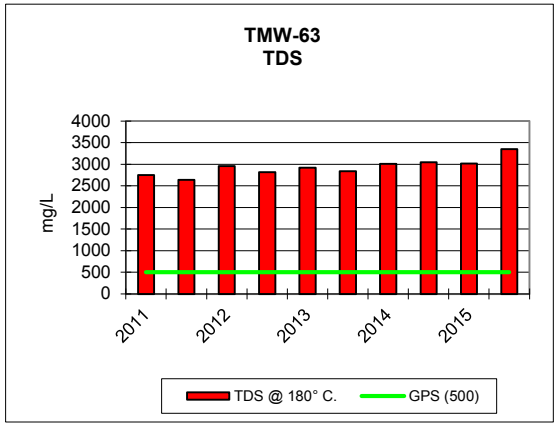

TMW-62
TDS
mg/L
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.

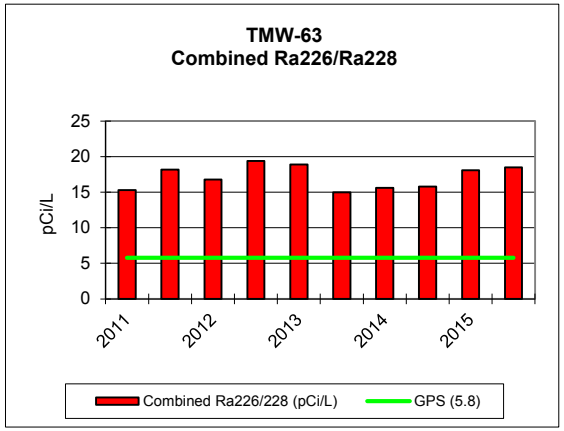

TMW-62
Combined Ra226 & Ra228
pCi/L
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Comb. Ra226/Ra228
GPS (5.8)

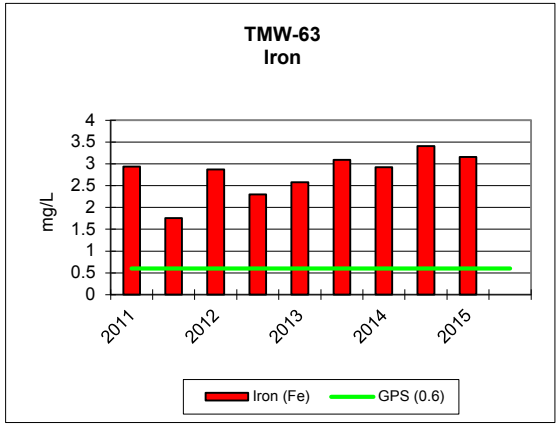
KENNECOTT URANIUM COMPANY											
TMW-63		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/10/2011	10/31/2011	5/2/2012	11/12/2012	4/29/2013	8/20/2013	5/20/2014	9/26/2014	5/11/2015	12/21/2015
TDS A/C Balance *(dec. %)*		-1.84	0.499	-1.65	4.67	-0.856	-1.48	2.69	2.71	3.65	4.8
Alk-CaC03		474	432	548	498	513	514	507	526	476	676
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		578	527	669	608	626	627	619	642	581	825
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		621	636	676	752	692	673	693	722	708	799
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		129	118	163	130	146	130	167	172	170	239
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.003	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.002
Cond *(umhos/cm)*		3010	3010	3280	3100	3280	3100	3260	3400	3320	3690
Cond-Field *(umhos/cm)*		3230	3060	3300	3340	3420	3360	1813	3350	3510	3600
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	8.9	3.3	3.3	8.4	6.4	3.3	5.4	9.2	20.5	37.2
Iron (Fe)	GPS (0.6)	2.94	1.76	2.87	2.3	2.58	3.09	2.92	3.41	3.16	ND
Lead (Pb210) *(pCi/L)*	GPS (8.9)	0.5	-0.03	0.2	0.4	0.2	0.05	0.4	1.1	0.2	0.6
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		47.8	47	46	51.6	51.3	49.1	51.1	52.3	42.9	50
Manganese (Mn)	GPS (0.2)	0.63	0.57	0.7	0.54	0.62	0.6	0.65	0.7	0.65	0.83
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.05	7.11	6.5	6.77	7.01	6.86	6.84	6.84	6.96	6.68
pH (Field) *(Std. Units)*		6.7	6.64	6.89	6.87	6.7	6.7	6.8	6.6	6.52	6.83
Potassium (K)		7.6	7.6	7	7.7	7	6.8	7.2	7.3	7.1	7.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	15.3	18.2	16.8	19.4	18.9	15	15.6	15.8	18.1	18.5
Radium 226 *(pCi/L)*		3.7	3.3	4.5	6.8	4.3	2.7	3.8	4.9	3.2	4.5
Radium 228 *(pCi/L)*		11.6	14.9	12.3	12.6	14.6	12.3	11.8	10.9	14.9	14
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		23.6	21.7	22	20.4	22.2	22.1	20.5	21.3	20.5	23.1
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		102	107	103	108	110	107	113	115	92.6	112
TDS @ 180° *C.*	GPS (500)	2750	2640	2960	2820	2920	2840	3010	3050	3020	3350
Sulfate (SO4)		1340	1350	1350	1390	1450	1430	1510	1570	1540	1620
Temperature *(C)*		11.7	11.9	11.4	9.8	18.2	15.2	13	13	12.5	9.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.02	0.02	0.02	0.03
Uranium, natural *(pCi/L)*	GPS (36)	3	3	3	1.9	7.2	1.7	2.3	1.3	1.5	3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	0.01	0.06	0.03	0.2	0.02	0.03	0.01	<0.01	0.03

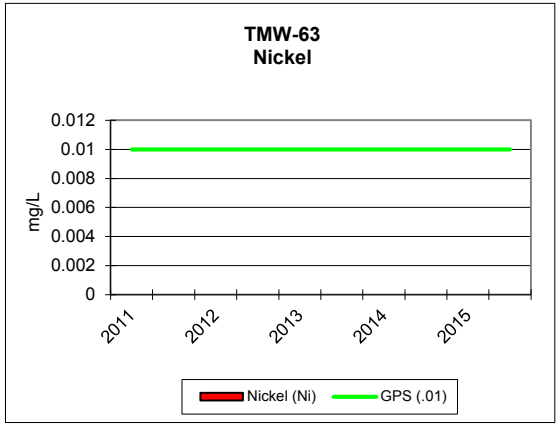

TMW-63
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-63
Manganese
mg/L
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

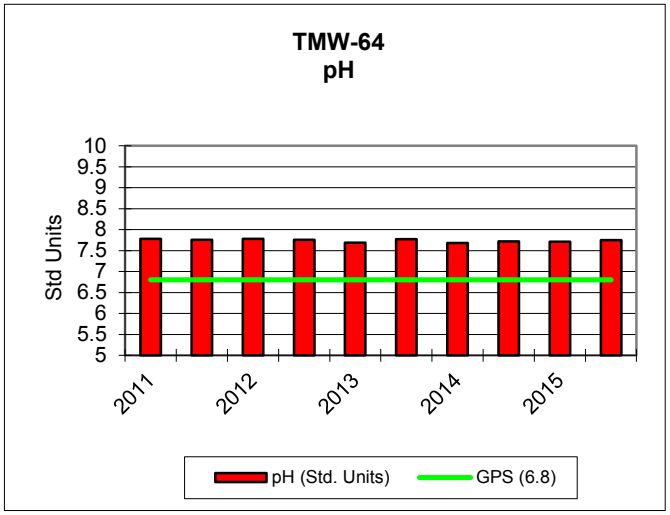

TMW-63
TDS
mg/L
4000
3500
3000
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

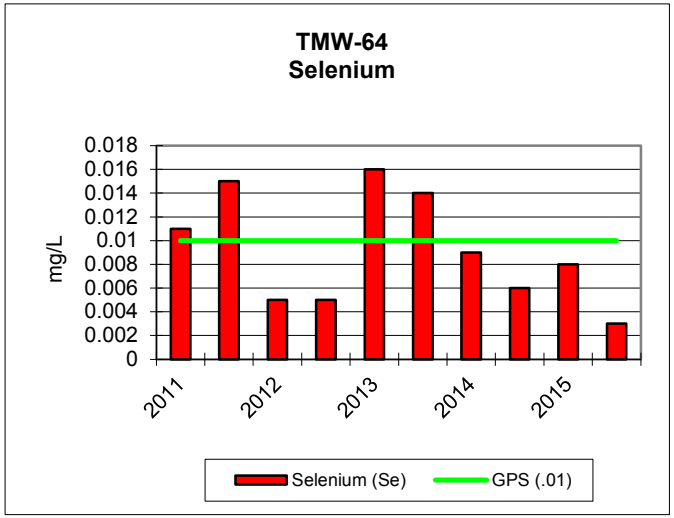

TMW-63
Combined Ra226/Ra228
pCi/L
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

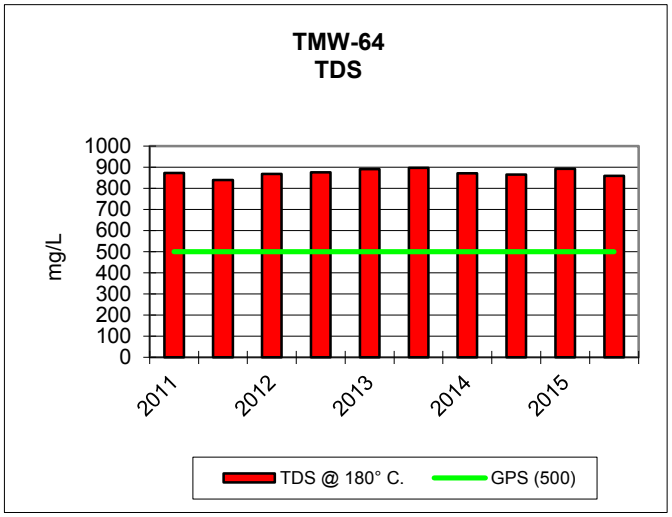

TMW-63
Iron
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

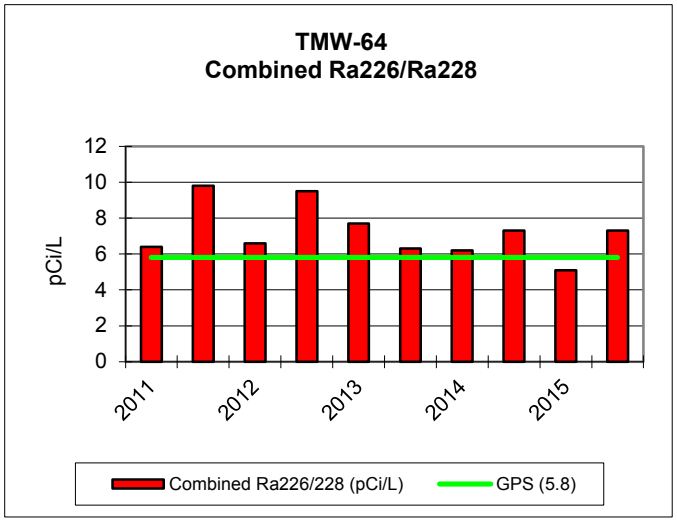

TMW-63
Nickel
mg/L
0.012
0.01
0.008
0.006
0.004
0.002
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

KENNECOTT URANIUM COMPANY											
TMW-64		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/3/2011	10/31/2011	5/1/2012	11/12/2012	4/23/2013	8/5/2013	5/6/2014	9/26/2014	5/11/2015	12/20/2015
TDS A/C Balance *(dec. %)*		-0.76	0.72	-1.04	-0.98	-3.31	3.01	1.91	3.05	4.53	3.46
Alk-CaC03		71	64	71	72	70	69	71	82	71	75
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		87	78	87	87	85	84	87	100	87	92
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		184	186	177	172	172	186	178	180	183	170
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		32	32	32	31	34	30	32	33	34	35
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1140	1140	1140	1130	1180	1150	1120	1150	1150	1140
Cond-Field *(umhos/cm)*		1201	1226	1139	1176	1233	1272	1261	1184	1269	1198
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.2	2.5	2.3	5.6	2.3	3.1	3.9	4.5	6	10.1
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	0.2	0.4	0.8	0.2	0.4	0.5	0.9	0.7
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		15.4	15.8	15.3	15.2	15.4	16	15.1	15.3	11.9	14.6
Manganese (Mn)	GPS (0.2)	0.04	0.05	0.04	0.04	<0.01	0.01	0.04	0.04	0.04	ND
Mercury (Hg)		0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.78	7.76	7.78	7.76	7.69	7.77	7.68	7.72	7.71	7.75
pH (Field) *(Std. Units)*		7.8	7.49	7.8	7.2	7.6	7.1	8.1	7.9	7.53	7.76
Potassium (K)		4	4.4	4.2	3.9	3.7	4.3	3.8	3.9	3.8	3.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.4	9.8	6.6	9.5	7.7	6.3	6.2	7.3	5.1	7.3
Radium 226 *(pCi/L)*		2.6	2.3	2.6	5	2.4	1.6	2.2	2.9	1.8	1.8
Radium 228 *(pCi/L)*		3.8	7.5	4	4.5	5.3	4.7	4	4.4	3.3	5.5
Selenium (Se)	GPS (.01)	0.011	0.015	0.005	0.005	0.016	0.014	0.009	0.006	0.008	0.003
Silica (SiO2)		9.1	9.3	10	9.3	8.6	9.5	8.9	9.3	9.2	8.4
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		50.7	55.9	50.4	51.8	51.7	55.4	50.9	52.4	40.2	50.7
TDS @ 180° *C.*	GPS (500)	873	840	868	876	891	898	871	866	893	859
Sulfate (SO4)		511	515	496	486	512	486	508	520	514	498
Temperature *(C)*		10.7	10.7	10.9	10.5	9.9	13.1	10.1	9.4	9.1	8.5
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	16.6	14.5	15.5	15.5	16.5	15.2	12.2	12.8	12.1	11.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01

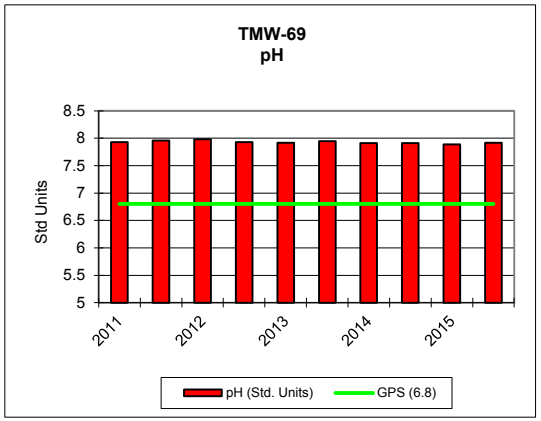

TMW-64
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

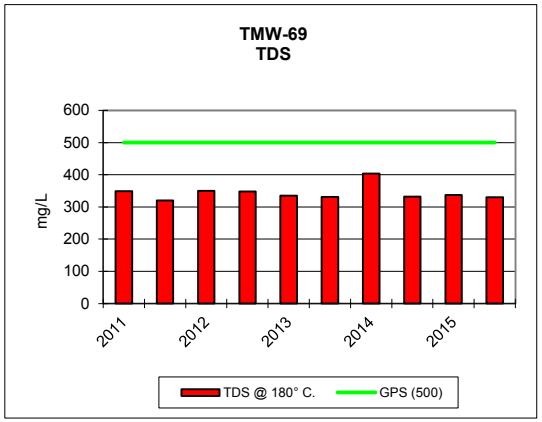

TMW-64
Selenium
mg/L
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
2011
2012
2013
2014
2015
Selenium (Se)
GPS (.01)

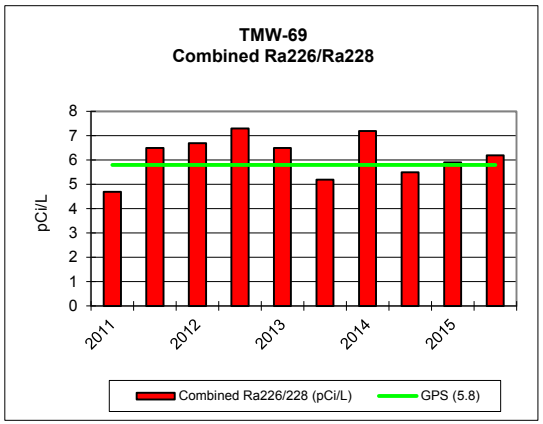

TMW-64
TDS
mg/L
1000
900
800
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-64
Combined Ra226/Ra228
pCi/L
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

KENNECOTT URANIUM COMPANY											
TMW-69		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/4/2011	10/31/2011	5/1/2012	11/12/2012	4/23/2013	8/19/2013	4/22/2014	9/19/2014	5/11/2015	12/16/2015
TDS A/C Balance *(dec. %)*		0.676	0.295	-1.45	-1.98	-2.96	0.0118	0.44	1.49	3.58	3.13
Alk-CaC03		106	103	112	104	107	109	108	108	106	127
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		129	125	136	127	131	133	132	132	129	155
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		72.3	67.6	68.7	65.2	63.9	67.8	67.9	65.6	68.4	67.5
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		6	6	6	6	6	6	6	6	6	6
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		511	505	510	508	511	506	500	504	506	496
Cond-Field *(umhos/cm)*		542	543	531	536	562	551	558	525	490	504
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Gross Alpha *(pCi/L)*	GPS (15)	1.5	1.8	1.8	2.6	1.6	1.6	2.2	2.1	6.1	4.3
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		4.2	4.1	4.1	4	4	4.1	4.2	3.9	3.3	4
Manganese (Mn)	GPS (0.2)	0.04	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.93	7.96	7.98	7.93	7.92	7.95	7.91	7.91	7.89	7.92
pH (Field) *(Std. Units)*		8	7.7	7.9	7.55	7.4	7.8	8.3	8.1	7.86	7.95
Potassium (K)		2.7	2.9	3	2.5	2.5	2.7	2.8	2.7	2.5	2.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	4.7	6.5	6.7	7.3	6.5	5.2	7.2	5.5	5.9	6.2
Radium 226 *(pCi/L)*		1	1.5	1.8	2.5	1.5	1.1	1.8	1.4	1.6	1.5
Radium 228 *(pCi/L)*		3.7	5	4.9	4.8	5	4.1	5.4	4.1	4.3	4.7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.9	14.4	16	13.7	14.3	14.2	14	13.5	14	14.2
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		33	34.7	31.5	31.5	32.2	33	34	31.8	26.2	33.6
TDS @ 180° *C.*	GPS (500)	349	320	350	348	335	331	404	332	337	330
Sulfate (SO4)		148	145	142	142	142	138	144	138	143	137
Temperature *(C)*		10.2	11	11.1	10.8	9.5	12.8	10.1	10.2	9.2	8.2
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	3.8	3.7	3.6	3.6	3.9	3.7	3.7	4.1	3.6	3.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

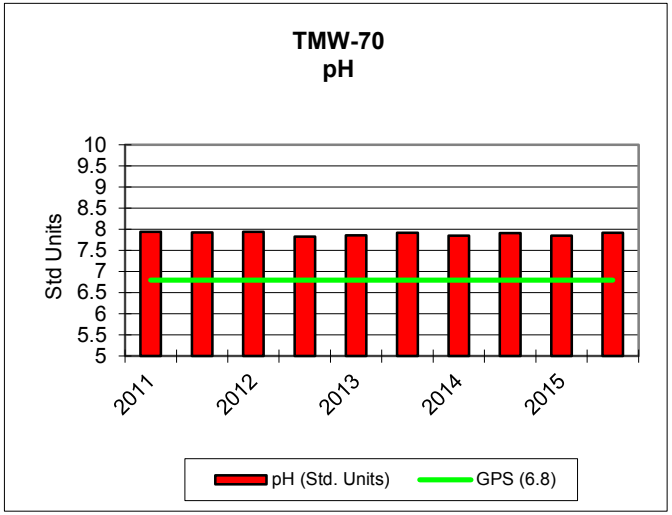

TMW-69
pH
Std Units
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

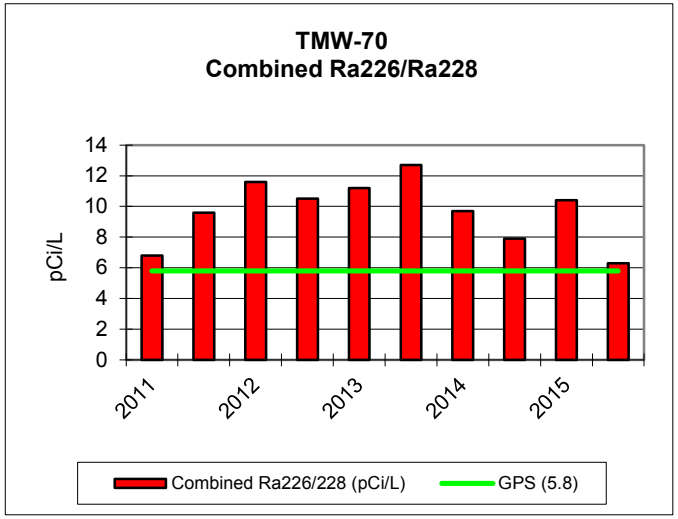

TMW-69
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

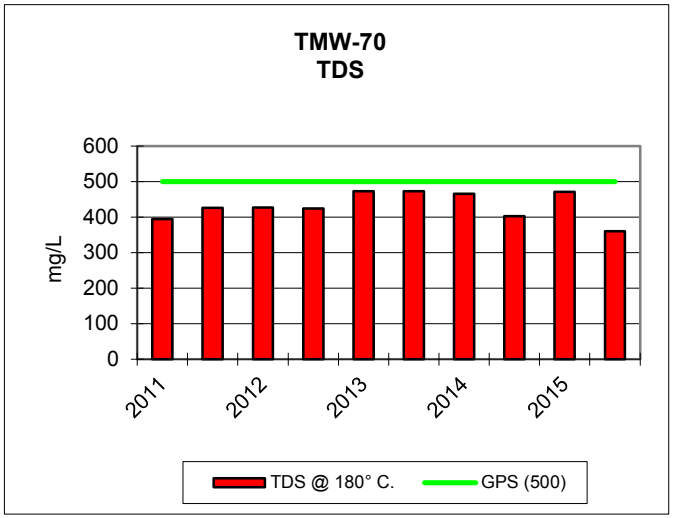

TMW-69
Combined Ra226/Ra228
pCi/L
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

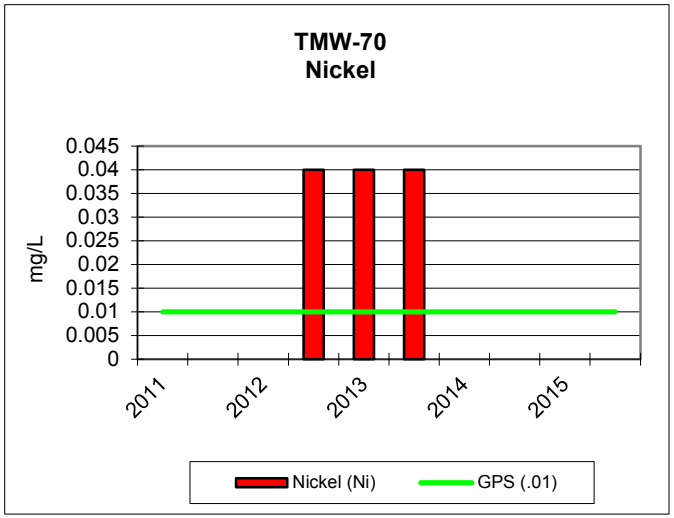
TMW-69

KENNECOTT URANIUM COMPANY											
TMW-70		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/4/2011	10/31/2011	5/1/2012	11/12/2012	4/22/2013	8/19/2013	4/22/2014	9/19/2014	5/11/2015	12/16/2015
TDS A/C Balance *(dec. %)*		0.199	2	-4.3	-0.185	-2.77	0.811	0.18	1.5	2.32	0.74
Alk-CaC03		94	79	94	90	88	90	89	98	87	102
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		114	97	114	110	108	110	108	119	107	125
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		82.2	92.2	78.9	83.2	92	99.2	97.9	80.1	95.4	71.8
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		8	11	19	10	12	11	12	9	11	7
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		578	646	613	610	691	688	671	597	668	530
Cond-Field *(umhos/cm)*		627	695	634	636	752	744	737	614	745	566
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.5	3.6	3.8	4.7	5	4.9	3.6	3.9	6.6	5.4
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	0.06	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		4.8	5.5	5	5.1	5.7	6	6	4.8	4.9	4.3
Manganese (Mn)	GPS (0.2)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	0.04	0.04	0.04	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.94	7.93	7.94	7.83	7.86	7.92	7.85	7.91	7.85	7.92
pH (Field) *(Std. Units)*		8	7.6	7.7	7.75	7.9	7.8	8.3	9.7	7.87	7.97
Potassium (K)		2.8	3.3	2.8	2.8	2.8	3.1	3.3	2.9	2.9	2.7
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.8	9.6	11.6	10.5	11.2	12.7	9.7	7.9	10.4	6.3
Radium 226 *(pCi/L)*		2.4	3.8	5.6	4.7	4.6	4.9	4.6	3.4	3.9	3.1
Radium 228 *(pCi/L)*		4.4	5.8	6	5.8	6.6	7.8	5.1	4.5	6.5	3.2
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.1	13.6	15.2	13.8	13.1	13.3	13.3	13.1	13.1	14.6
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		35.3	40.1	37.2	36.5	37.7	39	40.4	35.1	32.6	36.3
TDS @ 180° *C.*	GPS (500)	394	426	427	424	473	473	466	403	471	360
Sulfate (SO4)		191	227	201	200	243	239	246	191	236	157
Temperature *(C)*		10.5	10.4	12.4	11.5	9.4	13	10.1	8.2	9.4	8.3
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	3.5	3.4	3	3.4	3.7	3.8	3.5	3.9	3.4	2.5
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

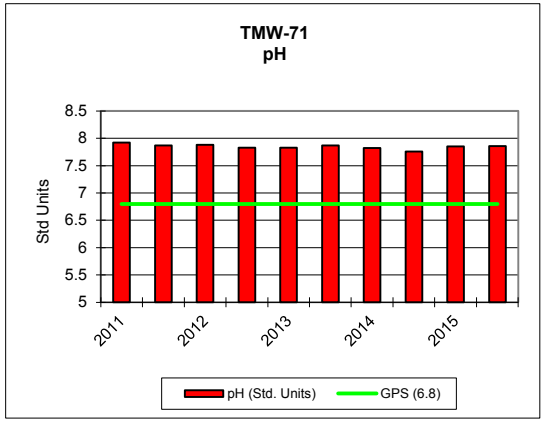

TMW-70
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

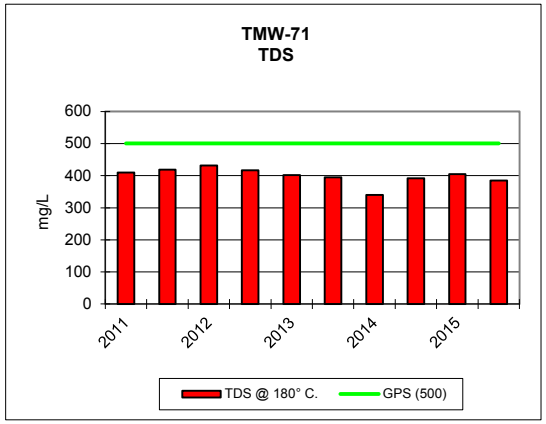

TMW-70
Combined Ra226/Ra228
pCi/L
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

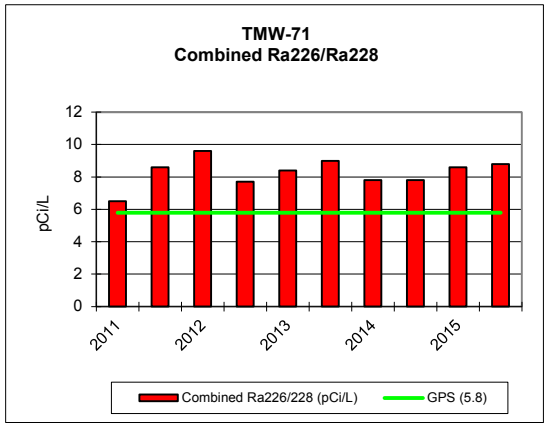

TMW-70
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-70
Nickel
mg/L
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

KENNECOTT URANIUM COMPANY											
TMW-71		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/3/2011	10/31/2011	5/1/2012	11/12/2012	4/22/2013	8/19/2013	4/22/2014	9/19/2014	5/12/2015	12/20/2015
TDS A/C Balance *(dec. %)*		-0.857	1.11	-0.296	-0.47	-3.24	0.251	0.97	1.5	1.12	2.34
Alk-CaC03		121	109	119	119	131	121	122	120	120	133
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		147	133	145	145	160	148	145	147	146	163
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		88.8	91.4	90.2	85.2	82	84.9	85	82	83.3	83.2
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		5	6	6	5	5	5	5	5	5	5
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		603	624	612	600	598	590	580	581	605	570
Cond-Field *(umhos/cm)*		647	663	675	633	662	630	648	606	595	614
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.7	3.1	2.6	4	3	3.1	3.6	3.5	8.6	10.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		5.4	5.5	5.4	5.2	5	5.1	5.2	4.8	4.9	5
Manganese (Mn)	GPS (0.2)	0.05	0.05	0.04	0.04	0.05	0.05	0.04	0.04	0.04	0.04
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.92	7.87	7.88	7.83	7.83	7.87	7.82	7.76	7.85	7.86
pH (Field) *(Std. Units)*		7.8	7.5	7.4	7.67	7.8	7.6	8.2	8.1	7.52	7.85
Potassium (K)		2.9	3.4	3.4	2.8	2.7	2.9	3	3	2.9	2.9
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.5	8.6	9.6	7.7	8.4	9	7.8	7.8	8.6	8.8
Radium 226 *(pCi/L)*		2.3	3	4.3	3.3	3.2	3	3.5	2.8	3	2.3
Radium 228 *(pCi/L)*		4.2	5.6	5.3	4.4	5.2	6	4.3	5	5.6	6.5
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.3	15.4	17	15.1	15.1	15.2	14.7	14.5	15	14.3
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		33.8	36.6	30.4	33.3	32.7	33.9	33.8	32	32.9	33
TDS @ 180° *C.*	GPS (500)	410	419	432	417	402	395	340	392	405	385
Sulfate (SO4)		190	202	185	179	174	173	180	172	163	171
Temperature *(C)*		10.4	10.4	9.7	10.6	8.7	12.5	12.1	9.9	10	8.3
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	5.3	5.1	4.8	4.9	4.8	4.5	4.6	4.6	4.2	4.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01

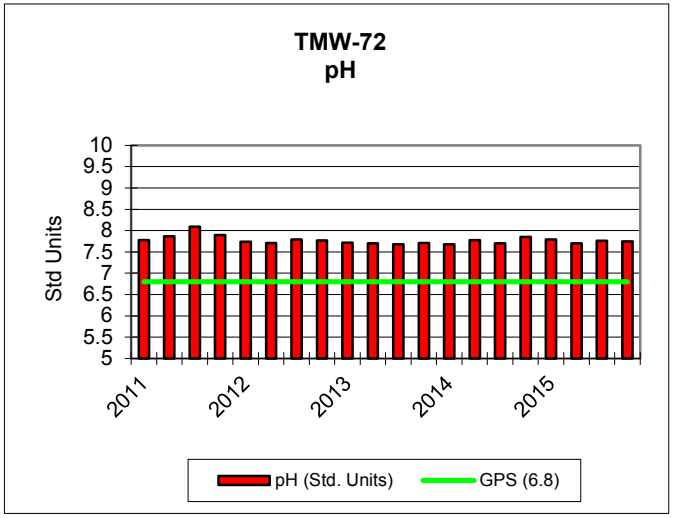

TMW-71
pH
Std Units
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

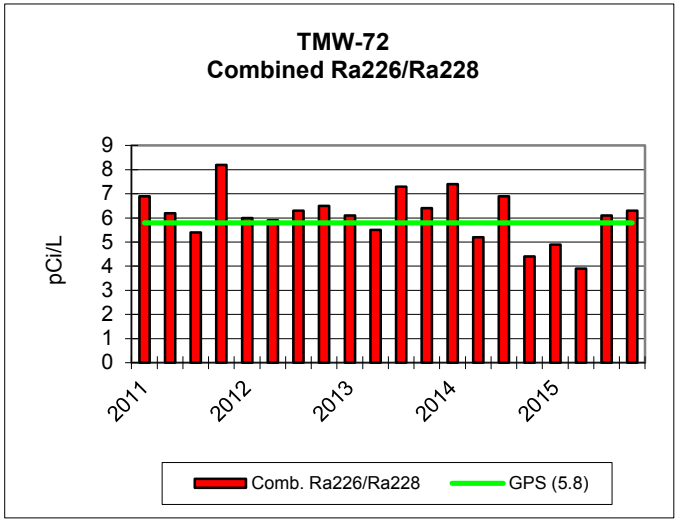

TMW-71
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

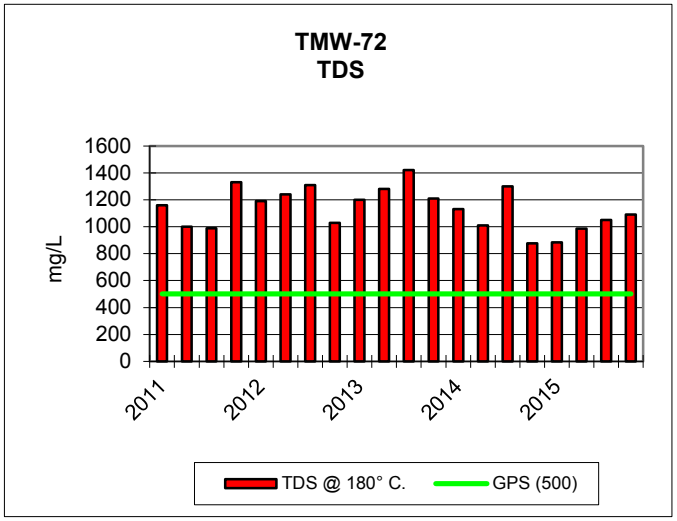

TMW-71
Combined Ra226/Ra228
pCi/L
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

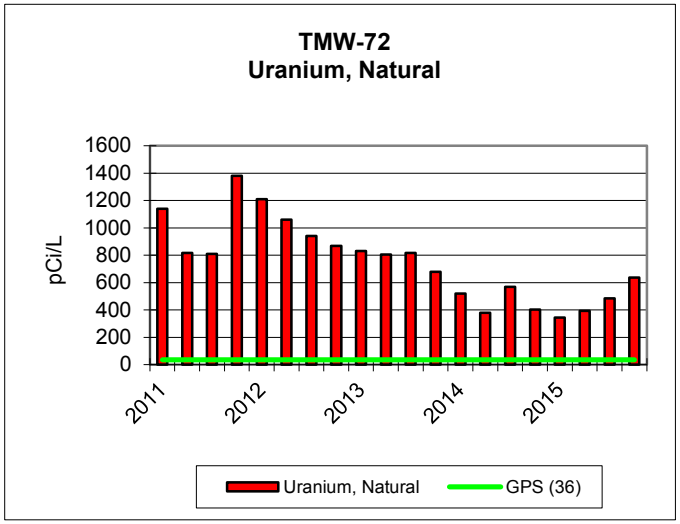
KENNECOTT URANIUM COMPANY																
TMW-72		2011				2012				2013				2014		
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/17/2011	4/4/2011	7/11/2011	10/23/2011	1/23/2012	4/16/2012	7/10/2012	10/2/2012	1/21/2013	4/22/2013	7/8/2013	10/28/2013	1/18/2014	4/8/2014	7/15/2014
TDS A/C Balance *(dec. %)*		-1.04	1.29	-4.62	3.49	0.0528	0.463	2.36	-0.145	0.0157	-1.79	1.49	0.0235	1.08	4.68	0.02
Alk-CaC03		80	84	82	66	71	72	72	79	74	70	63	71	73	78	64
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		97	102	100	80	87	87	88	96	90	86	77	86	89	95	79
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		246	224	203	305	260	256	278	223	254	262	308	263	238	200	291
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		50	42	42	54	48	47	48	40	47	54	62	54	49	45	69
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Cond *(umhos/cm)*		1430	1280	1320	1600	1500	1500	1580	1280	1500	1590	1710	1530	1410	1280	1610
Cond-Field *(umhos/cm)*		1675	1532	1507	1779	1768	1774	1762	1417	1711	1747	1735	1826	1649	1418	996
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	2.7	2.8	2.5	3	3.8	3.4	3.2	1.4	2.7	2.2	3	3.5	2.8	1.6	4
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	1	<1	1.1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05
Magnesium (Mg)		15.9	15	13.5	20	17.4	17.4	18.6	15.2	17.4	17.9	20.7	<1	<1	<1	<1
Manganese (Mn)	GPS (0.2)	0.01	<0.02	<0.02	0.03	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	0.01	0.01	<0.02	<0.02
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	**GPS (6.8)**	7.78	7.87	8.09	7.9	7.74	7.71	7.79	7.77	7.72	7.7	7.68	7.71	7.68	7.78	7.7
pH (Field) *(Std. Units)*		6.9	7.7	7.9	7.4	7.3	7.5	7.5	7.18	7.25	7.7	7.9	7.8	7.7	7.7	7.9
Potassium (K)		4.2	4.1	3.7	4.6	4.1	4	4.4	4.1	3.9	4.1	4.9	4.2	4	3.7	4.8
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	6.9	6.2	5.4	8.2	6	5.9	6.3	6.5	6.1	5.5	7.3	6.4	7.4	5.2	6.9
Radium 226 *(pCi/L)*		3.3	2.2	2.4	3.5	2.8	2.5	2.7	1.9	2.5	2.2	2.2	2	2.3	2.9	2.9
Radium 228 *(pCi/L)*		3.6	4	3	4.7	3.2	3.4	3.6	4.6	3.6	3.3	5.1	4.4	5.1	2.3	4
Selenium (Se)	GPS (.01)	0.005	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.3	14.8	12.9	12	13.7	11.7	12.1	13.2	13.2	11.6	11.6	12.8	11.9	12	12.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		60.6	61.1	55	73.3	63.6	63.8	68.8	55.5	64.9	65	74.7	67.3	61	52	72.9
TDS @ 180° *C.*	**GPS (500)**	1160	1000	988	1330	1190	1240	1310	1030	1200	1280	1420	1210	1130	1010	1300
Sulfate (SO4)		656	573	588	766	696	679	713	588	682	730	810	706	613	569	783
Temperature *(C)*		10.1	10	12.6	10.9	10.4	10.5	13.2	12.9	10	9	13.5	9.1	8.9	10	11
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*	GPS (7.0)	0.3	<0.2	<0.2	<0.2	0.01	<0.2	0.06	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Uranium, natural *(pCi/L)*	**GPS (36)**	1140	817	810	1380	1210	1060	942	869	832	805	817	679	520	379	569
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	0.02	<0.01	0.03	0.02	<0.01	<0.01	<0.01	0.02	<0.01	0.01	0.01	<0.01

KENNECOTT URANIUM COMPANY						
TMW-72			2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	10/21/2014	1/20/2015	4/22/2015	7/22/2015	12/2/2015
TDS A/C Balance *(dec. %)*		1.25	0.8	4.03	2.36	3.08
Alk-CaC03		94	82	76	75	84
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		115	100	93	91	102
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		197	184	191	236	227
Carbonate (CO3)		<1	<1	<1	<1	<1
Chloride (Cl)		40	39	44	47	53
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1170	1140	1270	1340	1410
Cond-Field *(umhos/cm)*		1546	1146	1245	1012	1758
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.3	3.2	8	7.5	8.1
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1
Lead (Pb)		<0.05	<0.05	<0.05	<0.05	<0.05
Magnesium (Mg)		<1	12.2	12.5	14.9	15.9
Manganese (Mn)	GPS (0.2)	<0.02	<0.02	<0.02	<0.02	<0.02
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	**GPS (6.8)**	7.85	7.79	7.7	7.76	7.75
pH (Field) *(Std. Units)*		7.88	8.24	7.72	7.64	7.8
Potassium (K)		3.7	3.7	3.7	4.2	4.1
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	4.4	4.9	3.9	6.1	6.3
Radium 226 *(pCi/L)*		1.7	1.9	1.7	2.3	2.7
Radium 228 *(pCi/L)*		2.7	3	2.2	3.8	3.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		12.5	12.7	12.4	12.7	12
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		56.2	54.1	54.7	58.2	63.8
TDS @ 180° *C.*	**GPS (500)**	876	885	987	1050	1090
Sulfate (SO4)		484	485	545	581	640
Temperature *(C)*		9.7	8	10	9.9	7.7
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	0.6	<0.2	<0.2
Uranium, natural *(pCi/L)*	**GPS (36)**	404	345	393	486	638
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01


TMW-72
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

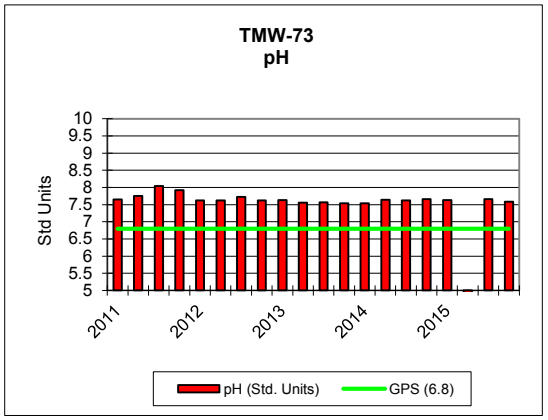

TMW-72
Combined Ra226/Ra228
pCi/L
9
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Comb. Ra226/Ra228
GPS (5.8)

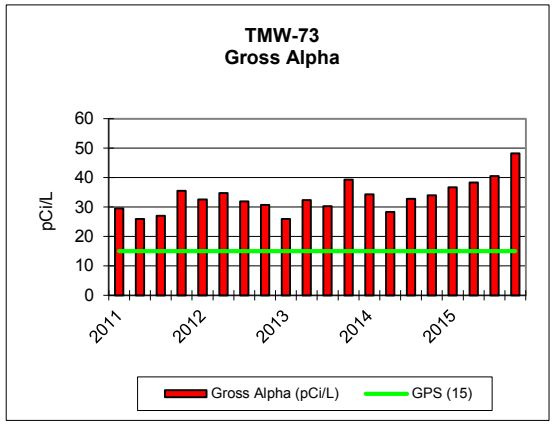

TMW-72
TDS
mg/L
1600
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

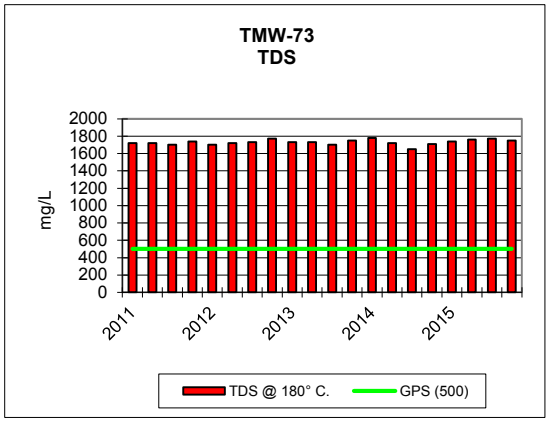

TMW-72
Uranium, Natural
pCi/L
1600
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
Uranium, Natural
GPS (36)

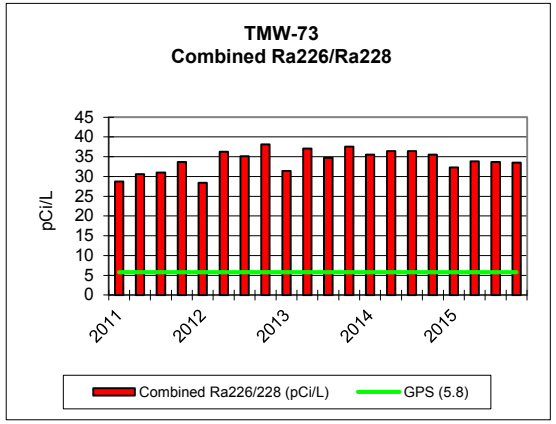
KENNECOTT URANIUM COMPANY																
TMW-73		2011				2012				2013				2014		
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/17/2011	4/4/2011	7/11/2011	10/23/2011	1/23/2012	4/16/2012	7/10/2012	10/2/2012	1/21/2013	4/22/2013	7/8/2013	10/28/2013	1/18/2014	4/8/2014	7/15/2014
TDS A/C Balance *(dec. %)*		-2.28	1.36	-2.14	0.0375	0.113	-0.752	0.944	0.262	1.48	0.513	0.674	2.11	0.106	2.75	0.35
Alk-CaC03		100	94	94	86	86	93	92	98	96	102	101	101	101	101	101
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		122	115	115	105	105	114	113	120	118	124	124	123	124	124	123
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		333	350	334	349	355	336	343	358	367	354	348	369	343	330	337
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		71	73	76	75	78	81	82	93	97	97	95	99	97	95	100
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Cond *(umhos/cm)*		1990	2000	2020	2030	2020	2010	2040	1980	2080	2100	2060	2080	2080	2030	2020
Cond-Field *(umhos/cm)*		2210	2110	2210	1910	2060	2210	2100	2140	2100	2220	2170	2190	2250	2160	1684
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	29.5	25.9	27	35.5	32.6	34.8	31.9	30.7	26	32.4	30.3	39.3	34.3	28.3	32.8
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	5.8	4.3	5.1	6.4	7.8	8.4	7.1	9	3.8	8.3	8.2	4.6	6.5	9.2	5.1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		35.7	38.6	37	37.4	36.8	37.1	37.5	38.7	39.9	37.9	38.1	41	38.4	35	40.9
Manganese (Mn)	GPS (0.2)	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002
Molybdenum (Mo)		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		3.8	4	4.6	4.9	4.7	5.6	5.7	5.6	5.4	6	6	6.2	6.5	5.1	6
pH *(Std. Units)*	GPS (6.8)	7.65	7.75	8.04	7.92	7.62	7.62	7.72	7.62	7.63	7.56	7.57	7.54	7.54	7.64	7.62
pH (Field) *(Std. Units)*		6.9	7.4	7.5	7.3	6.9	7.6	7.3	6.87	7.23	6.6	7.5	7.7	7.6	7.5	7.3
Potassium (K)		5.1	5.5	5	5.3	5.2	4.9	5.1	5.7	5.5	5.1	5.5	5.3	5	4.8	5.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	28.7	30.6	31	33.7	28.4	36.3	35.1	38.1	31.4	37.1	34.7	37.6	35.5	36.4	36.4
Radium 226 *(pCi/L)*		23	24	25	28	23	32	31	32	25	31	28	30	29	32	28
Radium 228 *(pCi/L)*		5.7	6.6	6	5.7	5.4	4.3	4.1	6.1	6.4	6.1	6.7	7.6	6.5	4.4	8.4
Selenium (Se)	GPS (.01)	0.316	0.329	0.379	0.361	0.343	0.346	0.432	0.416	0.376	0.398	0.358	0.372	0.423	0.348	0.39
Silica (SiO2)		6.9	7.3	6.5	5.9	6.7	6.1	6.2	6.5	6.3	6.3	6.3	6.9	6.1	4.9	6.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		93.3	105	94.2	97.9	91.9	93.8	95.8	96.4	99.5	96.3	102	104	98.3	88.9	105
TDS @ 180° *C.*	GPS (500)	1720	1720	1700	1740	1700	1720	1730	1770	1730	1730	1700	1750	1780	1720	1650
Sulfate (SO4)		988	971	990	994	988	954	937	975	973	946	942	966	935	938	953
Temperature *(C)*		10.7	10.5	12.5	12.2	10.3	9.7	13.2	11.8	9.4	10.4	14.3	9.9	9.7	11.1	10.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.1	0.1	-0.004	0.008	0.04	0.02	0.009	0.07	0.05	0.2	0.02	0.3	0.1	0.2	0.1
Uranium, natural *(pCi/L)*	GPS (36)	5260	5520	4600	5410	5090	5290	5270	5300	4900	5220	5210	5090	4400	4650	4600
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	0.02	<0.01	0.03	0.03	<0.01	<0.01	0.02	0.03	0.02	0.02	0.02	0.01

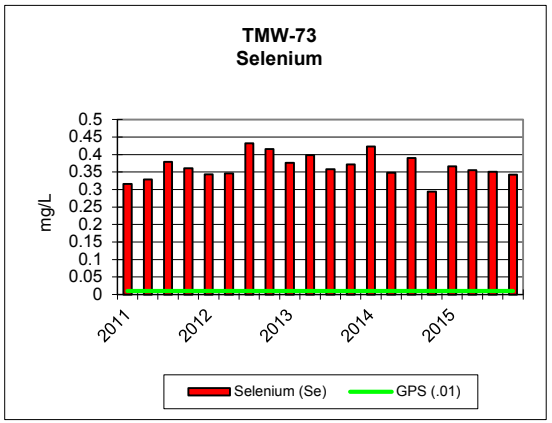
KENNECOTT URANIUM COMPANY						
TMW-73			2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	10/21/2014	1/20/2015	4/28/2015	7/22/2015	12/2/2015
TDS A/C Balance *(dec. %)*		0.86	0.57	1.14		0.17
Alk-CaC03		102	101	99	103	103
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		125	123	120	125	126
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		342	353	357	366	352
Carbonate (CO3)		<1	<1	<1	<1	<1
Chloride (Cl)		102	100	98	100	102
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	0.001	<0.001
Cond *(umhos/cm)*		2090	2030	2110	2140	2090
Cond-Field *(umhos/cm)*		2170	2160	2050	1877	2290
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	<0.1	<0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	34	36.7	38.3	40.5	48.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	9.5	6.1	6.6	6.1	9.5
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		37.2	37.4	37.9	37.6	39.4
Manganese (Mn)	GPS (0.2)	0.01	0.01	0.01	0.02	0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		6.4	6.5	5.5	6.4	6.5
pH *(Std. Units)*	GPS (6.8)	7.66	7.63		7.66	7.58
pH (Field) *(Std. Units)*		7.68	7.98	7.56	7.33	7.6
Potassium (K)		5.2	5.3	5.2	5.7	5.4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	35.5	32.3	33.8	33.7	33.5
Radium 226 *(pCi/L)*		29	26	28	26	29
Radium 228 *(pCi/L)*		6.5	6.3	5.8	7.7	4.5
Selenium (Se)	GPS (.01)	0.294	0.366	0.355	0.351	0.342
Silica (SiO2)		6	6	6.1	6.3	6
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		99.5	100	100	98.4	105
TDS @ 180° *C.*	GPS (500)	1710	1740	1760	1770	1750
Sulfate (SO4)		946	943	949	952	961
Temperature *(C)*		10.3	8.7	9	9.2	7.5
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.07	0.1	0.1	0.06	0.07
Uranium, natural *(pCi/L)*	GPS (36)	4100	4670	4340	4360	4600
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01

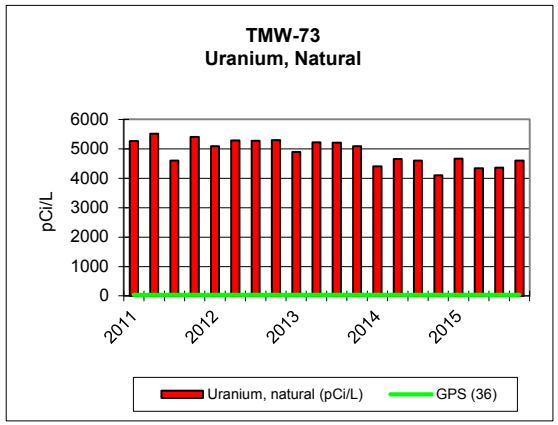

TMW-73
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-73
Gross Alpha
pCi/L
60
50
40
30
20
10
0
2011
2012
2013
2014
2015
Gross Alpha (pCi/L)
GPS (15)


TMW-73
TDS
mg/L
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

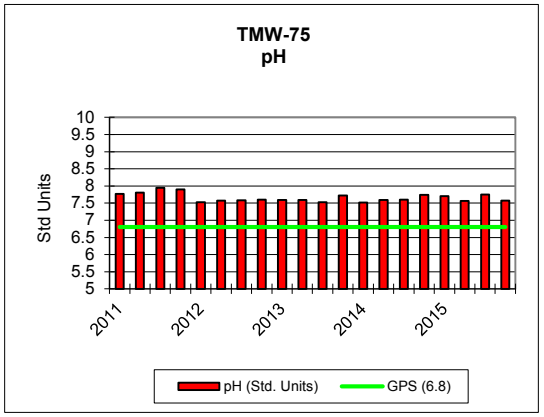

TMW-73
Combined Ra226/Ra228
pCi/L
45
40
35
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

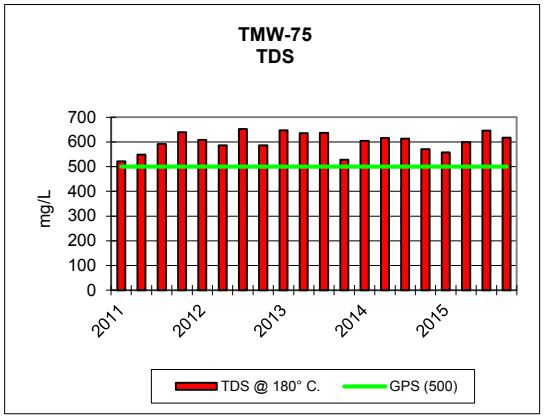

TMW-73
Selenium
mg/L
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Selenium (Se)
GPS (.01)

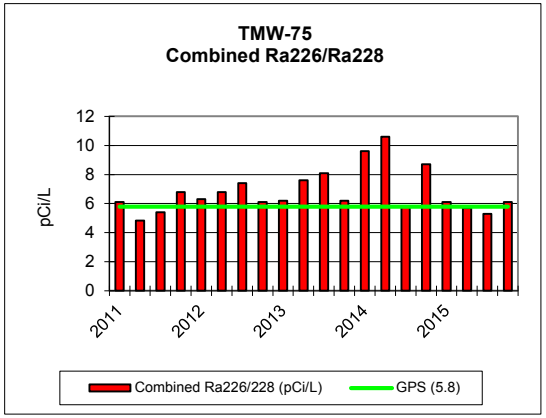

TMW-73
Uranium, Natural
pCi/L
6000
5000
4000
3000
2000
1000
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

KENNECOTT URANIUM COMPANY																
TMW-75		2011				2012				2013				2014		
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/14/2011	4/5/2011	7/11/2011	10/17/2011	1/4/2012	4/10/2012	7/10/2012	10/22/2012	1/15/2013	4/2/2013	7/9/2013	10/1/2013	1/18/2014	4/1/2014	7/1/2014
TDS A/C Balance *(dec. %)*		-0.871	1.2	-2.87	1.34	2.91	-1.39	2.14	-1.06	4.85	-4.11	1.43	-2.47	-0.456	2.55	1.38
Alk-CaC03		116	119	125	122	121	126	127	127	134	132	132	123	128	129	127
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		141	145	152	149	148	154	155	155	163	161	161	150	156	157	154
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		113	119	116	143	141	119	136	119	155	124	138	104	125	131	127
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		14	14	15	20	19	16	18	16	19	19	19	13	17	17	16
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		757	781	818	885	916	836	909	830	884	897	906	735	853	864	846
Cond-Field *(umhos/cm)*		868	765	873	963	965	886	916	916	958	980	958	804	817	959	825
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	<0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	2.5	2	1.2	1.8	1.6	1	0.9	2.4	1.3	2.3	1.1	2.1	2.4	2.7	1.9
Iron (Fe)	GPS (0.6)	<0.05	0.06	0.05	0.09	0.11	0.16	0.18	0.09	<0.05	0.19	0.18	<0.05	0.13	0.2	0.15
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.2	<1	<1	<1	0.5	<1	0.7	1.1	0.2	0.007	0.6	0.05	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		6.8	8.4	8.5	10.6	10.5	8.6	10.7	9.2	11.9	10	10.8	7.2	9.7	10.3	9.5
Manganese (Mn)	GPS (0.2)	0.05	0.07	0.08	0.11	0.11	0.08	0.11	0.1	0.13	0.1	0.12	0.08	0.1	0.1	0.11
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.77	7.81	7.95	7.9	7.53	7.57	7.58	7.6	7.59	7.59	7.53	7.72	7.52	7.59	7.6
pH (Field) *(Std. Units)*		7.7	7.8	7.4	7.2	7.42	7.7	7.3	7.34	7.5	6.9	7.6	7.63	7.7	7.7	7.8
Potassium (K)		3.3	3.4	3.1	3.4	3.5	3	3.4	3.1	3.5	2.9	3.6	3	3.1	3.4	3.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.1	4.84	5.4	6.8	6.3	6.8	7.4	6.1	6.2	7.6	8.1	6.2	9.6	10.6	5.8
Radium 226 *(pCi/L)*		1.6	0.94	1	1.3	1.3	1	1.5	1.4	1.8	1.4	1.4	1.3	1.2	2	1.5
Radium 228 *(pCi/L)*		4.5	3.9	4.4	5.5	5	5.8	5.9	4.7	4.4	6.2	6.7	4.9	8.4	8.6	4.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.2	16.7	15.2	16	15.3	14.2	15.1	15.1	17.3	13.7	14.8	14.5	14.1	14.9	14.6
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		41.6	44.1	41.5	45.8	45.6	42.4	44.6	43	45.3	43.1	48	38.6	42.7	46.7	45.8
TDS @ 180° *C.*	GPS (500)	521	549	592	640	608	586	653	587	647	635	637	528	605	616	614
Sulfate (SO4)		266	270	286	327	309	281	298	280	316	315	313	245	289	287	286
Temperature *(C)*		9.6	11.1	12.4	10.1	12.2	11.4	12.8	10.7	6.7	8.5	15.8	11.1	7.5	8.5	16
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	11.4	10.7	12.3	17.5	17.4	12.1	15.5	13.5	15.1	16	17.1	10.7	15	13.7	13.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.03

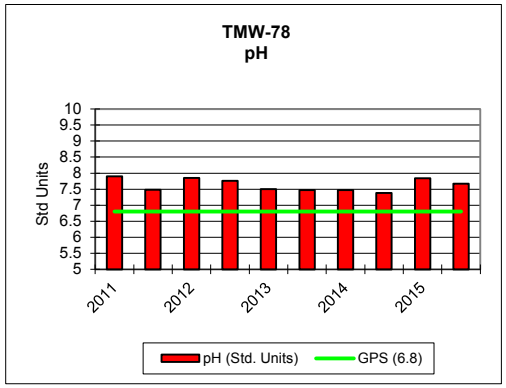
KENNECOTT URANIUM COMPANY						
TMW-75			2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	10/14/2014	1/14/2015	4/21/2015	7/13/2015	11/2/2015
TDS A/C Balance *(dec. %)*		0.12	0.12	4.12	2	0.7
Alk-CaC03		127	126	132	137	134
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		155	154	161	167	163
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		117	118	127	127	126
Carbonate (CO3)		<1	ND	ND	ND	ND
Chloride (Cl)		16	17	19	20	19
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		814	820	858	886	849
Cond-Field *(umhos/cm)*		848	887	895	913	869
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	2.1	9.5	10.3	4.7	3.6
Iron (Fe)	GPS (0.6)	0.14	0.13	0.18	0.17	0.21
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		8.7	8.7	9.8	10.1	10.1
Manganese (Mn)	GPS (0.2)	0.09	0.09	0.1	0.12	0.11
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.74	7.7	7.56	7.75	7.57
pH (Field) *(Std. Units)*		7.49	8.49	7.33	7.04	7.33
Potassium (K)		3	3.4	3.2	3.4	3.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	8.7	6.1	5.7	5.3	6.1
Radium 226 *(pCi/L)*		2.2	2	1.8	1.1	1.1
Radium 228 *(pCi/L)*		6.5	4.1	3.9	4.2	5
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.4	15	14.4	16.2	14.4
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		42.1	44.7	45.5	45.2	45.3
TDS @ 180° *C.*	GPS (500)	571	558	599	646	617
Sulfate (SO4)		263	271	254	302	281
Temperature *(C)*		12.2	8	11.3	11.8	11.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	13.9	12.2	14.3	13.5	13.5
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01

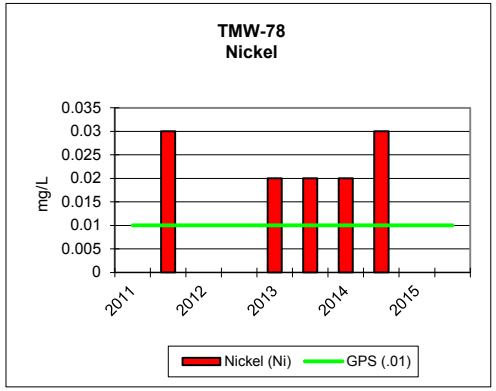

TMW-75
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

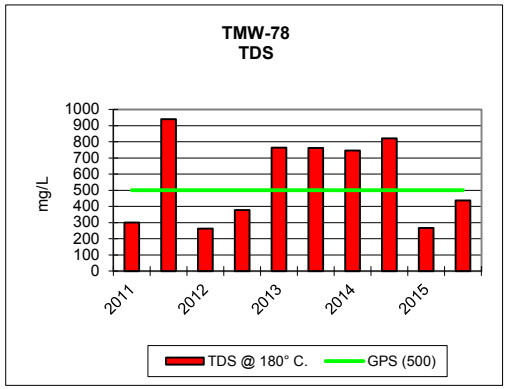

TMW-75
TDS
mg/L
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

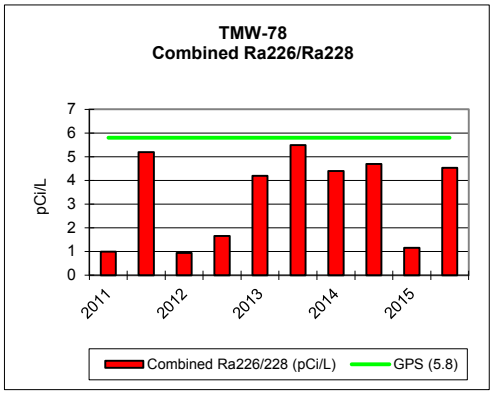

TMW-75
Combined Ra226/Ra228
pCi/L
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

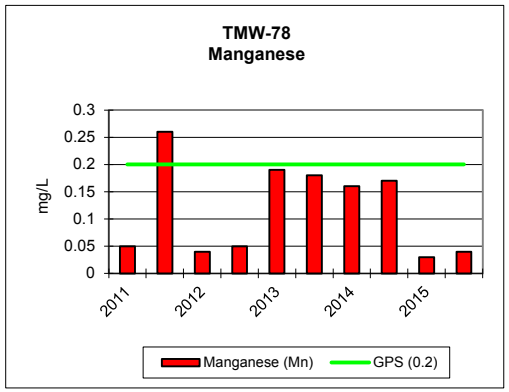
KENNECOTT URANIUM COMPANY											
TMW-78		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/9/2011	11/28/2011	5/2/2012	11/13/2012	4/23/2013	8/19/2013	5/20/2014	9/19/2014	5/12/2015	12/20/2015
TDS A/C Balance *(dec. %)*		2.53	0.12	-3.69	-2.5	-3.64	-0.231	0.51	1.74	0.47	3.04
Alk-CaC03		102	77	101	97	87	88	86	85	101	97
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		124	93	123	118	106	108	105	104	123	118
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		56.1	195	40.9	69.2	145	159	152	172	46.6	82.8
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		5	13	5	6	11	11	11	13	4	7
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	0.012	0.001	0.002	0.009	0.009	0.009	0.01	0.001	0.002
Cond *(umhos/cm)*		434	1220	401	556	1020	999	964	1080	395	
Cond-Field *(umhos/cm)*		476	1218	441	594	1076	1042	858	1145	425	703
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	1.1	2.3	1.2	1.4	1.6	1.5	1.4	1.7	2.8	2.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		6	22.7	5.3	7.9	18.1	18.7	17.6	19.7	5	9.1
Manganese (Mn)	GPS (0.2)	0.05	0.26	0.04	0.05	0.19	0.18	0.16	0.17	0.03	0.04
Mercury (Hg)		0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	0.03	<0.01	<0.01	0.02	0.02	0.02	0.03	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.9	7.48	7.85	7.76	7.5	7.47	7.47	7.38	7.84	7.67
pH Field *(Std Units)*		7.9	7	7.7	7.3	7.3	7.3	6.8	7.3	7.69	7.62
Potassium (K)		2.7	4	2.3	2.6	3.6	4	3.8	4.3	2.4	2.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	1	5.2	0.95	1.66	4.2	5.5	4.4	4.7	1.16	4.53
Radium 226 *(pCi/L)*		0.4	2.2	0.65	0.86	1.8	1.6	1.7	2	0.46	0.83
Radium 228 *(pCi/L)*		0.6	3	0.3	0.8	2.4	3.9	2.7	2.7	0.7	3.7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.8	11.4	14.4	12.8	12.2	11.8	11.7	10.8	13.2	11.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		31.1	37.9	29.6	30.8	36.4	38.1	38.3	38.6	30	31.9
TDS @ 180° *C.*	GPS (500)	300	939	262	378	763	762	746	820	267	437
Sulfate (SO4)		110	548	95	177	440	442	416	497	92	221
Temperature *(C)*		10.7	11.9	11.4	10.8	9.6	13.4	13	9.8	9.5	8.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	9.1	10.8	12.1	10.6	9.2	11.3	10.8	13.9	10.7	9.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01


TMW-78
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

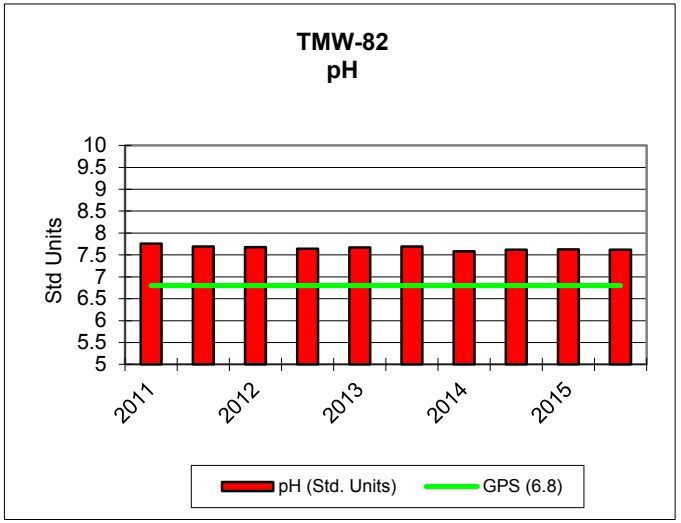

TMW-78
Nickel
mg/L
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

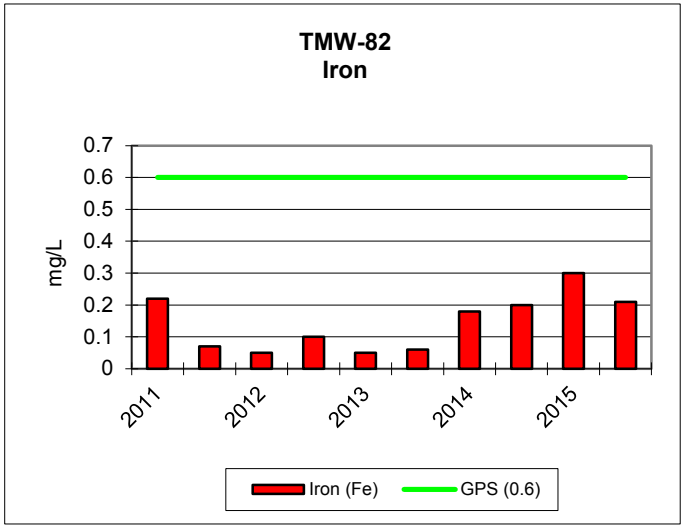

TMW-78
TDS
mg/L
1000
900
800
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

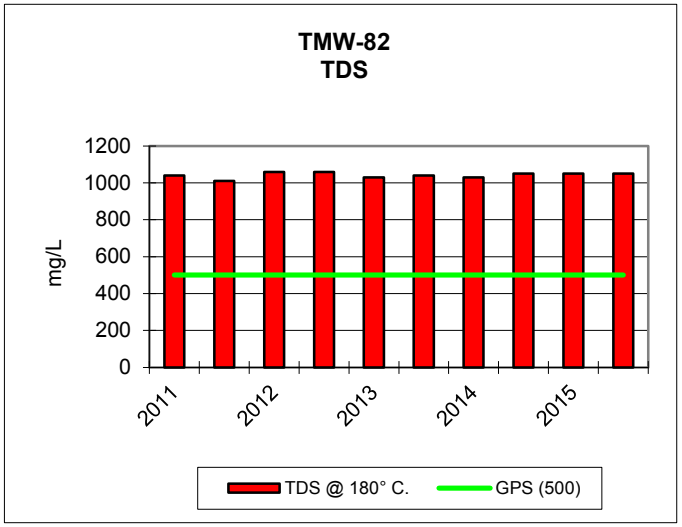

TMW-78
Combined Ra226/Ra228
pCi/L
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

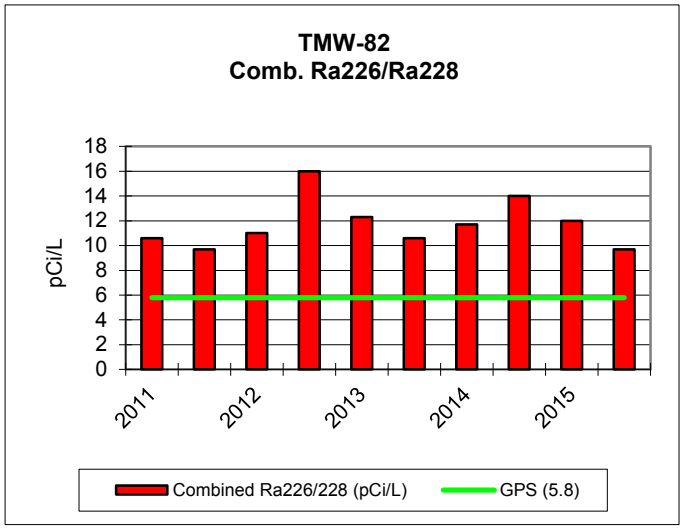

TMW-78
Manganese
mg/L
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

KENNECOTT URANIUM COMPANY											
TMW-82		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/4/2011	11/28/2011	5/1/2012	11/13/2012	4/23/2013	8/6/2013	5/6/2014	8/12/2014	5/12/2015	12/20/2015
TDS A/C Balance *(dec. %)*		-0.0378	2.6	-1.29	-1.62	-2.65	2.99	0.17	1.79	0.97	3.58
Alk-CaC03		98	88	97	96	97	96	96	96	98	99
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		119	108	118	117	119	117	117	117	120	121
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		225	230	217	217	212	226	220	215	224	211
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		25	23	23	25	23	22	23	24	22	23
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1300	1320	1310	1310	1320	1290	1270	1300	1300	1310
Cond-Field *(umhos/cm)*		1346	1323	1318	1334	1363	1402	1399	1297	686	874
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	1.7	2.8	2.6	8	5.4	2.5	6.4	3.1	10.8	10.8
Iron (Fe)	GPS (0.6)	0.22	0.07	0.05	0.1	0.05	0.06	0.18	0.2	0.3	0.21
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	0.1	1.2	-0.09	0.2
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		18.8	18.5	18.9	19.7	18.3	19.6	18.9	18.7	19.2	18.6
Manganese (Mn)	GPS (0.2)	0.11	0.11	0.11	0.1	0.1	0.11	0.1	0.1	0.11	0.1
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.76	7.69	7.68	7.64	7.67	7.69	7.58	7.62	7.63	7.62
pH (Field) *(Std. Units)*		7.6	7.3	7.6	7.43	7.6	7.6	8	8	7.49	7.64
Potassium (K)		4.2	4	4.3	4.2	4.1	4.5	4.4	4.4	4.2	4.1
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	10.6	9.7	11	16	12.3	10.6	11.7	14	12	9.7
Radium 226 *(pCi/L)*		1.8	2.5	3.6	7.1	2.6	2.2	2.4	2.6	2.4	1.9
Radium 228 *(pCi/L)*		8.8	7.2	7.4	8.9	9.7	8.4	9.3	11.4	9.6	7.8
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.3	13.3	15	13.8	13.2	13.7	13.3	13.8	13.4	12.2
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		51.3	50.1	47.3	53.2	50.2	55.6	53.5	54.6	53.2	51.7
TDS @ 180° *C.*	GPS (500)	1040	1010	1060	1060	1030	1040	1030	1050	1050	1050
Sulfate (SO4)		599	581	592	613	603	575	600	611	591	617
Temperature *(C)*		10.7	9.8	11.2	10.7	8.8	11.5	10.4	9.9	8.7	8.3
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	4.6	4.9	4.4	5.1	5	4.8	4.4	4.9	5	4.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01

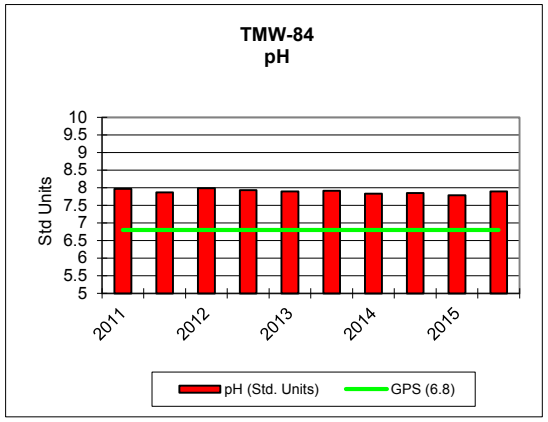

TMW-82
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

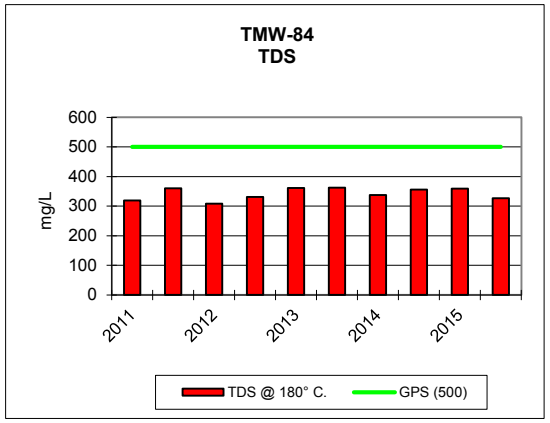

TMW-82
Iron
mg/L
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

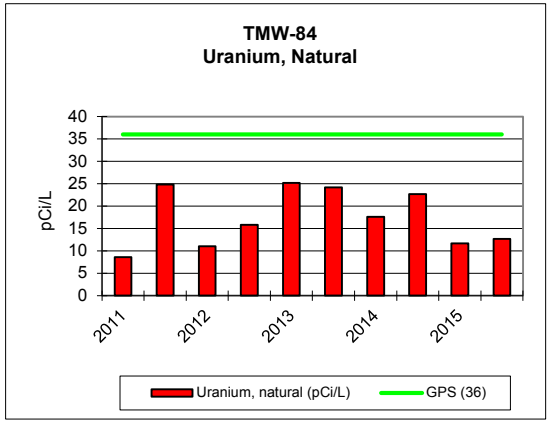

TMW-82
TDS
mg/L
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-82
Comb. Ra226/Ra228
pCi/L
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

KENNECOTT URANIUM COMPANY											
TMW-84		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/9/2011	11/28/2011	5/1/2012	11/13/2012	4/23/2013	8/6/2013	5/6/2014	9/19/2014	5/13/2015	12/20/2015
TDS A/C Balance *(dec. %)*		1.66	-0.819	-3.41	-1.37	-3.27	3.14	0.17	3.08	1.71	0.61
Alk-CaC03		106	99	104	104	108	104	106	108	103	108
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.019	0.032	0.025	0.027	0.034	0.033	0.027	0.031	0.019	0.021
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		129	121	126	127	132	127	129	131	126	132
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		61.8	72.1	52.6	62.8	70.3	77.6	70.2	70.7	74.8	67.6
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		7	9	6	8	8	8	8	9	9	8
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		457	560	457	493	559	550	512	544	534	500
Cond-Field *(umhos/cm)*		508	616	517	524	627	658	636	590	591	545
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	0.9	1	1.2	1.3	2.1	1.1	1.5	1.4	3.1	3.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<0.005	<0.005	<0.005	0.03	<0.005	0.6	<0.005
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		4.1	4.6	3.9	4.2	4.6	5	4.7	4.5	4.7	4.3
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.97	7.87	7.99	7.93	7.9	7.92	7.83	7.85	7.79	7.9
pH (Field) *(Std. Units)*		7.8	7.5	8	7.81	7.9	7.8	8.4	7.9	7.8	7.91
Potassium (K)		2.7	2.8	2.6	2.7	3.2	3.4	3.1	3.1	2.8	3.1
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	1.96	2.01	2.1	3.07	2.9	2.8	3.1	3.1	4.2	3.91
Radium 226 *(pCi/L)*		0.66	0.61	1	0.97	1.2	0.8	1.1	1.2	1	0.81
Radium 228 *(pCi/L)*		1.3	1.4	1.1	2.1	1.7	2	2	1.9	3.2	3.1
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.9	9.2	13.4	11.5	9.8	10.4	10.8	10	12.2	11.4
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		32.6	31.9	31.5	31.5	31.4	36.2	33.5	31.7	35.4	34.5
TDS @ 180° *C.*	GPS (500)	319	360	308	331	361	362	337	356	359	327
Sulfate (SO4)		117	159	116	132	158	157	148	158	155	138
Temperature *(C)*		10.8	11.6	10.5	10.2	9.4	13.2	10	9.7	9.2	8.5
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	8.6	24.8	11	15.8	25.2	24.2	17.6	22.7	11.7	12.7
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

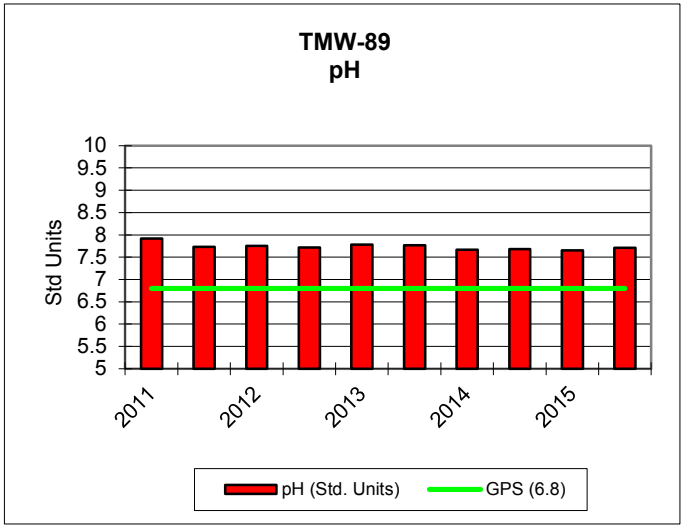

TMW-84
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

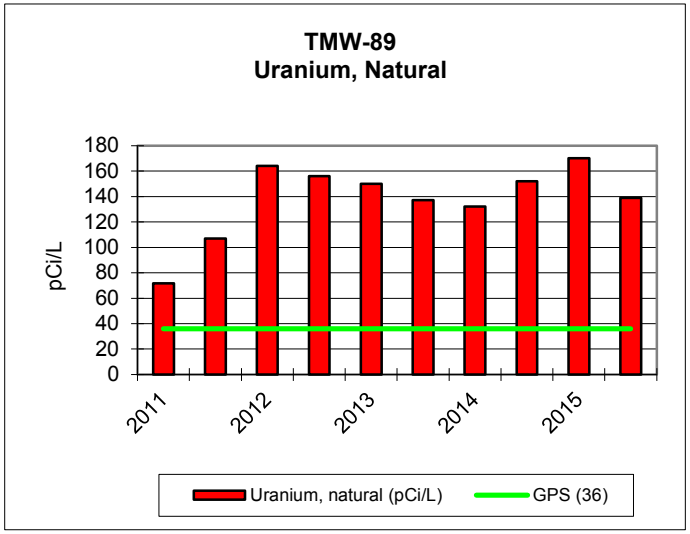

TMW-84
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

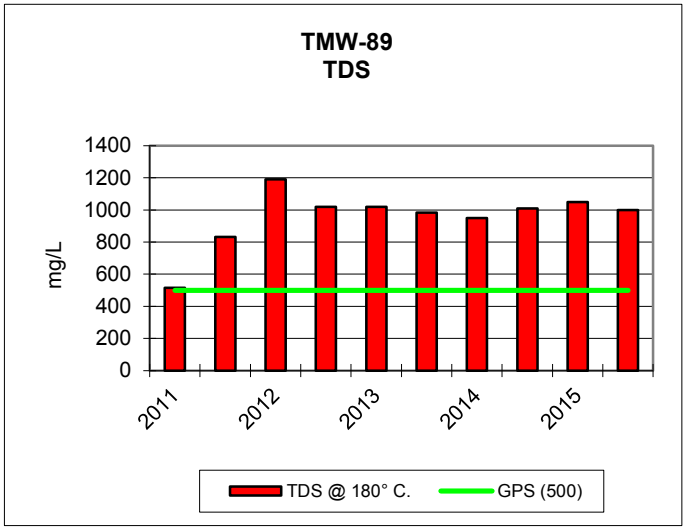

TMW-84
Uranium, Natural
pCi/L
40
35
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

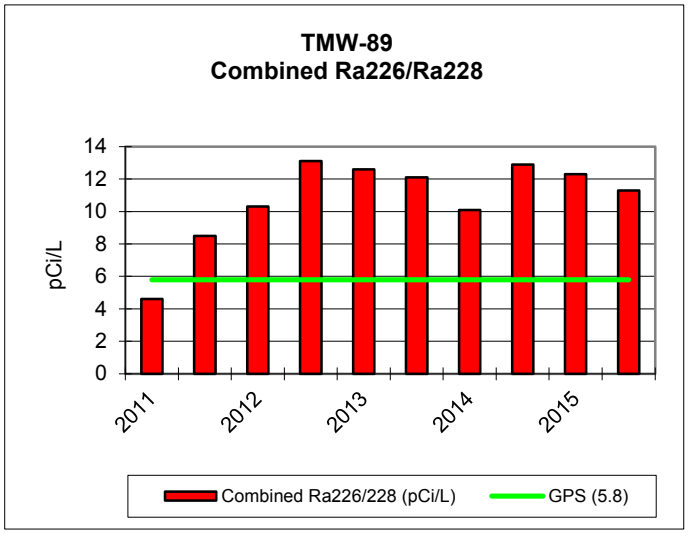
TMW-84

KENNECOTT URANIUM COMPANY											
TMW-89		2011		2012		2013		2014		2015	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/9/2011	11/15/2011	5/2/2012	11/13/2012	4/23/2013	8/6/2013	5/6/2014	9/16/2014	5/12/2015	12/20/2015
TDS A/C Balance *(dec. %)*		1.55	0.27	-0.0103	-1.24	-3.58	0.294	1.6	1.5	0.99	0.1
Alk-CaC03		92	81	72	79	84	98	86	88	92	88
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		113	99	88	97	103	119	105	107	113	107
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		106	172	247	211	206	210	204	214	222	217
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		10	17	24	21	19	18	18	23	18	18
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	0.001	0.002	0.002	0.001	0.002	0.001	0.001	0.001	0.001
Cond *(umhos/cm)*		705	1110	1440	1270	1310	1230	1190	1270	1290	1270
Cond-Field *(umhos/cm)*		782	1109	1414	1288	1325	1334	1165	1286	1350	1362
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.7	3.3	5.4	6.5	6.1	4.9	8	7.9	9.9	17.1
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1	<1	<1	<1	<1	<1	1.5	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		9.4	15.4	22.6	19.7	18.5	19.2	18.7	19.4	21.1	20.3
Manganese (Mn)	GPS (0.2)	0.03	0.05	0.06	0.04	0.06	0.06	0.05	0.05	0.05	0.05
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.92	7.73	7.75	7.72	7.78	7.77	7.67	7.68	7.65	7.71
pH (Field) *(Std. Units)*		7.8	7.7	7.7	7.52	7.7	7.6	8	7.9	7.6	7.71
Potassium (K)		3.6	4.8	5.9	5.1	5.1	5.3	5.3	5.1	5.3	5.1
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	4.6	8.5	10.3	13.1	12.6	12.1	10.1	12.9	12.3	11.3
Radium 226 *(pCi/L)*		1.9	5.7	7.2	5.6	5.1	4.3	4.2	5.4	4.4	4.5
Radium 228 *(pCi/L)*		2.7	2.8	3.1	7.5	7.5	7.8	5.9	7.5	7.9	6.8
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		10.1	8.1	5	5.8	6.4	7.1	7	6.7	5.6	6.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		36.1	45.2	52.9	50.5	46.6	51.5	51.1	50.8	52.1	51.7
TDS @ 180° *C.*	GPS (500)	515	833	1190	1020	1020	983	949	1010	1050	1000
Sulfate (SO4)		257	469	698	607	613	569	590	608	602	603
Temperature *(C)*		11.6	9.9	10.5	11	9.8	13	9.7	10.3	9.3	8.4
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	71.8	107	164	156	150	137	132	152	170	139
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-89
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-89
Uranium, Natural
pCi/L
180
160
140
120
100
80
60
40
20
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

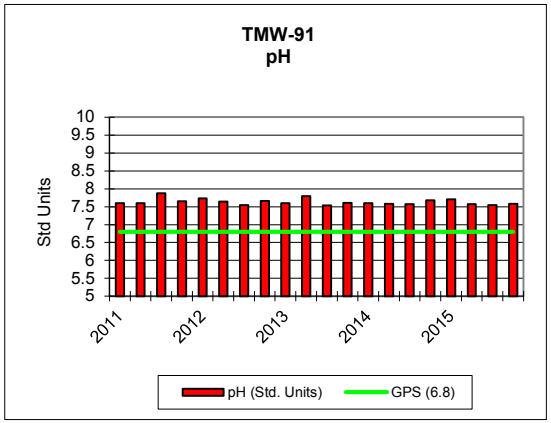

TMW-89
TDS
mg/L
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

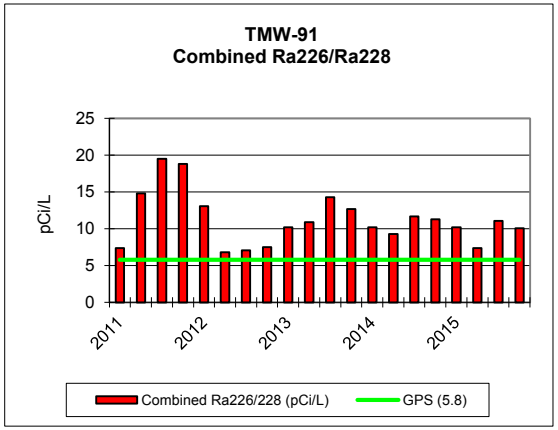

TMW-89
Combined Ra226/Ra228
pCi/L
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

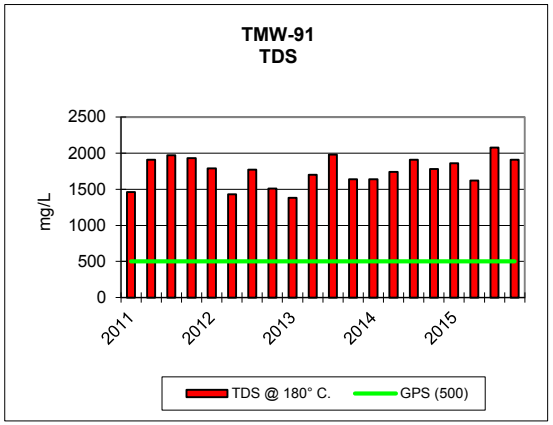
KENNECOTT URANIUM COMPANY													
TMW-90		2004				2005					2006		
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/19/2004	4/6/2004	7/13/2004	10/12/2004	1/19/2005	4/11/2005	7/18/2005	10/5/2005	10/31/2005	1/19/2006	4/4/2006	*Final well sample collected on April 4, 2006. The well was subsequently removed by Catchment Basin excavation.*
TDS A/C Balance *(dec. %)*		1.08	1.03	1.11	1.08	1	1.06	1.06	1.04	0.97	1.19	1.12	
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Aluminum (Al)	**GPS (1.8)**	0.1	<0.1	<0.1	0.1	1.1	0.1	0.4	0.3	1.9	3.9	0.2	
Alk-CaC03		3	6.2	3	3	4	4	1	2	<1	<1	6	
Arsenic (As)	GPS (.05)	<0.001	0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	0.002	
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Boron (B)		0.12	0.11	0.1	0.1	0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.1	
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Calcium (Ca)		195	179	118	150	144	191	183	257	264	268	81.2	
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	
Chloride (Cl)		45.1	36.3	26	30	28	35	29	43	43	47	12	
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Cobalt (Co)		0.071	0.059	0.04	0.005	0.036	0.071	0.067	0.091	0.106	0.137	0.036	
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	
Copper (Cu)		0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.03	0.27	0.03	<0.01	
Cond *(umhos/cm)*		1510	1320	950	1180	1140	1540	1350	1730	1820	2130	747	
Cond-Field *(umhos/cm)*		880	840	580	680	1080	1080	760	780		924	490	
Fluoride (F)		0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	<0.1	0.5	0.2	
Iron (Fe)	**GPS (0.6)**	29.1	25.1	15.1	17.4	36.5	16.7	19.3	13.6	33.8	68.6	21.9	
Gross Alpha *(pCi/L)*	**GPS (15)**	22.2	14.8	10.4	10.8	15.7	12.5	17	13.1	13.4	16	19.8	
Bicarbonate (HCO3)		3.7	7.6	4	4	5	4	2	3	<1	<1	8	
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Potassium (K)		5.7	5.5	4	5.9	4.9	5.8	4.8	5.5	6	6.5	2.8	
Magnesium (Mg)		32.4	29	20	25.2	23	32.7	30	37.9	41.9	42	11.6	
Manganese (Mn)	**GPS (0.2)**	1.2	1.17	0.83	1	0.65	1.52	1.3	1.62	1.92	2	0.64	
Molybdenum (Mo)		<0.01	<0.01	<0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Sodium (Na)		52.3	48.4	40	43	42.7	54.1	55.1	67.9	64.2	71.2	34.3	
Nickel (Ni)	**GPS (.01)**	0.09	0.09	0.05	0.07	0.05	0.09	0.09	0.11	0.13	0.17	0.05	
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<2.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Lead (Pb)		<0.01	<0.01	<0.03	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	
pH *(Std. Units)*	**GPS (6.8)**	4.96	6.22	4.82	5.14	4.73	5.43	4.68	5	4.93	5.02	6.1	
pH (Field) *(Std. Units)*		6.1	5.4	5.1	4.8	3.7	5.2	3.9	4.69		4.68	5.16	
Radium 226 *(pCi/L)*		15.2	13.7	11.5	9.4	14.8	11.4	10	11.8	12.8	12.4	18.8	
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	18.6	29.3	19	18.3	17.3	26.2	20.3	28.5	28	31.8	18.8	
Radium 228 *(pCi/L)*		3.4	15.6	7.5	8.9	2.5	14.8	10.3	16.7	15.4	19.4	<1	
Selenium (Se)	**GPS (.01)**	0.009	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.007	0.025	0.008	
Silica (SiO2)		45.6	44.9	43	44	50	34	50	38	56	50	56	
Sulfate (SO4)		767	662	476	522	529	756	671	904	979	1080	317	
TDS @ 180° *C.*	**GPS (500)**	1190	996	809	887	918	1180	1080	1410	1400	1870	583	
Temperature *(C)*		18	21	33	27	11	18	32	12.7		8.9	13.9	
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	3.7	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Uranium, natural *(pCi/L)*	**GPS (36)**	126	27.8	40.4	42.2	157	52.4	364	138	530	195	63.8	
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Zinc (ZN)		0.66	0.26	0.27	0.34	0.77	0.43	0.036	0.46	0.5	1.77	0.22	
pH		6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	
TDS		500	500	500	500	500	500	500	500	500	500	500	
Aluminum		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
Iron		0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
Manganese		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Nickel		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Selenium		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Gross Alpha		15	15	15	15	15	15	15	15	15	15	15	
Comb. Ra226/Ra228		5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	
Uranium, Natural		36	36	36	36	36	36	36	36	36	36	36	

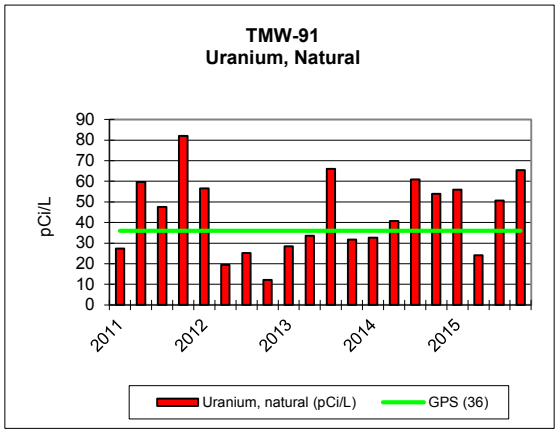
KENNECOTT URANIUM COMPANY																
TMW-91		2011				2012				2013				2014		
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/15/2011	4/18/2011	8/16/2011	10/25/2011	2/7/2012	5/9/2012	8/19/2012	10/23/2012	2/19/2013	4/29/2013	7/23/2013	10/21/2013	1/27/2014	4/22/2014	7/22/2014
TDS A/C Balance *(dec. %)*		1.99	0.475	-1.48	-0.619	-0.756	-1.14	-2.81	2.6	5.05	-1.42	2.88	2.75	0	0.21	2.85
Alk-CaC03		107	121	110	99	120	113	115	114	106	115	113	112	111	110	111
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		131	148	134	121	147	138	140	138	130	140	138	137	135	134	135
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		344	415	425	415	394	305	378	349	330	370	449	357	359	389	444
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		56	71	83	87	75	53	76	60	52	73	83	61	68	74	84
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	0.001	0.002	0.02	<0.001	0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1750	2140	2170	2190	2210	1740	1970	1800	1650	2060	2210	1880	1930	1990	2200
Cond-Field *(umhos/cm)*		2270	1118	2390	2240	1930	1855	2150	1783	2160	2260	2520	2310	2260	2190	2500
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	<0.1	<0.1	0.1	0.1	0.1	0.1	0.1	0.1	<0.1	0.1	0.1	0.1	0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.8	4.8	4.4	4.8	3.4	1.7	2.2	1.8	3.1	3.1	4.3	2.2	3.5	3.6	5.6
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		26.2	32.1	32.2	32.6	31.5	23.2	29	26.8	25.8	29.3	35.3	28.6	28.9	30.2	35.6
Manganese (Mn)	GPS (0.2)	0.1	0.16	0.25	0.2	0.15	0.06	0.12	0.1	0.12	0.13	0.18	0.12	0.11	0.12	0.16
Mercury (Hg)		<0.0002	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.6	7.6	7.88	7.65	7.73	7.64	7.55	7.66	7.6	7.8	7.54	7.61	7.6	7.58	7.57
pH (Field) *(Std. Units)*		7.5	7.4	7.2	7.2	7.8	7.9	7.5	7.62	7.4	8	7.53	7.9	8.2	7.4	7.1
Potassium (K)		5.4	5.6	5.7	5.6	5.4	4.7	6	5.3	5.3	5.3	5.8	5.6	5.1	5.8	6.2
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	7.4	14.8	19.5	18.8	13.1	6.8	7.1	7.5	10.2	10.9	14.3	12.7	10.2	9.3	11.7
Radium 226 *(pCi/L)*		2	4.5	6.7	5.4	4.3	2.7	2.1	1.5	2.1	3.3	2.9	3.1	2.2	2.5	2.7
Radium 228 *(pCi/L)*		5.4	10.3	12.8	13.4	8.8	4.1	5	6	8.1	7.6	11.4	9.6	8	6.8	9
Selenium (Se)	GPS (.01)	0.003	0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.002	<0.001	0.001	<0.001	0.002	<0.001	<0.001
Silica (SiO2)		10.5	9.6	10.7	10.7	9.5	9.8	12.4	11.9	10.1	10.3	9.6	11.2	9.8	10.5	10
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		71.9	84.7	80.9	81.5	79.3	64.7	76.6	71.6	71.2	76.1	88.6	74.2	78	82.1	90.6
TDS @ 180° *C.*	GPS (500)	1460	1910	1970	1930	1790	1430	1770	1510	1380	1700	1980	1640	1640	1740	1910
Sulfate (SO4)		863	1080	1140	1100	1040	804	1040	853	775	992	1110	879	946	1020	1100
Temperature *(C)*		9.1	11.6	16.2	12.8	9.2	13.8	15.5	7	9.3	10.1	10.9	12.8	6.1	11.2	12
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.01	0.04	0.06	0.05	0.02	0.02	0.2	<0.2	0.03	0.05	0.04	0.03	0.03	0.03	0.1
Uranium, natural *(pCi/L)*	GPS (36)	27.3	59.7	47.6	82.1	56.5	19.4	25.2	12.1	28.4	33.6	66.1	31.7	32.6	40.8	60.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (ZN)		0.08	0.03	<0.01	0.03	0.05	0.04	0.02	0.02	0.04	0.04	0.01	0.05	0.04	0.03	0.04

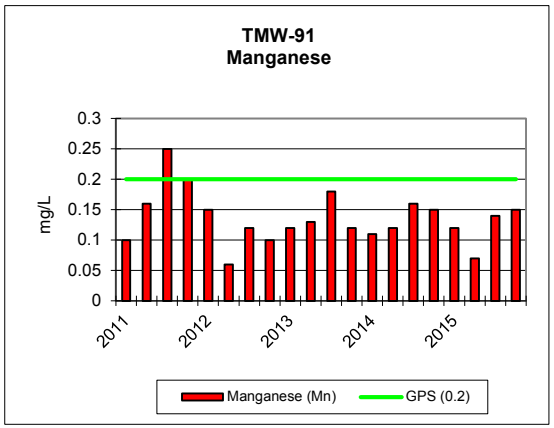
KENNECOTT URANIUM COMPANY						
TMW-91			2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	10/28/2014	1/26/2015	4/28/2015	7/21/2015	12/1/2015
TDS A/C Balance *(dec. %)*		0.37	0.91	1.3	3.9	1.9
Alk-CaC03		111	111	106	110	101
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		135	135	129	134	123
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		394	398	335	420	436
Carbonate (CO3)		<1	<1	<1	<1	<1
Chloride (Cl)		77	80	68	95	88
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		2100	2130	1930	2350	2220
Cond-Field *(umhos/cm)*		2160	2260	1868	2380	2500
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.2	0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.4	6.4	5.2	9.9	8.5
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		31.5	30.9	26.2	32.5	35.9
Manganese (Mn)	GPS (0.2)	0.15	0.12	0.07	0.14	0.15
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.68	7.71	7.57	7.55	7.58
pH (Field) *(Std. Units)*		7.56	8.05	7.52	7.24	7.55
Potassium (K)		6	5.8	5.7	5.3	6.1
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	11.3	10.2	7.4	11.1	10.1
Radium 226 *(pCi/L)*		2.6	2.9	2.2	3	3.1
Radium 228 *(pCi/L)*		8.7	7.3	5.2	8.1	7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	0.001
Silica (SiO2)		9.6	9.2	10.1	10.7	9.5
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		84.9	86.6	75.9	88.1	92
TDS @ 180° *C.*	GPS (500)	1780	1860	1620	2080	1910
Sulfate (SO4)		1030	1070	906	1200	1120
Temperature *(C)*		10.3	9.6	10.6	10.6	7.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.1	0.05	0.04	0.1	0.02
Uranium, natural *(pCi/L)*	GPS (36)	54	55.9	24.1	50.6	65.4
Vanadium (V205)		<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (ZN)		0.08	0.11	0.14	0.03	0.06


TMW-91
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-91
Combined Ra226/Ra228
pCi/L
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)


TMW-91
TDS
mg/L
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

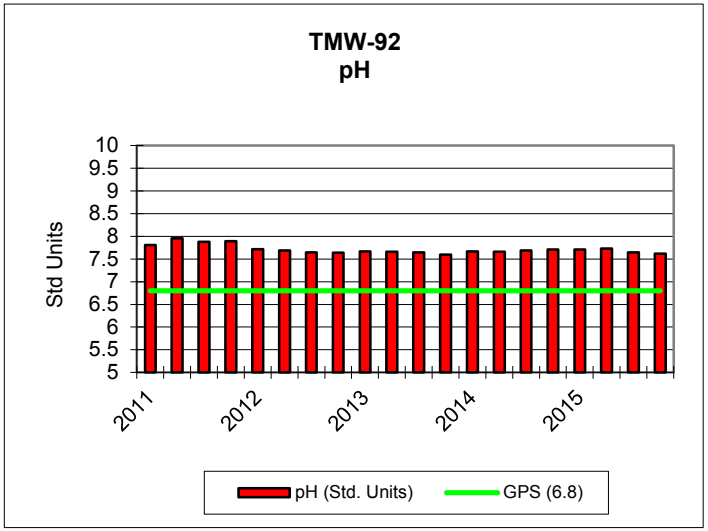

TMW-91
Uranium, Natural
pCi/L
90
80
70
60
50
40
30
20
10
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

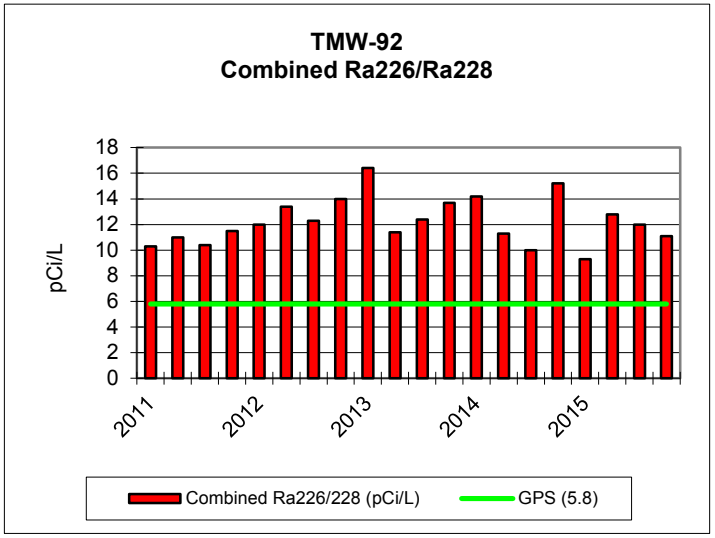

TMW-91
Manganese
mg/L
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

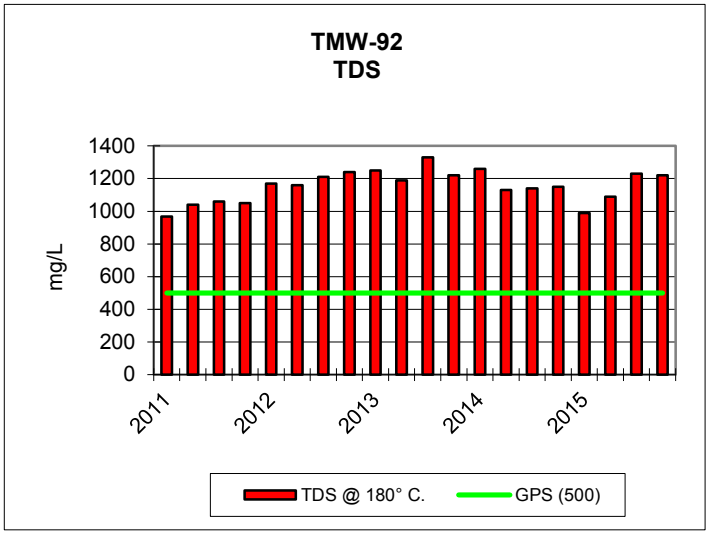
Graphs

KENNECOTT URANIUM COMPANY																
TMW-92		2011				2012				2013				2014		
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/28/2011	6/19/2011	9/11/2011	11/7/2011	3/5/2012	5/8/2012	9/24/2012	11/5/2012	1/29/2013	6/11/2013	9/10/2013	10/29/2013	1/27/2014	5/20/2014	7/22/2014
TDS A/C Balance *(dec. %)*		-0.462	-3.32	0.281	-0.919	-0.572	-3.83	-4.17	0.591	1.65	2.06	-0.537	1.43	1.73	1.02	1.72
Alk-CaC03		116	111	100	102	101	103	105	102	104	98	105	103	104	107	108
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		141	135	122	124	123	126	129	124	126	120	128	126	127	130	132
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		215	210	238	235	254	238	238	271	284	264	279	272	282	245	260
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		24	26	27	28	31	45	34	36	39	33	36	34	40	32	30
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1240	1280	1310	1390	1410	1450	1490	1480	1530	1450	1540	1500	1530	1380	1430
Cond-Field *(umhos/cm)*		1179	1337	1367	1430	1989	1447	1520	1566	1546	1509	1652	1548	1671	1495	1099
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<0.1	0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.8	5.9	2.9	2.3	4.7	3.8	3.8	5.5	5.2	4.5	3.8	5.8	5.6	3.9	5.9
Iron (Fe)	GPS (0.6)	0.06	<0.05	0.11	0.06	0.07	0.13	0.09	<0.05	<0.05	0.12	0.16	0.11	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		14.2	14.7	15.9	15.9	17	15.5	17	18.7	20.2	17.9	18.3	19.6	19.6	16.8	17.3
Manganese (Mn)	GPS (0.2)	0.16	0.17	0.15	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.18	0.2	0.16	0.17
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.81	7.96	7.88	7.89	7.72	7.69	7.65	7.64	7.67	7.66	7.65	7.6	7.67	7.66	7.69
pH (Field) *(Std. Units)*		7.3	7.7	7.6	7.7	7.9	7.5	7.69	7.63	7.67	7.7	7	7.8	7.7	8.7	7.9
Potassium (K)		4.4	4.2	4.6	4.2	4.8	4.1	4	4.3	4.8	4.6	4.7	4.7	4.4	4.4	4.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	10.3	11	10.4	11.5	12	13.4	12.3	14	16.4	11.4	12.4	13.7	14.2	11.3	10
Radium 226 *(pCi/L)*		2.9	2.7	3.2	3.7	3.5	3.9	3.3	3.1	3.3	2.9	3	3.5	3.4	3.6	2.7
Radium 228 *(pCi/L)*		7.4	8.3	7.2	7.8	8.5	9.5	9	10.9	13.1	8.5	9.4	10.2	10.8	7.7	7.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.5	14.2	15.4	13.3	14.4	11.4	14.9	14.1	14.2	13.1	12.6	14.3	12.9	13.2	13
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		56	54.2	55.6	57.9	60.1	52.2	55.5	66	63.3	62.2	59	61.4	65.7	59.4	61.3
TDS @ 180° *C.*	GPS (500)	968	1040	1060	1050	1170	1160	1210	1240	1250	1190	1330	1220	1260	1130	1140
Sulfate (SO4)		556	584	618	631	679	645	678	709	717	665	731	693	712	654	653
Temperature *(C)*		10.9	11.4	11.6	10.8	9.7	10.7	10.9	9.4	10.6	12.6	11	11.2	7.2	10.2	13.4
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	-0.006	0.06	0.004	0.004	0.02	0.09	0.1	0.2	0.1	0.03	0.1
Uranium, natural *(pCi/L)*	GPS (36)	6.5	5.6	5.2	8.9	6.6	5.3	15.2	7.5	7.1	8.1	8.3	7.1	9.9	7.6	7.1
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY						
TMW-92			2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	11/11/2014	3/23/2015	6/1/2015	9/14/2015	12/14/2015
TDS A/C Balance *(dec. %)*		0.84	1.62	0.11	0.52	1.68
Alk-CaC03		103	107	107	100	101
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		126	130	131	123	124
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		259	247	235	271	270
Carbonate (CO3)		<1	<1	<1	<1	<1
Chloride (Cl)		34	30	28	33	35
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1480	1370	1350	1560	1510
Cond-Field *(umhos/cm)*		1525	2500	804	799	1613
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	<0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.6	15.2	24.7	8.9	9.7
Iron (Fe)	GPS (0.6)	0.05	0.16	0.15	0.12	0.17
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		17.5	16.4	16.1	18.7	18.8
Manganese (Mn)	GPS (0.2)	0.17	0.16	0.15	0.17	0.19
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.71	7.71	7.73	7.65	7.62
pH (Field) *(Std. Units)*		7.64	7.69	7.63	7.67	7.73
Potassium (K)		4.8	4.6	4.6	4.6	4.6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	15.2	9.3	12.8	12	11.1
Radium 226 *(pCi/L)*		4.6	3.1	3.3	4	3.3
Radium 228 *(pCi/L)*		10.6	6.2	9.5	8	7.8
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.1	13.2	13.5	13.4	13.4
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		61.5	58.3	59.9	62.5	61.9
TDS @ 180° *C.*	GPS (500)	1150	990	1090	1230	1220
Sulfate (SO4)		694	615	615	710	682
Temperature *(C)*		8.5	8.8	10.6	10.4	7.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	0.02	0.09	0.3	0.03
Uranium, natural *(pCi/L)*	GPS (36)	8.5	7.6	8	6.9	6.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01

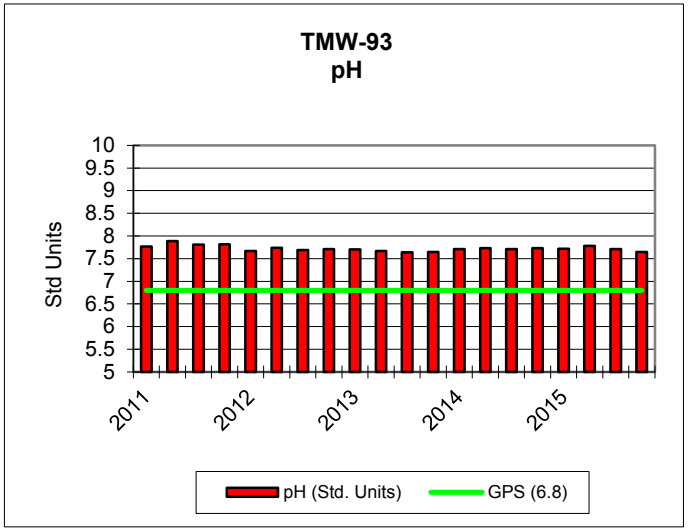

TMW-92
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

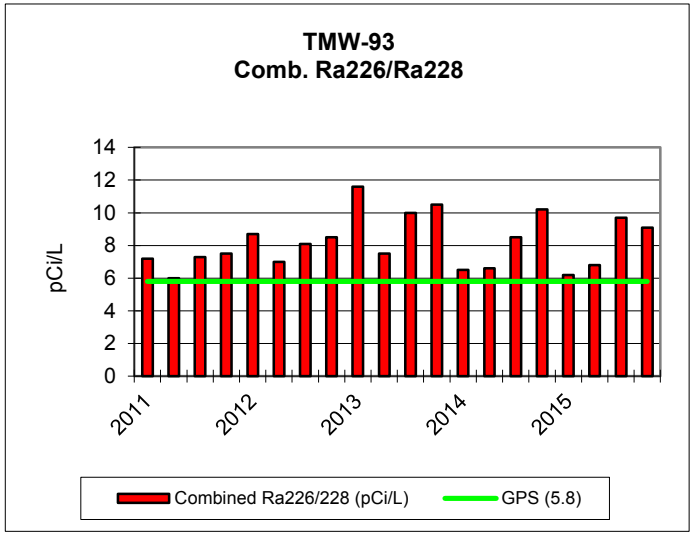

TMW-92
Combined Ra226/Ra228
pCi/L
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

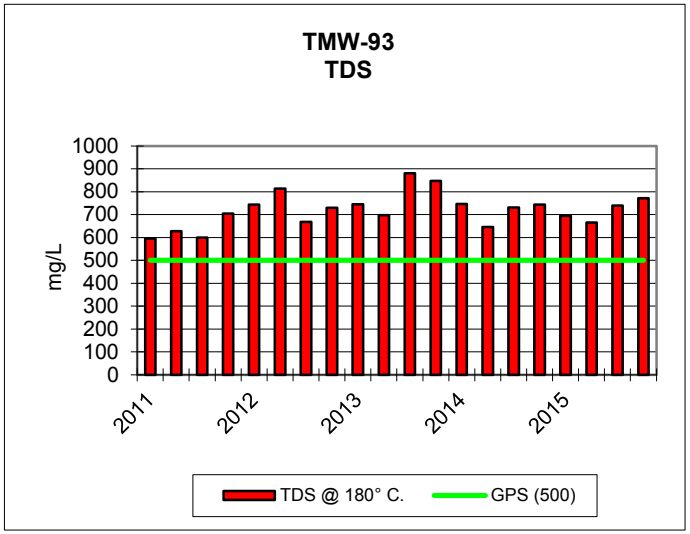

TMW-92
TDS
mg/L
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

KENNECOTT URANIUM COMPANY														
TMW-93		2011				2012				2013				2014
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/15/2011	6/19/2011	9/19/2011	11/14/2011	3/7/2012	5/7/2012	9/24/2012	11/5/2012	1/29/2013	6/10/2013	9/9/2013	10/21/2013	2/24/2014
TDS A/C Balance *(dec. %)*		-2.05	-2.87	2.34	1.52	-0.623	-4.84	-0.602	2.78	2.66	0.627	0.264	1.83	2.03
Alk-CaC03		139	136	127	137	144	152	147	146	148	142	158	168	150
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		169	166	155	167	175	186	179	178	181	174	193	205	183
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		125	123	128	153	162	159	145	164	170	149	185	188	157
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		11	12	11	14	15	17	13	15	14	14	17	17	15
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		841	846	812	980	975	1090	933	961	1010	930	1110	1130	1020
Cond-Field *(umhos/cm)*		876	891	833	1006	1054	1141	960	1010	1017	990	1265	1210	1057
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.4	3.2	1.3	2.1	2.1	2.5	2.3	2.7	3.8	4	2.7	3.6	4.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.7	-0.2	-0.03	-0.2	-0.3	-0.2	0.5	0.8	0.4	0.8	-0.03	0.3	0.6
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		8.8	9.5	9.4	10.8	10.3	11.1	10	11.6	11.7	10.3	11.8	13	11.2
Manganese (Mn)	GPS (0.2)	0.07	0.08	0.07	0.1	0.1	0.11	0.1	0.11	0.1	0.1	0.14	0.15	0.1
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.77	7.89	7.81	7.82	7.67	7.74	7.69	7.71	7.7	7.67	7.64	7.65	7.71
pH (Field) *(Std. Units)*		7.7	7.5	7.6	7.6	7.7	7.6	7.77	7.67	7.65	6.6	7	7.9	7.8
Potassium (K)		3.4	3.4	3.5	3.7	4	3.6	3.5	3.4	3.8	3.5	3.9	4.2	3.6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	7.2	6	7.3	7.5	8.7	7	8.1	8.5	11.6	7.5	10	10.5	6.5
Radium 226 *(pCi/L)*		2.1	1.5	1.6	2.5	2.9	2.1	2.2	1.8	3	1.8	2.3	3.3	2.2
Radium 228 *(pCi/L)*		5.1	4.5	5.7	5	5.8	4.9	5.9	6.7	8.6	5.7	7.7	7.2	4.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.1	13.5	15	15	12.7	13.8	14.2	15.5	16	13.9	14.9	15.9	13.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		41.4	42.8	43.7	47.5	44.5	46.8	46	55.2	50.1	48.3	52	55.4	50.1
TDS @ 180° *C.*	GPS (500)	595	628	599	704	743	813	668	730	745	697	880	847	746
Sulfate (SO4)		295	304	283	348	374	410	336	367	372	342	426	416	388
Temperature *(C)*		11.4	10.4	11.6	10.6	10.4	10.4	11	11.1	11.7	13.7	11.1	9.8	9.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	0.06	<0.2	0.03	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	7.8	7.4	7.5	8	8.6	6.1	8.2	7.1	5.5	5.9	5.1	5.4	7.1
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02

KENNECOTT URANIUM COMPANY								
TMW-93					2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	4/28/2014	8/26/2014	11/12/2014	3/23/2015	6/1/2015	9/14/2015	12/14/2015
TDS A/C Balance *(dec. %)*		0.52	0.84	0.69	3.34	0.86	1.03	1.61
Alk-CaC03		142	146	150	144	141	142	147
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		173	179	183	176	172	174	179
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		135	155	162	148	142	162	171
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		13	16	16	16	13	15	18
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		864	986	1020	1010	912	1020	1050
Cond-Field *(umhos/cm)*		1017	1018	1018	1661	779	801	1202
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.2	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.7	2.1	3.7	12.2	33.2	7.7	11.6
Iron (Fe)	GPS (0.6)	<0.05	<0.05	0.06	<0.05	<0.05	0.07	0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	-0.009	-0.04	0.04	-0.4	0.4	0.5	-0.05
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		9.6	10.8	10.9	10.9	10.3	11.3	11.7
Manganese (Mn)	GPS (0.2)	0.08	0.11	0.1	0.1	0.08	0.11	0.12
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.73	7.71	7.73	7.72	7.78	7.71	7.65
pH (Field) *(Std. Units)*		8	7.8	7.8	7.7	7.74	7.81	7.61
Potassium (K)		3.6	3.7	3.8	3.5	3.5	3.8	4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.6	8.5	10.2	6.2	6.8	9.7	9.1
Radium 226 *(pCi/L)*		1.8	2.2	3.1	2.3	2.4	2.6	2.8
Radium 228 *(pCi/L)*		4.8	6.3	7.1	3.9	4.4	7.1	6.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.2	14.4	14.4	13.7	13.6	14.5	15.3
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		46.1	49.5	50.3	47.1	48.7	50.7	52.4
TDS @ 180° *C.*	GPS (500)	646	731	744	694	665	740	772
Sulfate (SO4)		313	370	382	376	324	374	388
Temperature *(C)*		9.5	10.6	8.4	8.9	9.8	9.9	8.3
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02
Thorium 230 *(pCi/L:)*		<0.2	<0.2	0.2	<0.2	<0.2	0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	6.5	5.5	6.6	7	6.9	4.9	4.6
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

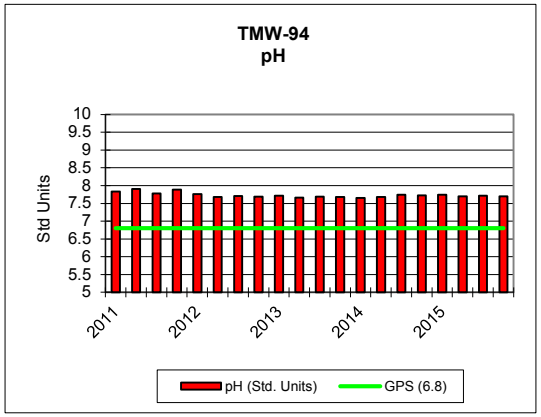

TMW-93
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

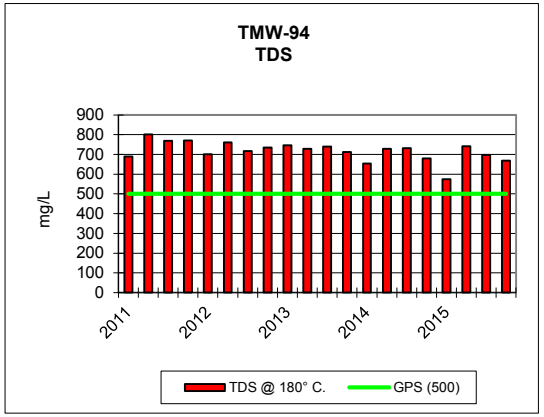

TMW-93
Comb. Ra226/Ra228
pCi/L
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

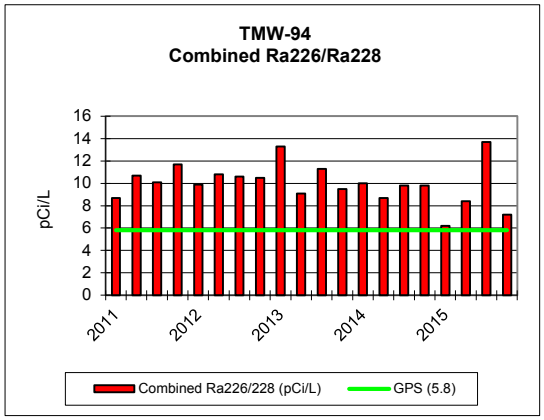

TMW-93
TDS
mg/L
1000
900
800
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

KENNECOTT URANIUM COMPANY														
TMW-94		2011				2012				2013				2014
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/8/2011	6/19/2011	9/19/2011	11/14/2011	3/5/2012	5/8/2012	9/24/2012	11/5/2012	1/29/2013	6/10/2013	9/9/2013	10/21/2013	2/4/2014
TDS A/C Balance *(dec. %)*		-1.45	-3.97	0.421	0.908	-0.354	-4.43	0.249	0.855	2.75	0.575	-1.09	2	1.53
Alk-CaC03		142	145	134	135	137	145	142	140	144	141	144	145	137
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		173	177	163	165	167	176	173	170	175	172	175	177	168
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		151	158	169	171	158	146	156	163	171	155	153	156	142
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		13	15	16	15	14	14	14	14	13	14	13	13	12
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		950	1040	1020	1060	963	1030	986	971	1000	973	961	965	909
Cond-Field *(umhos/cm)*		978	1079	1027	1104	1022	1036	1006	1020	1029	1029	1094	1042	942
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.8	4.3	2.6	3.1	3.6	3.1	2.9	3.9	4.2	4.4	2.8	3.4	3
Iron (Fe)	GPS (0.6)	0.09	<0.05	<0.05	<0.05	<0.05	0.14	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	0.06
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		9.5	10.7	10.8	10.8	9.8	9.4	9.8	10.5	10.6	9.8	9.1	9.4	8.9
Manganese (Mn)	GPS (0.2)	0.1	0.12	0.11	0.12	0.1	0.11	0.11	0.11	0.11	0.1	0.1	0.1	0.07
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.83	7.91	7.78	7.89	7.76	7.68	7.71	7.69	7.72	7.66	7.69	7.68	7.65
pH (Field) *(Std. Units)*		7.4	7.5	7.7	7.6	7.8	7.5	7.63	7.56	7.62	7.6	7	8	7.8
Potassium (K)		3.8	3.8	4	3.9	4	3.5	3.6	3.9	3.9	3.6	3.8	3.8	3.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	8.7	10.7	10.1	11.7	9.9	10.8	10.6	10.5	13.3	9.1	11.3	9.5	10
Radium 226 *(pCi/L)*		2.3	2.8	2.6	3.8	2.4	3.5	2.9	2.4	3.8	2.8	2.6	3.1	2.3
Radium 228 *(pCi/L)*		6.4	7.9	7.5	7.9	7.5	7.3	7.7	8.1	9.5	6.3	8.7	6.4	7.7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		18.3	16.3	17.2	17.1	17.2	14	15.3	16.7	17.8	15.6	15.3	16.5	15.4
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		48.5	48.4	50.4	50.2	49.8	45.6	47.2	51.4	50.4	48.6	46.1	49.2	46.8
TDS @ 180° *C.*	GPS (500)	689	802	769	771	701	760	717	735	747	728	740	712	654
Sulfate (SO4)		365	409	404	401	379	374	359	382	377	357	359	341	315
Temperature *(C)*		9.2	10.7	13.2	10.9	11.6	10.8	12.1	11.5	11	13.5	11.5	9.6	8.2
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	3	3.5	4	4.1	3	2.6	4.4	3.7	2.7	3.1	2.7	2.3	3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY								
TMW-94					2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	4/28/2014	8/26/2014	11/11/2014	3/23/2015	6/1/2015	9/14/2015	12/14/2015
TDS A/C Balance *(dec. %)*		0.45	0.68	2.26	0.88	1.14	0.96	0.19
Alk-CaC03		141	141	141	135	140	134	137
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		171	172	173	164	171	163	167
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		157	156	143	146	163	153	145
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		15	15	14	13	14	14	14
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		969	982	946	919	1010	976	923
Cond-Field *(umhos/cm)*		1105	998	981	1664	612	599	991
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	0.1	0.1	0.1	0.1	0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.5	2.5	3	12.6	47	8.2	8.8
Iron (Fe)	GPS (0.6)	<0.05	0.08	0.12	0.1	0.13	0.08	0.11
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		10.2	10.1	8.8	9.3	10.7	9.8	9
Manganese (Mn)	GPS (0.2)	0.09	0.11	0.09	0.08	0.1	0.1	0.1
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.68	7.74	7.73	7.74	7.7	7.72	7.7
pH (Field) *(Std. Units)*		8	7.9	7.71	7.72	7.73	7.79	7.65
Potassium (K)		3.8	3.8	3.5	3.7	3.9	3.7	3.7
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	8.7	9.8	9.8	6.2	8.4	13.7	7.2
Radium 226 *(pCi/L)*		2.3	2.7	3.9	2.5	2.5	3.1	2.4
Radium 228 *(pCi/L)*		6.4	7.1	5.9	3.7	5.9	10.6	4.8
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.4	15.6	15.3	15.1	16	15.8	16.1
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		49.5	49.4	46.1	47.8	53.3	49.5	47.6
TDS @ 180° *C.*	GPS (500)	728	732	680	575	742	697	669
Sulfate (SO4)		374	374	345	334	383	357	337
Temperature *(C)*		9.2	10.4	8.9	9	10.3	10.1	7.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	0.3	<0.2	<0.2	0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	3.3	3.3	3.2	3.3	3.9	3.1	2.5
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-94
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

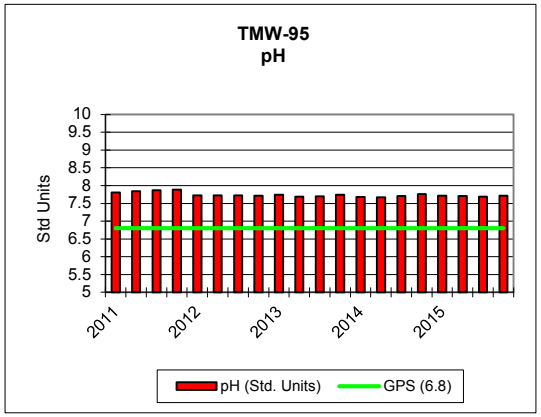

TMW-94
TDS
mg/L
900
800
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

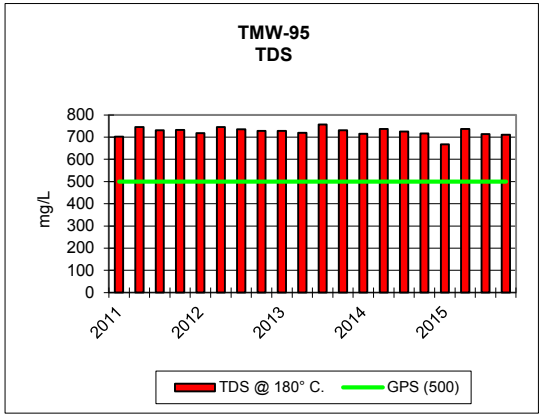

TMW-94
Combined Ra226/Ra228
pCi/L
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

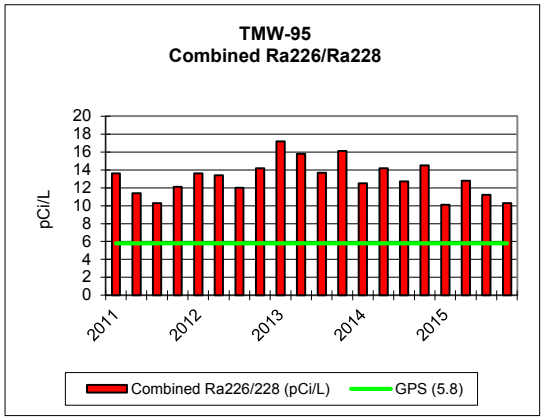
TMW-94

KENNECOTT URANIUM COMPANY														
TMW-95		2011				2012				2013				2014
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/8/2011	6/19/2011	9/20/2011	11/14/2011	2/6/2012	5/8/2012	9/24/2012	11/5/2012	1/29/2013	6/10/2013	9/9/2013	10/21/2013	2/4/2014
TDS A/C Balance *(dec. %)*		-0.682	-2.58	0.844	1.18	-3.18	2.41	-0.445	1.28	4.33	1.99	-0.409	3.22	0.95
Alk-CaC03		139	137	128	129	135	139	144	139	141	140	143	145	141
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		170	167	156	158	164	170	175	170	172	170	174	176	172
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		160	151	162	159	153	147	160	168	176	157	157	165	151
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		15	15	15	15	15	13	15	16	15	14	15	14	15
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		959	974	970	1010	1030	1000	999	978	994	969	978	985	981
Cond-Field *(umhos/cm)*		982	1026	1050	1050	1034	1030	1014	1022	1000	1034	1111	1058	1012
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.1	5.8	3.6	3.2	5.6	4.5	4.3	6.3	6.4	6.2	3.7	4.7	4.7
Iron (Fe)	GPS (0.6)	0.08	<0.05	0.16	0.06	0.08	0.12	<0.05	<0.05	<0.05	0.07	0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		8.8	8.9	8.9	8.8	8.5	8.5	8.8	9.5	9.7	8.9	8.6	9.1	8.5
Manganese (Mn)	GPS (0.2)	0.1	0.07	0.09	0.1	0.1	0.1	0.1	0.1	0.11	0.09	0.09	0.1	0.09
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.81	7.84	7.87	7.89	7.73	7.73	7.73	7.72	7.74	7.69	7.7	7.74	7.68
pH (Field) *(Std. Units)*		7.5	7.7	7.4	7.6	7.6	7.6	7.68	7.64	7.73	7.7	7.2	8	7.8
Potassium (K)		3.9	3.9	3.8	4	3.5	3.5	3.7	3.6	3.9	3.6	3.9	4	3.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	13.6	11.4	10.3	12.1	13.6	13.4	12	14.2	17.2	15.8	13.7	16.1	12.5
Radium 226 *(pCi/L)*		4.1	3.9	3.4	5.3	4.7	4.8	4.2	3.9	5.5	3.9	3.2	4.3	3.5
Radium 228 *(pCi/L)*		9.5	7.5	6.9	6.8	8.9	8.6	7.8	10.3	11.7	11.9	10.5	11.8	9
Selenium (Se)	GPS (.01)	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		17.3	16.7	17.5	16.6	14.9	14.9	14.9	16.9	17.8	15.4	15	16.5	14.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		47.6	48.2	49.6	49.1	45	46.2	47.6	48.4	50.7	49.1	47	48.5	47.5
TDS @ 180° *C.*	GPS (500)	702	745	731	732	718	746	735	728	728	720	757	731	715
Sulfate (SO4)		376	376	380	367	380	313	369	377	368	344	359	345	352
Temperature *(C)*		9.9	11.3	11.1	10.8	10.8	11.4	12.5	11.7	11.4	13	11.2	10.1	8.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.09	0.06	0.06	0.04	0.03	0.04	<0.02	<0.02	0.2	0.2	0.1	<0.02	0.05
Uranium, natural *(pCi/L)*	GPS (36)	1.8	0.7	2.1	2.1	3.3	1.7	2.7	2.1	1.8	1.8	1.8	1.7	2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY								
TMW-95					2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	4/28/2014	8/26/2014	11/12/2014	3/23/2015	6/1/2015	9/14/2015	12/14/2015
TDS A/C Balance *(dec. %)*		1.42	1.15	0.75	4.6	2.34	1.74	1.42
Alk-CaC03		142	142	145	151	140	136	135
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		173	174	177	184	171	166	165
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		158	156	160	147	162	158	156
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		16	16	16	16	15	15	16
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		972	976	985	994	987	996	967
Cond-Field *(umhos/cm)*		1089	985	1013	1757	1055	1021	641
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		ND	0.1	0.1	0.1	0.1	0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	6.1	5.3	4.4	13.4	0.03	11.9	12.9
Iron (Fe)	GPS (0.6)	<0.05	0.13	0.15	0.15	0.15	0.09	0.13
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	-0.3	0.6	0.2	0.8
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		9	9	9	8.4	9.2	9.1	8.8
Manganese (Mn)	GPS (0.2)	0.09	0.1	0.1	0.09	0.1	0.09	0.1
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.67	7.71	7.76	7.72	7.71	7.69	7.72
pH (Field) *(Std. Units)*		7.8	8	7.5	7.79	7.76	7.77	7.7
Potassium (K)		3.8	3.7	3.8	3.6	3.8	3.8	3.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	14.2	12.7	14.5	10.1	12.8	11.2	10.3
Radium 226 *(pCi/L)*		3.5	4	4.8	4	4.3	4.4	3.6
Radium 228 *(pCi/L)*		10.7	8.7	9.7	6.1	8.5	6.8	6.7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.5	15.8	15.9	15.6	16.5	15.9	16.2
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		49.1	49.4	49.5	45.7	53.5	50.3	49.5
TDS @ 180° *C.*	GPS (500)	737	725	716	668	737	714	711
Sulfate (SO4)		378	371	359	366	361	356	350
Temperature *(C)*		9.2	11.5	7.2	8.9	10.2	10.3	8.2
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.02	<0.02	0.2	0.07	0.02	0.1	0.02
Uranium, natural *(pCi/L)*	GPS (36)	1.9	1.8	2	1.6	1.7	1.5	1.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

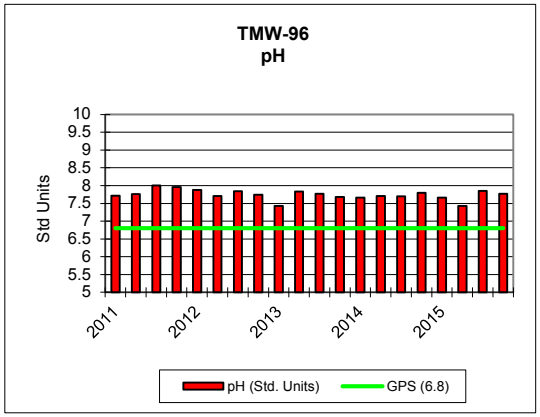

TMW-95
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

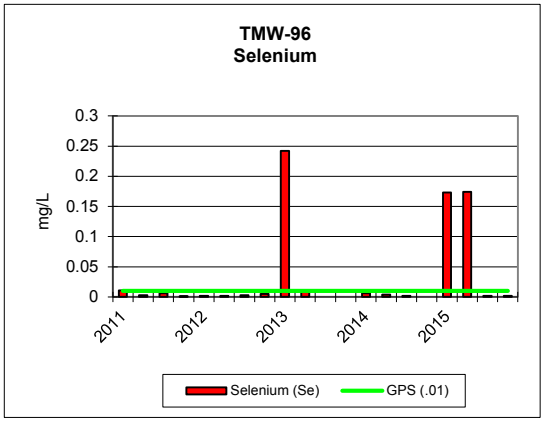

TMW-95
TDS
mg/L
800
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

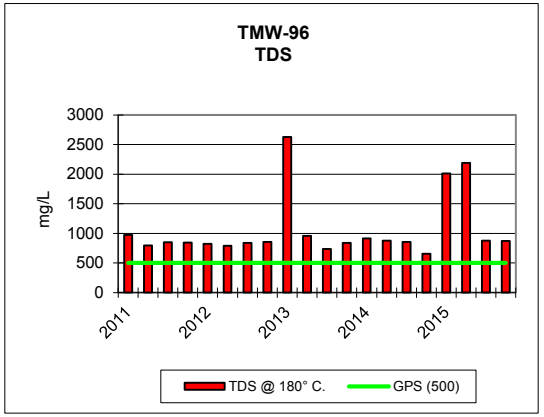

TMW-95
Combined Ra226/Ra228
pCi/L
20
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

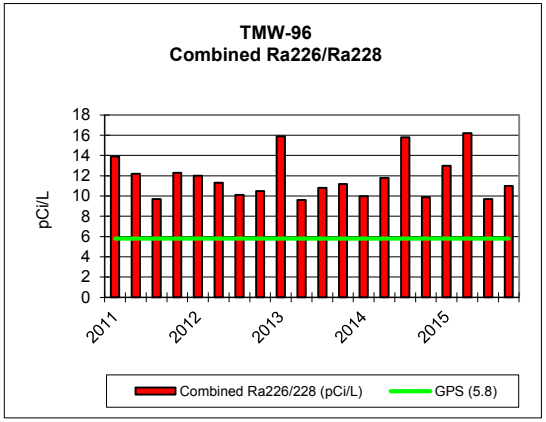
KENNECOTT URANIUM COMPANY															
TMW-96		2011				2012				2013				2014	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/2/2011	4/12/2011	7/12/2011	10/23/2011	1/4/2012	4/16/2012	7/10/2012	10/16/2012	3/25/2013	4/29/2013	7/8/2013	10/1/2013	3/18/2014	4/1/2014
TDS A/C Balance *(dec. %)*		-1.21	0.38	-3.19	-0.212	0.485	-3.01	1.04	1.51	-1.03	0.168	1.93	0.782	1.05	3.34
Alk-CaC03		125	123	123	112	111	119	118	125	168	127	105	124	125	134
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		152	150	150	136	135	146	145	153	204	155	128	152	152	163
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		200	178	170	178	178	168	176	185	483	198	160	187	195	184
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		34	24	25	25	25	25	24	26	162	31	22	23	30	28
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1260	1080	1130	1090	1120	1090	1110	1090	2880	1280	1000	1090	1180	1190
Cond-Field *(umhos/cm)*		1198	1123	1100	1159	1089	1159	1126	1137	3010	1387	1216	1191	1363	1369
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<0.1	0.1	<0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.9	3.6	2.4	3.8	3.5	3.5	3.4	3.3	4.7	4.3	2	3.7	5	3.2
Iron (Fe)	GPS (0.6)	0.07	0.1	0.1	<0.05	0.12	0.08	0.1	<0.05	<0.05	<0.05	0.07	<0.05	0.07	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	0.7	-0.07	1	0.5	0.6	0.2	0.3	0.2	0.9	0.2
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		18.8	11.8	12.3	11.8	11.7	11.6	12.2	13.7	91.7	17.2	11.6	10.8	14.7	11.7
Manganese (Mn)	GPS (0.2)	0.09	0.12	0.11	0.11	0.11	0.11	0.11	0.12	0.05	0.07	0.11	0.12	0.1	0.11
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	5.4	0.2	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.72	7.76	8	7.96	7.88	7.71	7.84	7.74	7.43	7.83	7.77	7.68	7.66	7.71
pH (Field) *(Std. Units)*		7.8	7.7	7.6	7.7	7.79	6.9	7.6	7.64	7.6	7.9	7.6	7.79	7.9	7.8
Potassium (K)		4.3	4	3.6	3.8	3.8	3.6	4	4.1	6.1	3.9	3.7	3.8	4	3.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	13.9	12.2	9.7	12.3	12	11.3	10.1	10.5	15.9	9.6	10.8	11.2	10	11.8
Radium 226 *(pCi/L)*		3.9	4.1	1.5	2.7	3.2	3	3.1	3	3.7	3.3	2.4	2.8	3.4	2.8
Radium 228 *(pCi/L)*		10	8.1	8.2	9.6	8.8	8.3	7	7.5	12.2	6.3	8.4	8.4	6.6	9
Selenium (Se)	GPS (.01)	0.011	0.003	0.006	0.001	0.002	0.002	0.003	0.005	0.242	0.01	<0.001	<0.001	0.006	0.004
Silica (SiO2)		14	16.6	15.2	15.2	15	14.4	14.4	15.2	10.3	12.8	14.6	13.4	13.4	15.6
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		59.3	52.4	48.7	52	49	48.9	47.9	54.6	144	56.5	49.9	48.1	55	47
TDS @ 180° *C.*	GPS (500)	972	797	851	847	824	790	837	857	2630	957	738	841	916	880
Sulfate (SO4)		532	433	448	449	435	441	415	443	1470	498	387	437	473	464
Temperature *(C)*		9.4	11.6	13.6	11	11.3	11.4	12.2	11.8	10	12.2	13.1	12.2	9.6	9.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.05	0.06	0.008	0.01	0.08	0.05	0.02	0.05	0.07	0.09	0.04	0.1	0.2	0.04
Uranium, natural *(pCi/L)*	GPS (36)	132	22.4	42.4	20.6	22	23.1	24.1	33.1	1500	101	32.7	13.9	45.1	33.7
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.001

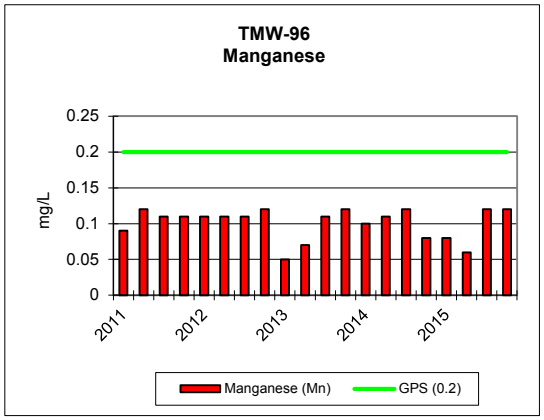
KENNECOTT URANIUM COMPANY							
TMW-96				2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	7/8/2014	10/21/2014	1/26/2015	4/15/2015	7/20/2015	11/3/2015
TDS A/C Balance *(dec. %)*		0.35	0.52	0.25	0.69	1.41	0.38
Alk-CaC03		124	117	139	150	124	129
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		151	143	169	183	151	157
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		186	140	386	414	185	191
Carbonate (CO3)		<1	<1	<1	<1	<1	<1
Chloride (Cl)		28	20	123	135	28	28
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	0.001	<0.001	<0.001
Cond *(umhos/cm)*		1140	921	2340	2560	1160	1150
Cond-Field *(umhos/cm)*		1160	956	2440	2600	1205	1209
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	0.1	0.2	ND	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.7	4.4	17.4	23.1	11.1	7.4
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	0.05	0.06	0.06
Lead (Pb210) *(pCi/L)*	GPS (8.9)	0.5	0.2	-0.2	0.4	0.2	0.7
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		12.5	8.6	59.5	66.1	12.1	12.8
Manganese (Mn)	GPS (0.2)	0.12	0.08	0.08	0.06	0.12	0.12
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	3.6	3.6	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.7	7.8	7.66	7.43	7.85	7.77
pH (Field) *(Std. Units)*		7.8	7.97	7.44	7.13	7.59	7.59
Potassium (K)		4	3.4	5.6	5.7	3.5	3.9
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	15.8	9.9	13	16.2	9.7	11
Radium 226 *(pCi/L)*		2.4	2.6	4.6	4.5	2.7	2.7
Radium 228 *(pCi/L)*		13.4	7.3	8.4	11.7	7	8.3
Selenium (Se)	GPS (.01)	0.002	<0.001	0.173	0.174	0.002	0.002
Silica (SiO2)		14.1	13.1	11.9	12.1	14.2	14.7
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		53.4	46.1	115	113	52	53.7
TDS @ 180° *C.*	GPS (500)	854	655	2010	2190	876	872
Sulfate (SO4)		451	336	1090	1180	464	459
Temperature *(C)*		11.4	10.8	9.6	10.2	11.9	11.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.04	0.1	0.07	0.6	0.1	0.05
Uranium, natural *(pCi/L)*	GPS (36)	23.6	16	795	967	19.6	15.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.01	<0.01	<0.01

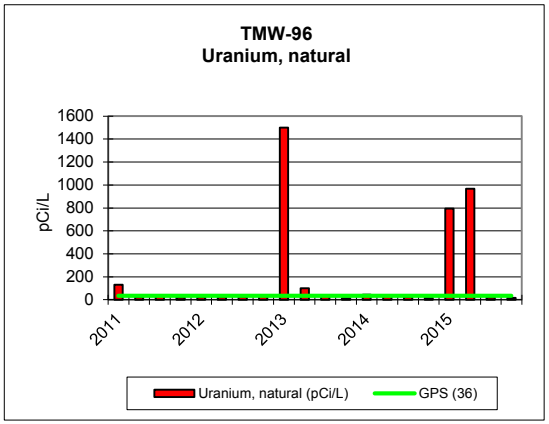

TMW-96
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-96
Selenium
mg/L
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Selenium (Se)
GPS (.01)


TMW-96
TDS
mg/L
3000
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

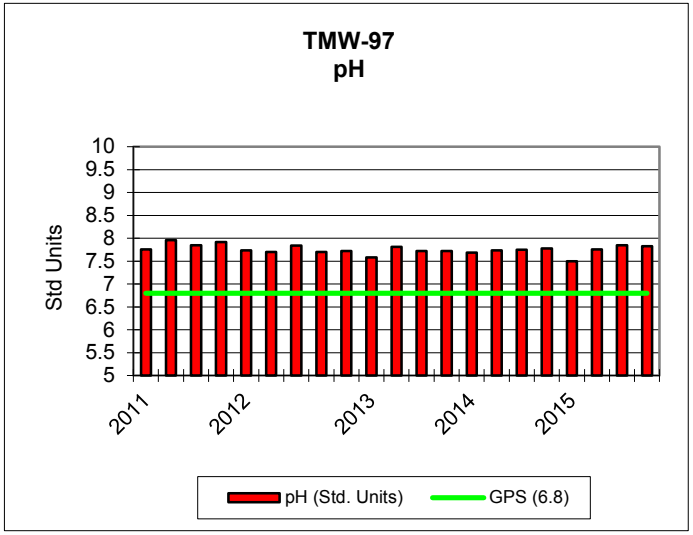

TMW-96
Combined Ra226/Ra228
pCi/L
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

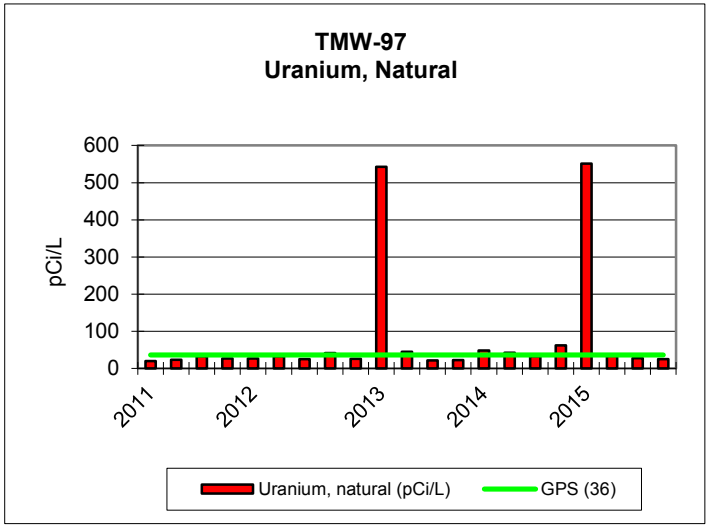

TMW-96
Manganese
mg/L
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

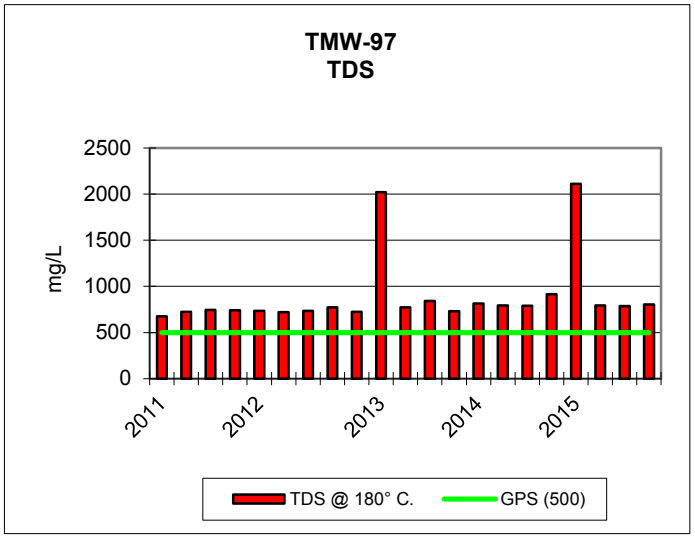

TMW-96
Uranium, natural
pCi/L
1600
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

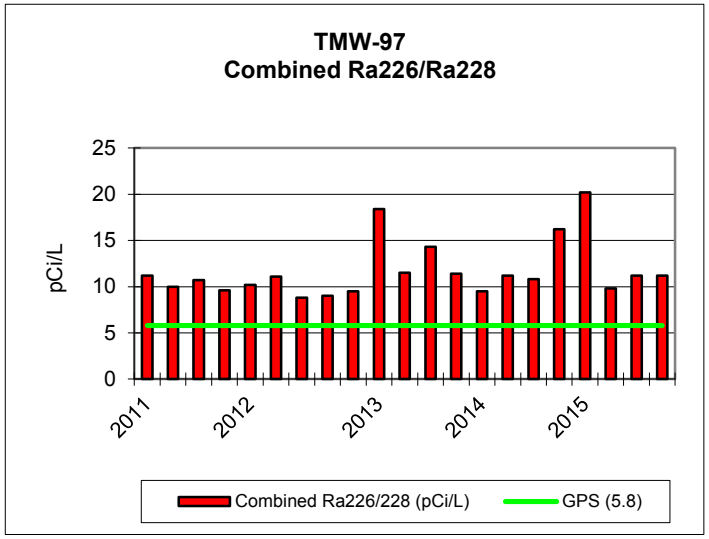
KENNECOTT URANIUM COMPANY															
TMW-97		2011				2012					2013				2014
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/2/2011	6/19/2011	9/19/2011	10/23/2011	1/4/2012	4/10/2012	7/10/2012	9/6/2012	11/5/2012	3/25/2013	4/29/2013	7/8/2013	10/1/2013	3/18/2014
TDS A/C Balance *(dec. %)*		-0.165	-3.14	0.881	1.11	-0.117	-1.32	1.07	-0.344	2.61	-0.503	0.019	0.421	-2.34	0.37
Alk-CaC03		104	103	98	95	94	103	100	106	104	155	107	133	105	106
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		127	126	120	116	115	125	122	129	126	189	131	162	128	129
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		146	145	161	155	154	148	150	164	161	407	158	186	147	167
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		20	22	22	22	23	22	21	25	23	72	24	25	24	26
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		928	965	986	978	1010	965	980	990	957	2260	1060	1130	965	1070
Cond-Field *(umhos/cm)*		1058	983	980	1056	1138	1073	1011	1021	1033	2380	1063	1021	999	1196
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	<0.1	0.1	0.1	<0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.2	4.8	2.3	3.3	3.1	1.9	2.8	4.1	4	4.6	4.1	2.9	3.3	4.6
Iron (Fe)	GPS (0.6)	0.16	<0.05	<0.05	0.07	0.13	0.08	0.1	0.13	0.06	<0.05	0.1	<0.05	0.11	0.19
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.5	<1	<1	<1	0.3	<1	0.5	0.5	1.2	0.6	0.3	0.2	0.3	0.8
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		9.8	10.3	11.2	11	10.9	10.3	10.9	12.5	11.4	56.3	12.4	12.4	9.2	13.3
Manganese (Mn)	GPS (0.2)	0.09	0.1	0.1	0.1	0.1	0.09	0.1	0.11	0.1	0.29	0.1	0.12	0.11	0.11
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.76	7.96	7.85	7.92	7.74	7.7	7.84	7.7	7.72	7.58	7.81	7.72	7.72	7.69
pH (Field) *(Std. Units)*		7.6	7.8	7.6	7.6	7.62	7.1	7.7	7.33	7.6	7	7.2	8	7.8	7.9
Potassium (K)		3.6	3.3	3.6	3.5	3.5	3.2	3.6	3.7	3.5	5.8	3.4	4.1	3.3	3.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	11.2	10	10.7	9.6	10.2	11.1	8.8	9	9.5	18.4	11.5	14.3	11.4	9.5
Radium 226 *(pCi/L)*		2.5	2.1	2	2.5	2.5	2.2	2.4	2.2	2.3	3.9	2.7	2.9	2.4	3.1
Radium 228 *(pCi/L)*		8.7	7.9	8.7	7.1	7.7	8.9	6.4	6.8	7.2	14.5	8.8	11.4	9	6.4
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
Silica (SiO2)		15.2	14.9	16.1	15.2	14.7	13.9	14.6	15.5	15.5	12.4	14.4	14.6	14	13.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		45.3	44.9	46.8	47	46.1	45.3	44.5	45.3	48.9	97.1	48.2	53.9	42.6	49.7
TDS @ 180° *C.*	GPS (500)	676	725	744	740	733	720	734	771	725	2020	773	842	731	815
Sulfate (SO4)		361	388	398	385	392	377	365	408	379	1180	398	445	372	420
Temperature *(C)*		9.5	11.9	13.1	10.5	10.5	13.5	12.7	15.5	11.5	9.9	8.8	12	14	9.3
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	20.3	23.8	33	27.2	26.9	33.3	24.9	41.4	26.4	543	44.9	21.8	22.2	48
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY								
TMW-97					2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	4/1/2014	7/8/2014	11/10/2014	3/25/2015	6/2/2015	9/2/2015	11/3/2015
TDS A/C Balance *(dec. %)*		1.47	0.12	2.12	0.21	2.6	2.77	0.93
Alk-CaC03		105	105	108	154	105	102	122
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.002	<0.001	<0.001	0.002	ND	ND	ND
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		128	128	131	188	128	125	148
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		165	166	191	417	152	172	172
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		27	27	36	74	28	25	26
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1100	1050	1200	2490	1080	1050	1070
Cond-Field *(umhos/cm)*		1156	1102	1232	4270	1138	1093	1111
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	ND	0.1
Gross Alpha *(pCi/L)*	GPS (15)	4	2.7	4.3	49.8	10.9	15.3	7.3
Iron (Fe)	GPS (0.6)	0.14	0.08	0.13	0.89	<0.05	0.1	0.16
Lead (Pb210) *(pCi/L)*	GPS (8.9)	0.2	<1	<1	2	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		12.2	12.1	12.6	65.4	12.4	12.5	11.9
Manganese (Mn)	GPS (0.2)	0.11	0.11	0.13	0.3	0.12	0.11	0.11
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.74	7.75	7.78	7.5	7.76	7.85	7.83
pH (Field) *(Std. Units)*		8	8.2	7.83	7.4	7.7	7.6	7.62
Potassium (K)		3.6	3.7	3.9	5.8	3.8	3.7	3.6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	11.2	10.8	16.2	20.2	9.8	11.2	11.2
Radium 226 *(pCi/L)*		2.6	2.3	3.8	4	1.7	2.6	3.1
Radium 228 *(pCi/L)*		8.6	8.5	12.4	16.2	8.1	8.6	8.1
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.6	13.9	13.7	11.2	14.8	14.9	14.1
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		47.1	49.8	51.3	103	53.9	52.1	49.9
TDS @ 180° *C.*	GPS (500)	793	790	916	2110	792	787	805
Sulfate (SO4)		426	416	493	1240	419	412	426
Temperature *(C)*		9.8	11.5	8.8	9.8	12.1	12.1	11.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	0.2	<0.2	0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	42.7	33.2	62	551	33.5	27.5	25.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-97
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

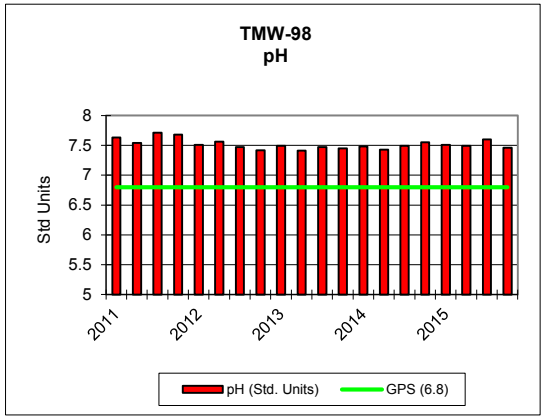

TMW-97
Uranium, Natural
pCi/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

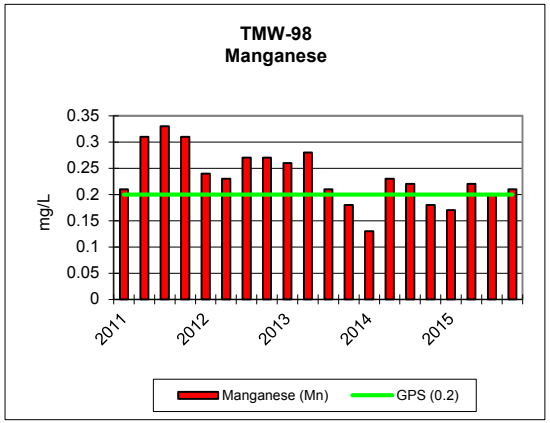

TMW-97
TDS
mg/L
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

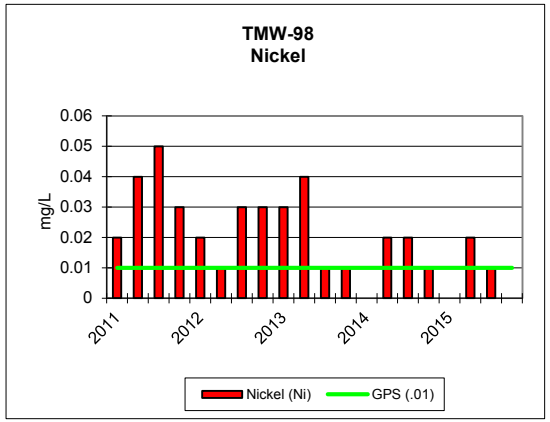

TMW-97
Combined Ra226/Ra228
pCi/L
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

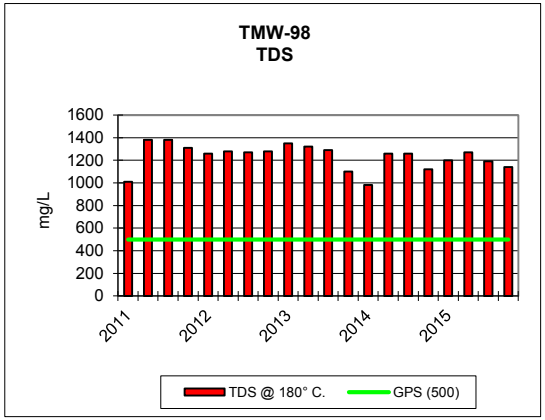
KENNECOTT URANIUM COMPANY															
TMW-98		2011				2012				2013				2014	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/8/2011	6/6/2011	9/19/2011	11/15/2011	3/5/2012	5/8/2012	9/24/2012	11/5/2012	3/5/2013	6/11/2013	9/9/2013	10/28/2013	2/4/2014	4/29/2014
TDS A/C Balance *(dec. %)*		0.392	-2.07	0.466	-0.377	0.626	-2.51	0.465	0.00345	3.06	-0.563	-1.01	0.898	0.43	3
Alk-CaC03		112	114	105	103	117	112	111	109	109	108	110	109	110	110
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	0.001	0.001	0.001	0.001	<0.001	0.001	0.001	<0.001	0.002	0.001	<0.001	<0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		136	139	128	126	143	137	136	133	133	132	134	133	134	134
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		228	280	302	272	283	258	277	279	299	283	264	244	217	268
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		25	25	27	27	27	27	27	29	27	32	30	35	29	32
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.011	0.032	0.034	0.027	0.013	0.009	0.023	0.023	0.017	0.027	0.008	0.009	0.004	0.013
Cond *(umhos/cm)*		1300	1570	1590	1590	1510	1550	1540	1510	1570	1570	1480	1390	1320	1490
Cond-Field *(umhos/cm)*		1331	1719	1638	1578	1591	1542	1541	1548	1629	1583	1652	1511	1329	1349
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.3	2.4	2.5	3.3	2.3	3.2	2.4	6	2.5	5.9	2.8	3.7	2.9	6.1
Iron (Fe)	GPS (0.6)	0.25	0.11	0.57	0.24	0.2	0.3	0.18	0.35	0.15	0.6	0.25	0.13	0.07	0.31
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		20.4	27.4	28.7	25.8	25	22.5	24.6	26.3	27.5	26.4	22.6	22.7	17.8	23.7
Manganese (Mn)	GPS (0.2)	0.21	0.31	0.33	0.31	0.24	0.23	0.27	0.27	0.26	0.28	0.21	0.18	0.13	0.23
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.02	0.04	0.05	0.03	0.02	0.01	0.03	0.03	0.03	0.04	0.01	0.01	<0.01	0.02
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.63	7.54	7.71	7.68	7.51	7.56	7.47	7.42	7.49	7.41	7.47	7.45	7.48	7.43
pH (Field) *(Std. Units)*		7.3	7.1	7.1	7.2	7.5	7.3	7.47	7.45	7.46	7.3	6.6	7.5	7.7	7.9
Potassium (K)		4.7	5.2	5.6	5.3	5.5	4.7	5.1	5.6	4.9	5.1	5.2	4.9	4.2	5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	8.8	9.5	6.3	9.3	9.6	9.6	10.3	10.9	12.3	9.9	10.4	10.4	11	9.8
Radium 226 *(pCi/L)*		2	2.2	2.4	3	2.2	2.7	2.4	2.4	2.6	1.9	1.8	2.4	2.2	3.1
Radium 228 *(pCi/L)*		6.8	7.3	3.9	6.3	7.4	6.9	7.9	8.5	9.7	8	8.6	8	8.8	6.7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.1	11.5	13.7	12.8	13.1	11.4	11.2	12.6	12.6	12	11.3	13.6	12	12
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		49.1	53.7	55.7	56.2	56.4	51.2	53	60	53.7	56.5	52.9	54.9	51.6	55.3
TDS @ 180° *C.*	GPS (500)	1010	1380	1380	1310	1260	1280	1270	1280	1350	1320	1290	1100	982	1260
Sulfate (SO4)		588	793	813	749	741	717	726	761	746	770	711	630	564	761
Temperature *(C)*		10.3	12	12.3	10.5	10.7	11	12.4	11.8	10.2	12.9	11.2	9.1	8.7	9.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	0.2	0.02
Uranium, natural *(pCi/L)*	GPS (36)	34.5	47	47.1	40.9	39.7	37.3	44.4	44.2	41.7	40.1	37.5	35	23.7	36.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	0.01	0.03	0.01	<0.01	<0.01	<0.01	0.01	0.01	0.02	<0.01	<0.01	<0.01	0.01

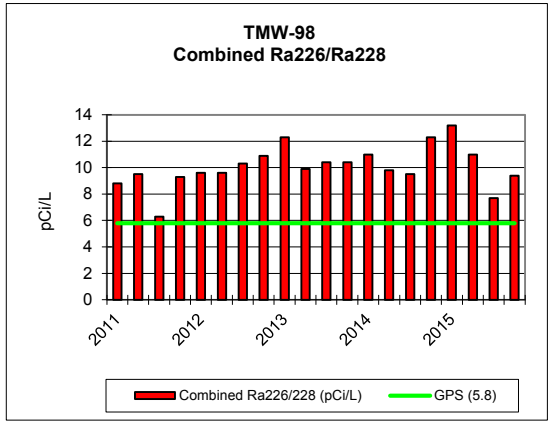
KENNECOTT URANIUM COMPANY							
TMW-98				2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	8/11/2014	11/10/2014	3/30/2015	6/2/2015	9/2/2015	12/15/2015
TDS A/C Balance *(dec. %)*		2.17	3.33	2.57	1.43	1.92	4.05
Alk-CaC03		106	111	110	106	102	107
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.002	<0.001	0.001	0.001	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		129	135	135	129	124	131
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		265	228	262	258	262	227
Carbonate (CO3)		<1	<1	<1	<1	<1	<1
Chloride (Cl)		32	36	36	32	31	42
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.014	0.013	0.004	0.016	0.007	0.008
Cond *(umhos/cm)*		1540	1400	1480	1590	1470	1420
Cond-Field *(umhos/cm)*		942	1438	2640	1686	1506	1479
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	<0.1	<0.1	<0.1	<0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.1	2.6	5.3	10.1	14.9	8.7
Iron (Fe)	GPS (0.6)	0.08	0.25	0.19	0.47	0.33	0.27
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		23.6	19.1	21.8	24.7	22.6	21.8
Manganese (Mn)	GPS (0.2)	0.22	0.18	0.17	0.22	0.2	0.21
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.02	0.01	<0.01	0.02	0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.49	7.55	7.51	7.49	7.6	7.46
pH (Field) *(Std. Units)*		7.4	7.61	7.52	7.4	7.34	7.42
Potassium (K)		5.1	4.5	5.2	5.4	5	4.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	9.5	12.3	13.2	11	7.7	9.4
Radium 226 *(pCi/L)*		2.3	2.8	3.7	2.4	2.1	1.9
Radium 228 *(pCi/L)*		7.2	9.5	9.5	8.6	5.6	7.5
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		12.2	11.6	12.3	12.6	12.5	12.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		57.4	51.5	58	59.6	56.4	56.8
TDS @ 180° *C.*	GPS (500)	1260	1120	1200	1270	1190	1140
Sulfate (SO4)		747	629	733	727	669	649
Temperature *(C)*		11.3	8.2	11.1	11.8	10.2	9.2
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.04	0.3	0.05	0.09	0.1	0.02
Uranium, natural *(pCi/L)*	GPS (36)	33	28.6	29.4	33.8	27.5	28.6
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.01	<0.01	<0.01

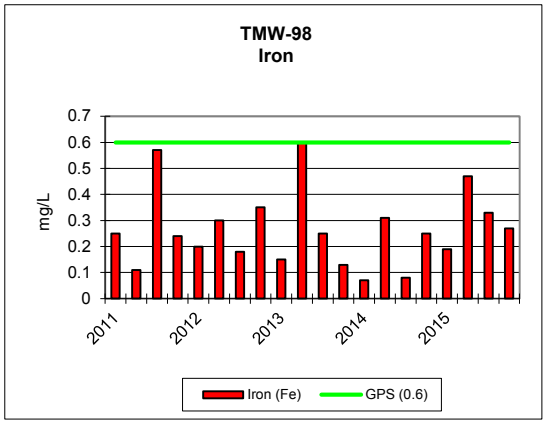

TMW-98
pH
Std Units
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

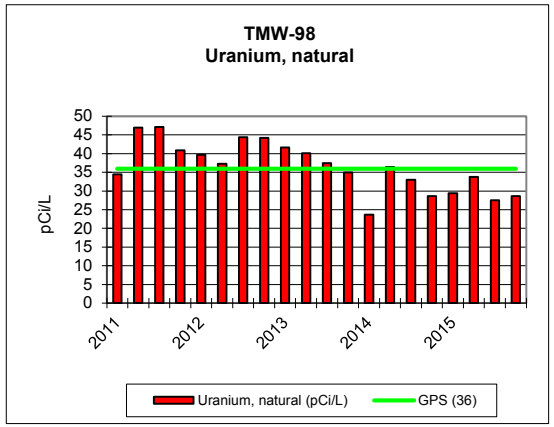

TMW-98
Manganese
mg/L
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)


TMW-98
Nickel
mg/L
0.06
0.05
0.04
0.03
0.02
0.01
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)


TMW-98
TDS
mg/L
1600
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

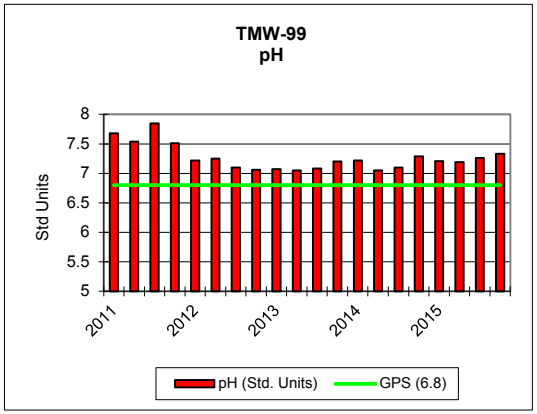

TMW-98
Combined Ra226/Ra228
pCi/L
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

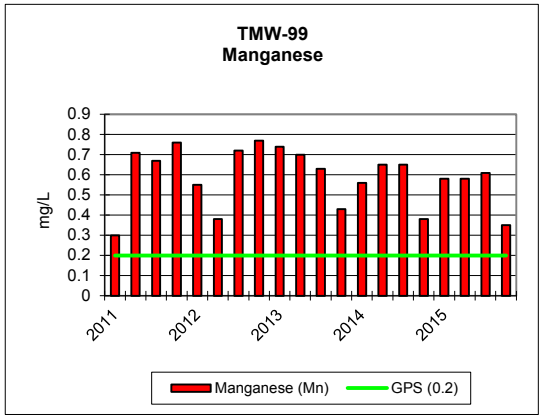

TMW-98
Iron
mg/L
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

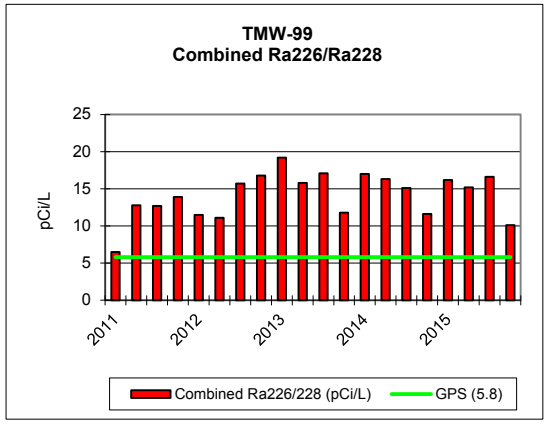

TMW-98
Uranium, natural
pCi/L
50
45
40
35
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

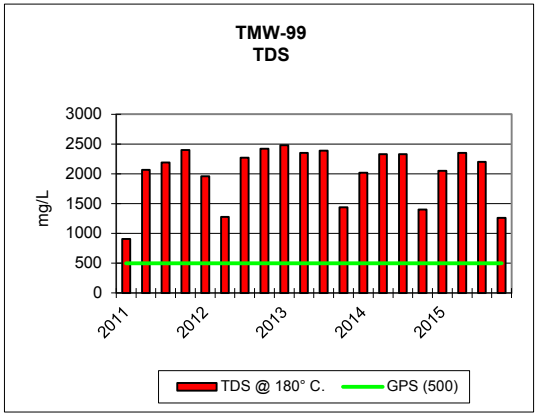
KENNECOTT URANIUM COMPANY															
TMW-99		2011				2012				2013				2014	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/28/2011	6/19/2011	9/19/2011	11/15/2011	3/5/2012	6/5/2012	9/24/2012	11/5/2012	3/5/2013	6/11/2013	9/9/2013	11/11/2013	2/24/2014	5/6/2014
TDS A/C Balance *(dec. %)*		-1.62	-3.57	-0.129	0.839	0.866	0.362	-1	-3.67	2.57	0.459	0.411	0.753	1.15	0.59
Alk-CaC03		102	118	113	119	121	110	141	130	133	136	134	121	129	130
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	0.001	<0.001	0.002	<0.001	<0.001	<0.001	0.001	0.002	0.002	0.003	0.003	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		124	144	138	146	148	134	172	159	162	166	163	148	157	158
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		181	398	471	487	416	252	467	499	477	479	477	299	419	495
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		18	40	43	43	36	23	39	48	40	41	36	26	38	41
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.017	0.057	0.051	0.05	0.027	0.017	0.04	0.043	0.041	0.041	0.025	0.016	0.023	0.033
Cond *(umhos/cm)*		1240	2260	2390	2600	2170	1570	2500	2530	2560	2470	2430	1720	2260	2460
Cond-Field *(umhos/cm)*		1203	2470	2550	2560	2400	1606	2580	2690	2400	1606	2580	2690	1993	2770
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	1.5	5.3	4.1	4.8	4	2.5	3.3	7.2	4.5	7.6	2.9	2.6	7.3	9.8
Iron (Fe)	GPS (0.6)	1.17	6.23	6.33	6.3	3.73	2.57	5.31	5.8	5.06	6.61	4.77	3.04	5.01	4.68
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	0.08	0.04
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		21.9	52.4	59.3	59.2	50.8	33.2	56.8	65.1	64.7	59.7	54.1	34.8	51	58.6
Manganese (Mn)	GPS (0.2)	0.3	0.71	0.67	0.76	0.55	0.38	0.72	0.77	0.74	0.7	0.63	0.43	0.56	0.65
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.02	0.07	0.08	0.07	0.05	0.02	0.05	0.05	0.05	0.04	0.04	0.02	0.03	0.05
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.68	7.54	7.85	7.51	7.22	7.25	7.1	7.06	7.07	7.05	7.08	7.2	7.22	7.05
pH (Field) *(Std. Units)*		7.3	7.2	6.9	7	7.4	7.3	7.16	7.07	7.4	7.3	7.16	7.07	7.3	7.4
Potassium (K)		3.9	6	6.7	6.7	6.2	4.4	6	6.7	6.3	6.3	6.5	4.9	5.9	6.1
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.5	12.8	12.7	13.9	11.5	11.1	15.7	16.8	19.2	15.8	17.1	11.8	17	16.3
Radium 226 *(pCi/L)*		1.2	3	3.1	4.4	2.3	2.3	3.4	3.1	3.8	3.8	2.8	2.9	3.8	4
Radium 228 *(pCi/L)*		5.3	9.8	9.6	9.5	9.2	8.8	12.3	13.7	15.4	12	14.3	8.9	13.2	12.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		11.5	13.5	14.2	13.7	13.2	13.4	11	12.9	12	12	11.2	11.9	12.1	11.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		49.8	84.9	91.2	96.3	88.4	67	88.4	99.5	96	92.6	83	65.8	85.2	87.9
TDS @ 180° *C.*	GPS (500)	907	2070	2190	2400	1960	1280	2270	2420	2480	2350	2390	1440	2020	2330
Sulfate (SO4)		528	1280	1400	1410	1200	737	1380	1610	1340	1380	1350	832	1180	1410
Temperature *(C)*		11.2	11.5	12.5	10.7	9.7	11.6	12.7	11.3	1.17	1.09	1.15	1.07	9.4	11..1
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.2	<0.2	0.2	0.03	0.03
Uranium, natural *(pCi/L)*	GPS (36)	41.4	84.8	107	106	146	90.7	274	301	338	294	336	216	334	268
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.05	0.02

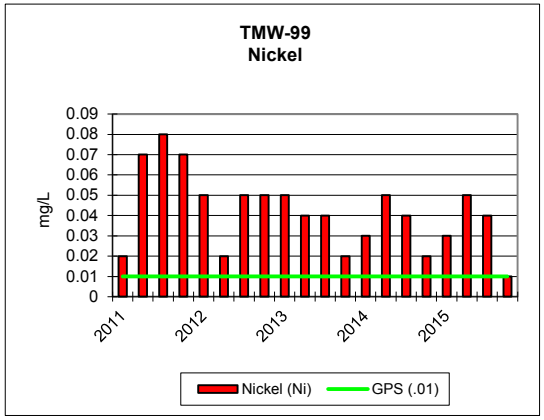
KENNECOTT URANIUM COMPANY							
TMW-99				2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	8/12/2014	11/12/2014	3/30/2015	6/2/2015	9/2/2015	12/15/2015
TDS A/C Balance *(dec. %)*		0.54	0.02	2	5.77	2.03	1.84
Alk-CaC03		130	120	127	126	123	126
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.003	0.004	0.002	0.002	0.003	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		158	146	155	155	150	153
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		500	289	427	418	470	254
Carbonate (CO3)		<1	<1	<1	<1	<1	<1
Chloride (Cl)		39	25	45	41	35	21
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.032	0.015	0.022	0.032	0.021	0.011
Cond *(umhos/cm)*		2480	1670	2190	2570	2410	1520
Cond-Field *(umhos/cm)*		2480	1717	4140	2520	2520	1266
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.6	3	6.6	16.9	24.8	11.8
Iron (Fe)	GPS (0.6)	4.34	2.8	4.78	4.7	4.52	2.21
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.4	0.4	1.8	0.5	0.9	-0.05
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		57.2	34.5	52.5	60.8	56.3	30.6
Manganese (Mn)	GPS (0.2)	0.65	0.38	0.58	0.58	0.61	0.35
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	0.04	<0.01
Nickel (Ni)	GPS (.01)	0.04	0.02	0.03	0.05	0.04	0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.1	7.29	7.21	7.19	7.26	7.33
pH (Field) *(Std. Units)*		7	7.33	7.28	7.07	6.9	7.28
Potassium (K)		6.6	5	6.5	6	6.2	4.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	15.1	11.6	16.2	15.2	16.6	10.1
Radium 226 *(pCi/L)*		3.1	3.8	4.1	3.3	2.9	1.9
Radium 228 *(pCi/L)*		12	7.8	12.1	11.9	13.7	8.2
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		11.9	11.5	11.9	12.9	12.4	11.3
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	0.06	<0.01
Sodium (Na)		90	65	89	95.8	85.7	58
TDS @ 180° *C.*	GPS (500)	2330	1400	2050	2350	2200	1260
Sulfate (SO4)		1430	821	1300	1450	1310	740
Temperature *(C)*		11.2	7.3	9.5	10.2	9.7	8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.04	0.07	0.03	0.07	0.3	-0.02
Uranium, natural *(pCi/L)*	GPS (36)	311	194	287	334	291	204
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	0.01	<0.01

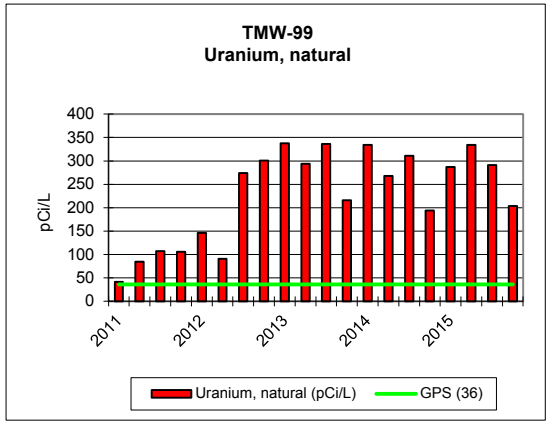

TMW-99
pH
Std Units
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

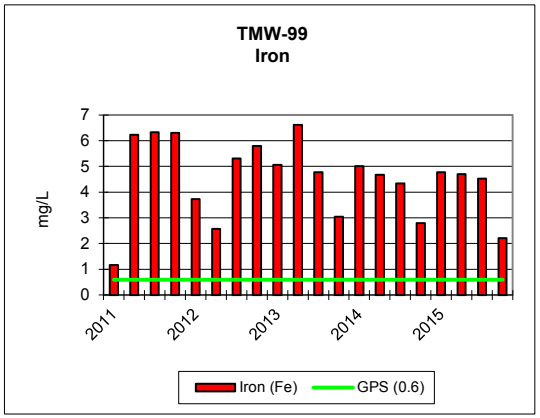

TMW-99
Manganese
mg/L
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)


TMW-99
Combined Ra226/Ra228
pCi/L
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)


TMW-99
TDS
mg/L
3000
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

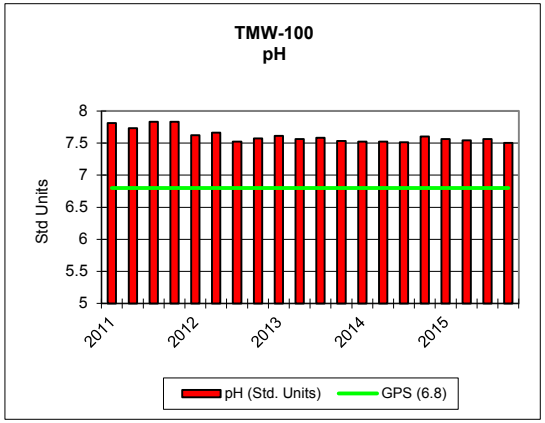

TMW-99
Nickel
mg/L
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

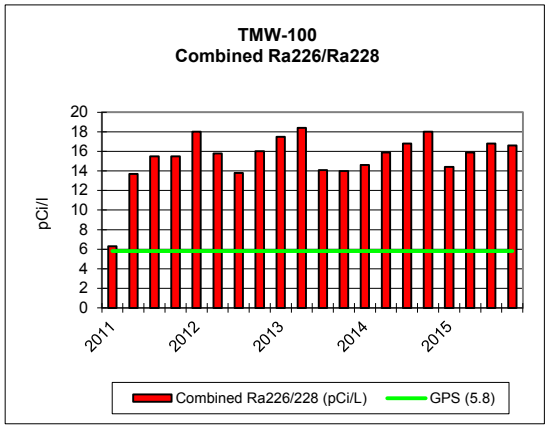

TMW-99
Uranium, natural
pCi/L
400
350
300
250
200
150
100
50
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

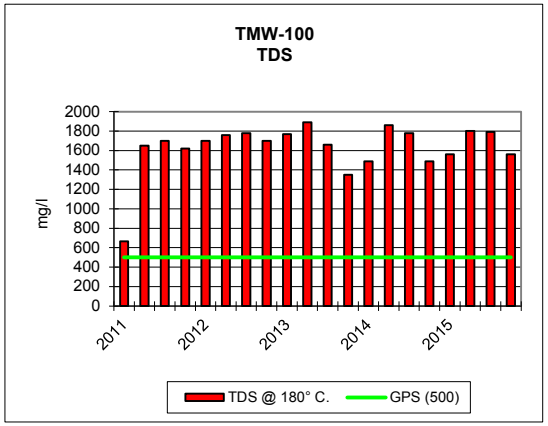

TMW-99
Iron
mg/L
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

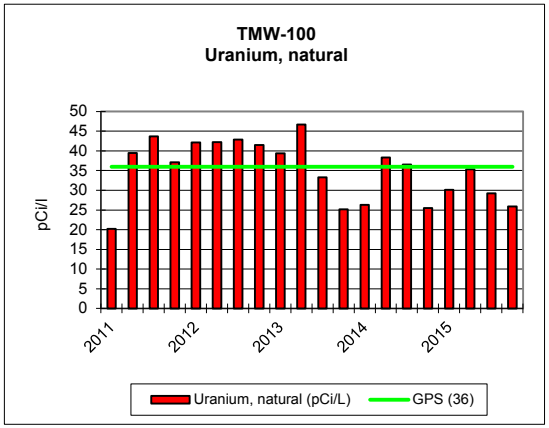
KENNECOTT URANIUM COMPANY															
TMW-100		2011				2012				2013				2014	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/8/2011	6/6/2011	8/1/2011	11/15/2011	1/31/2012	6/5/2012	8/19/2012	11/6/2012	1/29/2013	5/20/2013	8/13/2013	10/29/2013	2/3/2014	4/29/2014
TDS A/C Balance *(dec. %)*		-0.579	-3.26	-1.84	-1.33	-2.07	1.48	-1.53	0.094	2.97	1.99	0.287	-0.297	0.9	0.14
Alk-CaC03		104	106	100	106	104	110	114	111	112	115	126	124	119	118
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.005	0.003	0.002	0.003
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		127	129	122	129	127	134	139	135	137	141	154	151	146	144
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		141	324	355	340	366	380	375	368	399	409	354	293	309	406
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		12	29	31	29	31	32	35	31	31	30	29	28	29	34
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	0.001	0.002	0.001	<0.001	0.001	0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		913	1810	1930	1890	1930	2000	2010	1890	1990	2190	1870	1610	1750	2010
Cond-Field *(umhos/cm)*		942	1981	2130	1885	2110	2180	2140	1961	2080	2210	2080	1640	1808	1685
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.1	0.1	<0.1	0.1	0.1	0.1	0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.3	4.2	5.1	5.2	5.4	3.4	4.1	7.2	7	6.6	7.7	6	5.1	8.4
Iron (Fe)	GPS (0.6)	<0.05	0.1	0.19	0.31	0.18	0.27	0.14	0.31	0.32	0.37	0.06	0.26	0.17	0.43
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	0.4	0.06
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		13	32.1	33.5	32.3	36.4	37	36.4	35.2	36.9	39.3	33.6	26.6	28.2	37.5
Manganese (Mn)	GPS (0.2)	0.08	0.22	0.23	0.23	0.22	0.24	0.24	0.22	0.24	0.27	0.23	0.18	0.19	0.23
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.81	7.73	7.83	7.83	7.62	7.66	7.52	7.57	7.61	7.56	7.58	7.53	7.52	7.52
pH (Field) *(Std. Units)*		7.4	7.6	7.6	7.6	7.6	7.6	7.5	7.57	7.55	7.5	7.46	7.7	7.7	7.9
Potassium (K)		3.4	4.7	5	5.1	5	5.3	5.6	5.3	5.4	5.4	5	4.6	4.5	5.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.3	13.7	15.5	15.5	18	15.8	13.8	16	17.5	18.4	14.1	14	14.6	15.9
Radium 226 *(pCi/L)*		1.4	3.7	4.5	4	4	4.9	4.2	3.8	4.5	4.7	2.9	3.1	3.9	4.7
Radium 228 *(pCi/L)*		4.9	10	11	11.5	14	10.9	9.6	12.2	13	13.7	11.2	10.9	10.7	11.2
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.2	10.6	10.9	11.8	12.1	9.2	12	11.8	11.9	11.3	12	13.7	12.1	11.5
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		45.2	64.1	67.2	67	69.2	72.8	69.8	73	70.4	77.5	67.9	62.6	62.6	72.7
TDS @ 180° *C.*	GPS (500)	667	1650	1700	1620	1700	1760	1780	1700	1770	1890	1660	1350	1490	1860
Sulfate (SO4)		377	972	1030	976	1080	1030	1070	1030	1030	1100	962	792	853	1120
Temperature *(C)*		9.2	11.4	12.5	10.2	9.9	11.6	10.7	10.5	11.5	10.2	12.6	9.2	9.2	9.4
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.06	0.004
Uranium, natural *(pCi/L)*	GPS (36)	20.2	39.5	43.7	37.1	42.1	42.2	42.9	41.5	39.4	46.7	33.3	25.2	26.3	38.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

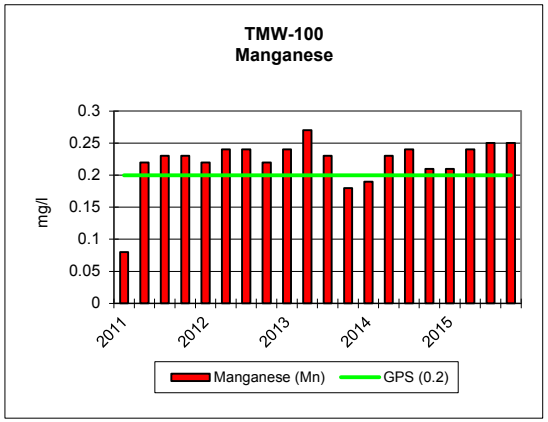
KENNECOTT URANIUM COMPANY							
TMW-100				2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	8/11/2014	11/18/2014	2/10/2015	6/2/2015	8/12/2015	12/15/2015
TDS A/C Balance *(dec. %)*		0.3	0.78	0.06	5.33	0.41	3.15
Alk-CaC03		116	123	120	116	112	123
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.003	0.005	0.003	0.003	0.004	0.004
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		142	150	146	142	137	150
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		392	328	340	325	385	303
Carbonate (CO3)		<1	<1	<1	<1	<1	<1
Chloride (Cl)		31	31	33	31	30	30
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.002	<0.001	<0.001	0.001	0.001	<0.001
Cond *(umhos/cm)*		2010	1760	1810	2080	2100	1800
Cond-Field *(umhos/cm)*		1475	1732	1868	1776	715	1692
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	<0.1	0.1	<0.1	<0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	5.3	4.9	14.8	15.5	38	17.2
Iron (Fe)	GPS (0.6)	0.06	0.42	0.46	0.44	0.47	0.5
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		35.8	29.4	31.3	37.2	35.6	31.7
Manganese (Mn)	GPS (0.2)	0.24	0.21	0.21	0.24	0.25	0.25
Mercury (Hg)		0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.51	7.6	7.56	7.54	7.56	7.5
pH (Field) *(Std. Units)*		7.6	7.73	7.43	7.66	7.27	7.51
Potassium (K)		5.3	5.1	5	4.9	5.8	4.9
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	16.8	18	14.4	15.9	16.8	16.6
Radium 226 *(pCi/L)*		4.3	3.6	3.7	3.5	4.7	3.9
Radium 228 *(pCi/L)*		12.5	14.4	10.7	12.4	12.1	12.7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		11.4	12.8	12.3	11.8	11.6	12.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		72.4	67.7	68.4	76	67.8	67.9
TDS @ 180° *C.*	GPS (500)	1780	1490	1560	1800	1790	1560
Sulfate (SO4)		1090	873	928	1060	1070	894
Temperature *(C)*		16.5	8.6	10.2	10.8	10.2	7.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.07	0.005	0.1	0.06	0.1	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	36.5	25.5	30.1	35.3	29.2	25.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.02	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-100
pH
Std Units
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-100
Combined Ra226/Ra228
pCi/l
20
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

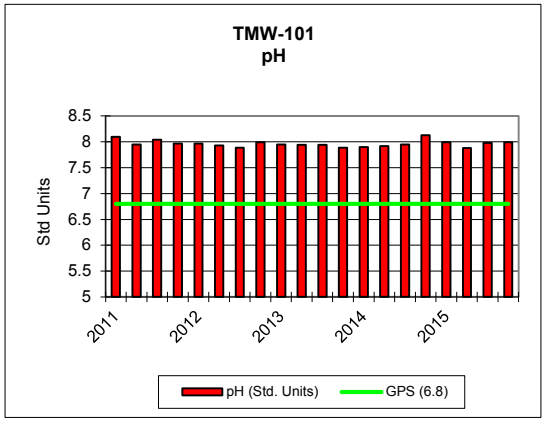

TMW-100
TDS
mg/l
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

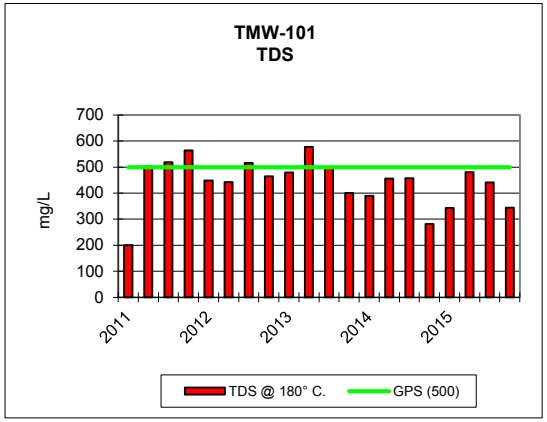

TMW-100
Uranium, natural
pCi/l
50
45
40
35
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

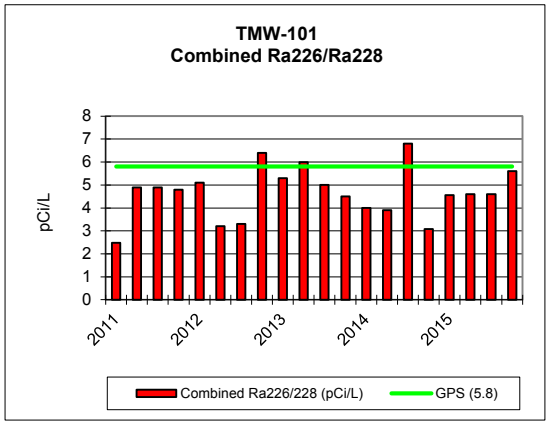

TMW-100
Manganese
mg/l
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

KENNECOTT URANIUM COMPANY															
TMW-101		2011				2012				2013				2014	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/8/2011	6/6/2011	8/1/2011	11/15/2011	1/31/2012	5/8/2012	8/19/2012	12/10/2012	1/29/2013	5/20/2013	8/13/2013	10/29/2013	2/3/2014	4/29/2014
TDS A/C Balance *(dec. %)*		-2.26	-2.83	-1.97	0.0298	-1.4	-1.71	0.153	1	5	4.28	0.473	1.14	1.99	2.28
Alk-CaC03		90	97	89	87	89	92	97	93	93	95	93	93	92	95
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		110	119	109	107	109	112	118	113	114	116	114	113	112	115
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		31.8	91.1	102	109	82.8	82.1	104	101	104	116	94.1	70.8	67.8	83.8
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		3	12	13	13	10	10	13	11	11	13	12	9	9	11
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		317	686	755	802	644	650	724	665	707	827	714	601	592	649
Cond-Field *(umhos/cm)*		332	768	827	835	680	689	793	711	726	894	790	642	715	755
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	1.2	1.1	1.5	1.7	1.5	1.7	1.4	1.2	1.7	2.6	1.9	2.3	1.3	2.1
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.2	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		2.6	8.3	9.1	9.6	7.7	7	9.3	7.5	8.9	9.7	7.9	5.6	5.6	7.2
Manganese (Mn)	GPS (0.2)	<.01	0.04	0.06	0.07	0.05	0.03	0.06	0.05	0.04	0.06	0.06	0.04	0.03	0.04
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.1	7.95	8.04	7.97	7.97	7.93	7.89	7.99	7.95	7.94	7.94	7.89	7.9	7.92
pH (Field) *(Std. Units)*		7.8	7.9	7.7	8.1	7.8	7.9	7.8	7.81	7.62	7.9	7.34	8.2	7.9	8.6
Potassium (K)		1.6	2.1	2.2	2.3	2	1.9	2.3	2.1	2.2	2.5	2.4	2.2	1.9	2.1
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	2.48	4.9	4.9	4.8	5.1	3.2	3.3	6.4	5.3	6	5	4.5	4	3.9
Radium 226 *(pCi/L)*		0.38	1.4	1.8	1.4	1.3	1.3	1.1	1.1	1.8	1.7	1.5	1.4	1.2	1.2
Radium 228 *(pCi/L)*		2.1	3.5	3.1	3.4	3.8	1.9	2.2	5.3	3.5	4.3	3.5	3.1	2.8	2.7
Selenium (Se)	GPS (.01)	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.2	10.8	10.9	12.1	12.2	10.2	12.8	11	13.1	11.8	11.7	12.2	10.8	11.1
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		30	41.3	41.5	43.9	40.8	37.7	42.2	41.9	46.2	56.7	50.7	49.2	43.5	43.7
TDS @ 180° *C.*	GPS (500)	200	503	519	564	448	442	516	464	479	578	498	401	389	456
Sulfate (SO4)		66	250	279	290	225	214	265	232	243	293	256	190	188	232
Temperature *(C)*		8.9	13.1	12.3	10.2	9.8	11.2	10.8	10.7	11.3	10.1	12.4	9.6	9.4	9.6
Thallium (Tl)	GPS (7.0)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Thorium 230 *(pCi/L:)*		0.07	0.04	0.05	0.09	0.08	<0.02	0.04	<0.02	<0.02	0.07	0.1	0.4	0.07	0.05
Uranium, natural *(pCi/L)*	GPS (36)	3.3	7.7	10.9	10.9	8.3	7.5	10.7	10.4	9.6	10.2	7.7	6	5.8	6.8
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY							
TMW-101				2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	8/11/2014	11/19/2014	2/10/2015	6/2/2015	8/12/2015	12/16/2015
TDS A/C Balance *(dec. %)*		0.44	1.14	0.82	1.61	1.08	2.19
Alk-CaC03		93	92	91	94	92	96
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.001	0.001	0.001	0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		114	112	111	114	112	117
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		84.6	40	62.6	82.9	85.3	57.1
Carbonate (CO3)		<1	<1	<1	<1	<1	<1
Chloride (Cl)		11	5	8	11	10	6
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		664	408	527	708	664	516
Cond-Field *(umhos/cm)*		860	416	608	674	690	504
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.1	0.2
Gross Alpha *(pCi/L)*	GPS (15)	1.6	-0.2	4.6	3.4	8.4	2.8
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		7.4	3.2	5.1	7.9	7.1	4.6
Manganese (Mn)	GPS (0.2)	0.05	0.02	0.03	0.05	0.05	0.03
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.95	8.13	7.99	7.88	7.98	7.99
pH (Field) *(Std. Units)*		8.3	8.15	7.98	8.18	8.03	8.08
Potassium (K)		2.2	1.7	1.9	2.2	2.3	1.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.8	3.08	4.56	4.6	4.6	5.6
Radium 226 *(pCi/L)*		1.2	0.88	0.86	1.2	1.3	1
Radium 228 *(pCi/L)*		5.6	2.2	3.7	3.4	3.3	4.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		11.4	11.2	11	11.5	10.1	10.7
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		47	40.2	43.2	49.2	46.4	41.9
TDS @ 180° *C.*	GPS (500)	457	281	343	481	441	344
Sulfate (SO4)		231	104	160	241	223	153
Temperature *(C)*		12.6	10	9.8	10.7	10.4	8.8
Thallium (Tl)	GPS (7.0)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Thorium 230 *(pCi/L:)*		0.03	0.002	0.0008	0.008	0.009	0.008
Uranium, natural *(pCi/L)*	GPS (36)	7.7	4.9	5.3	9	6.9	4.1
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

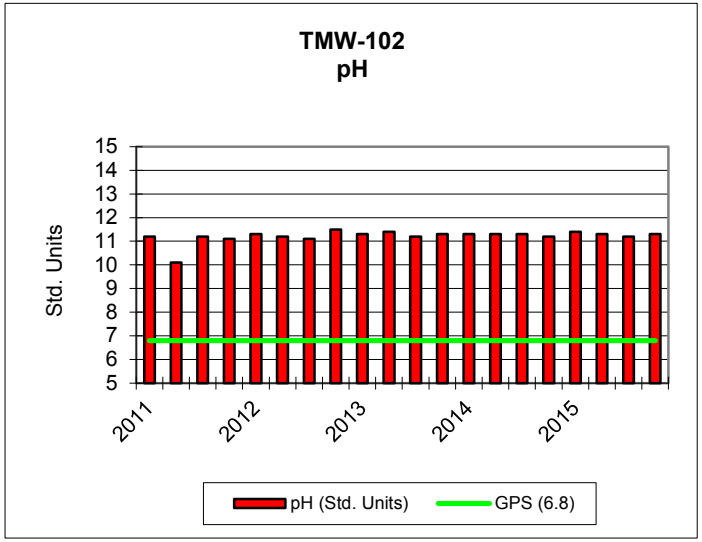

TMW-101
pH
Std Units
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

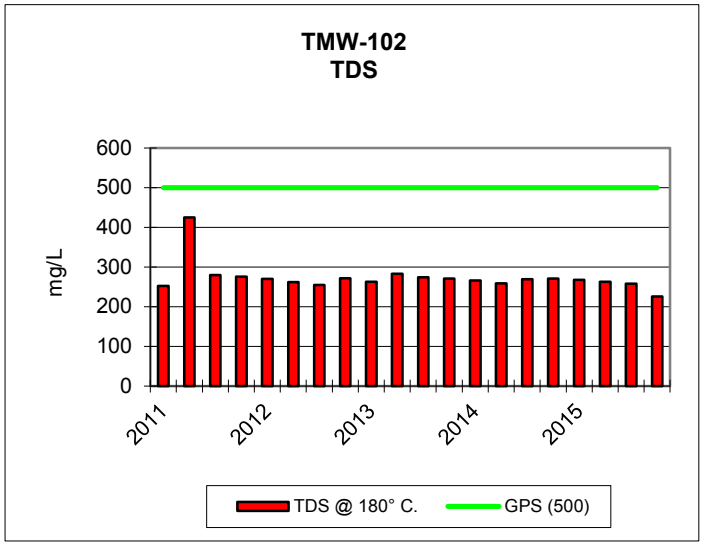

TMW-101
TDS
mg/L
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-101
Combined Ra226/Ra228
pCi/L
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

KENNECOTT URANIUM COMPANY														
TMW-102		2011				2012				2013				2014
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/21/2011	4/18/2011	8/16/2011	10/25/2011	2/7/2012	5/9/2012	8/19/2012	10/23/2012	2/19/2013	4/29/2013	7/23/2013	10/21/2013	1/27/2014
TDS A/C Balance *(dec. %)*		3.72	-3.21	4.44	13.1	11.5	15.2	6.31	13.7	4.7	8.95	6.96	5.7	5
Alk-CaC03		85	16	86	63	70	54	98	79	116	97	119	111	117
Aluminum (Al)	GPS (1.8)	0.5	0.4	0.6	0.6	0.7	0.7	0.7	0.8	0.7	0.8	0.9	0.9	0.8
Arsenic (As)	GPS (.05)	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		<1	15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		40.5	59.8	40.6	43.2	45	44	47.7	51.1	51.6	51	52.3	49.9	52.5
Carbonate (CO3)		33	<1	26	23	24	23	35	25	26	27	31	31	28
Chloride (Cl)		4	13	4	4	4	3	4	4	3	3	3	3	3
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		496	594	502	496	574	548	539	610	596	655	628	658	642
Cond-Field *(umhos/cm)*		519	2300	565	589	699	633	743	608	588	615	629	723	561
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	0.4	0.7	1.1	0.9	1.1	0.9	0.4	1.1	1	0.9	1.1	0.8	1.1
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		<0.5	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		0.4	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
pH *(Std. Units)*	GPS (6.8)	11.2	10.1	11.2	11.1	11.3	11.2	11.1	11.5	11.3	11.4	11.2	11.3	11.3
pH (Field) *(Std. Units)*		11.4	7.5	12.4	12.9	13.5	12.8	12.8	12.88	12.9	12.6	13.55	13.5	12.8
Potassium (K)		6.6	5.8	6.7	6.6	6.7	6	7.3	6.4	6.9	5.1	6.1	6.7	6.1
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	1.31	1.71	1.11	2.44	1.61	0.42	0.79	0.84	-0.33	0.09	1.02	1.8	1.56
Radium 226 *(pCi/L)*		0.71	0.51	0.81	0.84	0.81	0.48	0.59	0.64	0.67	0.69	1.1	1.1	0.66
Radium 228 *(pCi/L)*		0.6	1.2	0.3	1.6	0.8	-0.06	0.2	0.2	-1	-0.6	-0.08	0.7	0.9
Selenium (Se)	GPS (.01)	<0.001	0.006	0.002	0.002	0.001	0.001	0.002	0.001	0.002	0.001	0.001	<0.001	0.001
Silica (SiO2)		29.7	22.6	35.9	33.9	27.6	26	35.5	31.6	32	30.7	29	29.9	29
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		36.4	40	38	36.5	35.7	33.4	34.4	35	34.3	33.2	28.6	33.5	33.1
TDS @ 180° *C.*	GPS (500)	252	425	280	276	270	262	255	272	263	283	274	271	266
Sulfate (SO4)		80	228	81	78	78	74	72	73	69	67	66	65	66
Temperature *(C)*		9.9	13	13.8	8.4	6.7	11.9	13.5	7.4	8.1	10.7	11.2	11.6	7.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	0.06
Uranium, natural *(pCi/L)*	GPS (36)	0.8	8.3	1.4	1	1.8	0.9	0.3	0.2	0.2	0.5	0.2	0.2	<0.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY								
TMW-102					2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	4/22/2014	7/22/2014	10/28/2014	1/26/2015	5/4/2015	7/22/2015	12/2/2015
TDS A/C Balance *(dec. %)*		14.7	12.3	2.94	3.24	6.11	7.75	4.31
Alk-CaC03		90	96	141	132	107	108	92
Aluminum (Al)	GPS (1.8)	0.9	1	1	1	0.8	0.8	1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		<1	<1	<1	<1	<1	<1	<1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		55	55.6	56.7	55.5	55.2	55.4	35.8
Carbonate (CO3)		28	28	56	31	28	37	27
Chloride (Cl)		3	3	3	3	3	3	3
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		644	666	614	641	654	650	611
Cond-Field *(umhos/cm)*		609	570	730	636	724	395	799
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.1	0.1	0.2	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	0.7	0.8	0.9	2.6	0.2	1.3	0.5
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		0.2	0.2	0.2	0.1	0.1	ND	0.1
pH *(Std. Units)*	GPS (6.8)	11.3	11.3	11.2	11.4	11.3	11.2	11.3
pH (Field) *(Std. Units)*		13	13.7	11.14	11.24	12.38	13.33	11.72
Potassium (K)		6.5	6.1	6.6	6	5.5	6.2	4.6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	1.54	5.1	2.53	1.08	1.47	1.44	1.88
Radium 226 *(pCi/L)*		0.74	1	0.83	0.98	0.67	0.94	0.58
Radium 228 *(pCi/L)*		0.8	4.1	1.7	0.1	0.8	0.5	1.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.006
Silica (SiO2)		28.5	28	28.5	27.9	26.7	25.9	23.2
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		34.8	33.4	34.7	34.9	27.5	30.8	24.9
TDS @ 180° *C.*	GPS (500)	259	269	271	268	263	258	226
Sulfate (SO4)		67	67	64	68	66	67	65
Temperature *(C)*		10.5	13.6	10.1	8.8	10.4	10.6	11.74
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.03	0.07	0.2	0.03	0.07	0.07	0.1
Uranium, natural *(pCi/L)*	GPS (36)	0.3	<0.2	0.3	0.3	ND	ND	6.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

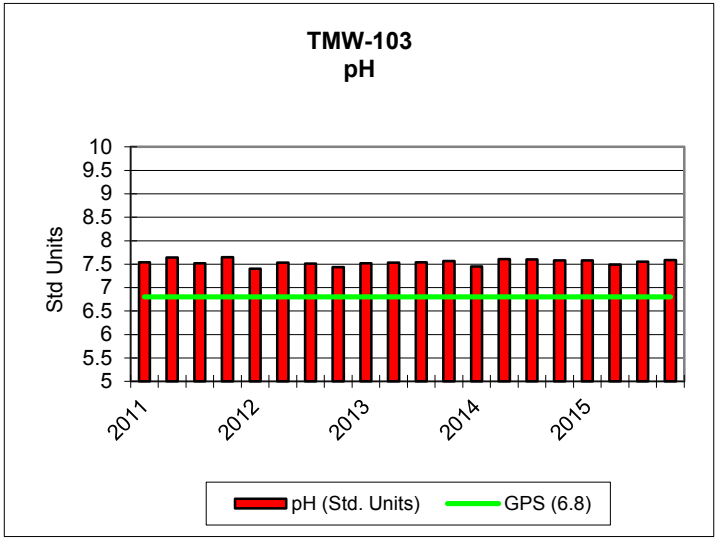

TMW-102
pH
Std. Units
15
14
13
12
11
10
9
8
7
6
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

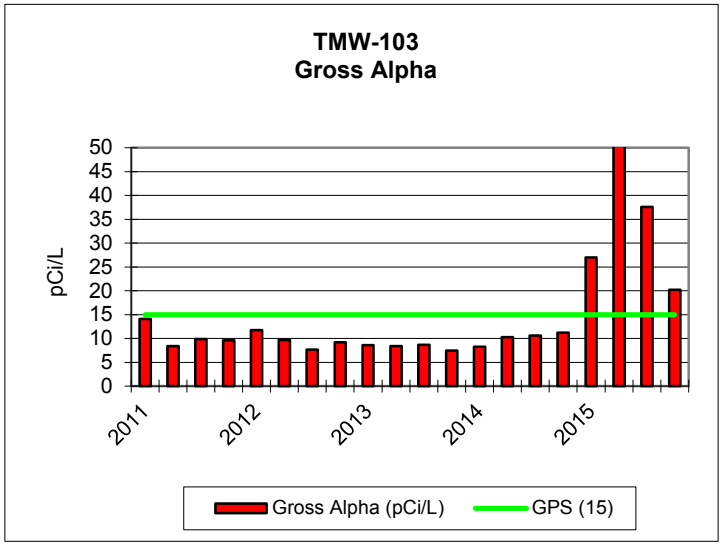

TMW-102
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

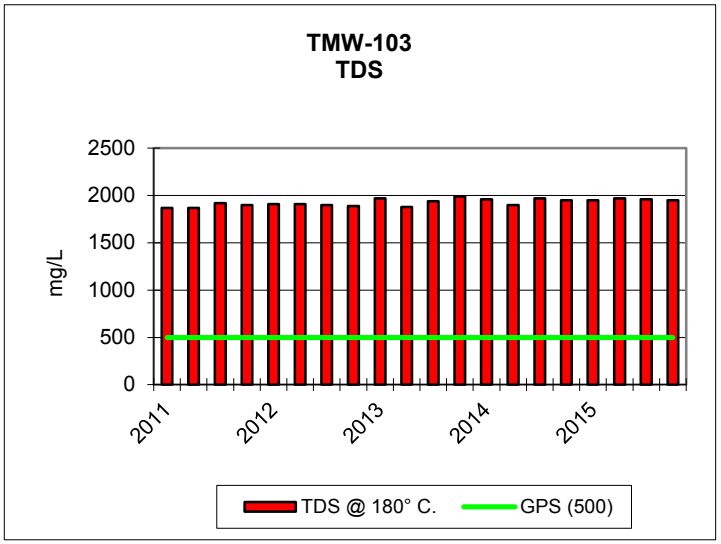
TMW 102

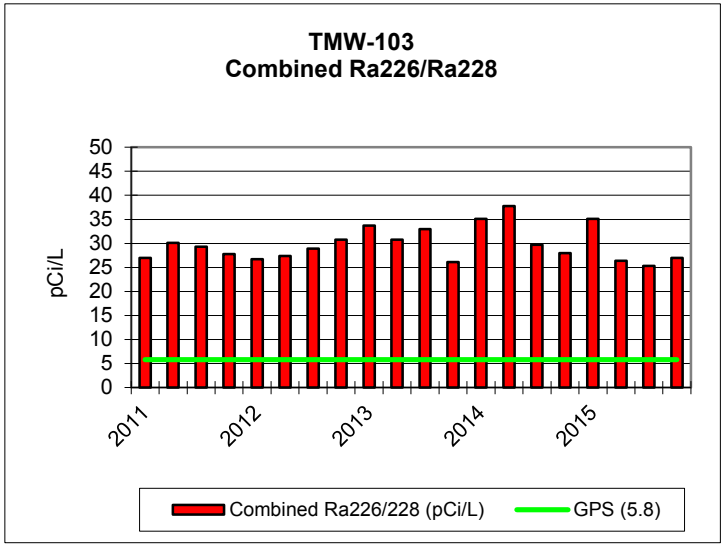
KENNECOTT URANIUM COMPANY																
TMW-103		2011				2012				2013				2014		
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/18/2011	4/4/2011	7/17/2011	10/23/2011	1/17/2012	4/23/2012	7/13/2012	10/15/2012	1/21/2013	4/2/2013	7/7/2013	10/14/2013	1/13/2014	4/7/2014	7/8/2014
TDS A/C Balance *(dec. %)*		-2.44	-0.143	-2.29	0.0725	1.65	-2.13	1.74	1.25	1.87	0.758	1.33	-0.279	0.806	0.03	0.36
Alk-CaC03		32	32	30	26	24	26	24	26	24	24	25	28	25	27	24
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002	0.001	0.003	0.002	ND
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		39	39	37	32	29	32	29	32	29	30	31	34	31	33	30
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		384	402	401	404	423	379	417	431	429	408	405	424	399	410	404
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		137	139	138	147	149	145	142	147	145	139	124	128	123	123	127
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	<0.001	0.001	0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		2160	2180	2200	2210	2280	2160	2250	2200	2250	2220	2260	2250	2220	2230	2260
Cond-Field *(umhos/cm)*		2270	2290	2370	2290	2270	2290	2370	2290	2300	2390	2370	2510	2530	2320	2170
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	14.1	8.4	9.9	9.6	11.8	9.7	7.7	9.2	8.6	8.4	8.7	7.5	8.3	10.3	10.6
Iron (Fe)	GPS (0.6)	0.09	0.17	0.06	0.21	0.09	<0.05	<0.05	<0.05	<0.05	0.13	0.07	0.13	0.09	0.1	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		29.5	31.5	29.1	31.1	31.6	31.3	31.7	32.1	32.5	31	31.5	30.3	31.9	30	30.9
Manganese (Mn)	GPS (0.2)	0.17	0.16	0.17	0.16	0.16	0.16	0.17	0.16	0.15	0.15	0.15	0.16	0.16	0.15	0.14
Mercury (Hg)		<0.0002	<0.0002	<0.0002	0.0003	0.0002	0.0002	0.0004	0.0003	<0.0002	0.0003	0.0003	0.0003	0.0005	0.0003	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.54	7.64	7.52	7.65	7.4	7.53	7.51	7.44	7.52	7.53	7.54	7.57	7.45	7.61	7.6
pH (Field) *(Std. Units)*		6.8	7.7	7.2	7.1	6.8	7.7	7.2	7.1	6.78	7.4	8	6.9	6.5	10.5	8.3
Potassium (K)		5.5	5.9	5.4	5.7	5.9	5.4	6.3	5.9	5.9	5.7	6.2	5.8	5.8	5.7	6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	27	30.1	29.3	27.8	26.7	27.4	28.9	30.8	33.7	30.8	33	26.1	35.1	37.8	29.7
Radium 226 *(pCi/L)*		10	8.2	8.8	6.9	8	8.2	8.7	9.2	7.6	7.4	9.6	6.5	9.4	9.7	7.7
Radium 228 *(pCi/L)*		17	21.9	20.5	20.9	18.7	19.2	20.2	21.6	26.1	23.4	23.4	19.6	25.7	28.1	22
Selenium (Se)	GPS (.01)	0.005	0.001	<0.001	<0.001	0.002	0.003	<0.001	<0.001	0.002	<0.001	<0.001	0.003	<0.001	<0.001	<0.001
Silica (SiO2)		11.6	11.8	11.3	10.3	10.7	8.5	10.1	6.8	9.3	9.1	9.2	8.8	8.8	9.7	8.2
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		83.2	94	81.8	90	91.5	90	116	94	96.6	94.1	97.7	90.2	96.2	87.9	96.5
TDS @ 180° *C.*	GPS (500)	1870	1870	1920	1900	1910	1910	1900	1890	1970	1880	1940	1990	1960	1900	1970
Sulfate (SO4)		1060	1080	1100	1060	1070	1060	1110	1100	1100	1070	1080	1140	1080	1100	1090
Temperature *(C)*		10.3	12	13.3	13.4	10.3	12	13.3	13.4	9.5	11.3	13.7	9.5	8.1	7.5	13.5
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.03	<0.01	0.06	0.2	0.2	0.09
Uranium, natural *(pCi/L)*	GPS (36)	12.9	9.2	7.5	11.6	3.8	6.7	6.4	7.7	9.4	5.6	7.1	7.9	11.6	10.1	9.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.02	0.02	0.02	0.03

KENNECOTT URANIUM COMPANY						
TMW-103			2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	10/29/2014	1/26/2015	4/22/2015	7/22/2015	11/16/2015
TDS A/C Balance *(dec. %)*		0.8	0.69	0.07	1.93	0.52
Alk-CaC03		23	26	22	23	13
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.003	0.003	0.002	0.002	0.003
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		28	32	27	28	
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		411	421	419	427	414
Carbonate (CO3)		<1	<1	<1	<1	<1
Chloride (Cl)		129	131		127	131
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		2250	2250	2290	2290	2250
Cond-Field *(umhos/cm)*		2330	2060	2140	2190	2410
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.3	0.3	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	11.2	27	60.8	37.6	20.2
Iron (Fe)	GPS (0.6)	0.14	0.12	<0.05	0.14	0.11
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	-0.02	0.5	0.9	0.5
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		31.8	30.6	31.2	31	31
Manganese (Mn)	GPS (0.2)	0.14	0.13	0.14	0.13	0.13
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.58	7.58	7.49	7.55	7.59
pH (Field) *(Std. Units)*		7.21	7.86	7.82	7.88	7.82
Potassium (K)		6.1	5.9	5.9	6.6	5.9
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	28	35.1	26.4	25.3	27
Radium 226 *(pCi/L)*		7.7	9.9	8.8	7.6	7.1
Radium 228 *(pCi/L)*		20.3	25.2	17.6	17.7	19.9
Selenium (Se)	GPS (.01)	0.001	<0.002	1.001	<0.003	0.002
Silica (SiO2)		8	8	8	8.1	7.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		99.4	100	96	97.4	97.1
TDS @ 180° *C.*	GPS (500)	1950	1950	1970	1960	1950
Sulfate (SO4)		1110	1130	1130	1110	1120
Temperature *(C)*		10.8	10.1	9.6	10	9.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	0.05	0.3	0.07	0.2
Uranium, natural *(pCi/L)*	GPS (36)	13.1	15.3	14.2	12.9	16
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01


TMW-103
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

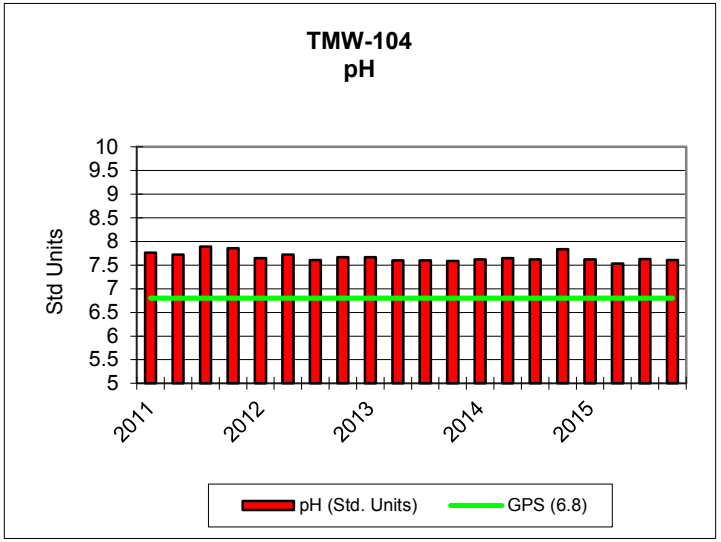

TMW-103
Gross Alpha
pCi/L
50
45
40
35
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Gross Alpha (pCi/L)
GPS (15)

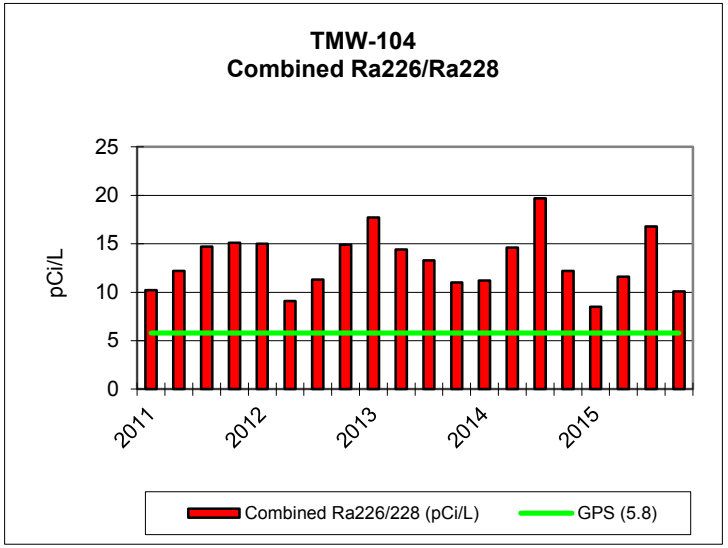

TMW-103
TDS
mg/L
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

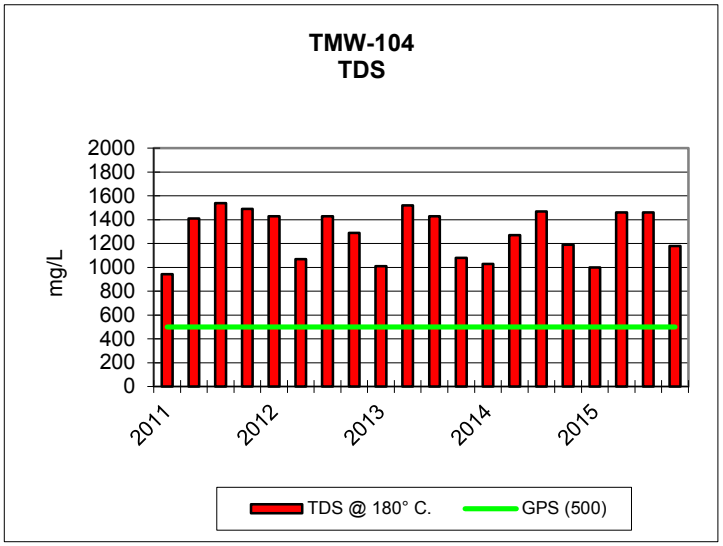

TMW-103
Combined Ra226/Ra228
pCi/L
50
45
40
35
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

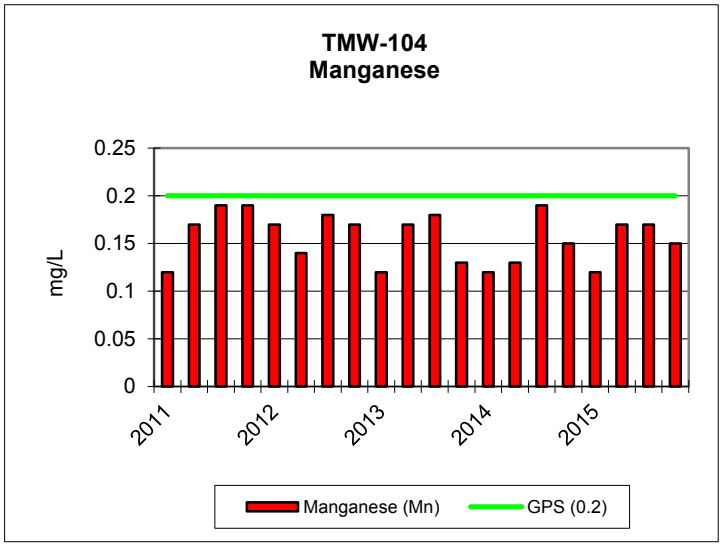
KENNECOTT URANIUM COMPANY																	
TMW-104		2011				2012				2013				2014			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/26/2011	6/6/2011	8/1/2011	11/15/2011	1/30/2012	5/7/2012	8/19/2012	12/11/2012	1/28/2013	6/11/2013	8/13/2013	10/29/2013	2/3/2014	4/8/2014	7/15/2014	11/19/2014
TDS A/C Balance *(dec. %)*		-2.8	-2.23	-3.46	-0.834	-2.03	-2.87	-1.13	1.02	1.17	0.741	2.52	1.46	2.65	0.54	1.22	0.23
Alk-CaC03		142	119	112	109	118	112	125	127	121	115	130	126	124	119	123	124
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		173	145	136	133	144	137	153	155	147	141	159	153	152	145	150	151
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		211	290	319	318	308	213	313	308	228	328	320	239	210	273	324	255
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		20	28	31	28	27	20	27	24	19	26	24	19	20	24	27	21
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
Cond *(umhos/cm)*		1240	1630	1790	1770	1690	1350	1650	1530	1260	1730	1680	1350	1310	1520	1760	1460
Cond-Field *(umhos/cm)*		1325	1762	1879	1734	1756	1396	1729	1568	1284	1756	1851	1390	1386	1627	1773	1497
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	<0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	1.9	2.7	3.5	5.7	4	2.5	3.2	4.1	4	6.3	5.6	3.8	2.2	2.4	2.6	3.3
Iron (Fe)	GPS (0.6)	0.15	0.08	0.09	0.14	0.05	0.07	<0.05	<0.05	<0.05	0.2	<0.05	0.06	<0.05	<0.05	<0.05	0.06
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.05	<1	0.7	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		15.6	22.5	25	24	24.4	16.1	24	22.9	18	25.1	24.7	18.3	15.5	20.5	27.8	19.7
Manganese (Mn)	GPS (0.2)	0.12	0.17	0.19	0.19	0.17	0.14	0.18	0.17	0.12	0.17	0.18	0.13	0.12	0.13	0.19	0.15
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.76	7.72	7.89	7.86	7.65	7.72	7.61	7.67	7.67	7.6	7.6	7.59	7.62	7.65	7.62	7.84
pH (Field) *(Std. Units)*		7.2	7.6	7.5	7.7	7.6	7.6	7.4	7.59	7.59	7.6	7.48	7.9	7.9	7.8	7.8	7.44
Potassium (K)		4	4.6	4.8	5	4.7	3.8	5.2	4.6	4.1	4.8	5	4.2	3.7	4.6	5.2	4.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	10.2	12.2	14.7	15.1	15	9.1	11.3	14.9	17.7	14.4	13.3	11	11.2	14.6	19.7	12.2
Radium 226 *(pCi/L)*		2	3	3.5	3.7	3.3	2.1	2.6	2.9	3.9	3.8	2.9	2.2	2.1	4.2	3.3	2.9
Radium 228 *(pCi/L)*		8.2	9.2	11.2	11.4	11.7	7	8.7	12	13.8	10.6	10.4	8.8	9.1	10.4	16.4	9.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.1	12.1	12.2	12.8	13.8	12.2	14	12	14.1	12	13	13.9	11.7	10.7	13.8	12.6
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		52.2	64.4	66.8	68.9	66.2	55.2	66.2	63.9	57.4	69.2	70.3	57.8	52.9	64.2	73	59.7
TDS @ 180° *C.*	GPS (500)	943	1410	1540	1490	1430	1070	1430	1290	1010	1520	1430	1080	1030	1270	1470	1190
Sulfate (SO4)		557	815	933	881	869	599	855	751	584	874	811	604	570	739	917	676
Temperature *(C)*		8.9	12.3	11.5	10.2	10.8	10	11.6	10.2	10.3	12.3	13.1	8.8	11.5	9.5	12.1	9.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.03	0.07	0.2	0.02
Uranium, natural *(pCi/L)*	GPS (36)	10.4	13.2	16.7	13.9	13.9	8.9	15.6	14.3	11.1	16.6	15.9	12.2	9.9	12.2	16.8	15.5
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY					
TMW-104		2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/3/2015	6/3/2015	8/12/2015	12/16/2015
TDS A/C Balance *(dec. %)*		0.13	0.04	0.73	2.07
Alk-CaC03		119	121	122	110
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		145	147	149	134
Boron (B)		<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		216	314	318	259
Carbonate (CO3)		<1	<1	<1	<1
Chloride (Cl)		19	26	26	21
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1270	1760	1780	1450
Cond-Field *(umhos/cm)*		1291	1785	1750	846
Copper (Cu)		<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	<0.1	0.2	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	5.7	20.2	36.6	7.4
Iron (Fe)	GPS (0.6)	0.13	0.13	0.18	0.15
Lead (Pb210) *(pCi/L)*	GPS (8.9)	0.6	0.4	-0.7	-0.7
Lead (Pb)		<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		15.8	24	24.5	19.6
Manganese (Mn)	GPS (0.2)	0.12	0.17	0.17	0.15
Mercury (Hg)		<0.0003	<0.0004	<0.0005	<0.0006
Molybdenum (Mo)		1.01	2.01	3.01	4.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.62	7.53	7.63	7.61
pH (Field) *(Std. Units)*		7.6	7.62	7.24	7.59
Potassium (K)		4.2	5	5.2	4.4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	8.5	11.6	16.8	10.1
Radium 226 *(pCi/L)*		1.6	2.7	3.2	2.4
Radium 228 *(pCi/L)*		6.9	8.9	13.6	7.7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		12.5	12.6	12.5	13
Silver (Ag)		<0.01	<0.01	<0.01	<0.01
Sodium (Na)		57.4	68.4	67.4	61.6
TDS @ 180° *C.*	GPS (500)	1000	1460	1460	1180
Sulfate (SO4)		564	846	868	666
Temperature *(C)*		8.7	9.5	10.9	7.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.07	0.1	0.03	0.005
Uranium, natural *(pCi/L)*	GPS (36)	10.9	13.9	13.1	10.6
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01

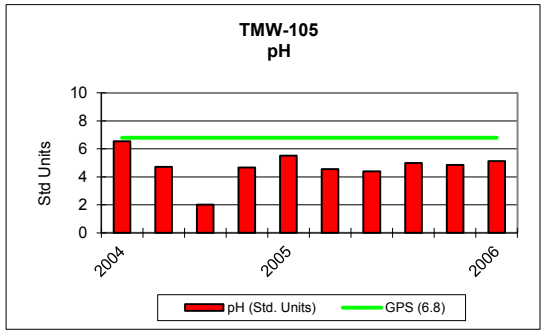

TMW-104
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

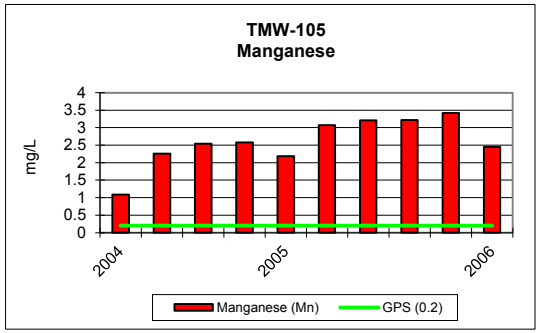

TMW-104
Combined Ra226/Ra228
pCi/L
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

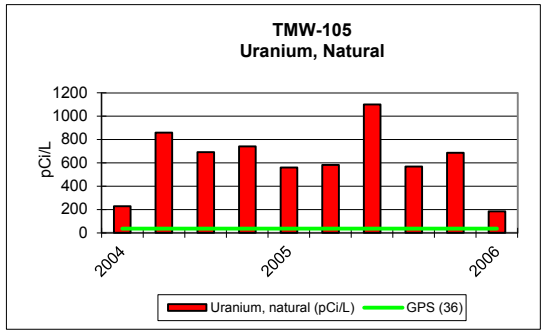

TMW-104
TDS
mg/L
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

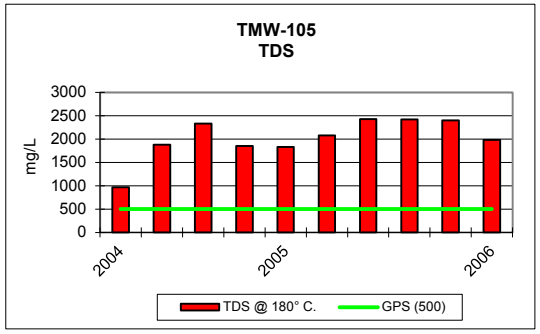

TMW-104
Manganese
mg/L
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

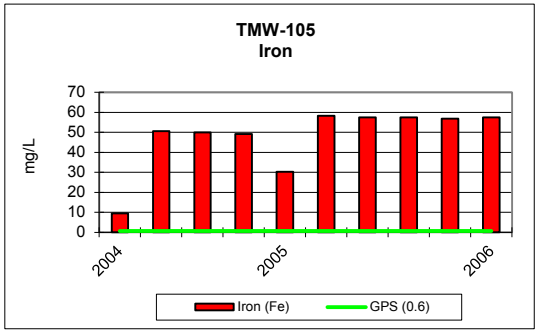
KENNECOTT URANIUM COMPANY												
TMW-105		2004				2005					2006	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/19/2004	4/12/2004	7/13/2004	10/12/2004	1/12/2005	4/11/2005	7/18/2005	10/5/2005	10/31/2005	1/19/2006	*Final well sample collected on January 19, 2006. The well was subsequently removed by Catchment Basin excavation.*
TDS A/C Balance *(dec. %)*		1.02	1.13	1.23	1.13	1.1	1.14	1.08	1.1	1.05	1.13	
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Aluminum (Al)	GPS (1.8)	<0.1	2.4	2.9	2.8	1.3	3.7	3.5	2.8	2.6	1.1	
Alk-CaC03		39.5	1.6	<1	<1	20	<1	<1	2	<1	5	
Arsenic (As)	GPS (.05)	<0.001	<0.001	0.002	0.001	0.002	0.003	0.001	0.001	0.001	0.001	
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Boron (B)		<0.1	0.16	0.2	0.2	<0.1	<0.1	0.1	0.1	0.2	<0.1	
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Calcium (Ca)		168	303	334	328	322	333	429	406	427	310	
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Chloride (Cl)		23	67.3	56	66	54	84	113	118	128	89	
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Cobalt (Co)		0.067	0.136	0.16	0.153	0.117	0.184	0.193	0.197	0.202	0.177	
Chromium (Cr)	GPS (.05)	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Copper (Cu)		<0.01	0.01	0.03	0.02	<0.01	0.02	0.04	0.03	0.03	0.14	
Cond *(umhos/cm)*		1300	2180	5840	2380	2040	2410	2700	2710	2890	2330	
Cond-Field *(umhos/cm)*		800	1120	580	1140	980	1400	1240	980		860	
Fluoride (F)		0.2	0.4	0.4	0.4	0.3	0.4	0.4	0.5	<0.1	0.4	
Iron (Fe)	GPS (0.6)	9.41	50.5	50	49.1	30.3	58.3	57.5	57.5	56.8	57.4	
Gross Alpha *(pCi/L)*	GPS (15)	19.1	22.4	23.6	14.9	12.8	14.7	27.7	15.9	18.2	8.8	
Bicarbonate (HCO3)		48.2	1.9	<1	<1	25	<1	<1	3	<1	6	
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Potassium (K)		5.8	6.5	6	6.9	6.8	7.2	6.4	7	7.2	7.4	
Magnesium (Mg)		24.8	51.4	62.9	49.6	51.7	54	64.8	67.3	68.7	48.2	
Manganese (Mn)	GPS (0.2)	1.09	2.26	2.54	2.58	2.19	3.07	3.21	3.22	3.42	2.45	
Molybdenum (Mo)		<0.01	<0.01	<0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Sodium (Na)		60.5	73	92	70	71.5	84	106	107	104	85.9	
Nickel (Ni)	GPS (.01)	0.08	0.13	0.15	0.17	0.13	0.19	0.21	0.2	0.23	0.2	
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Lead (Pb)		<0.01	0.04	<0.03	0.04	0.03	0.05	0.04	0.03	0.03	0.05	
pH *(Std. Units)*	GPS (6.8)	6.54	4.7	2.01	4.66	5.5	4.54	4.39	4.99	4.85	5.11	
pH (Field) *(Std. Units)*		6.8	3.6	51	3.7	4.4	3.9	3.5	4.38		5.15	
Radium 226 *(pCi/L)*		18.7	10.7	14.1	12	9.5	11.9	18.3	16.7	13.4	6.3	
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	22.4	36.5	27.2	25	18.6	26.2	35.3	37	29.1	16.6	
Radium 228 *(pCi/L)*		3.7	25.8	13.1	13	9.1	14.3	17	20.3	15.7	10.3	
Selenium (Se)	GPS (.01)	0.01	0.013	0.018	0.021	0.01	0.054	0.064	0.083	0.086	0.031	
Silica (SiO2)		28	53.1	51	53	43	50	55	52	51	44	
Sulfate (SO4)		637	1160	1290	1060	1100	1210	1490	1440	1500	1160	
TDS @ 180° *C.*	GPS (500)	964	1880	2330	1850	1830	2080	2430	2420	2400	1980	
Temperature *(C)*		8	19	40	27	10	18	32	11.3		9.5	
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	1.1	<0.2	3.9	<0.2	0.6	<0.2	
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Uranium, natural *(pCi/L)*	GPS (36)	228	858	692	741	560	582	1100	569	687	183	
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Zinc (ZN)		0.17	0.43	0.77	0.74	0.5	0.7	0.72	0.67	0.67	0.69	

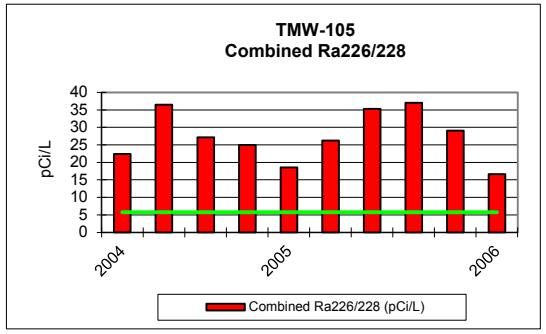

TMW-105
pH
Std Units
10
8
6
4
2
0
2004
2005
2006
pH (Std. Units)
GPS (6.8)

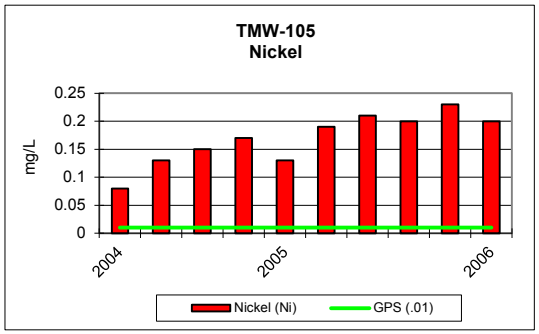

TMW-105
Manganese
mg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
2004
2005
2006
Manganese (Mn)
GPS (0.2)

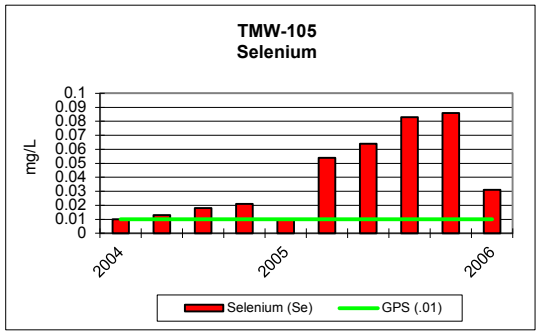

TMW-105
Uranium, Natural
pCi/L
1200
1000
800
600
400
200
0
2004
2005
2006
Uranium, natural (pCi/L)
GPS (36)


TMW-105
TDS
mg/L
3000
2500
2000
1500
1000
500
0
2004
2005
2006
TDS @ 180° C.
GPS (500)


TMW-105
Iron
mg/L
70
60
50
40
30
20
10
0
2004
2005
2006
Iron (Fe)
GPS (0.6)

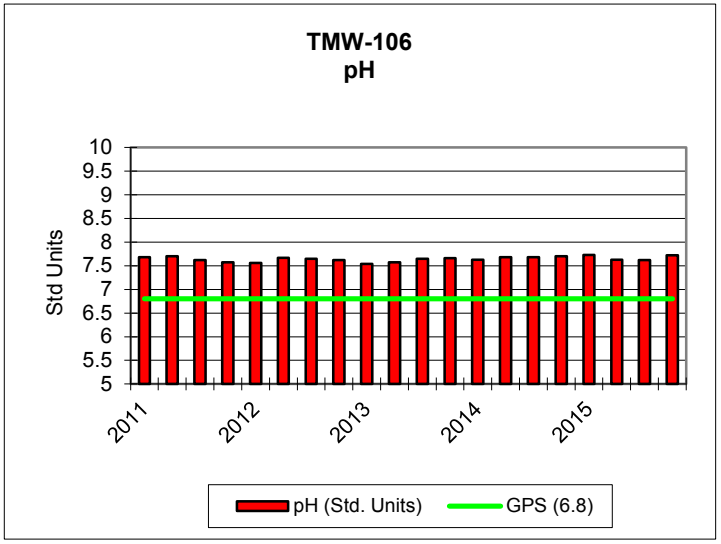

TMW-105
Combined Ra226/228
pCi/L
40
35
30
25
20
15
10
5
0
2004
2005
2006
Combined Ra226/228 (pCi/L)

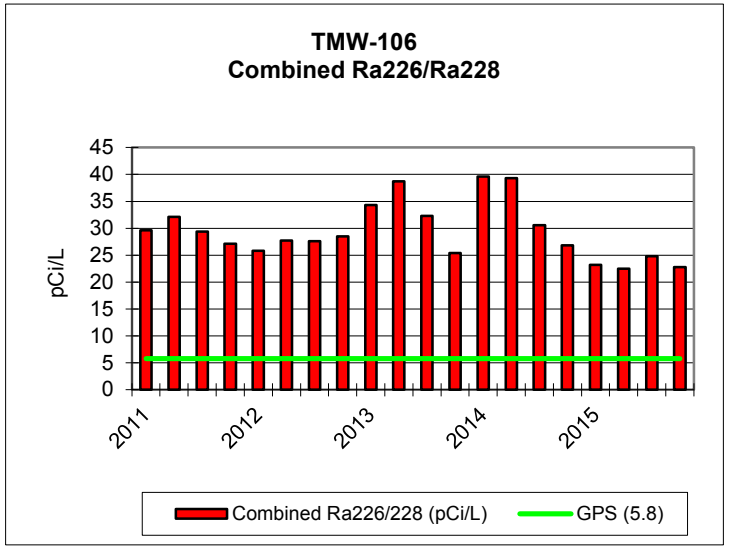

TMW-105
Nickel
mg/L
0.25
0.2
0.15
0.1
0.05
0
2004
2005
2006
Nickel (Ni)
GPS (.01)

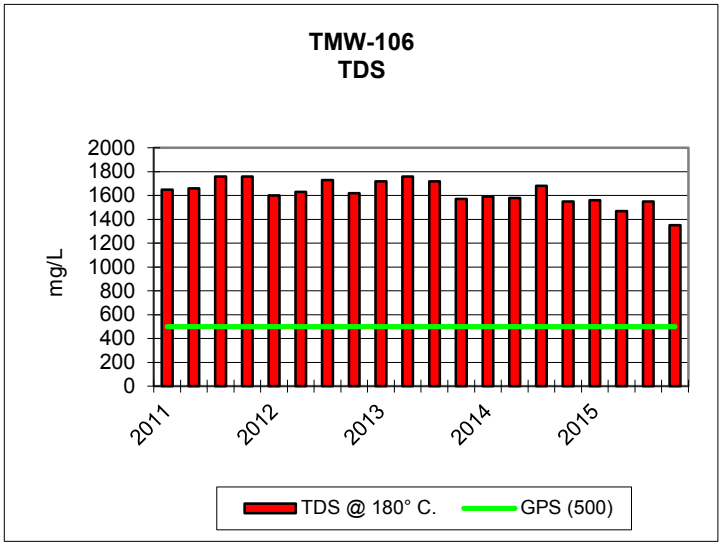

TMW-105
Selenium
mg/L
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
2004
2005
2006
Selenium (Se)
GPS (.01)

KENNECOTT URANIUM COMPANY																	
TMW-106		2011				2012				2013				2014			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/18/2011	4/5/2011	7/17/2011	10/23/2011	1/17/2012	4/23/2012	7/13/2012	10/15/2012	1/21/2013	4/2/2013	7/7/2013	10/14/2013	1/13/2014	4/7/2014	7/8/2014	10/29/2014
TDS A/C Balance *(dec. %)*		-2.53	-1.05	1.86	-0.691	2.67	-1.95	-0.342	-2.84	1.76	1.98	1.54	0.385	1.49	1.97	0.23	0.73
Alk-CaC03		41	38	35	30	37	40	33	40	32	29	35	44	41	39	45	43
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002	0.001	0.003	0.002	<0.001	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		50	46	42	36	45	48	41	49	39	35	42	54	50	48	55	52
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		339	358	378	378	375	326	359	331	382	409	360	344	337	336	352	341
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		123	128	125	130	116	116	121	119	128	136	121	110	110	116	121	113
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1940	1980	2040	2070	1990	1890	2040	1910	2050	2080	2030	1870	1880	1930	2000	1890
Cond-Field *(umhos/cm)*		1986	2130	2240	2210	2050	2130	2260	1982	2140	2320	2250	2130	2140	2180	2040	1924
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	10.5	9.7	10.3	12.2	13.6	11	9.9	9.1	9.2	11.2	11.4	8.1	7.9	9.6	11.5	11.6
Iron (Fe)	GPS (0.6)	0.17	0.06	<0.05	0.12	0.1	0.15	<0.05	<0.05	<0.05	0.13	0.12	0.17	0.15	0.14	0.05	0.18
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.5	0.9	0.7	1.1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		26.1	28.1	27.6	29.2	28	27.6	28	27.3	30.3	28.5	28.2	24.7	26.2	24.6	27	26.3
Manganese (Mn)	GPS (0.2)	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12
Mercury (Hg)		<0.0002	<0.0002	0.0002	0.0002	<0.0002	<0.0002	0.0005	0.0002	<0.0002	0.0004	0.0004	0.0003	0.0004	0.0003	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	3.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.68	7.7	7.62	7.57	7.56	7.67	7.65	7.62	7.54	7.57	7.65	7.66	7.63	7.68	7.68	7.7
pH (Field) *(Std. Units)*		6.9	7.8	7.6	7.9	7.8	7.9	7.5	7.37	7.07	7	8	7.8	7.8	8.2	8.4	7.57
Potassium (K)		5.2	5.6	5.3	5.6	5.8	5.1	5.9	5.4	5.8	5.4	5.9	5.4	5	5.1	5.5	5.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	29.6	32.1	29.4	27.1	25.8	27.7	27.6	28.5	34.3	38.7	32.3	25.4	39.6	39.3	30.6	26.8
Radium 226 *(pCi/L)*		11	9.4	9.4	10	8.5	9	8	9.7	11	9.7	11	8.2	11	11	8.5	7
Radium 228 *(pCi/L)*		18.6	22.7	20	17.1	17.3	18.7	19.6	18.8	23.3	29	21.3	17.2	28.6	28.3	22.1	19.8
Selenium (Se)	GPS (.01)	0.002	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		11.2	11.7	11.3	9.9	11.3	8.4	10.5	9.9	9.4	9.1	9.8	9.8	9.9	10.7	9.3	10
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		71.9	83.8	76	80.9	80.1	80.6	86.1	78.2	84.3	81.9	85.4	74.6	79	72.5	82.3	81.5
TDS @ 180° *C.*	GPS (500)	1650	1660	1760	1760	1600	1630	1730	1620	1720	1760	1720	1570	1590	1580	1680	1550
Sulfate (SO4)		922	965	935	998	930	911	975	934	973	1010	927	884	861	908	925	889
Temperature *(C)*		10.5	10.2	13	11.5	9.3	11.4	12.3	10.6	10.3	11.1	11.6	9.2	9.2	9.8	12.1	10.3
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	0.2	0.04	0.05	0.09	0.0006	0.005	0.02	0.1	0.2	0.2	0.08	0.2
Uranium, natural *(pCi/L)*	GPS (36)	8.9	8	8.6	11.8	7	7.8	11.2	9.6	14.9	10.6	14	14.1	13.5	12.9	13.1	17.7
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.02	<0.01

KENNECOTT URANIUM COMPANY					
TMW-106		2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/26/2015	4/22/2015	7/22/2015	11/16/2015
TDS A/C Balance *(dec. %)*		1.25	0.53	1.64	0.06
Alk-CaC03		44	46	42	51
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.002	0.003	0.002	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		53	56	52	62
Boron (B)		<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		323	316	319	286
Carbonate (CO3)		<1	<1	<1	<1
Chloride (Cl)		111	103	109	92
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1870	1810	1890	1660
Cond-Field *(umhos/cm)*		1928	1880	2050	1834
Copper (Cu)		<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	27.1	43.4	27.1	15
Iron (Fe)	GPS (0.6)	0.17	0.17	0.2	0.13
Lead (Pb210) *(pCi/L)*	GPS (8.9)	-0.4	0.01	0.3	0.2
Lead (Pb)		<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		24.7	24	24.5	22.2
Manganese (Mn)	GPS (0.2)	0.11	0.11	0.11	0.1
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.73	7.63	7.62	7.72
pH (Field) *(Std. Units)*		7.77	7.83	7.87	7.89
Potassium (K)		5.2	5.1	5.6	4.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	23.2	22.5	24.8	22.8
Radium 226 *(pCi/L)*		10	8.9	7.9	6.1
Radium 228 *(pCi/L)*		13.2	13.6	16.9	16.7
Selenium (Se)	GPS (.01)	<0.001	0.001	<0.001	0.001
Silica (SiO2)		10.2	10.1	10.1	10.7
Silver (Ag)		<0.01	<0.01	<0.01	<0.01
Sodium (Na)		81.7	76.5	77	71.4
TDS @ 180° *C.*	GPS (500)	1560	1470	1550	1350
Sulfate (SO4)		882	823	874	754
Temperature *(C)*		9.3	9.2	9.5	8.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.03	0.1	0.02	0.04
Uranium, natural *(pCi/L)*	GPS (36)	12.8	11.3	12.5	13.8
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01

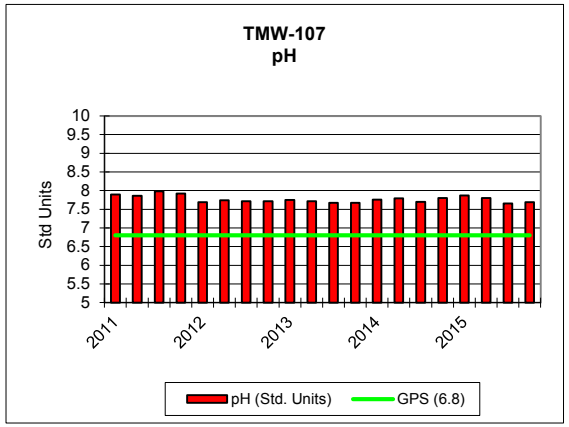

TMW-106
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

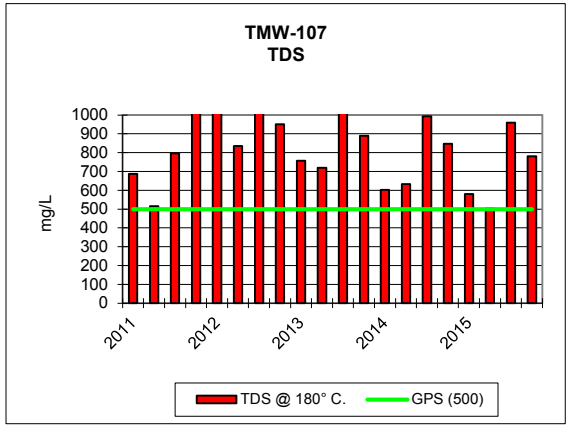

TMW-106
Combined Ra226/Ra228
pCi/L
45
40
35
30
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

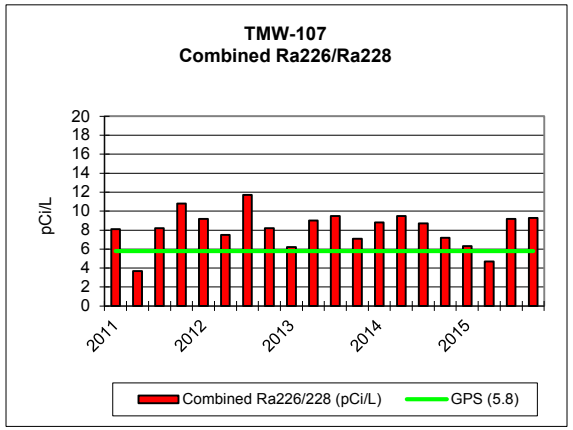

TMW-106
TDS
mg/L
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

KENNECOTT URANIUM COMPANY														
TMW-107		2011				2012				2013				2014
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/18/2011	4/11/2011	7/18/2011	10/18/2011	1/17/2012	4/16/2012	7/13/2012	10/15/2012	1/21/2013	4/22/2013	7/7/2013	10/14/2013	1/13/2014
TDS A/C Balance *(dec. %)*		-2.13	0.587	0.281	0.432	1.3	0.763	0.264	1.82	3.86	-1.22	2.18	-1.9	4.55
Alk-CaC03		120	121	122	114	117	120	137	126	123	124	127	126	128
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.002	0.002	0.002	0.001	0.001	<0.001	0.001	0.001	0.001	<0.001	0.002	<0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		147	147	148	139	142	147	167	153	150	152	155	154	156
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		141	112	172	260	243	185	246	218	181	153	301	190	115
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		11	9	13	20	20	16	23	20	15	15	31	20	12
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		919	749	1030	1400	1340	1120	1370	1180	1020	988	1570	1140	839
Cond-Field *(umhos/cm)*		951	808	1134	1485	1355	1201	1562	1250	1039	1093	1683	1228	930
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2
Gross Alpha *(pCi/L)*	GPS (15)	2.8	1.6	2.7	3.8	3.7	3.1	3.4	2.8	2.2	2.2	4.6	2.2	1.7
Iron (Fe)	GPS (0.6)	<0.01	0.07	<0.01	0.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		11.5	8.9	13.8	21.7	19.8	15.7	20.6	18.5	15.1	12.7	26.4	15.7	9.7
Manganese (Mn)	GPS (0.2)	0.07	0.06	0.07	0.13	0.11	0.08	0.08	0.08	0.06	0.05	0.13	0.09	0.06
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002	<0.0002
Molybdenum (Mo)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.9	7.86	7.98	7.92	7.69	7.74	7.72	7.72	7.75	7.72	7.67	7.67	7.76
pH (Field) *(Std. Units)*		7.4	7.8	7.4	7.6	7.3	7.7	7.4	7.68	7.61	7.6	7.7	7.7	8
Potassium (K)		3.3	3.3	3.2	4.1	4.2	3.5	4.1	3.8	3.7	3.3	4.2	3.6	2.9
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	8.1	3.7	8.2	10.8	9.2	7.5	11.7	8.2	6.2	9	9.5	7.1	8.8
Radium 226 *(pCi/L)*		3.2	1.6	2.5	3.1	2.8	2.2	3.7	2.8	2.1	2.5	2.8	2.3	1.9
Radium 228 *(pCi/L)*		4.9	2.1	5.7	7.7	6.4	5.3	8	5.4	4.1	6.5	6.7	4.8	6.9
Selenium (Se)	GPS (.01)	0.006	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.3	14.6	14.7	14.6	14.7	13.3	14.5	15.6	14.7	12.6	9.5	13.1	11.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		40.1	42.7	43.5	54.1	49.8	45.2	51.8	47	45.6	42.3	55.4	43.5	36.9
TDS @ 180° *C.*	GPS (500)	688	516	796	1140	1030	835	1100	950	757	720	1340	890	602
Sulfate (SO4)		362	266	422	683	610	456	618	524	411	381	743	487	293
Temperature *(C)*		10.5	11.3	12.5	10.5	7.6	10.4	12.1	11.2	11.3	8.8	11.8	9.1	8.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.1
Uranium, natural *(pCi/L)*	GPS (36)	13.1	7.9	7.8	9.4	7.5	9.1	9.6	9.5	7.6	8.8	10.8	8.7	6.1
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	0.14	0.02	<0.01

KENNECOTT URANIUM COMPANY								
TMW-107					2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	4/7/2014	7/21/2014	10/29/2014	1/21/2015	4/28/2015	7/21/2015	12/16/2015
TDS A/C Balance *(dec. %)*		1.14	3.7	0.26	0.04	0.81	0.09	1.35
Alk-CaC03		122	129	126	122	136	123	126
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		149	157	153	149	166	149	154
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		139	240	183	124	104	217	171
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		14	24	21	12	9	25	19
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		886	1270	1110	829	713	1240	
Cond-Field *(umhos/cm)*		1094	1605	1097	844	626	1432	1135
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.2	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	2	3.7	3.3	2.1	5.1	10.2	5.2
Iron (Fe)	GPS (0.6)	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	<0.01
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	-0.1	-0.1	0.3	-0.1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		11.8	20.3	16	10.7	9.1	18.5	15.5
Manganese (Mn)	GPS (0.2)	0.06	0.06	0.08	0.06	0.05	0.07	0.05
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<1	<1	<1	<1	<1	<1	<1
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.79	7.7	7.8	7.87	7.8	7.66	7.69
pH (Field) *(Std. Units)*		8	7.5	7.58	7.74	7.77	7.48	7.48
Potassium (K)		3.3	4.2	3.7	3.2	3	3.5	3.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	9.5	8.7	7.2	6.3	4.7	9.2	9.3
Radium 226 *(pCi/L)*		2.5	2.7	2.1	1.7	1.8	3	1.9
Radium 228 *(pCi/L)*		7	6	5.1	4.6	2.9	6.2	7.4
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.1	13	13.2	12.8	12.9	13.3	13
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		43	49.7	46.2	41	40	49.4	44.6
TDS @ 180° *C.*	GPS (500)	633	994	847	581	503	960	781
Sulfate (SO4)		326	553	456	294	236	550	407
Temperature *(C)*		10.5	13.5	9.9	8.7	9.1	9.8	8.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	0.04	0.3	0.04	0.08	0.2	0.009
Uranium, natural *(pCi/L)*	GPS (36)	7	9.7	10.4	7.1	7.1	9.6	7.1
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-107
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

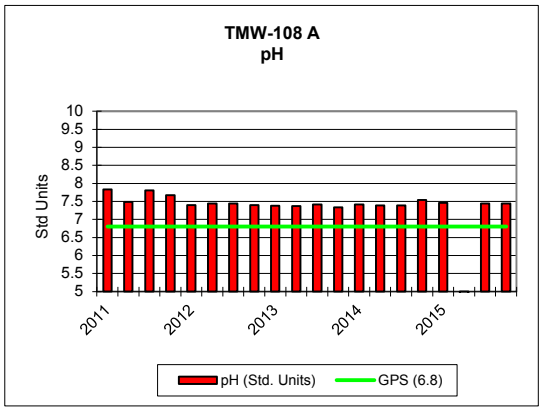

TMW-107
TDS
mg/L
1000
900
800
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

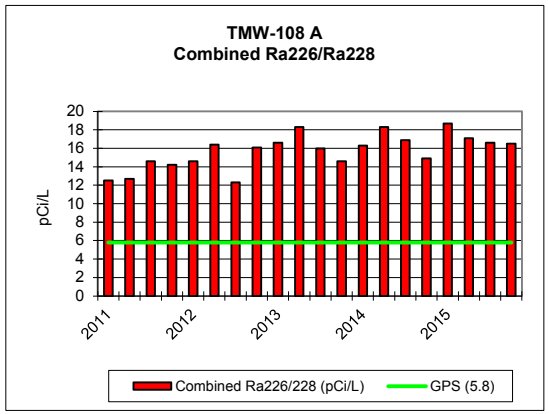

TMW-107
Combined Ra226/Ra228
pCi/L
20
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

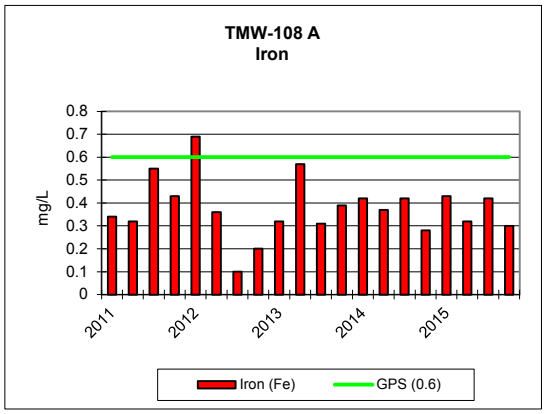
TMW 107

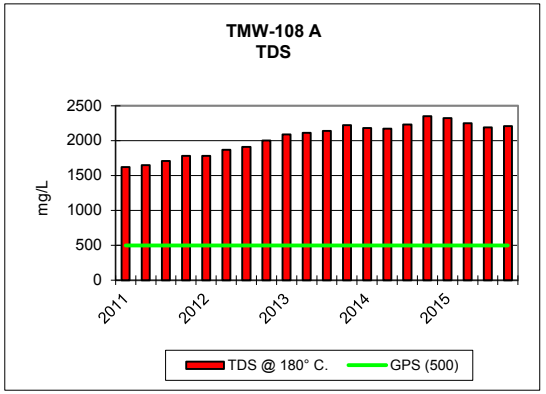
KENNECOTT URANIUM COMPANY													
TMW-108A (at 112' depth)		2011				2012				2013			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/12/2011	4/11/2011	7/17/2011	10/23/2011	1/23/2012	4/23/2012	7/13/2012	10/15/2012	1/21/2013	4/15/2013	7/7/2013	10/15/2013
TDS A/C Balance *(dec. %)*		-2.45	-0.205	1.17	-0.79	1.41	-2.4	-0.566	-2.77	0.933	0.905	0.853	-0.414
Alk-CaC03		110	102	102	93	93	100	94	108	103	102	101	103
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.003	0.004
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		134	125	124	113	114	122	115	132	126	125	123	126
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		307	323	330	335	362	332	352	373	400	417	403	422
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		66	69	68	77	82	81	85	92	98	99	99	104
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.039	0.053	0.052	0.041	0.033	0.03	0.035	0.031	0.027	0.03	0.024	0.024
Cond *(umhos/cm)*		1960	1960	1990	2050	2060	2090	2200	2190	2390	2490	2410	2440
Cond-Field *(umhos/cm)*		1959	2120	2170	2160	2050	2280	2390	2360	2430	2600	2620	2740
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	4.2	3.7	3.5	3.4	3	3.8	2.4	2.5	3.3	3	3.7	3.3
Iron (Fe)	GPS (0.6)	0.34	0.32	0.55	0.43	0.69	0.36	0.1	0.2	0.32	0.57	0.31	0.39
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1.1	1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		45.2	45.7	48.1	48.6	47.8	53.8	52.2	56.6	66.5	65.9	61.9	61.2
Manganese (Mn)	GPS (0.2)	0.26	0.28	0.26	0.25	0.24	0.25	0.25	0.25	0.25	0.26	0.25	0.25
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	0.0003	0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.06	0.07	0.08	0.06	0.05	0.04	0.05	0.04	0.05	0.05	0.04	0.04
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.83	7.49	7.81	7.67	7.4	7.44	7.44	7.4	7.38	7.37	7.42	7.34
pH (Field) *(Std. Units)*		7.4	7.3	7.3	7.4	7.6	7.4	7.3	7.49	7.47	7.5	7.5	7.4
Potassium (K)		5.7	6.1	5.4	6	6	5.8	7.5	5.9	6.7	7.3	6.3	6.6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	12.5	12.7	14.6	14.2	14.6	16.4	12.3	16.1	16.6	18.3	16	14.6
Radium 226 *(pCi/L)*		2.6	2.1	2.7	2.6	2.7	2.6	3.2	4	3.3	3.3	3.9	2.6
Radium 228 *(pCi/L)*		9.9	10.6	11.9	11.6	11.9	13.8	9.1	12.1	13.3	15	12.1	12
Selenium (Se)	GPS (.01)	0.014	0.012	0.012	0.009	0.011	0.012	0.012	0.012	0.012	0.014	0.006	0.011
Silica (SiO2)		10.5	12.2	11.9	10.6	11.8	8.5	10.6	10.1	9.6	9.8	9.7	8.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		91.2	98.3	91.8	96.5	94.6	102	126	102	117	119	109	104
TDS @ 180° *C.*	GPS (500)	1620	1650	1710	1780	1780	1870	1910	2000	2090	2110	2140	2220
Sulfate (SO4)		973	979	962	1030	1030	1080	1130	1180	1210	1260	1190	1250
Temperature *(C)*		11.3	10.9	13.6	11.4	11	12.2	11.9	12.6	10.7	10.3	10.9	9.5
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Uranium, natural *(pCi/L)*	GPS (36)	2000	1540	1660	1580	1680	1910	1840	2100	2410	2480	2470	2870
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02

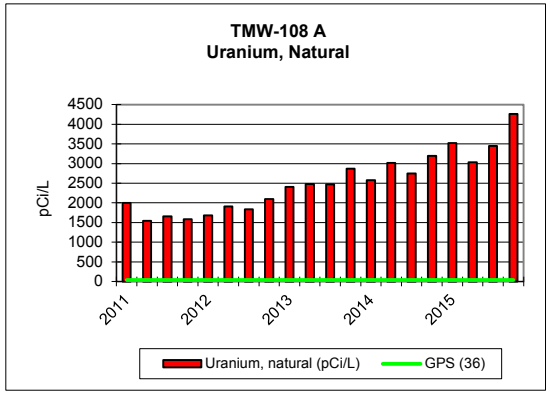
KENNECOTT URANIUM COMPANY									
TMW-108A (at 112' depth)		2014				2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/14/2014	4/1/2014	7/8/2014	11/3/2014	1/20/2015	4/21/2015	7/20/2015	11/16/2015
TDS A/C Balance *(dec. %)*		-1.38	3.09	1.53	0.59	1.02	1.37	1.88	2.18
Alk-CaC03		105	102	105	111	110	123	110	94
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.003	0.003	0.001	0.002	0.001	0.002	0.002	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		128	125	129	135	134	150	134	114
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		383	394	409	447	429	421	413	423
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		100	101	108	110	107	109	108	114
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.021	0.034	0.019	0.029	0.024	0.02	0.023	0.019
Cond *(umhos/cm)*		2410	2510	2500	2620	2510	2470	2500	2570
Cond-Field *(umhos/cm)*		2480	2700	2670	2720	2710	2400	2620	2730
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	<0.1
Gross Alpha *(pCi/L)*	GPS (15)	2.9	3.3	4.1	3.8	18	37.3	22.2	11.8
Iron (Fe)	GPS (0.6)	0.42	0.37	0.42	0.28	0.43	0.32	0.42	0.3
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	1.1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		62.6	59.4	67	74.1	71.9	69.9	72.2	68.6
Manganese (Mn)	GPS (0.2)	0.25	0.29	0.25	0.26	0.24	0.23	0.25	0.24
Mercury (Hg)		0.0003	0.0003	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.03
Nitrogen, Nitrate+Nitrite as N		0.2	0.1	0.2	0.2	0.3	0.3	ND	ND
pH *(Std. Units)*	GPS (6.8)	7.42	7.39	7.39	7.54	7.46		7.44	7.44
pH (Field) *(Std. Units)*		7.6	7.5	6.5	7.27	7.54	7.29	7.1	7.52
Potassium (K)		6	6.3	6.5	6.9	6.7	6.6	7.5	6.4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	16.3	18.3	16.9	14.9	18.7	17.1	16.6	16.5
Radium 226 *(pCi/L)*		3.8	3.3	3.2	2.7	3.5	4.6	3.4	2.7
Radium 228 *(pCi/L)*		12.5	15	13.7	12.2	15.2	12.5	13.2	13.8
Selenium (Se)	GPS (.01)	0.01	0.016	0.022	0.019	0.029	0.037	0.029	0.017
Silica (SiO2)		8.9	10.5	9.5	8.8	8.6	8.6	10.2	9.6
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		108	97.7	114	128	120	119	123	116
TDS @ 180° *C.*	GPS (500)	2180	2170	2230	2350	2320	2250	2190	2210
Sulfate (SO4)		1200	1240	1290	1360	1350	1230	1350	1360
Temperature *(C)*		11.7	9.5	11.4	9.9	9.2	9.4	9.7	8.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.04	0.05	0.09	0.2	0.009	0.2	0.1	0.06
Uranium, natural *(pCi/L)*	GPS (36)	2580	3020	2750	3200	3520	3030	3450	4260
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.02	0.04	0.01	0.01	0.02	0.01	0.01	0.01

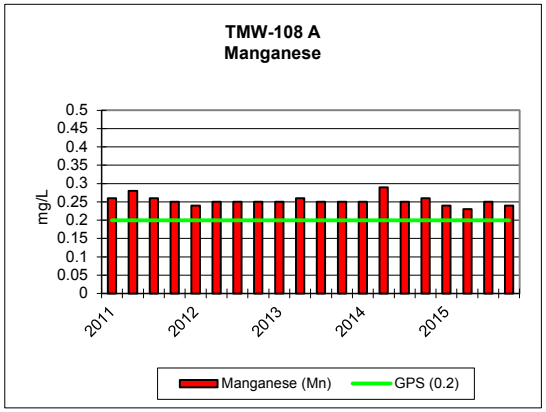

TMW-108 A
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

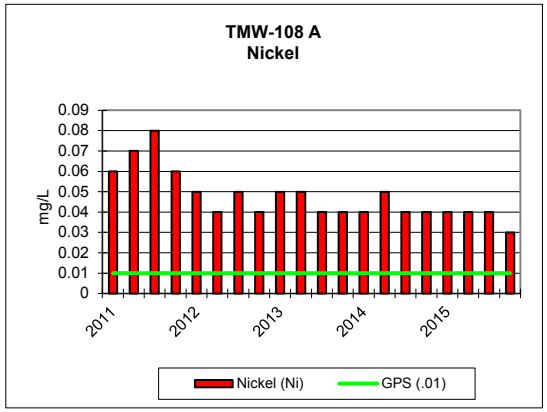

TMW-108 A
Combined Ra226/Ra228
pCi/L
20
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)


TMW-108 A
Iron
mg/L
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)


TMW-108 A
TDS
mg/L
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

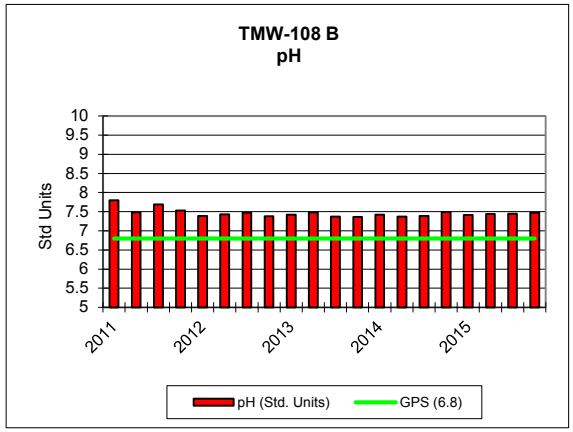

TMW-108 A
Uranium, Natural
pCi/L
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

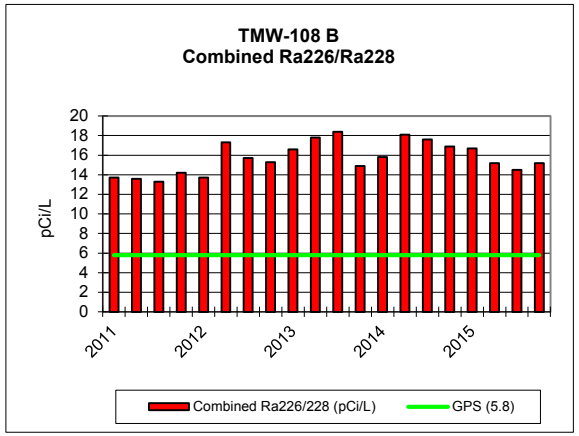

TMW-108 A
Manganese
mg/L
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

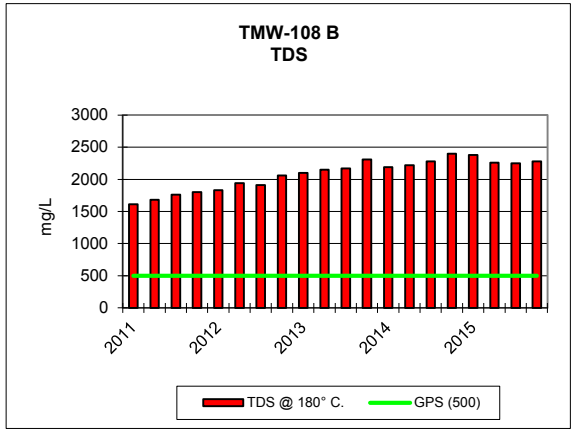

TMW-108 A
Nickel
mg/L
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

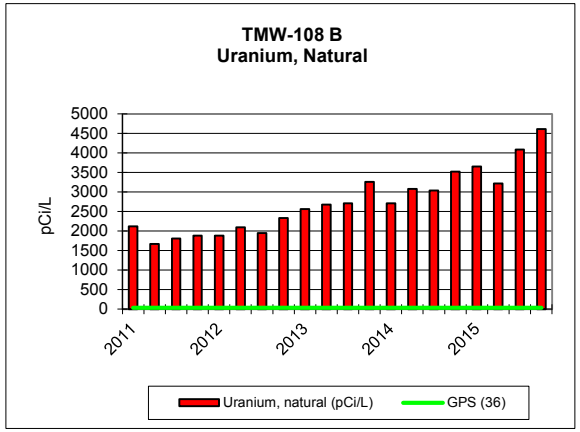
KENNECOTT URANIUM COMPANY														
TMW-108B (at 143' depth)		2011				2012				2013				2014
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/12/2011	4/11/2011	7/17/2011	10/23/2011	1/23/2012	4/23/2012	7/13/2012	10/15/2012	1/21/2013	4/15/2013	7/7/2013	10/15/2013	1/14/2014
TDS A/C Balance *(dec. %)*		-2.81	0.841	0.86	-0.13	-0.000833	-3.62	-0.643	0.345	2.51	-2.1	0.546	-0.57	0.765
Alk-CaC03		111	104	105	92	94	101	94	102	110	104	101	107	104
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.003	0.004	0.003
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		135	127	128	113	115	123	114	124	134	127	123	130	127
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		306	331	336	340	360	342	358	385	412	413	406	447	403
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		66	70	69	77	84	87	87	93	97	102	101	110	100
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.041	0.058	0.053	0.062	0.029	0.028	0.033	0.033	0.029	0.026	0.025	0.023	0.028
Cond *(umhos/cm)*		1990	1990	2040	2100	2120	2160	2230	2220	2410	2510	2450	2550	2420
Cond-Field *(umhos/cm)*		1963	2190	2270	2210	2150	2400	2420	2390	2480	2540	2620	2820	2210
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	2.7	3.2	3.4	2.1	3	3.8	2.8	3.9	4.3	2.8	3.3	3.2	3.4
Iron (Fe)	GPS (0.6)	0.3	0.58	0.49	0.19	0.5	0.33	ND	0.31	0.36	0.27	0.25	0.32	0.4
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Magnesium (Mg)		46.9	47.9	49.5	50.4	49.6	56	53.7	63.2	71.1	68	64.2	66.9	66.5
Manganese (Mn)	GPS (0.2)	0.27	0.29	0.26	0.26	0.22	0.25	0.24	0.26	0.25	0.25	0.25	0.26	0.26
Mercury (Hg)		<0.0002	<0.0002	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	0.0003	0.0002	0.0003
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.07	0.08	0.08	0.06	0.05	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2
pH *(Std. Units)*	GPS (6.8)	7.8	7.48	7.69	7.53	7.39	7.43	7.47	7.38	7.42	7.48	7.37	7.36	7.42
pH (Field) *(Std. Units)*		7.4	7.3	7.3	7.3	7.2	7.1	7	7.34	7.38	7.1	7.4	7.4	7.6
Potassium (K)		5.9	6.2	5.5	6	5.9	5.8	7	6.5	6.9	6.9	6.2	6.8	6.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	13.7	13.6	13.3	14.2	13.7	17.3	15.7	15.3	16.6	17.8	18.4	14.9	15.8
Radium 226 *(pCi/L)*		2.7	2.3	2.7	3.4	3.1	3.1	3.7	3.6	3	2.5	3.6	3.1	4.1
Radium 228 *(pCi/L)*		11	11.3	10.6	10.8	10.6	14.2	12	11.7	13.6	15.3	14.8	11.8	11.7
Selenium (Se)	GPS (.01)	0.016	0.014	0.012	0.008	0.009	0.012	0.011	0.01	0.012	0.012	0.007	0.009	0.011
Silica (SiO2)		10.1	12.1	11.2	10.1	11.4	9	10.3	10	9.3	9.3	9.5	8.7	8.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		94.5	99.9	93	99.7	96.2	101	120	112	117	119	111	111	112
TDS @ 180° *C.*	GPS (500)	1610	1680	1760	1800	1830	1940	1910	2060	2100	2150	2170	2310	2190
Sulfate (SO4)		993	984	985	1040	1060	1140	1140	1180	1210	1340	1220	1340	1210
Temperature *(C)*		10.8	10.8	13.2	11.5	11.7	12.6	11.6	11.8	11.8	10.6	11.5	9.7	12.1
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.08
Uranium, natural *(pCi/L)*	GPS (36)	2120	1670	1810	1880	1880	2100	1950	2330	2560	2680	2710	3260	2710
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.03	0.03

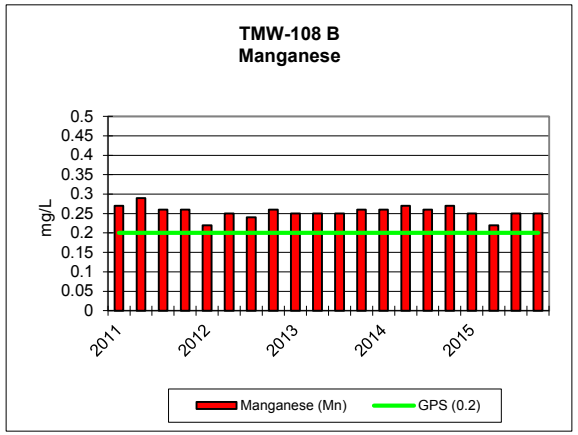
KENNECOTT URANIUM COMPANY								
TMW-108B (at 143' depth)					2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	4/1/2014	7/8/2014	11/3/2014	1/20/2015	4/21/2015	7/20/2015	11/16/2015
TDS A/C Balance *(dec. %)*		0.57	1.74	0.81	1.49	1.14	3.14	2.74
Alk-CaC03		104	106	113	112	115	111	108
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.003	0.001	0.002	0.002	0.002	0.002	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		127	129	138	136	140	136	132
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		426	412	456	427	427	420	434
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		103	110	112	108	107	113	118
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.034	0.019	0.031	0.026	0.02	0.025	0.02
Cond *(umhos/cm)*		2570	2550	2610	2540	2510	2560	2500
Cond-Field *(umhos/cm)*		2800	2400	2730	2730	2360	2190	2790
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.5	4.1	3.6	13.9	29.8	16.9	20
Iron (Fe)	GPS (0.6)	0.57	0.34	0.24	0.43	0.32	0.34	0.27
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<1	<1	<1	<1	<1	<1	<1
Magnesium (Mg)		62.8	69.6	77.2	72.4	72.1	74.3	71.7
Manganese (Mn)	GPS (0.2)	0.27	0.26	0.27	0.25	0.22	0.25	0.25
Mercury (Hg)		0.0003	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.05	0.04	0.04	0.05	0.04	0.05	0.03
Nitrogen, Nitrate+Nitrite as N		0.1	0.3	0.2	0.4	0.4	0.2	<0.1
pH *(Std. Units)*	GPS (6.8)	7.37	7.39	7.49	7.41	7.44	7.45	7.47
pH (Field) *(Std. Units)*		7.5	7.9	7.26	7.59	7.25	6.98	7.49
Potassium (K)		6.8	6.7	7.4	6.6	6.6	7.8	6.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	18.1	17.6	16.9	16.7	15.2	14.5	15.2
Radium 226 *(pCi/L)*		3.3	2.9	3.3	3.7	4.7	2.7	3.1
Radium 228 *(pCi/L)*		14.8	14.7	13.6	13	10.5	11.8	12.1
Selenium (Se)	GPS (.01)	0.02	0.024	0.027	0.03	0.044	0.032	0.014
Silica (SiO2)		10.2	9.2	8.5	8.1	8.5	9.3	9.5
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		103	117	130	118	120	125	119
TDS @ 180° *C.*	GPS (500)	2220	2280	2400	2380	2260	2250	2280
Sulfate (SO4)		1270	1320	1390	1360	1280	1410	1400
Temperature *(C)*		9.4	11.6	10.3	9	9.5	10.1	8.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	0.09	0.1	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	3080	3040	3520	3650	3220	4090	4610
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.05	0.03	0.02	0.02	0.01	0.02	0.01

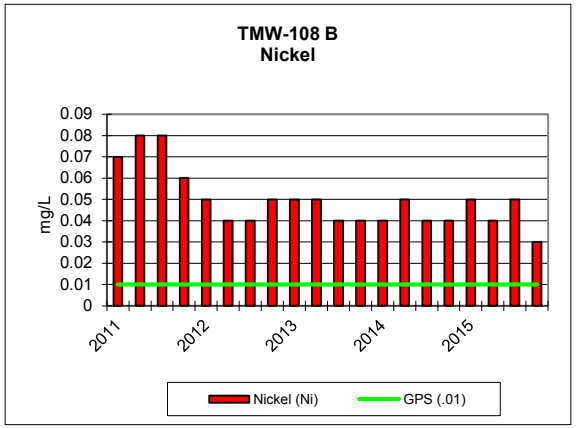

TMW-108 B
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-108 B
Combined Ra226/Ra228
pCi/L
20
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)


TMW-108 B
TDS
mg/L
3000
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-108 B
Uranium, Natural
pCi/L
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

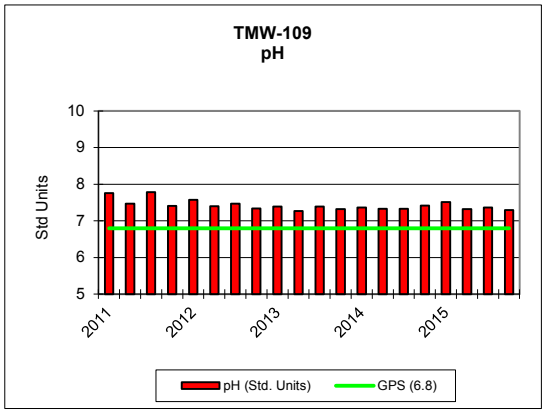

TMW-108 B
Manganese
mg/L
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

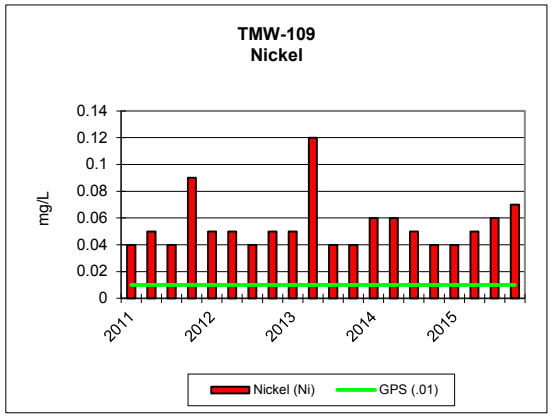

TMW-108 B
Nickel
mg/L
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

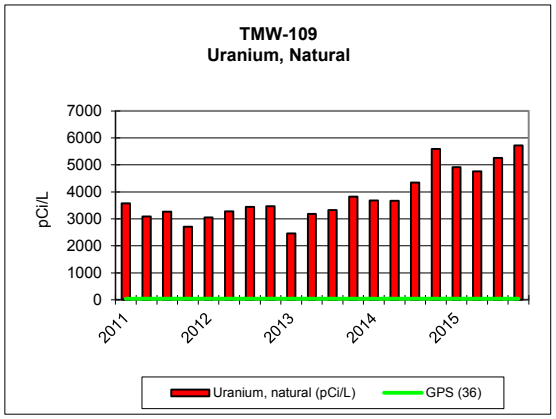
TMW-108B

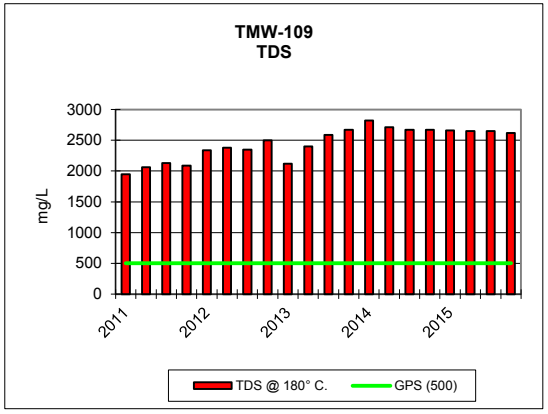
KENNECOTT URANIUM COMPANY														
TMW-109		2011				2012				2013				2014
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/12/2011	4/11/2011	7/17/2011	10/23/2011	1/17/2012	4/23/2012	7/13/2012	10/15/2012	1/22/2013	4/2/2013	7/7/2013	10/15/2013	1/13/2014
TDS A/C Balance *(dec. %)*		-1.59	0.277	-1.52	-0.608	1.38	-2.45	-3.47	-5.23	2.44	-2.5	0.788	-0.83	1.54
Alk-CaC03		116	117	117	102	101	109	107	113	104	109	116	104	106
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.004	0.003	0.003	0.004	0.003	0.003	0.002	0.002	0.002	0.003	0.005	0.007	0.006
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		142	143	142	124	123	132	130	138	127	133	142	127	129
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		396	409	416	419	470	442	453	435	409	457	494	513	534
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		83	79	83	73	91	92	91	95	95	87	100	113	108
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	VV	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.017	0.04	0.034	0.076	0.03	0.041	0.035	0.036	0.031	0.089	0.026	0.026	0.036
Cond *(umhos/cm)*		2310	2350	2390	2430	2640	2520	2660	2590	2380	2610	2730	2890	2840
Cond-Field *(umhos/cm)*		2370	2530	2590	2520	2690	2750	2850	2790	2410	2840	3020	3190	3130
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		<0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.6	4.7	4.5	3.7	4.8	4.2	3.4	3.6	3.4	3.5	3.3	3.1	3.7
Iron (Fe)	GPS (0.6)	0.38	0.51	0.26	1.34	0.6	0.62	0.16	0.53	0.38	1.91	0.86	1.31	1.32
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		49.7	52.7	51.5	56.3	63.1	62	61.3	60.1	67.6	64.4	69.6	70	77.5
Manganese (Mn)	GPS (0.2)	0.37	0.46	0.37	0.47	0.36	0.39	0.36	0.37	0.26	0.44	0.35	0.38	0.4
Mercury (Hg)		<0.0002	0.0002	<0.0002	0.0011	<0.0002	<0.0002	0.0002	0.0003	<0.0002	0.0002	0.0005	0.0004	0.0004
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.04	0.05	0.04	0.09	0.05	0.05	0.04	0.05	0.05	0.12	0.04	0.04	0.06
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.76	7.47	7.78	7.41	7.57	7.4	7.47	7.34	7.39	7.27	7.39	7.32	7.36
pH (Field) *(Std. Units)*		7.3	7.3	7.3	7.4	7.4	7.3	7.5	7.45	7.2	7.1	7.5	7.6	7.5
Potassium (K)		6.4	6.5	5.8	6.3	7.1	6.6	5.8	6.3	6.7	6.6	6.4	7.7	7.2
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	14.8	16.2	16.3	16	17.7	16.4	17.8	16.3	16	21.1	23.3	22.6	22.3
Radium 226 *(pCi/L)*		3.7	2.9	4.1	4.1	4.4	3.2	2.7	4.2	3.6	3.3	4.4	3.4	4.6
Radium 228 *(pCi/L)*		11.1	13.3	12.2	11.9	13.3	13.2	15.1	12.1	12.4	17.8	18.9	19.2	17.7
Selenium (Se)	GPS (.01)	0.003	0.003	<0.001	<0.001	0.001	0.002	<0.001	<0.001	0.015	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		8.7	10	9.8	10	9.4	8.6	8.8	6.8	9.2	10.5	6	7.9	8.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		110	118	110	112	125	124	103	113	118	115	122	124	136
TDS @ 180° *C.*	GPS (500)	1950	2060	2130	2090	2340	2380	2350	2500	2120	2400	2590	2670	2820
Sulfate (SO4)		1200	1210	1260	1290	1380	1420	1440	1450	1200	1460	1450	1550	1570
Temperature *(C)*		11.3	12.4	13.3	12.2	10.1	13.1	12.4	11.9	10.9	12.1	13	10.2	9.8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	0.2	0.09
Uranium, natural *(pCi/L)*	GPS (36)	3570	3090	3270	2710	3050	3280	3440	3470	2460	3180	3320	3820	3680
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.02	<0.01	<0.01	0.03	0.01	0.02	0.02	0.02	0.02	0.1	0.04	0.04	0.05

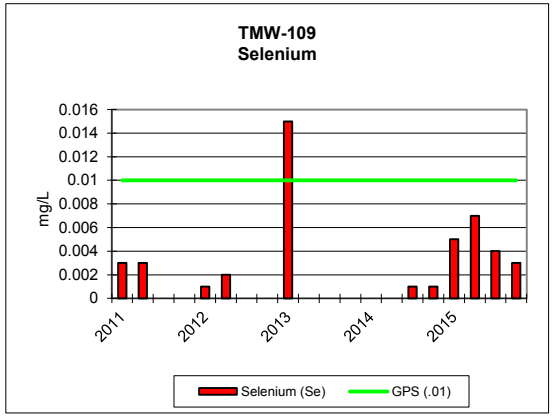
KENNECOTT URANIUM COMPANY								
TMW-109					2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	4/8/2014	7/8/2014	11/3/2014	1/21/2015	4/21/2015	7/21/2015	12/1/2015
TDS A/C Balance *(dec. %)*		3.02	0.9	2.03	1.08	1.35	2.78	2.5
Alk-CaC03		108	114	124	119	119	136	123
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.002	0.002	0.002	0.003	0.003	0.002	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		131	139	151	145	145	165	150
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		522	502	512	503	505	496	490
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		117	113	115	110	107	110	132
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.034	0.034	0.035	0.02	0.025	0.036	0.03
Cond *(umhos/cm)*		2870	2880	2890	2790	2780	2890	2880
Cond-Field *(umhos/cm)*		1631	2360	3010	2800	2950	2940	3050
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.5	4.5	4.1	9.3	39.9	30.8	24.2
Iron (Fe)	GPS (0.6)	1	1.22	1.56	0.98	0.74	0.66	1.32
Lead (Pb210) *(pCi/L)*	GPS (8.9)	0.03	0.4	0.06	-0.08	0.2	-0.6	0.5
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		74.1	75.5	78.4	77.3	77.5	75.6	85.3
Manganese (Mn)	GPS (0.2)	0.37	0.38	0.36	0.37	0.33	0.39	0.34
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	0.06	0.05	0.04	0.04	0.05	0.06	0.07
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.33	7.33	7.42	7.51	7.32	7.36	7.29
pH (Field) *(Std. Units)*		7.3	7.9	7.34	7.45	7.22	6.92	7.27
Potassium (K)		7	7.3	7.5	7.2	7.4	6.9	7.6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	22.9	21.5	17.9	22.4	21.9	22.2	19.9
Radium 226 *(pCi/L)*		6.5	3.5	2.9	4.4	5.3	4.3	4.9
Radium 228 *(pCi/L)*		16.4	18	15	18	16.6	17.9	15
Selenium (Se)	GPS (.01)	<0.001	0.001	0.001	0.005	0.007	0.004	0.003
Silica (SiO2)		9	9.3	8.8	9.4	10.3	10.2	8.8
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		127	133	139	134	136	137	142
TDS @ 180° *C.*	GPS (500)	2710	2670	2670	2660	2650	2650	2620
Sulfate (SO4)		1670	1560	1490	1580	1500	1600	1610
Temperature *(C)*		11.2	14.4	10.1	9.4	10.9	11	9.7
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.2	0.07	0.1	0.04	0.3	0.07	0.006
Uranium, natural *(pCi/L)*	GPS (36)	3670	4340	5590	4920	4760	5260	5720
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.04	0.04	0.02	0.03	0.02	0.02	0.03

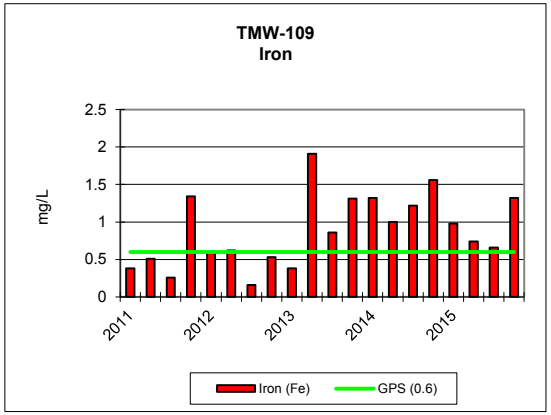

TMW-109
pH
Std Units
10
9
8
7
6
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

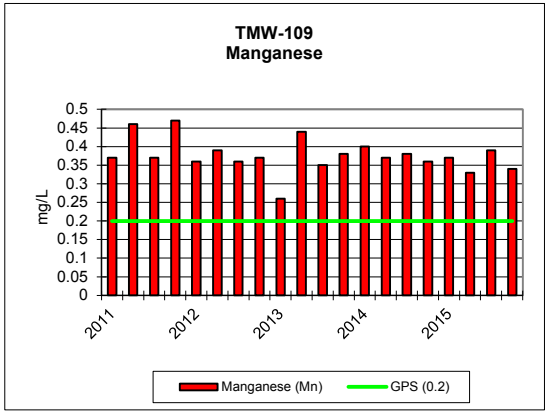

TMW-109
Nickel
mg/L
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

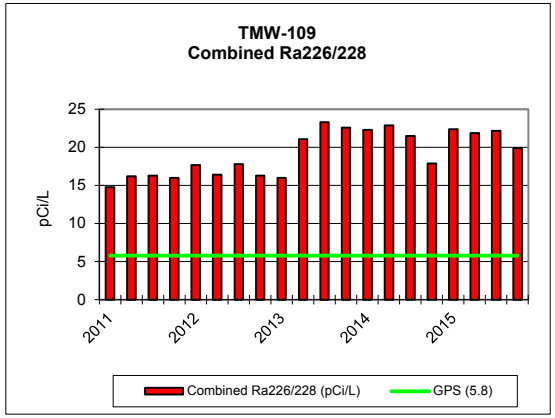

TMW-109
Uranium, Natural
pCi/L
7000
6000
5000
4000
3000
2000
1000
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)


TMW-109
TDS
mg/L
3000
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-109
Selenium
mg/L
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
2011
2012
2013
2014
2015
Selenium (Se)
GPS (.01)

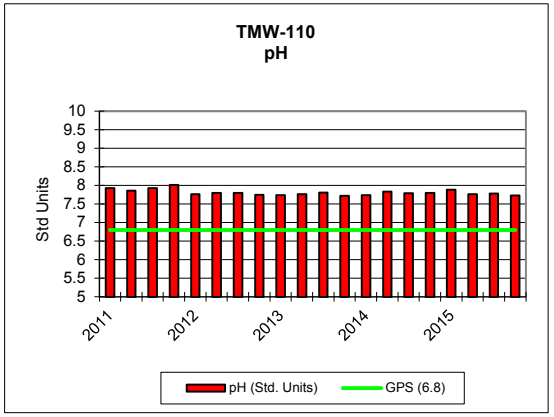

TMW-109
Iron
mg/L
2.5
2
1.5
1
0.5
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

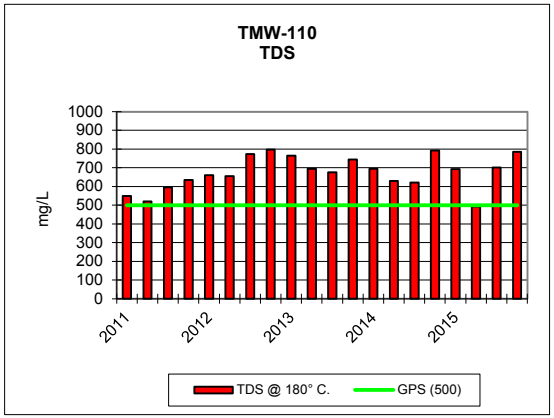

TMW-109
Manganese
mg/L
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

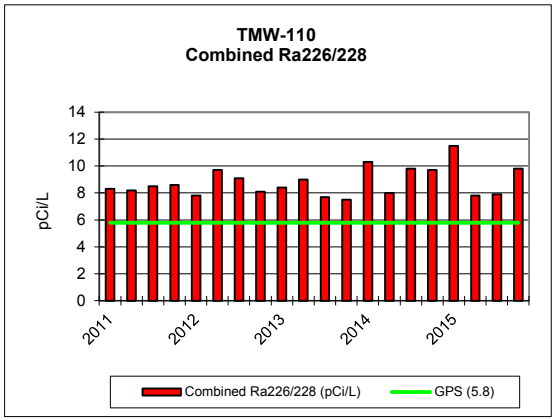

TMW-109
Combined Ra226/228
pCi/L
25
20
15
10
5
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

KENNECOTT URANIUM COMPANY														
TMW-110		2011				2012				2013				2014
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/18/2011	4/11/2011	7/18/2011	10/18/2011	1/17/2012	4/16/2012	7/13/2012	10/15/2012	1/21/2013	4/15/2013	7/7/2013	10/14/2013	1/13/2014
TDS A/C Balance *(dec. %)*		-3.65	0.786	0.464	1.6	3.77	-0.673	0.335	2.35	3.3	-3.81	1.71	0.158	0.825
Alk-CaC03		126	125	125	114	116	122	120	125	124	136	123	124	125
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.001	<0.001	0.002	0.002	0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		153	153	153	139	141	149	146	153	152	166	150	151	152
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		108	114	128	140	159	138	165	182	181	141	145	163	148
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		11	11	11	12	12	12	13	14	14	12	11	13	12
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		759	763	828	871	950	914	1030	1030	1030	978	919	985	927
Cond-Field *(umhos/cm)*		804	837	894	982	997	1006	1160	1081	1058	1049	998	1092	976
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	5.6	3.1	3.2	3.4	4	4.2	3.6	3.2	3.2	2.4	2.5	2.7	2.4
Iron (Fe)	GPS (0.6)	<0.05	0.07	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	0.09	0.1	0.12	0.06
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		6.7	7	7.9	9.9	11.6	9.9	12.5	14.5	14.1	11	11	12.3	11.3
Manganese (Mn)	GPS (0.2)	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.1	0.09	0.08	0.08	0.09	0.08
Mercury (Hg)		<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.93	7.86	7.93	8.01	7.76	7.8	7.8	7.75	7.74	7.76	7.81	7.72	7.74
pH (Field) *(Std. Units)*		7.2	7.8	7.6	7.6	7.8	7.6	7.6	7.76	7.62	7.8	7.9	7.7	9.3
Potassium (K)		3.2	3.5	3	3.3	3.7	3.4	3.5	3.7	3.8	3.6	3.8	3.7	3.4
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	8.3	8.2	8.5	8.6	7.8	9.7	9.1	8.1	8.4	9	7.7	7.5	10.3
Radium 226 *(pCi/L)*		2.6	2.4	2.8	3	3.4	3.3	3.3	3	3.2	2.2	3.1	2.5	2.6
Radium 228 *(pCi/L)*		5.7	5.8	5.7	5.6	4.4	6.4	5.8	5.1	5.2	6.8	4.6	5	7.7
Selenium (Se)	GPS (.01)	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001
Silica (SiO2)		16.7	17.1	17.3	16.3	16.1	14.9	15.9	17.2	16.6	14.4	14.3	14.2	14.6
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		41	46.2	43.1	47.4	46.9	45.8	49	47.8	48.6	45.8	46.6	43.6	44.8
TDS @ 180° *C.*	GPS (500)	550	520	596	635	660	656	773	798	764	694	676	744	694
Sulfate (SO4)		267	259	292	338	365	343	415	431	420	371	344	397	352
Temperature *(C)*		11.1	11.1	12.9	9.4	9.1	11.1	12.2	10.9	11.6	10.1	11.6	9	8
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Uranium, natural *(pCi/L)*	GPS (36)	3.9	6.6	3.1	5.7	4.2	3.8	6.2	5.6	4.7	4.4	4.4	4.2	3.5
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

KENNECOTT URANIUM COMPANY								
TMW-110					2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	4/7/2014	7/15/2014	10/29/2014	1/21/2015	4/28/2015	7/21/2015	12/6/2015
TDS A/C Balance *(dec. %)*		1.66	0.93	0.17	1.23	3.49	0.87	2.38
Alk-CaC03		125	124	125	125	124	124	128
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	0.001	<0.001	<0.001	<0.001	0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		152	151	153	152	152	151	156
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		141	148	176	148	127	148	168
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		11	12	15	12	10	13	15
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		885	921	1060	940	815	960	1040
Cond-Field *(umhos/cm)*		790	1041	1101				
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	ND	0.1	0.2	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3	3.7	3.9	3.8	6.5	7.6	5.5
Iron (Fe)	GPS (0.6)	ND	ND	0.17	0.11	0.1	0.1	0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		10.4	11.8	13.9	11.4	9.5	11.5	13.7
Manganese (Mn)	GPS (0.2)	0.07	0.07	0.09	0.07	0.07	0.07	0.08
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.83	7.79	7.8	7.88	7.76	7.78	7.73
pH (Field) *(Std. Units)*		8	8	7.76				
Potassium (K)		3.4	3.5	3.7	3.5	3.5	3.2	3.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	8	9.8	9.7	11.5	7.8	7.9	9.8
Radium 226 *(pCi/L)*		2.9	2.5	2.7	2.6	2.3	2.7	2.9
Radium 228 *(pCi/L)*		5.1	7.3	7	8.9	5.5	5.2	6.9
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.8	15.4	14.1	14.1	14.7	14	13.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		42.8	45.5	46.5	44.7	44.2	46.2	45.1
TDS @ 180° *C.*	GPS (500)	629	621	792	693	492	701	785
Sulfate (SO4)		322	357	440	348	274	373	440
Temperature *(C)*		10.6	10.5	9.8				
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	0.2	0.2	<0.2	<0.2	0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	3.6	5.1	5.2	3.9	3.3	4.5	4.7
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-110
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

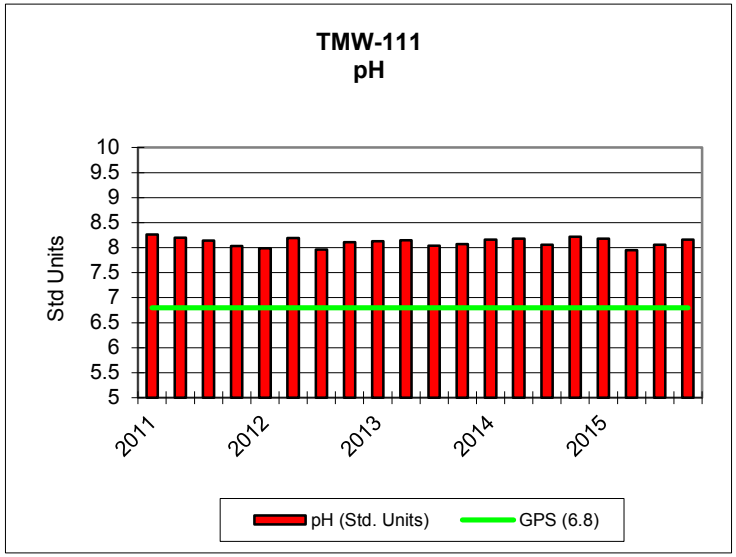

TMW-110
TDS
mg/L
1000
900
800
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

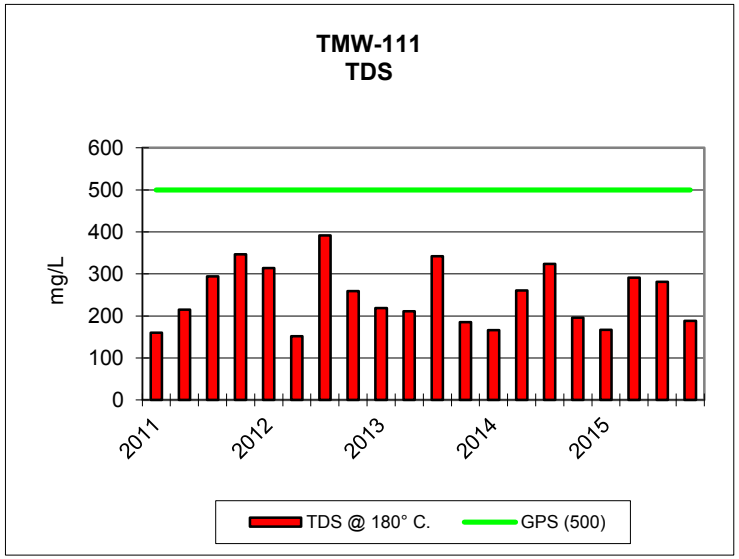

TMW-110
Combined Ra226/228
pCi/L
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

TMW 110

KENNECOTT URANIUM COMPANY																
TMW-111		2011				2012				2013				2014		
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/19/2011	6/6/2011	8/1/2011	10/18/2011	1/30/2012	4/17/2012	8/19/2012	12/11/2012	1/28/2013	4/1/2013	7/7/2013	10/15/2013	1/27/2014	4/8/2014	8/4/2014
TDS A/C Balance *(dec. %)*		-4.57	-2.06	-0.357	2.35	-2.1	-2	-0.724	3.57	0.745	-2.82	0.0866	-4.27	0.77	2.28	1.72
Alk-CaC03		87	89	90	93	101	85	105	93	92	93	100	89	88	93	103
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	<0.001	0.002	0.002	0.001	0.002	0.002	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		102	108	110	114	124	104	128	113	112	113	122	109	105	114	126
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		15.9	25	51	63.9	58.7	17	76.2	48.9	32.4	29.9	62.2	23.5	18.6	43	56
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		2	3	4	4	4	2	5	3	3	3	5	2	2	4	4
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		256	309	465	515	484	266	575	407	341	351	514	295	270	434	490
Cond-Field *(umhos/cm)*		286	350	518	583	518	300	666	438	358	429	594	335	317	569	565
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	0.9	0.4	1.1	1.6	1.3	0.8	1.1	0.5	0.7	0.2	1.1	0.3	0.7	0.5	0.6
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		1.1	2	4.5	6.1	5.5	1.5	6.7	4.5	3.1	2.8	5.8	2.1	1.5	3.8	5.1
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	0.02	0.02	0.01	ND	0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.26	8.2	8.14	8.03	7.99	8.19	7.96	8.11	8.13	8.15	8.04	8.07	8.16	8.18	8.06
pH (Field) *(Std. Units)*		7.6	8.3	7.8	7.6	7.9	8.2	7.8	7.67	7.8	5.8	8	8.2	8.1	8.5	7.8
Potassium (K)		1.3	1.5	1.8	1.8	1.9	1.2	2.2	1.7	1.4	1.3	2	1.3	1.2	1.6	1.8
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	1.32	1.05	2.4	2.7	3.4	0.78	2.74	1.81	3.98	1.92	2.93	1.31	0.9	1.53	2.48
Radium 226 *(pCi/L)*		0.62	0.25	1.4	1	0.9	0.28	0.84	0.41	0.78	0.42	0.83	0.31	0.1	0.93	0.78
Radium 228 *(pCi/L)*		0.7	0.8	1	1.7	2.5	0.5	1.9	1.4	3.2	1.5	2.1	1	0.8	0.6	1.7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		11.9	10.5	10.9	11.9	12.1	10.8	12.7	9.9	12.3	11	11.1	10.8	10.7	11.8	10.9
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		35.2	38.2	39	41.6	35.3	36.6	38.9	36	38.1	37.8	40.6	32.6	39.9	40.8	38.9
TDS @ 180° *C.*	GPS (500)	160	215	294	347	314	152	392	259	219	211	342	185	166	261	324
Sulfate (SO4)		42	67	133	158	145	45	189	104	76	79	156	56	45	119	141
Temperature *(C)*		10.2	12.7	13	11.6	10.3	10.6	11.6	11.1	11.5	10.6	13	9.2	8.6	10.5	11.4
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.08	0.3	0.06
Uranium, natural *(pCi/L)*	GPS (36)	2.3	2.4	4	4.7	3.8	2.4	4.8	4.1	3.3	3.3	4.5	3.9	2.5	3.9	5.6
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01

KENNECOTT URANIUM COMPANY						
TMW-111			2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	11/19/2014	2/3/2015	6/3/2015	8/12/2015	12/6/2015
TDS A/C Balance *(dec. %)*		1.18	0.33	2.76	0.7	4.87
Alk-CaC03		90	87	109	96	107
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.001	0.001	0.002	0.002	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		110	106	133	117	131
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		22.1	18.5	47.8	48.6	27.2
Carbonate (CO3)		<1	<1	<1	<1	<1
Chloride (Cl)		2	2	4	4	3
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		287	273	456	446	305
Cond-Field *(umhos/cm)*		364	321	411	460	323
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	1.6	1	2.3	4	2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	-0.6	0.7	-0.6	-0.08
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		2	1.6	4.3	4.7	2.6
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	8.22	8.18	7.95	8.06	8.16
pH (Field) *(Std. Units)*		8.2	8.32	8.28	8.06	8.21
Potassium (K)		1.2	1.2	1.7	1.9	1.5
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	1.13	2.46	1.29	3.06	1.33
Radium 226 *(pCi/L)*		0.33	0.26	0.39	0.76	0.53
Radium 228 *(pCi/L)*		0.8	2.2	0.9	2.3	0.8
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		10.8	10.4	10.8	10.7	11.1
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		36.4	38.9	40.5	42.2	35.8
TDS @ 180° *C.*	GPS (500)	196	167	291	281	188
Sulfate (SO4)		51	46	120	117	61
Temperature *(C)*		9.4	8.6	9.4	10.1	8.6
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	0.05	0.2	0.3	0.02
Uranium, natural *(pCi/L)*	GPS (36)	3.7	2.8	4.5	3.8	3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01

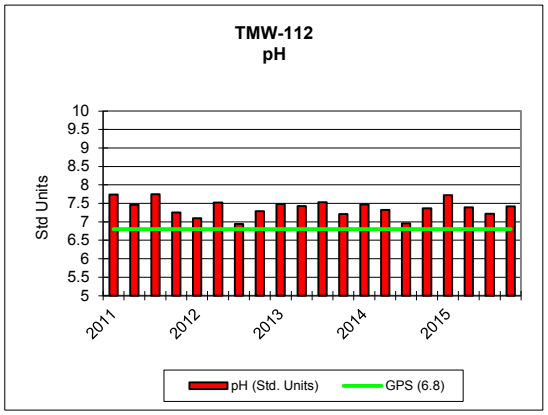

TMW-111
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

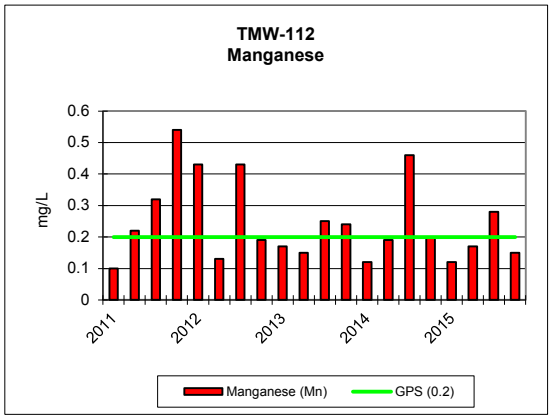

TMW-111
TDS
mg/L
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

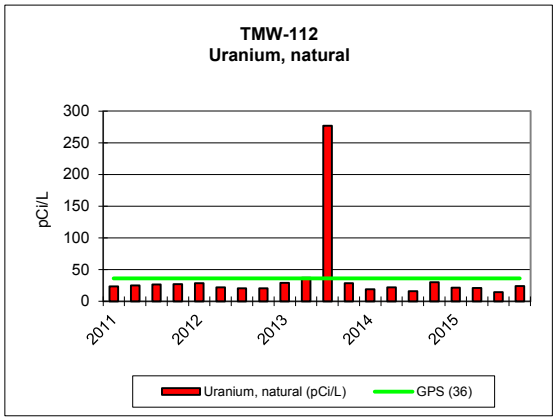
TMW 111

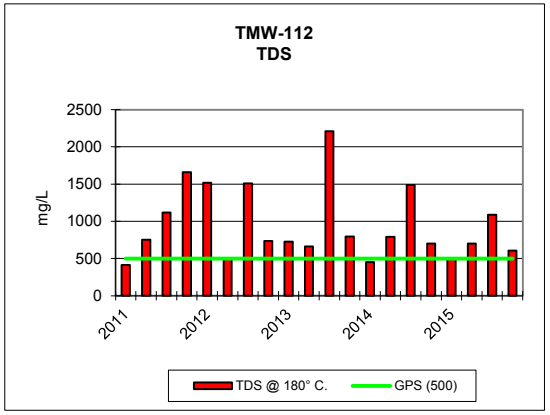
KENNECOTT URANIUM COMPANY																	
TMW-112		2011				2012				2013				2014			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/19/2011	4/12/2011	7/17/2011	10/18/2011	1/17/2012	4/17/2012	7/13/2012	10/16/2012	1/22/2013	4/1/2013	7/7/2013	10/15/2013	1/27/2014	4/8/2014	8/4/2014	11/4/2014
TDS A/C Balance *(dec. %)*		-4.05	0.873	1.66	-0.819	1.7	-1.79	-1.02	4.03	-2.33	-2	1.76	-1.86	1.43	0.86	0.43	0.95
Alk-CaC03		95	93	88	69	70	92	71	91	91	93	137	91	94	89	72	94
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		116	114	107	84	86	112	86	112	112	114	168	111	115	108	88	114
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		71.1	159	227	344	326	92.7	302	160	135	131	454	157	88.8	164	310	141
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		7	11	13	22	21	8	21	12	13	12	40	11	7	11	21	10
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.006	0.015	0.032	0.071	0.055	0.011	0.05	0.016	0.012	0.011	0.003	0.027	0.008	0.015	0.055	0.028
Cond *(umhos/cm)*		584	1020	1350	1860	1780	721	1760	950	964	913	2370	1030	652	1040	1730	962
Cond-Field *(umhos/cm)*		597	1064	1514	1986	1844	760	1842	995	1013	1048	1894	1132	701	1109	708	1022
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	ND	0.2	0.2	0.2	0.1	0.2
Gross Alpha *(pCi/L)*	GPS (15)	3.4	3.2	4	6.8	7.7	1.7	3.5	1.6	1.6	3.4	2.8	1.4	1.9	2.7	4.3	1.7
Iron (Fe)	GPS (0.6)	0.5	0.82	1.92	5.96	5.46	0.7	2.34	1.49	0.64	0.86	0.25	1.63	0.17	0.65	0.38	1.85
Lead (Pb210) *(pCi/L)*	GPS (8.9)	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		8.1	17.4	26.6	41	37.5	10.3	35.9	18.8	15.2	14.1	46.2	17.9	10	18.3	36.9	16.7
Manganese (Mn)	GPS (0.2)	0.1	0.22	0.32	0.54	0.43	0.13	0.43	0.19	0.17	0.15	0.25	0.24	0.12	0.19	0.46	0.2
Mercury (Hg)		<0.0002	<0.0002	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	0.01	0.04	0.07	0.06	<0.01	0.05	0.01	0.02	<0.01	0.02	0.03	<0.01	0.02	0.06	0.02
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.74	7.46	7.75	7.25	7.1	7.52	6.94	7.29	7.48	7.43	7.53	7.21	7.47	7.32	6.96	7.37
pH (Field) *(Std. Units)*		7	7.2	6.9	6.8	6.8	7.2	6.9	7.14	7.36	6.9	6.9	7.5	7.5	7.2	6.8	7.35
Potassium (K)		2.5	3.8	4.1	5.5	5.5	2.8	5.4	3.8	3.5	2.9	6.5	3.5	2.6	3.6	5.2	3.2
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	4.3	8.4	12.4	18.5	15	4.7	15.4	6.7	6	7.9	9.9	5.5	5.2	9.5	17.2	9.1
Radium 226 *(pCi/L)*		1.4	1.9	3.1	4.5	5	1.1	4.2	2.3	1.7	1.9	1.8	1.6	1.1	2.8	3.9	2.3
Radium 228 *(pCi/L)*		2.9	6.5	9.3	14	10	3.6	11.2	4.4	4.3	6	8.1	3.9	4.1	6.7	13.3	6.8
Selenium (Se)	GPS (.01)	0.004	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		12.1	12.8	13	14	13.7	10.6	13	12.3	12.5	10.6	11.7	11.3	10.8	9.8	12.9	11
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		33.4	49	53.2	67.1	67	39.1	69.4	51	40.8	40.7	110	42.2	39.4	47.7	65.3	43.4
TDS @ 180° *C.*	GPS (500)	412	753	1120	1660	1520	495	1510	735	727	663	2210	794	450	790	1490	702
Sulfate (SO4)		198	443	637	1060	943	261	941	419	390	371	1270	457	228	459	944	386
Temperature *(C)*		10.2	10	12.8	10.2	8.4	10.8	12.4	10.3	10.1	9.6	11.7	9	8.2	9.2	11.9	9.1
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Uranium, natural *(pCi/L)*	GPS (36)	23.4	25.3	26.8	27.1	28.8	22.2	20.8	20.5	29.2	37.2	277	28.9	19.3	21.9	16.1	30.1
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	0.01	0.01	0.04	0.02	0.01	0.03	<0.01	<0.01	0.01	<0.01	0.01	<0.01	0.01	0.02	<0.01

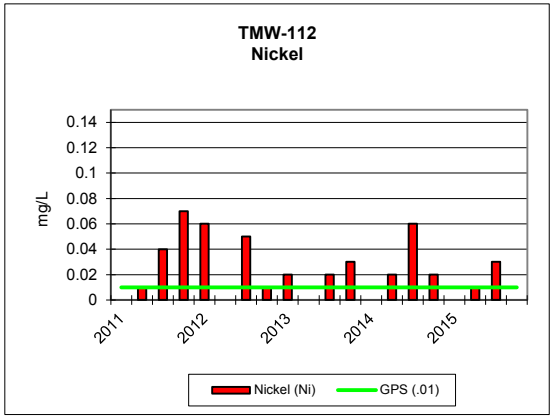
KENNECOTT URANIUM COMPANY					
TMW-112		2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/21/2015	5/4/2015	7/22/2015	12/6/2015
TDS A/C Balance *(dec. %)*		0.52	2.3	2.55	0.48
Alk-CaC03		95	91	86	96
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		115	111	105	117
Boron (B)		<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		95.7	137	217	121
Carbonate (CO3)		<1	<1	<1	<1
Chloride (Cl)		7	10	15	10
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.01	0.011	0.033	0.014
Cond *(umhos/cm)*		709	947	1360	837
Cond-Field *(umhos/cm)*		725	959	1376	912
Copper (Cu)		<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.2	0.2	0.2	0.2
Gross Alpha *(pCi/L)*	GPS (15)	3.3	6.7	21.7	3.6
Iron (Fe)	GPS (0.6)	1.13	0.93	3.97	1.52
Lead (Pb210) *(pCi/L)*	GPS (8.9)	0	0.05	0.3	0.1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		10.9	13.9	24.3	14.5
Manganese (Mn)	GPS (0.2)	0.12	0.17	0.28	0.15
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	0.01	0.03	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.72	7.39	7.22	7.42
pH (Field) *(Std. Units)*		7.76	7.45	6.81	7.42
Potassium (K)		2.8	3	4.4	3.2
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	7.7	8.3	12	5.9
Radium 226 *(pCi/L)*		1.5	1.8	3.2	1.3
Radium 228 *(pCi/L)*		6.2	6.5	8.8	4.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		10.9	11.4	12.5	11.6
Silver (Ag)		<0.01	<0.01	<0.01	<0.01
Sodium (Na)		39	40.1	49.6	42
TDS @ 180° *C.*	GPS (500)	496	701	1090	608
Sulfate (SO4)		253	391	661	336
Temperature *(C)*		9	9.9	10.6	8.2
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		0.009	0.2	0.06	0.06
Uranium, natural *(pCi/L)*	GPS (36)	21.4	21.1	14.7	24.1
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	0.01	<0.01

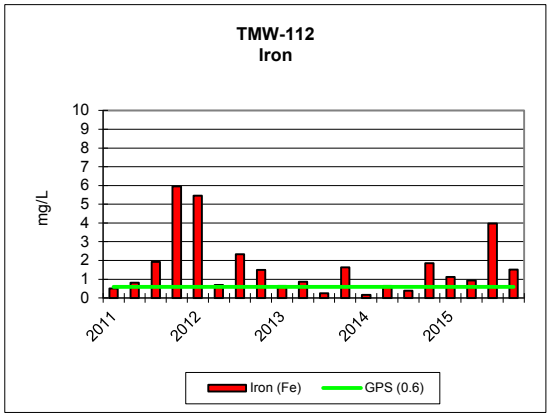

TMW-112
pH
Std Units
10
9.5
9
8.5
8
7.5
7
6.5
6
5.5
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)

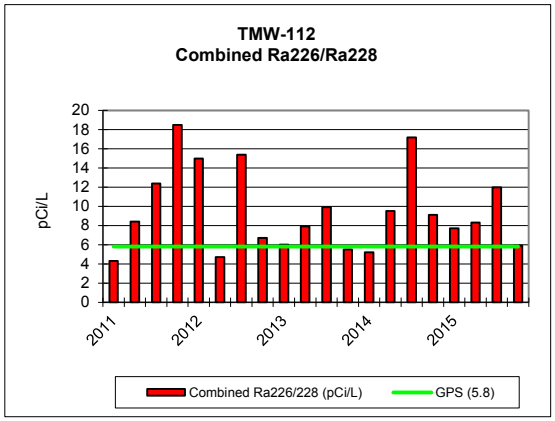

TMW-112
Manganese
mg/L
0.6
0.5
0.4
0.3
0.2
0.1
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)


TMW-112
Uranium, natural
pCi/L
300
250
200
150
100
50
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)


TMW-112
TDS
mg/L
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

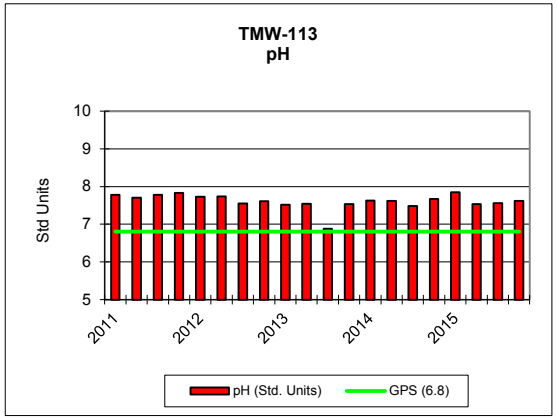

TMW-112
Nickel
mg/L
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

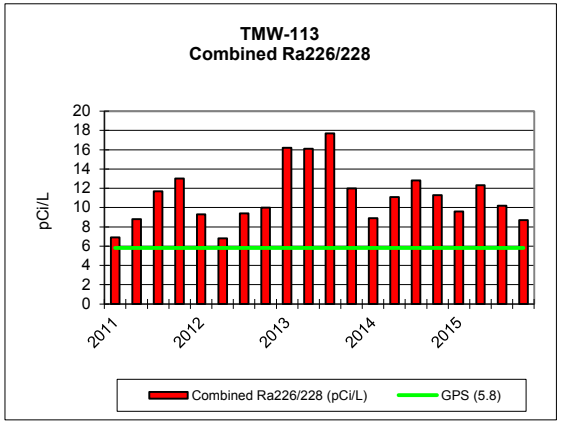

TMW-112
Iron
mg/L
10
9
8
7
6
5
4
3
2
1
0
2011
2012
2013
2014
2015
Iron (Fe)
GPS (0.6)

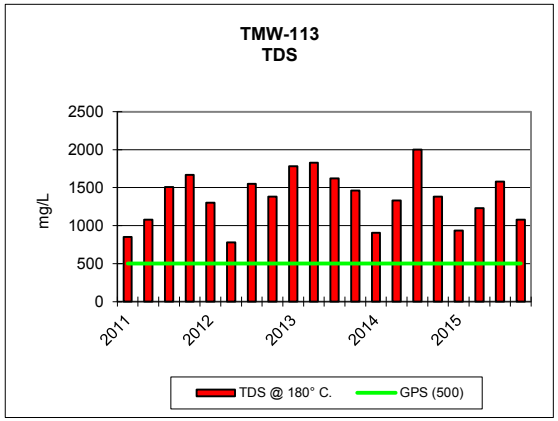

TMW-112
Combined Ra226/Ra228
pCi/L
20
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

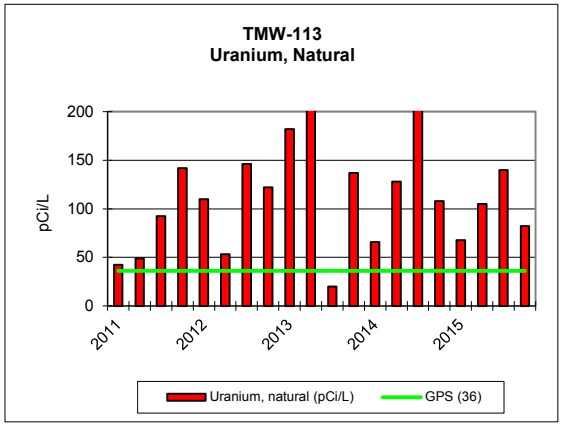
KENNECOTT URANIUM COMPANY															
TMW-113		2011				2012				2013				2014	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/26/2011	4/12/2011	7/17/2011	10/18/2011	1/17/2012	4/17/2012	8/19/2012	10/15/2012	1/28/2013	4/1/2013	7/7/2013	10/15/2013	2/3/2014	4/8/2014
TDS A/C Balance *(dec. %)*		-1.52	-0.685	0.746	-0.0857	1.43	-0.314	-2.14	3.96	1.76	-0.654	1.7	1.42	4.85	0.61
Alk-CaC03		108	107	112	115	106	104	122	120	128	142	68	121	109	118
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	<0.001	0.003	0.002	0.004	0.002	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		132	131	137	140	129	127	149	146	156	174	83	148	134	144
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		183	228	315	349	292	158	323	293	384	381	320	321	175	278
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		18	21	28	32	26	16	32	26	34	37	22	28	19	25
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	0.002	0.003	0.003	0.002	0.001	0.002	0.001	0.001	0.002	0.062	0.002	<0.001	<0.001
Cond *(umhos/cm)*		1120	1360	1770	1880	1680	1050	1780	1580	2000	2080	1830	1720	1210	1600
Cond-Field *(umhos/cm)*		1210	1370	1847	1995	1655	1097	1842	1670	2160	2340	2580	1858	1288	1520
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	2.2	2.6	2.8	3.8	3	1.7	2.6	2	3.5	5.2	3.5	1.5	1.9	2.3
Iron (Fe)	GPS (0.6)	0.13	0.11	0.08	0.11	0.05	<0.05	<0.05	<0.05	<0.05	0.26	5.86	0.19	ND	0.09
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	1.4	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		15.5	19.9	29	34.9	27.2	13.7	32.2	30.5	37.8	35.2	39.2	29.1	15.5	26.3
Manganese (Mn)	GPS (0.2)	0.11	0.15	0.18	0.21	0.16	0.1	0.2	0.16	0.21	0.19	0.47	0.17	0.08	0.14
Mercury (Hg)		<0.0002	<0.0002	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.78	7.7	7.78	7.83	7.73	7.74	7.55	7.61	7.52	7.54	6.88	7.53	7.63	7.62
pH (Field) *(Std. Units)*		7.1	7.6	7.5	7.4	7.5	7.8	7.5	7.55	7.39	7.5	7.5	7.6	7.7	7.5
Potassium (K)		3.6	4.2	4.4	5	4.6	3.3	5.1	5	5.1	4.7	5.6	5.1	3.3	4.6
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	6.9	8.8	11.7	13	9.3	6.8	9.4	10	16.2	16.1	17.7	12	8.9	11.1
Radium 226 *(pCi/L)*		1.3	1.7	2.8	2.1	2.3	1.6	2	2.5	3.1	2.3	4.8	2.1	1.7	3.1
Radium 228 *(pCi/L)*		5.6	7.1	8.9	10.9	7	5.2	7.4	7.5	13.1	13.8	12.9	9.9	7.2	8
Selenium (Se)	GPS (.01)	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.1	13.1	13	12.9	13.2	11.8	12.7	13.3	12.9	11.6	13.4	12.1	10.6	10.3
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		50.2	60.9	72.8	84	70.1	49.4	78.6	80.9	90.2	85.3	72.4	74.3	49.5	73.6
TDS @ 180° *C.*	GPS (500)	853	1080	1510	1670	1300	781	1550	1380	1780	1830	1620	1460	905	1330
Sulfate (SO4)		499	635	867	1000	796	422	958	771	1050	1070	949	862	516	794
Temperature *(C)*		9.6	9.8	12.7	9.8	9.7	10	11.2	10.7	9.8	9.5	11.6	9	8.4	9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Uranium, natural *(pCi/L)*	GPS (36)	42.3	49	92.3	142	110	53.3	146	122	182	228	20.1	137	65.7	128
Vanadium (V205)		0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.01	0.18	<0.01	<0.01	<0.01

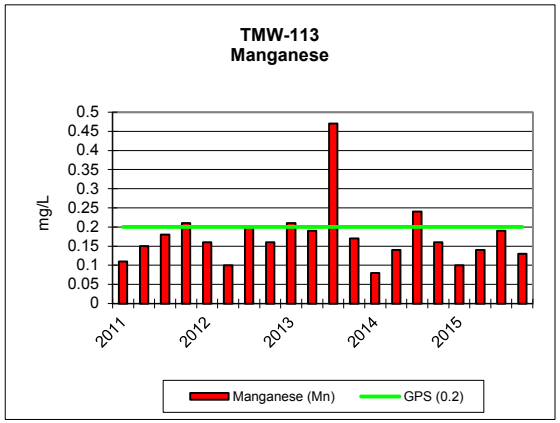
KENNECOTT URANIUM COMPANY							
TMW-113				2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	8/4/2014	11/4/2014	1/21/2015	5/4/2015	7/22/2015	12/6/2015
TDS A/C Balance *(dec. %)*		0.17	0.16	1.09	4.5	0.81	2.24
Alk-CaC03		132	119	108	115	123	114
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	0.003	0.003	0.002	0.002	0.003	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		161	146	132	140	150	139
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		430	288	193	254	330	219
Carbonate (CO3)		<1	<1	<1	<1	<1	<1
Chloride (Cl)		38	27	19	24	29	22
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		0.001	0.002	<0.001	0.001	0.002	0.001
Cond *(umhos/cm)*		2240	1680	1200	1510	1790	1370
Cond-Field *(umhos/cm)*		1792	1715	1231	1560	1919	1382
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		ND	0.1	0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.4	2.5	3	9.4	17.7	3.2
Iron (Fe)	GPS (0.6)	0.17	0.35	0.18	0.2	0.38	0.17
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		41.8	28.1	16.9	22.8	31.3	21.5
Manganese (Mn)	GPS (0.2)	0.24	0.16	0.1	0.14	0.19	0.13
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.48	7.67	7.85	7.53	7.56	7.62
pH (Field) *(Std. Units)*		7.5	7.31	7.97	7.58	7.11	7.56
Potassium (K)		5.6	4.9	3.8	4.3	5.1	4.1
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	12.8	11.3	9.6	12.3	10.2	8.7
Radium 226 *(pCi/L)*		2.8	3	1.7	2.4	2.3	1.7
Radium 228 *(pCi/L)*		10	8.3	7.9	9.9	7.9	7
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		11.6	11.9	11.9	11.9	12.2	12.2
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		96.9	75.7	57	67.6	77.3	64
TDS @ 180° *C.*	GPS (500)	2000	1380	936	1230	1580	1080
Sulfate (SO4)		1220	811	537	782	941	645
Temperature *(C)*		11.5	9.2	8.2	9.3	9.1	7.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	0.2	<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	207	108	67.8	105	140	82.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-113
pH
Std Units
10
9
8
7
6
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-113
Combined Ra226/228
pCi/L
20
18
16
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)

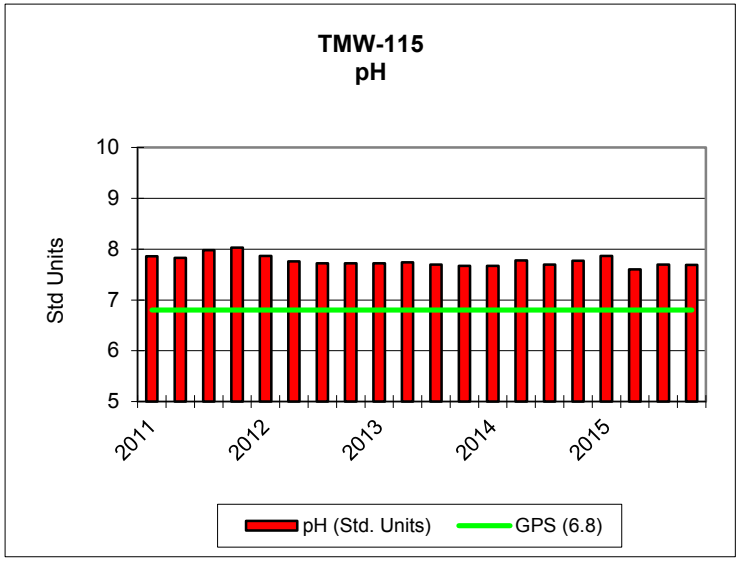

TMW-113
TDS
mg/L
2500
2000
1500
1000
500
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)

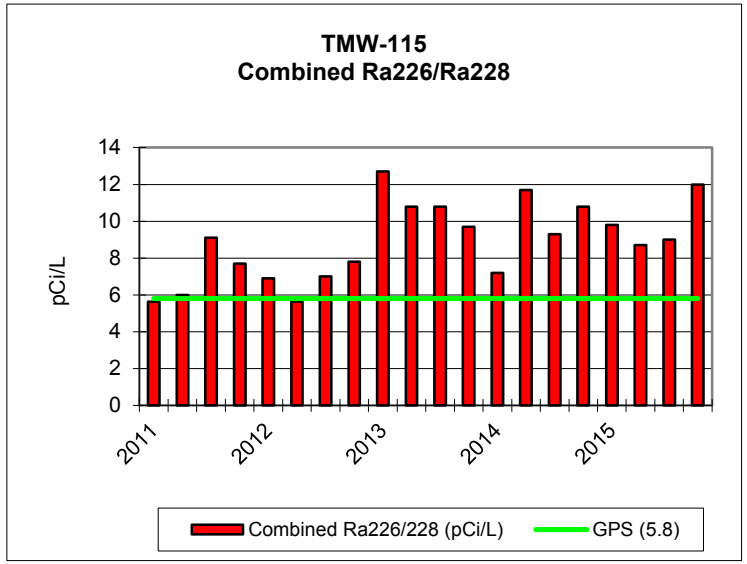

TMW-113
Uranium, Natural
pCi/L
200
150
100
50
0
2011
2012
2013
2014
2015
Uranium, natural (pCi/L)
GPS (36)

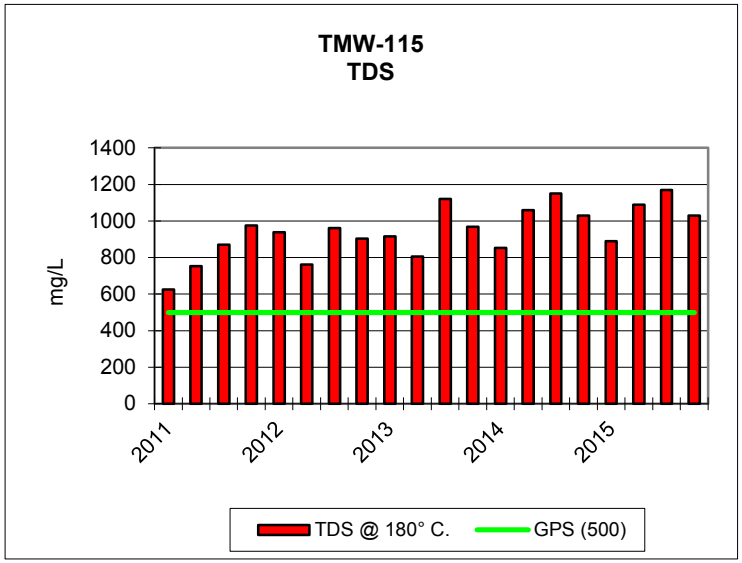

TMW-113
Manganese
mg/L
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2011
2012
2013
2014
2015
Manganese (Mn)
GPS (0.2)

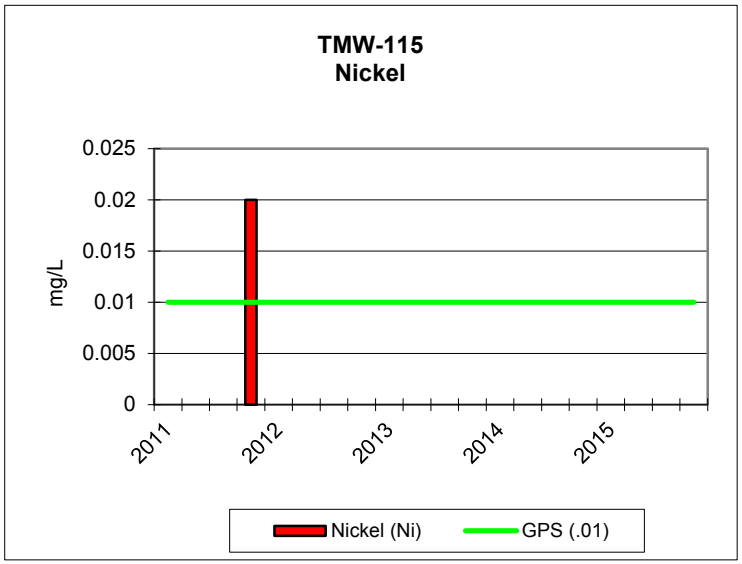
KENNECOTT URANIUM COMPANY																	
TMW-115		2011				2012				2013				2014			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/26/2011	4/12/2011	8/1/2011	10/18/2011	1/17/2012	5/7/2012	8/19/2012	10/15/2012	1/28/2013	4/1/2013	7/7/2013	10/15/2013	2/3/2014	4/7/2014	8/4/2014	11/3/2014
TDS A/C Balance *(dec. %)*		-2.38	0.263	-2.29	2.99	3.5	-3.04	-1.69	-0.321	2.8	-2.37	0.601	0.881	3.3	0.08	0.99	0.86
Alk-CaC03		121	121	114	114	119	132	132	132	127	128	128	132	123	121	130	132
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.003	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		148	147	139	140	145	161	161	161	155	156	157	161	150	147	159	161
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		135	161	180	226	224	151	201	187	206	167	241	218	170	235	255	221
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride (Cl)		12	12	13	15	15	13	16	15	15	15	18	17	16	18	19	19
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		874	1010	1130	1230	1240	1060	1200	1140	1170	1080	1410	1240	1120	1340	1430	1310
Cond-Field *(umhos/cm)*		937	1058	1220	1321	1283	1072	1293	1200	1233	1258	1504	1356	1223	1140	1642	1334
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	ND	0.1
Gross Alpha *(pCi/L)*	GPS (15)	1	1.6	1.6	2	2.6	1	1.7	1.9	2.9	2.3	1.9	1.6	1.6	1.9	1.8	2.1
Iron (Fe)	GPS (0.6)	0.05	0.13	<0.05	0.35	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		10.8	12.9	15.2	18.3	17.1	12.8	17.2	16.3	17.7	13.7	20	16.5	14	18.1	21	18.3
Manganese (Mn)	GPS (0.2)	0.08	0.1	0.12	0.13	0.11	0.09	0.11	0.1	0.11	0.08	0.12	0.11	0.09	0.12	0.15	0.13
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.86	7.83	7.98	8.03	7.87	7.76	7.72	7.72	7.72	7.74	7.7	7.67	7.67	7.78	7.7	7.77
pH (Field) *(Std. Units)*		7.2	7.7	7.6	7.5	7.7	7.6	7.3	7.68	7.64	7.8	7.9	7.8	7.7	7.9	7.9	7.56
Potassium (K)		3.4	3.8	3.7	4	4.3	3.5	4.2	4	4.1	3.5	4.7	4.3	3.3	4.2	4.2	4.2
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	5.63	6	9.1	7.7	6.9	5.63	7	7.8	12.7	10.8	10.8	9.7	7.2	11.7	9.3	10.8
Radium 226 *(pCi/L)*		0.93	1.4	1.9	1.4	1.3	0.63	1.6	1.9	2.9	1.6	2.4	2.1	1.6	3	1.9	2.7
Radium 228 *(pCi/L)*		4.7	4.6	7.2	6.3	5.6	5	5.4	5.9	9.8	9.2	8.4	7.6	5.6	8.7	7.4	8.1
Selenium (Se)	GPS (.01)	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.3	15	13.6	14.3	15.1	12.7	14.6	13.6	14.7	13.3	13.4	13.5	12	14.4	13.3	13.3
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		43.3	49.5	49.7	57.7	54.6	46.5	52.2	55	55.6	50.1	62.2	52.2	47.2	55.6	61.3	59.5
TDS @ 180° *C.*	GPS (500)	625	753	870	975	938	761	962	904	916	805	1120	969	852	1060	1150	1030
Sulfate (SO4)		351	409	500	566	540	402	538	489	504	449	634	540	464	615	693	565
Temperature *(C)*		10.2	11.1	12	10.1	10.2	10.9	11.8	11.7	10.1	9.9	12	9.3	9	9.6	10.7	9.5
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	8.3	8.9	10.6	11.4	9.7	10.4	11.6	14.4	10.9	10.6	12.1	12.4	9.8	11.6	12.6	13.7
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	ND	ND

KENNECOTT URANIUM COMPANY					
TMW-115		2015			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/21/2015	5/4/2015	7/22/2015	12/6/2015
TDS A/C Balance *(dec. %)*		0.52	3.38	0.21	1.26
Alk-CaC03		124	117	129	134
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Bicarbonate (HCO3)		151	142	158	163
Boron (B)		<0.1	<0.1	<0.1	<0.1
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005
Calcium (Ca)		188	234	254	217
Carbonate (CO3)		<1	<1	<1	<1
Chloride (Cl)		17	18	20	20
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001
Cond *(umhos/cm)*		1160	1360	1460	1310
Cond-Field *(umhos/cm)*		1204	1322	1541	1408
Copper (Cu)		<0.01	<0.01	<0.01	<0.01
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005
Fluoride (F)		0.1	0.1	0.1	0.1
Gross Alpha *(pCi/L)*	GPS (15)	3.3	8.8	18.6	5
Iron (Fe)	GPS (0.6)	0.12	0.14	0.18	0.13
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01
Magnesium (Mg)		15.6	17.3	20.1	18.6
Manganese (Mn)	GPS (0.2)	0.11	0.13	0.14	0.13
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1
pH *(Std. Units)*	GPS (6.8)	7.87	7.6	7.7	7.69
pH (Field) *(Std. Units)*		8.02	7.67	7.42	7.62
Potassium (K)		3.9	4.2	4.6	4.3
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	9.8	8.7	9	12
Radium 226 *(pCi/L)*		1.8	1.9	2.2	1.8
Radium 228 *(pCi/L)*		8	6.8	6.8	10.2
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13	12.9	13.5	13.5
Silver (Ag)		<0.01	<0.01	<0.01	<0.01
Sodium (Na)		53.8	53.6	59.9	60.7
TDS @ 180° *C.*	GPS (500)	890	1090	1170	1030
Sulfate (SO4)		493	662	672	589
Temperature *(C)*		8.4	9.5	9.3	7.9
Thallium (Tl)	GPS (7.0)	<0.01	<0.01	<0.01	<0.01
Thorium 230 *(pCi/L:)*		<0.2	<0.2	<0.2	<0.2
Uranium, natural *(pCi/L)*	GPS (36)	10.7	11.5	11.7	12.7
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		ND	ND	ND	ND


TMW-115
pH
Std Units
10
9
8
7
6
5
2011
2012
2013
2014
2015
pH (Std. Units)
GPS (6.8)


TMW-115
Combined Ra226/Ra228
pCi/L
14
12
10
8
6
4
2
0
2011
2012
2013
2014
2015
Combined Ra226/228 (pCi/L)
GPS (5.8)


TMW-115
TDS
mg/L
1400
1200
1000
800
600
400
200
0
2011
2012
2013
2014
2015
TDS @ 180° C.
GPS (500)


TMW-115
Nickel
mg/L
0.025
0.02
0.015
0.01
0.005
0
2011
2012
2013
2014
2015
Nickel (Ni)
GPS (.01)

Catchment Basin Hydrocarbon & Diesel Excavation Monitor Wells

Kennecott Uranium Company		Collected in uncased hole																		
Sweetwater Uranium Project																				
TMW-10				2008			2009				2010				2011				2012	2014
Northing: 149145.59 Easting: 323037.81	Groundwater Protection	08/21/07	09/05/07	02/13/08	08/11/08	11/18/08	01/12/09	04/07/09	07/08/09	10/06/09	01/18/10	04/12/10	07/07/10	10/04/10	01/17/11	04/04/11	07/11/11	10/23/11		
ORGANICS mg/L:																				
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	TMW-10 was found to be "plugged" or blocked by sand in 2012 and could not be pumped/sampled. The well remains blocked.	
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
VOLATILE ORGANIC COMPOUNDS mg/L:																				
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Chloroform		0.0011	0.011	ND	0.02	0.019	0.023	0.019	0.018	0.02	0.017	0.019	0.017	0.014	0.02	0.0085	0.012	0.021		
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	0.0016	ND	0.003	0.0032	0.0035	0.0035	0.003	0.0033	0.003	0.0035	0.0031	0.0023	0.0031	0.0013	0.0015	0.0028		
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
(1) - EPA MCL																				
(2) - WY Drinking Water Equivalent Level																				
(3) - WY VRP, Fact Sheet 12																				
(4) - EPA RBC - Tap Water																				
(LAB: Energy Labs Inc. unless noted.)																				

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470			**Top**		**Bottom**								
Easting:	322997.150			**Below Surface**	**Elevation**	**Below Surface**	**Elevation**							
Elevation:	6640.350		**Screen:**	90.000	6550.350	114.000	6526.350							
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/5/02**	**3/12/02**	**5/8/02**	**5/16/02**	**6/26/02**	**7/31/02**	**8/20/02**	**9/11/02**	**10/10/02**	**11/18/02**	**12/10/02**	**1/7/03**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	1.8	1.7	1.5	1.7	2.0	1.9	1.4	1.3
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	0.826	0.228	0.199	0.121	0.060	0.051	0.055	0.032	0.023	0.029	0.025
Diesel Range Organics			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/10/03**	**3/12/03**	**4/23/03**	**5/14/03**	**6/4/03**	**7/14/03**	**8/5/03**	**9/17/03**	**10/22/03**	**11/11/03**	**12/9/03**	**1/13/04**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	1.8	1.8	1.4	1.5	1.0	1.5	1.1	1.2	1.6	1.3	1.6	1.7
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/11/04**	**3/16/04**	**4/12/04**	**5/11/04**	**6/10/04**	**7/14/04**	**8/4/04**	**9/16/04**	**10/13/04**	**11/8/04**	**12/8/04**	**1/19/05**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	1.1	1.3	ND	1.0	1.2	ND	1.2	ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/9/05**	**3/8/05**	**4/12/05**	**5/10/05**	**6/9/05**	**7/19/05**	**8/9/05**	**9/22/05**	**10/25/05**	**11/29/05**	**12/12/05**	**1/11/06**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	12	12	2.5
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/2/06**	**3/1/06**	**4/10/06**	**5/2/06**	**6/5/06**	**7/25/06**	**8/15/06**	**9/5/06**	**10/2/06**	**11/8/06**	**12/13/06**	**1/10/07**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	1.0	ND	ND	1.0	1.3	ND	1.0	ND	ND	ND	ND
Chloromethane			1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/14/07**	**3/5/07**	**4/3/07**	**5/1/07**	**6/3/07**	**7/17/07**	**8/1/07**	**9/5/07**	**10/1/07**	**11/7/07**	**12/5/07**	**1/13/08**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	ND	1.7	ND	ND	ND	1.0	1.3	1.1
Chloromethane			ND	ND	ND	ND	ND	3.0	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/20/08**	**3/19/08**	**4/7/08**	**5/13/08**	**6/4/08**	**7/15/08**	**8/8/08**	**9/23/08**	**10/5/08**	**11/18/08**	**12/2/08**	**1/12/09**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	ND	ND	ND	1.0	ND	1.1	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/4/09**	**3/7/09**	**4/7/09**	**5/12/09**	**6/15/09**	**7/8/09**	**8/14/09**	**9/14/09**	**10/6/09**	**11/8/09**	**12/1/09**	**1/18/10**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/3/10**	**3/9/10**	**4/12/10**	**5/19/10**	**6/7/10**	**7/7/10**	**8/16/10**	**9/7/10**	**10/4/10**	**11/8/10**	**12/1/10**	**1/17/11**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	1.3	1.1	ND	1.8
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/21/11**	**3/7/11**	**4/4/11**	**5/10/11**	**6/19/11**	**7/11/11**	**8/8/11**	**9/20/11**	**10/23/11**	**11/7/11**	**12/5/11**	**1/23/12**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/6/12**	**3/5/12**	**4/16/12**	**5/2/12**	**6/5/12**	**7/10/12**	**8/22/12**	**9/18/12**	**10/2/12**	**11/27/12**	**12/10/12**	**1/21/13**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)			**Methylene chloride (ug/L):**		6.0	1.8	2.7	5.7	1.7	1.1	3.2	2.0	4.1	2.0

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/4/13**	**3/18/13**	**4/22/13**	**5/20/13**	**6/12/13**	**7/8/13**	**8/13/13**	**9/10/13**	**10/28/13**	**11/11/13**	**12/16/13**	**1/18/2014**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)			2.3	1.7	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-72**													
Northing:	149020.470													
Easting:	322997.150													
Elevation:	6640.350													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**2/4/2014**	**3/12/2014**	**4/8/2014**	**5/19/2014**	**5/28/2014**	**6/3/2014**	**7/15/2014**	**8/11/2014**	**9/16/2014**	**10/21/2014**	**11/18/14**	**12/2/2014**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Kennecott Uranium Company												
Sweetwater Uranium Project												
Hydrocarbon Analysis Data												
Monitor Well:	**TMW-72**											
Northing:	149020.470											
Easting:	322997.150											
Elevation:	6640.350											
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**1/20/2015**	**2/3/2015**	**3/30/2015**	**4/22/2015**	**5/13/2015**	**6/8/2015**	**7/22/2015**	**8/11/2015**	**9/1/2015**	**12/2/2015**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70					**Top**		**Bottom**						
Easting:	322896.82					**Below Surface**	**Elevation**	**Below Surface**	**Elevation**					
Elevation:	6643.31				**Screen:**	90.00	6553.31	114.00	6529.31					
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**4/16/02**	**4/30/02**	**5/14/02**	**6/26/02**	**7/31/02**	**8/20/02**	**9/11/02**	**10/10/02**	**11/18/02**	**12/10/02**	**1/7/03**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		2.8	3.2	2.7	3.3	3.4	2.9	3.0	3.5	3.1	2.5	2.8
1,1-Dichloroethene	7			ND	1.0	1.0	1.4	2.0	1.6	1.2	1.7	1.4	1.7	1.6
1,1,1-Trichloroethane	200			3.2	4.0	5.2	4.3	5.0	4.7	4.5	5.4	4.1	3.3	4.0
Chloroform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			120	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				0.032		ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**2/10/03**	**3/12/03**	**4/23/03**	**5/14/03**	**6/4/03**	**7/14/03**	**8/5/03**	**9/17/03**	**10/22/03**	**11/11/03**	**12/9/03**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		2.5	3.1	2.6	2.6	2.5	2.4	2.9	2.4	2.2	2.0	2.3
1,1-Dichloroethene	7			1.8	2.1	1.8	1.6	1.7	1.5	1.7	1.9	1.4	1.5	1.7
1,1,1-Trichloroethane	200			4.1	5.2	4.2	3.8	4.0	3.2	3.8	3.8	2.5	2.9	3.5
Chloroform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**1/12/04**	**2/11/04**	**3/16/04**	**4/12/04**	**5/11/04**	**6/10/04**	**7/14/04**	**8/4/04**	**9/16/04**	**10/13/04**	**11/8/04**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		2.4	1.5	2.2	2.5	2.2	2.5	2.0	2.2	2.4	1.8	2.3
1,1-Dichloroethene	7			1.4	1.8	1.6	1.7	1.5	1.9	1.3	1.5	1.5	1.8	1.7
1,1,1-Trichloroethane	200			3.2	2.7	3.7	3.3	3.5	4.2	2.9	3.7	3.7	3.7	4.2
Chloroform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			120	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND
Tetrachloroethene	5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**12/8/04**	**1/19/05**	**2/9/05**	**3/8/05**	**4/12/05**	**5/10/05**	**6/9/05**	**7/19/05**	**8/9/05**	**9/22/05**	**10/25/05**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		2.1	2.1	2.6	2.2	1.8	2.0	2.1	2.1	1.9	2.0	2.1
1,1-Dichloroethene	7			1.6	1.5	1.8	1.7	1.5	1.5	1.5	1.4	1.3	1.6	1.4
1,1,1-Trichloroethane	200			3.7	3.4	3.6	3.6	3.4	3.5	3.8	3.6	4.0	3.7	3.2
Chloroform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**11/29/05**	**12/12/05**	**1/11/06**	**2/2/06**	**3/1/06**	**4/6/06**	**5/2/06**	**6/5/06**	**7/25/06**	**8/15/06**	**9/5/06**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		2.1	1.9	1.9	1.8	2.0	2.0	2.0	1.9	2.1	1.8	1.9
1,1-Dichloroethene	7			1.4	1.3	1.6	1.5	1.5	1.4	1.5	1.5	1.6	1.5	1.6
1,1,1-Trichloroethane	200			3.7	3.6	3.6	3.5	3.7	3.5	3.3	3.3	3.6	2.8	3.1
Chloroform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			120	11	11	3.4	1.4	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**10/2/06**	**11/8/06**	**12/13/06**	**1/10/07**	**2/14/07**	**3/5/07**	**4/3/07**	**5/1/07**	**6/3/07**	**7/17/07**	**8/1/07**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		1.8	1.8	1.9	1.7	2.1	1.6	1.7	1.8	1.9	2.3	1.2
1,1-Dichloroethene	7			1.4	1.3	1.5	1.6	1.7	1.7	1.7	1.4	1.6	2.1	1.4
1,1,1-Trichloroethane	200			2.8	3.0	3.1	3.4	3.6	3.0	3.4	3.0	3.3	4.0	3.0
Chloroform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND
Tetrachloroethene	5			ND	ND	ND	1.1	ND	ND	ND	1.0	1.2	ND	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	2.700	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**9/5/07**	**10/1/07**	**11/7/07**	**12/5/07**	**1/13/08**	**2/20/08**	**3/19/08**	**4/7/08**	**5/13/08**	**6/4/08**	**7/15/08**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		1.7	ND	1.7	2.3	2	2.1	2.1	1.8	1.5	1.1	1.4
1,1-Dichloroethene	7			1.4	2.3	1.1	1.9	1.3	1.7	1.5	1.1	1.3	1	1.2
1,1,1-Trichloroethane	200			3.3	2.8	2.3	4.4	3.4	4.1	3	3	3.3	2.9	3.4
Chloroform				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			1.1	ND	ND	1.0	ND	1.3	ND	ND	ND	ND	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	0.310	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**8/12/08**	**9/23/08**	**10/5/08**	**11/18/08**	**12/2/08**	**1/12/09**	**2/4/09**	**3/7/09**	**4/7/09**	**5/12/09**	**6/15/09**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		1.7	1.6	1.3	1.5	ND	ND	1.8	1.5	1.4	1.3	1.6
1,1-Dichloroethene	7			1.2	1.2	ND	1.3	ND	1.3	1.2	1.3	1.2	1.1	ND
1,1,1-Trichloroethane	200			3.2	3.9	3.5	3.5	ND	3.1	3.1	3.7	3.3	3.1	2.5
Chloroform				2.5	3.4	2.9	3.6	3.5	3.6	3.6	4.2	4.0	4.1	3.9
Chloromethane			120	ND	ND	ND	ND	3.6	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			ND	ND	ND	1.1	ND	1.0	ND	1.4	1.0	1.1	1.1
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**7/8/09**	**8/12/09**	**9/14/09**	**10/6/09**	**11/8/09**	**12/1/09**	**1/18/10**	**2/3/10**	**3/9/10**	**4/12/10**	**5/19/10**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		1.5	1.5	1.3	1.3	1.3	1.1	ND	ND	1.3	1.2	1.2
1,1-Dichloroethene	7			1.1	1.0	1.0	1.0	1.2	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200			3.0	2.6	3.0	3.0	3.5	2.5	2.4	2.7	2.6	3.0	3.1
Chloroform				5.0	5.0	5.7	6.3	6.0	4.8	4.1	4.2	4.9	5.3	5.0
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			ND	ND	1.1	1.1	ND	ND	1.2	1.4	ND	1.3	1.0
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**6/7/10**	**7/7/10**	**8/16/10**	**9/7/10**	**10/4/10**	**11/8/10**	**12/1/10**	**1/17/11**	**2/21/11**	**3/7/11**	**4/4/11**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		1.1	1.2	1.4	1.3	1.2	1.1	1.2	1.1	ND	1.0	ND
1,1-Dichloroethene	7			ND	1.0	1.0	ND	ND	ND	1.0	1.1	1.1	ND	ND
1,1,1-Trichloroethane	200			3.1	3.1	3.3	3.1	3.1	2.8	2.9	3.2	3.5	2.6	2.8
Chloroform				5.1	5.3	5.9	5.6	6.4	5.4	5.6	4.7	4.6	3.7	4.1
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			1.1	1.2	1.4	1.2	1.2	1.1	1.4	1.1	1.4	1.2	1.2
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)														

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**5/10/11**	**6/19/11**	**7/11/11**	**8/8/11**	**9/20/11**	**10/23/11**	**11/7/11**	**12/5/11**	**1/23/12**	**2/6/12**	**3/5/12**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		1.2	ND	ND	1.1	ND	1.4	1.2	ND	ND	ND	ND
1,1-Dichloroethene	7			ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200			3.2	2.3	2.4	2.9	2.2	4.2	2.1	3.1	2.0	2.5	1.9
Chloroform				4.5	3.8	4.2	5.2	3.8	6.8	3.2	5.0	3.8	4.3	3.5
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			1.5	1.2	1.3	1.4	1.2	1.4	1.4	1.4	ND	1.1	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)												Methylene chloride (ug/L)		

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**4/16/12**	**5/2/12**	**6/5/12**	**7/10/12**	**8/22/12**	**9/18/12**	**10/2/12**	**11/27/12**	**12/10/12**	**1/21/13**	**2/4/13**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		ND	1.1	ND	ND	ND	1.0	ND	ND	1.8	ND	ND
1,1-Dichloroethene	7			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200			2.2	2.7	ND	1.8	2.3	2.1	2.2	2.5	2.5	2.0	ND
Chloroform				4.0	4.8	ND	3.7	4.6	3.9	4.4	4.6	4.0	3.2	3.0
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			1.1	1.1	ND	ND	1.1	1.1	ND	ND	ND	ND	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)				12.0	5.7	1.3	9.7	4.4	1.9	2.6	2.1	1.9	1.4	1.4

Kennecott Uranium Company															
Sweetwater Uranium Project															
Hydrocarbon Analysis Data															
Monitor Well:	**TMW-73**														
Northing:	149055.70														
Easting:	322896.82														
Elevation:	6643.31														
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**3/18/13**	**4/22/13**	**5/20/13**	**6/12/13**	**7/8/13**	**8/13/13**	**9/10/13**	**10/28/13**	**11/11/13**	**12/16/13**	**1/18/2014**	**2/4/2014**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		ND	1.2	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.1
1,1-Dichloroethene	7			ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	1.8	1
1,1,1-Trichloroethane	200			2.1	2.2	ND	2.0	2.3	2.1	2.3	2.2	2.5	2.2	3.2	2.8
Chloroform				3.0	3.3	1.4	2.9	3.1	3.0	2.8	3.2	3.2	2.9	3.4	3.8
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			ND	1.1	ND	ND	1.1	ND	ND	1.0	ND	ND	1.7	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)				1.4	2.5	4.8	1.1	1.4	ND	ND	ND	ND	ND	ND	ND

Kennecott Uranium Company														
Sweetwater Uranium Project														
Hydrocarbon Analysis Data														
Monitor Well:	**TMW-73**													
Northing:	149055.70													
Easting:	322896.82													
Elevation:	6643.31													
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**3/12/2014**	**4/8/2014**	**5/19/2014**	**5/28/2014**	**6/3/2014**	**7/15/2014**	**8/11/2014**	**9/16/2014**	**10/21/2014**	**11/18/2014**	**12/2/2014**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND
1,1-Dichloroethene	7			ND	ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND
1,1,1-Trichloroethane	200			2.7	2.6	2.3	2.3	2.3	2.2	2.6	2.8	2.5	2.1	1.9
Chloroform				3.2	3.2	ND	ND	2.5	2.5	2.5	2.3	2.6	2.2	2.2
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			ND	ND	ND	ND	ND	ND	ND	1.1	ND	1	ND
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Kennecott Uranium Company													
Sweetwater Uranium Project													
Hydrocarbon Analysis Data													
Monitor Well:	**TMW-73**												
Northing:	149055.70												
Easting:	322896.82												
Elevation:	6643.31												
Constituent	**Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) for Drinking Water**	**WDEQ Drinking Water Equivalent Level (DWEL)**	**Calculated Drinking Water Equivalent Level (DWEL)**	**1/20/2015**	**2/3/2015**	**3/30/2015**	**4/28/2015**	**5/13/2015**	**6/8/2015**	**7/22/2015**	**8/11/2015**	**9/1/2015**	**12/2/2015**
	micrograms per liter	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**	**micrograms per liter**
1,1-Dichloroethane		3000		1	1.4	ND	1	1.6	1.6	1.5	1.3	ND	1.2
1,1-Dichloroethene	7			ND	1.2	ND	1.1	1.3	1.1	1.5	1.2	ND	ND
1,1,1-Trichloroethane	200			2	2.6	2.2	2.1	2.2	2.4	3	2.4	1.9	2.5
Chloroform				1.9	2.4	2.2	2.2	2.2	2.6	2.9	2.2	1.5	1.9
Chloromethane			120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5			ND	ND	1.1	1	ND	ND	ND	ND	1.2	1.5
m+p-Xylenes	10000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
				milligrams per liter	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**	**milligrams per liter**
Gasoline Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel Range Organics				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (ug/L)				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

KENNECOTT URANIUM COMPANY															
TMW-90															
NORTHING: 148,611.42 EASTING: 323,958.91	Groundwater Protection				2004									Pump was down; re-started	
ND = Non-detectable	Standard	09/08/03	09/15/03	10/14/03	01/19/04	02/11/04	03/17/04	04/06/04	06/10/04	07/13/04	08/05/04	09/20/04	10/12/04	11/04/04	12/07/04
ORGANICS mg/L:															
Diesel Range Organics (DRO)	GPS 10 (3)	11	13	45	1500	13	11	94	320	43	13	9	12	12	*
Gasoline Range Organics (GRO)	GPS 10 (3)	0.132	0.117	0.105	0.093	105	0.058	0.129	0.056	0.08	0.036	0.05	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:															
1,1-Dichloroethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	0.021	0.025	0.035	0.067	0.028	0.0026	0.034	0.0019	0.0028	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	0.0028	ND	ND	0.0025	0.0055	0.0011	0.0016	ND	ND	ND	0.0018	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	0.0037	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	0.0011	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL															
(2) - WY Drinking Water Equivalent Level														* Total Extractable Hydroca	
(3) - WY VRP, Fact Sheet 12															
(4) - EPA RBC - Tap Water															
(LAB: Energy Labs Inc. unless noted.)															

KENNECOTT URANIUM COMPANY										
TMW-90										
NORTHING: 148,611.42 EASTING: 323,958.91	2005								2006	
ND = Non-detectable	01/19/05	02/09/05	03/16/05	04/11/05	05/10/05	07/18/05	10/05/05	10/31/05	01/19/06	04/04/06
ORGANICS mg/L:										
Diesel Range Organics (DRO)	41000	737000	17	14	9.3	11	13	7.4	800000	200
Gasoline Range Organics (GRO)	0.131	ND	0.923	0.087	0.045	ND	0.044	ND	ND	0.15
VOLATILE ORGANIC COMPOUNDS mg/L:										
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	0.034	0.0031	ND	ND	ND	ND	ND	120 ug/L	34 ug/L
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.023	0.025	ND	ND	ND	ND	ND	ND	ND	14 ug/L
1,2,4-Trimethylbenzene	0.0011	ND	ND	ND	ND	ND	ND	ND	ND	6.5 ug/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL										
(2) - WY Drinking Water Equivalent Level	rbons = 87.1%									
(3) - WY VRP, Fact Sheet 12										
(4) - EPA RBC - Tap Water										
(LAB: Energy Labs Inc. unless noted.)										

KENNECOTT URANIUM COMPANY																				
TMW-91																				
NORTHING: 148,518.38	Groundwater																			
EASTING: 323,956.86	Protection	2011				2012				2013			2014				2015			
ND = Non-detectable	Standard	3/15/11	4/18/11	8/16/11	10/25/11	2/7/12	5/9/12	8/19/12	10/23/12	02/19/13	04/29/13	10/21/13	1/27/2014	04/22/14	07/22/14	10/28/14	1/26/2015	4/28/2015	7/21/2015	12/1/2015
	(GPS)																			
	as of 5/26/05																			
ORGANICS mg/L:																				
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																				
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	0.0011	ND	ND	ND	ND	ND	0.001	0.0014	ND	ND	0.0012	ND	ND	0.0013	ND	ND	ND	ND	0.0011
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																				
(2) - WY Drinking Water Equivalent Level																				
(3) - WY VRP, Fact Sheet 12																				
(4) - EPA RBC - Tap Water																				

KENNECOTT URANIUM COMPANY																					
TMW-92																					
NORTHING: 148,504.47	Groundwater																				
EASTING: 323,951.33	Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	2/28/11	6/19/11	9/11/11	11/7/11	3/5/12	5/8/12	9/24/12	11/5/12	1/29/13	6/11/13	9/10/13	10/29/13	1/27/14	5/20/14	7/22/14	11/11/14	3/23/2015	6/1/2015	9/14/2015	12/14/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.0016	0.0026	0.0025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p-Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-93																					
NORTHING: 148,399.92 EASTING: 324,099.96	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	3/15/11	6/19/11	9/19/11	11/14/11	3/7/12	5/7/12	9/24/12	11/5/12	1/29/13	6/10/13	9/9/13	10/21/13	2/24/14	4/28/14	8/26/14	11/12/14	3/23/2015	6/1/2015	9/14/2015	12/14/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.002	0.0014	0.0013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-94																					
NORTHING: 148,400.13 EASTING: 324,000.02	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	2/8/11	6/19/11	9/19/11	11/14/11	3/5/12	5/8/12	9/24/12	11/5/12	1/29/13	6/10/13	9/9/13	10/21/13	2/4/14	4/28/14	8/26/14	11/11/14	03/23/15	06/01/15	09/14/15	12/14/15
ORGANICS m/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.0029	0.0011	0.0011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-95																					
NORTHING: 148,399.94 EASTING: 323,900.08	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	2/8/11	6/19/11	9/20/11	11/14/11	2/6/12	5/8/12	9/24/12	11/5/12	1/29/13	6/10/13	9/9/13	10/21/13	2/4/14	4/28/14	8/26/14	11/12/14	3/23/15	6/1/15	9*/14/15	12/14/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.0021	0.0011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-96																					
NORTHING: 148,500.01 EASTING: 323,807.75	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	3/7/11	4/12/11	7/12/11	10/23/11	1/4/12	4/16/12	7/10/12	10/16/12	3/25/13	4/29/13	7/8/13	10/1/13	3/18/14	4/1/14	7/8/14	10/21/14	1/26/15	4/15/15	7/20/15	11/3/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	0.0019	ND	ND	ND	ND	ND	ND	ND	0.0017	0.0021	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-97																					
NORTHING: 148,599.86 EASTING: 323,799.93	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	3/7/11	6/19/11	9/19/11	10/23/11	1/4/12	4/10/12	7/10/12	9/6/12	3/25/13	4/29/13	7/8/13	10/1/13	3/18/14	4/1/14	7/8/14	11/10/14	3/25/15	6/2/15	9/2/15	11/3/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0024	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-98																					
NORTHING: 148699.84 EASTING: 323810.19	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	2/8/11	6/6/11	9/19/11	11/15/11	3/5/12	5/8/12	9/24/12	11/5/12	3/5/13	6/11/13	9/9/13	10/28/13	2/4/14	4/29/14	8/11/14	11/10/14	3/30/15	6/2/15	9/2/15	12/15/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-99																					
NORTHING: 148707.32	Groundwater																				
EASTING: 323898.85	Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	2/28/11	6/19/11	9/19/11	11/15/11	3/5/12	6/5/12	9/24/12	11/5/12	3/5/13	6/11/13	9/9/13	11/11/13	2/24/14	5/6/14	8/12/14	11/12/14	3/30/15	6/2/15	9/2/15	12/15/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	0.0011	0.002	0.002	0.0026	0.0024	0.0014	0.0022	0.0025	ND	0.0026	0.002	0.0013	0.0018	0.002	0.0016	0.0017	0.0019	0.003	0.0015	0.0013
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.0012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																						
TMW-100																						
NORTHING: 148799.77	Groundwater									By Bail												
EASTING: 324004.42	Protection	2011				2012					2013				2014				2015			
ND = Non-detectable	Standard	2/8/11	6/6/11	8/1/11	11/15/11	1/31/12	6/5/12	8/19/12	11/6/12	11/6/12	1/29/13	5/20/13	8/13/13	10/29/13	2/3/14	4/29/14	8/11/14	11/18/14	2/10/15	6/2/15	8/12/15	12/15/15
ORGANICS mg/L:																						
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	6820	ND	ND	ND	ND	ND	ND	ND	4.5	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																						
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	ND	0.0028	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																						
(2) - WY Drinking Water Equivalent Level																						
(3) - WY VRP, Fact Sheet 12																						
(4) - EPA RBC - Tap Water																						
(LAB: Energy Labs Inc. unless noted.)																						

KENNECOTT URANIUM COMPANY																					
TMW-101																					
NORTHING: 148,800.10 EASTING: 324,100.06	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	2/8/11	6/6/11	8/1/11	11/15/11	1/31/12	5/8/12	8/19/12	12/10/12	1/29/13	5/20/13	8/13/13	10/29/13	2/3/14	4/29/14	8/11/14	11/19/14	2/10/15	6/2/15	8/12/15	12/16/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.0013	0.0015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																				
TMW-102																				
NORTHING: 148,600.02 EASTING: 323,968.63	Groundwater Protection	2011				2012	By Bail			2013			2014				2015			
ND = Non-detectable	Standard	3/21/11	4/18/11	8/16/11	10/25/11	2/7/12	5/9/12	8/19/12	10/23/12	2/19/13	4/29/13	10/21/13	1/27/14	4/22/14	7/22/14	10/28/14	1/26/15	5/4/15	7/22/15	12/2/15
ORGANICS mg/L:																				
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																				
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																				
(2) - WY Drinking Water Equivalent Level																				
(3) - WY VRP, Fact Sheet 12																				
(4) - EPA RBC - Tap Water																				
(LAB: Energy Labs Inc. unless noted.)																				

KENNECOTT URANIUM COMPANY																					
TMW-103																					
NORTHING: 149,144.44 EASTING: 323,576.50	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	1/18/11	4/4/11	7/17/11	10/23/11	1/17/12	4/23/12	7/13/12	10/15/12	1/21/13	4/2/13	7/7/13	10/14/13	1/13/14	4/7/14	7/8/14	10/29/14	1/26/15	4/24/15	7/22/15	11/16/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.005 (1)	0.0018	0.0013	0.0014	0.0029	0.0021	0.0061	0.005	0.0059	0.0027	0.0027	0.0022	0.0016	0.0026	0.002	0.0023	0.0012	2.2	1.7	1.6	1.4
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		0.0019	0.0014	0.0014	0.002	0.0035	0.0032	0.0026	0.003	0.0027	0.0047	0.0021	0.002	0.0017	0.0015	0.0016	0.0014	1.6	1.3	1.3	1.3
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-104																					
NORTHING: 148,508.55 EASTING: 324,122.60	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	1/26/11	6/6/11	8/1/11	11/15/11	1/30/12	5/7/12	8/19/12	12/11/12	1/28/13	6/11/13	8/13/13	10/29/13	2/3/14	4/8/14	7/15/14	11/19/14	2/3/15	6/3/15	8/12/15	12/16/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

TMW-105																						
NORTHING: 148,581.02 EASTING: 323,943.82	Groundwater Protection	2003	2004												2005							
ND = Non-detectable	Standard	12/30/03	1/19/04	2/11/04	3/23/04	4/12/04	5/11/04	6/15/04	7/13/04	8/5/04	9/20/04	10/12/04	11/4/04	12/7/04	1/12/05	2/9/05	3/16/05	4/11/05	5/10/05	7/18/05	10/5/05	10/31/05
ORGANICS mg/L:																						
Diesel Range Organics (DRO)	GPS 10 (3)	22	25	290	20	15	220	14	5.2	15	40	57	32	630	40000	24000	420	190	130	50	110	52
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	0.073		0.134	0.125	0.083	0.092	0.06	0.063	0.102	ND	ND	0.137	ND	ND	0.159	0.176	0.147	0.064	0.173	0.132
VOLATILE ORGANIC COMPOUNDS mg/L:																						
1,1-Dichloroethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 3 (2)	ND	ND	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 0.007 (1)	ND	ND	0.12	0.048	0.041	0.054	0.023	0.0094	ND	ND	0.036	0.036	0.07	0.17	0.033	0.042	0.072	0.061	0.058	0.062	0.066
Toluene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 1 (1)	ND	0.013	0.02	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	0.027	ND	0.034	ND	ND	0.0029	ND	0.0041	0.0019
1,2,4-Trimethylbenzene	GPS 0.20 (1)	ND	ND	0.0062	ND	ND	ND	ND	ND	ND	0.0013	0.001	0.0015	ND	ND	0.0079	ND	ND	0.0031	0.0029	0.003	0.0027
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																						
(2) - WY Drinking Water Equivalent Level																						
(3) - WY VRP, Fact Sheet 12																						
(4) - EPA RBC - Tap Water																						

KENNECOTT URANIUM COMPANY																					
TMW-106																					
NORTHING: 149,120.61 EASTING: 323,577.45	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	1/18/11	4/5/11	7/17/11	10/23/11	1/17/12	4/23/12	7/13/12	10/15/12	1/21/13	4/2/13	7/7/13	10/14/13	1/13/14	4/7/14	7/8/14	10/29/14	1/26/15	4/22/15	7/22/15	11/16/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.005 (1)	0.0023	0.0013	0.001	0.0012	0.001	0.0031	0.0028	0.0031	0.0017	0.0016	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-107																					
NORTHING: 148,109.87 EASTING: 323,621.68	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	1/18/11	4/11/11	7/18/11	10/18/11	1/17/12	4/16/12	7/13/12	10/15/12	1/21/13	4/22/13	7/7/13	10/14/13	1/13/14	4/7/14	7/15/14	10/29/14	1/21/15	4/28/15	7/21/15	12/16/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.0026	0.0014	0.0015	ND	0.0015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY															
TMW-108		**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**
NORTHING: 148,581.99 EASTING: 323,650.69	Groundwater Protection	2011								2012					
ND = Non-detectable	Standard	1/12/11	1/12/11	4/11/11	4/11/11	7/17/11	7/17/11	10/23/11	10/23/11	1/23/12	1/23/12	4/23/12	4/23/12	7/13/12	7/13/12
ORGANICS mg/L:															
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:															
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	0.0016	ND	0.0012	0.0011	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004	0.005	0.0026	0.003
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL															
(2) - WY Drinking Water Equivalent Level															
(3) - WY VRP, Fact Sheet 12															
(4) - EPA RBC - Tap Water															
(LAB: Energy Labs Inc. unless noted.)															

KENNECOTT URANIUM COMPANY																	
TMW-108		**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**
NORTHING: 148,581.99 EASTING: 323,650.69	Groundwater Protection			2013								2014					
ND = Non-detectable	Standard	10/15/12	10/15/12	1/21/13	1/21/13	4/15/13	4/15/13	7/7/13	7/7/13	10/15/13	10/15/13	1/14/214	1/14/14	4/1/14	4/1/14	7/8/14	7/8/14
ORGANICS mg/L:																	
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																	
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	0.001	0.001	0.001	ND	ND	ND	ND	0.0012	0.001	ND	ND	ND	0.001	0.0011
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011	0.001	ND	ND	ND	ND
Methylene chloride		0.001	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																	
(2) - WY Drinking Water Equivalent Level																	
(3) - WY VRP, Fact Sheet 12																	
(4) - EPA RBC - Tap Water																	
(LAB: Energy Labs Inc. unless noted.)																	

KENNECOTT URANIUM COMPANY											
TMW-108		**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**	**A**	**B**
NORTHING: 148,581.99 EASTING: 323,650.69	Groundwater Protection			2015							
ND = Non-detectable	Standard	11/3/14	11/3/14	1/20/15	1/20/15	4/21/15	4/21/15	7/20/15	7/20/15	11/16/15	11/16/15
ORGANICS mg/L:											
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:											
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	0.0011	0.0011	0.001	0.0011	ND	ND	0.001	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL											
(2) - WY Drinking Water Equivalent Level											
(3) - WY VRP, Fact Sheet 12											
(4) - EPA RBC - Tap Water											
(LAB: Energy Labs Inc. unless noted.)											

KENNECOTT URANIUM COMPANY																					
TMW-109																					
NORTHING: 148,563.38 EASTING: 323,651.83	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	1/12/11	4/11/11	7/17/11	10/23/11	1/17/12	4/23/12	7/13/12	10/15/12	1/22/13	4/2/13	7/7/13	10/15/13	1/13/14	4/8/14	7/8/14	11/3/14	1/21/15	4/21/15	7/21/15	12/1/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
1,1-Dichloroethane	GPS 3 (2)	ND	0.001	ND	0.0018	0.001	ND	ND	0.0012	ND	0.002	ND	0.001	ND	ND	ND	ND	ND	ND	0.0013	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.005 (1)	ND	ND	ND	ND	ND	0.0044	0.0046	0.0025	0.0016	0.0014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-110																					
NORTHING: 148,088.65 EASTING: 323,625.57	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	1/18/11	4/11/11	7/18/11	10/18/11	1/17/12	4/16/12	7/13/12	10/15/12	1/21/13	4/15/13	7/7/13	10/14/13	1/13/14	4/7/14	7/15/14	10/29/14	1/21/2015	4/28/2015	7/21/2015	12/6/2015
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
1,1-Dichloroethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.0019	0.0015	0.0018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-111																					
NORTHING: 148,800.06 EASTING: 324,200.03	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	1/19/11	6/6/11	8/1/11	10/18/11	1/30/12	4/17/12	8/19/12	12/11/12	1/28/13	4/1/13	7/7/13	10/15/13	1/27/14	4/8/14	8/4/14	11/19/14	2/3/15	6/3/15	8/12/15	12/6/15
ORGANICS:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.004	0.0013	0.0012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-112																					
NORTHING: 148,700.09 EASTING: 324,199.95	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	1/19/11	4/12/11	7/17/11	10/18/11	1/17/12	4/17/12	7/13/12	10/16/12	1/22/13	4/1/13	7/7/13	10/15/13	1/27/14	4/8/14	8/4/14	11/4/14	1/21/15	5/4/15	7/22/15	12/6/15
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.0027	0.0013	0.0015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-113																					
NORTHING: 148,600.06 EASTING: 324,199.95	Groundwater Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	1/26/11	4/12/11	7/17/11	10/18/11	1/17/12	4/17/12	8/19/12	10/15/12	1/28/13	4/1/13	7/7/13	10/15/13	2/3/14	4/8/14	8/4/14	11/4/14	1/21/2015	5/4/2015	7/22/2015	12/6/2015
	(GPS)																				
	as of 5/26/05																				
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	0.0012	ND	ND	0.0012	ND	0.0013	0.003	0.0018	0.0011	0.002	ND	ND	ND	ND	0.0018	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.0018	0.001	0.0024	0.0013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					

KENNECOTT URANIUM COMPANY																					
TMW-115																					
NORTHING: 148,499.96	Groundwater																				
EASTING: 324,199.79	Protection	2011				2012				2013				2014				2015			
ND = Non-detectable	Standard	1/26/11	4/12/11	8/1/11	10/18/11	1/17/12	5/7/12	8/19/12	10/15/12	1/28/13	4/1/13	7/7/13	10/15/13	2/3/14	4/7/14	8/4/14	11/3/14	1/21/2015	5/4/2015	7/22/2015	12/6/2015
FIELD DATA mg/l:	(GPS)																				
Temperature (C)	as of 5/26/05																				
ORGANICS mg/L:																					
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																					
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	ND	ND	ND	ND	0.0038	ND	0.0017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																					
(2) - WY Drinking Water Equivalent Level																					
(3) - WY VRP, Fact Sheet 12																					
(4) - EPA RBC - Tap Water																					
(LAB: Energy Labs Inc. unless noted.)																					