

Table 2. YNPS Ground Water Analyses

Co-60, pCi/ml				Ag-108m, pCi/ml				Sr-90, pCi/ml				Sr-89, pCi/ml				H-3, pCi/ml				VFLAG
Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	VFLAG	
3.40E-03	1.40E-02	N																		
2.20E-03	9.50E-03	N																		
1.30E-03	4.70E-03	N																		
1.00E-03	4.30E-03	N																		
2.10E-03	7.10E-03	N					-4.00E+01	3.50E+02	1.20E+03	N		-4.80E+03	2.10E+03	7.60E+03	N	1.60E+05	1.00E+05	3.40E+05	N	VV
1.10E-03	3.30E-03	N					-5.60E+02	4.10E+02	1.40E+03	N						-1.20E+05	1.10E+05	3.80E+05	N	VV
1.20E-03	5.40E-03	N																		VV
7.80E-04	2.90E-03	N														-7.80E+04	9.80E+04	3.40E+05	N	VV
2.07E-03	8.60E-03	N																		V
																-5.10E+05	3.20E+05	1.20E+06	N	
																3.00E+04	2.10E+05	6.80E+05	N	VV
8.90E-03	3.60E-02	N																		VX
	1.11E-02	N																		VV
																-1.10E+05	1.80E+05	5.90E+05	N	VV
1.10E-03	3.50E-03	Y														1.10E+05	2.00E+05	6.60E+05	N	VV
2.20E-03	7.30E-03	N														1.23E+05	9.50E+04	3.00E+05	N	VV
2.10E-03	8.00E-03	N														-3.60E+04	9.40E+04	3.10E+05	N	VV
1.40E-03	5.50E-03	N														-4.80E+04	9.60E+04	3.20E+05	N	VV
1.40E-03	4.90E-03	N														-4.40E+04	9.00E+04	3.00E+05	N	VV
3.30E-03	1.30E-02	N														6.00E+04	1.00E+05	3.40E+05	N	VV
3.20E-03	1.30E-02	N														-3.00E+04	1.20E+05	3.90E+05	N	VV
1.90E-03	7.80E-03	N														-2.00E+04	1.00E+05	3.40E+05	N	VV
1.50E-03	5.70E-03	N														-5.00E+04	1.00E+05	3.40E+05	N	VV
9.20E-04	6.90E-03	N														1.40E+05	1.00E+05	3.30E+05	N	VV
2.00E-03	7.80E-03	N														-1.48E+05	9.90E+04	3.40E+05	N	VV
1.80E-03	6.60E-03	N														-7.00E+04	1.10E+05	3.60E+05	N	VV
1.30E-03	4.70E-03	N														2.00E+04	1.10E+05	3.60E+05	N	VV
3.20E-03	1.30E-02	N					2.80E+02	3.50E+02	1.20E+03	N		-1.80E+03	1.40E+03	5.20E+03	N	1.80E+05	1.10E+05	3.50E+05	N	VV
1.70E-03	6.30E-03	N					1.04E+03	3.70E+02	1.20E+03	N						1.20E+05	1.20E+05	3.80E+05	N	VV
1.40E-03	5.20E-03	N														8.00E+04	1.00E+05	3.40E+05	N	VV
2.83E-03	1.06E-02	N		-5.79E-03	1.99E-03	8.07E-03	N													VV
1.26E-03	4.21E-03	N														-2.66E+04	9.68E+04	3.31E+05	N	VV
2.53E-03	9.92E-03	N																		V
																-2.60E+05	3.30E+05	1.20E+06	N	
																5.30E+05	2.10E+05	6.70E+05	N	VV
3.90E-03	1.60E-02	N																		VX
	9.34E-03	N			6.24E-03	N														VV
																7.00E+04	1.90E+05	6.20E+05	N	VV
1.10E-03	3.90E-03	N														-1.20E+05	2.10E+05	7.00E+05	N	VV
1.60E-03	6.60E-03	N														6.00E+04	9.70E+04	3.20E+05	N	VV
2.10E-03	7.30E-03	N														1.05E+05	9.50E+04	3.10E+05	N	VV
1.20E-03	4.50E-03	N														2.43E+05	9.30E+04	2.90E+05	N	VV
1.00E-03	3.70E-03	N														-5.20E+04	8.90E+04	3.00E+05	N	VV
3.10E-03	1.00E-02	N														-1.00E+04	1.00E+05	3.40E+05	N	VV
2.00E-03	6.70E-03	N														8.00E+04	1.20E+05	4.00E+05	N	VV
2.70E-03	7.90E-03	N														2.00E+04	1.00E+05	3.40E+05	N	VV

Table 2. YNPS Ground Water Analyses

Lab#	Field#	Date	Location	Lab Name	Sample Type	Comments	Site Coord (N - E)	Site Coord (W - S)	FSS Survey Area	Cs-134, pCi/ml				Cs-137, pCi/ml				Mn-54, pCi/ml				
										Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	
30237	CW-6	7/29/96	YA W. of TB	Yael	C		-131.10	178.35	OG012	-1.20E-03	1.50E-03	6.10E-03	N	-6.00E-04	1.60E-03	6.20E-03	N	2.00E-04	1.40E-03	4.70E-03	N	1.90E-03
31292	CW-6	8/21/96	YA W. of TB	Yael	C		-131.10	178.35	OG012	2.70E-03	2.10E-03	6.80E-03	N	-5.90E-03	3.10E-03	1.40E-02	N	-2.00E-03	1.90E-03	9.00E-03	N	2.50E-03
31839	CW-6	10/1/96	YA W. of TB	Yael	C		-131.10	178.35	OG012	9.00E-04	1.80E-03	6.10E-03	N	2.80E-03	2.20E-03	7.50E-03	N	-0.00E-01	2.20E-03	8.50E-03	N	1.70E-03
34787	CW-6	3/19/97	YA W. of TB	Yael	C	Filtrate of CW-6	-131.10	178.35	OG012	1.00E-04	1.30E-03	5.20E-03	N	-1.00E-04	1.80E-03	7.90E-03	N	-6.00E-04	1.90E-03	8.00E-03	N	-1.10E-03
37367	CW-6	8/20/97	YA W. of TB	Yael	C		-131.10	178.35	OG012	-2.00E-04	2.00E-03	7.50E-03	N	-4.00E-03	2.40E-03	1.10E-02	N	3.40E-03	2.40E-03	7.50E-03	N	-1.70E-03
39624	CW-6	11/12/97	YA W. of TB	Yael	C		-131.10	178.35	OG012	0.00E+00	1.40E-03	4.90E-03	N	5.00E-04	1.60E-03	6.00E-03	N	-2.00E-04	1.50E-03	5.40E-03	N	0.00E+00
41109	CW-6	2/23/98	YA W. of TB	DESEL	C		-131.10	178.35	OG012	-1.64E-03	9.20E-04	3.50E-03	N	-3.00E-04	1.10E-03	4.00E-03	N	-2.45E-03	9.30E-04	3.90E-03	N	-9.00E-05
49098	CW-6	5/25/99	YA W. of TB	DESEL	C	CW-6D, Duplicate of 49115	-131.10	178.35	OG012	-9.00E-04	9.10E-04	3.30E-03	N	-1.80E-03	1.10E-03	4.30E-03	N	-1.74E-03	8.50E-04	3.40E-03	N	-1.20E-03
49115	CW-6	5/25/99	YA W. of TB	DESEL	C	Duplicate of 49115, CW-6D	-131.10	178.35	OG012	-5.00E-04	1.30E-03	4.70E-03	N	-2.70E-03	1.70E-03	7.00E-03	N	-1.60E-03	1.20E-03	4.80E-03	N	-4.00E-04
450102	CW-6	7/19/00	YA W. of TB	YNPS	C		-131.10	178.35	OG012	1.57E-04	1.32E-03	4.80E-03	N	3.34E-03	2.04E-03	6.68E-03	N					-3.55E-03
55394	CW-6	7/19/00	YA W. of TB	DESEL	CQC	Duplicate of 55401	-131.10	178.35	OG012													
55401	CW-6	7/19/00	YA W. of TB	DESEL	CQC	Duplicate of 55394	-131.10	178.35	OG012													
19415	CW-7	10/5/94	YA N of SB	Yael	COA	1997 reanalyzed as 34457	148.39	186.32	OG010	-2.00E-03	1.90E-03	7.40E-03	N	1.00E-03	1.60E-03	4.50E-03	N	2.00E-03	1.90E-03	5.10E-03	N	1.20E-03
34457	CW-7	10/5/94	YA N of SB	Yael	COA	reanalysis of 19415	148.39	186.32	OG010	-5.00E-04	1.70E-03	5.90E-03	N	3.20E-04	8.40E-04	3.00E-03	N	2.90E-03	4.60E-03	1.50E-02	N	1.40E-03
21006	CW-7	1/6/95	YA N of SB	Yael	C		148.39	186.32	OG010	-1.30E-03	2.20E-03	8.10E-03	N	1.60E-03	1.50E-03	4.10E-03	N	7.00E-04	1.70E-03	5.10E-03	N	1.10E-03
22609	CW-7	4/6/95	YA N of SB	Yael	C		148.39	186.32	OG010	-5.20E-03	2.70E-03	1.00E-02	N	-2.60E-03	1.50E-03	5.60E-03	N	1.70E-03	1.50E-03	4.80E-03	N	5.00E-04
23736	CW-7	6/1/95	YA N of SB	Yael	C		148.39	186.32	OG010	-5.70E-03	2.80E-03	1.10E-02	N	-1.40E-03	1.00E-03	4.10E-03	N	8.50E-04	9.30E-04	3.10E-03	N	3.00E-04
25943	CW-7	10/4/95	YA N of SB	Yael	C		148.39	186.32	OG010	1.10E-03	1.90E-03	7.30E-03	N	1.00E-03	1.70E-03	6.30E-03	N	-1.90E-03	2.30E-03	1.00E-02	N	1.00E-03
27502	CW-7	1/11/96	YA N of SB	Yael	C		148.39	186.32	OG010	-3.00E-03	2.10E-03	9.20E-03	N	-2.90E-03	2.20E-03	1.00E-02	N	9.00E-04	1.80E-03	6.60E-03	N	4.30E-03
29041	CW-7	4/3/96	YA N of SB	Yael	C		148.39	186.32	OG010	-1.10E-03	2.30E-03	7.70E-03	N	-3.00E-04	1.40E-03	5.60E-03	N	-2.30E-04	9.60E-04	3.80E-03	N	-9.00E-04
30238	CW-7	7/2/96	YA N of SB	Yael	C		148.39	186.32	OG010	6.00E-04	1.20E-03	4.30E-03	N	8.00E-04	1.20E-03	4.30E-03	N	1.10E-03	1.10E-03	3.40E-03	N	0.00E+00
31293	CW-7	8/21/96	YA N of SB	Yael	C		148.39	186.32	OG010	1.40E-03	2.50E-03	8.80E-03	N	-8.00E-04	1.90E-03	9.10E-03	N	1.50E-03	2.10E-03	7.60E-03	N	-3.10E-03
31840	CW-7	10/1/96	YA N of SB	Yael	C		148.39	186.32	OG010	-1.00E-04	1.70E-03	6.50E-03	N	1.60E-03	2.50E-03	9.10E-03	N	-2.20E-03	1.90E-03	8.30E-03	N	-8.00E-04
34788	CW-7	3/19/97	YA N of SB	Yael	C	Filtrate of CW-7	148.39	186.32	OG010	8.00E-04	1.30E-03	4.50E-03	N	6.00E-04	1.50E-03	5.70E-03	N	2.20E-03	1.50E-03	4.70E-03	N	7.00E-04
37365	CW-7	8/20/97	YA N of SB	Yael	C		148.39	186.32	OG010	-9.00E-04	1.10E-03	4.30E-03	N	-2.00E-04	1.10E-03	4.40E-03	N	-6.00E-04	1.30E-03	4.90E-03	N	0.00E+00
39625	CW-7	11/12/97	YA N of SB	Yael	C		148.39	186.32	OG010	1.70E-03	1.60E-03	5.30E-03	N	-3.80E-03	2.60E-03	1.10E-02	N	7.00E-04	2.10E-03	7.60E-03	N	2.70E-03
41111	CW-7	2/23/98	YA N of SB	DESEL	C		148.39	186.32	OG010	-7.40E-04	8.20E-04	3.10E-03	N	1.90E-03	1.20E-03	3.90E-03	N	-1.64E-02	9.80E-04	4.00E-03	N	7.20E-04
42523	CW-7	5/27/98	YA N of SB	DESEL	C		148.39	186.32	OG010	-1.70E-03	1.20E-03	4.70E-03	N	1.90E-03	1.80E-03	6.10E-03	N	-2.00E-04	1.30E-03	4.80E-03	N	9.00E-04
47800	CW-7	3/2/99	YA N of SB	DESEL	C		148.39	186.32	OG010	-2.49E-04	1.07E-03	3.87E-03	N	1.48E-03	1.42E-03	4.90E-03	N	1.86E-03	1.12E-03	3.38E-03	N	0.00E+00
49099	CW-7	5/25/99	YA N of SB	DESEL	C		148.39	186.32	OG010	-1.09E-03	9.60E-04	3.70E-03	N	-2.10E-03	1.80E-03	7.20E-03	N	-2.10E-03	1.40E-03	5.60E-03	N	1.30E-03
50964	CW-7	9/14/99	YA N of SB	DESEL	C		148.39	186.32	OG010													
55395	CW-7	7/19/00	YA N of SB	DESEL	C		148.39	186.32	OG010													
775707	CW-7	7/19/00	YA N of SB	YNPS	C		148.39	186.32	OG010	1.41E-04	5.92E-03	2.04E-02	N	-1.35E-03	2.05E-03	7.67E-03	N					0.00E+00
62620	CW-7	10/15/01	YA N of SB	YNPS	C		148.39	186.32	OG010													
19413	CW-8	10/5/94	YA in TB	Yael	C	NO sample reanalyzed to achieve a detection sensitivity of 400 pCi/g as requested by E. Cumming on 1/18/95.	-29.33	181.17	TB009	-1.00E-03	2.00E-03	7.40E-03	N	-1.10E-03	1.60E-03	5.30E-03	N	1.60E-03	1.90E-03	5.40E-03	N	6.00E-04
21007	CW-8	1/6/95	YA in TB	Yael	C		-29.33	181.17	TB009	1.00E-03	1.90E-03	6.20E-03	N	-2.40E-03	1.90E-03	6.50E-03	N	-1.00E-03	1.70E-03	5.70E-03	N	6.00E-04
22610	CW-8	4/6/95	YA in TB	Yael	C		-29.33	181.17	TB006	-1.30E-03	1.60E-03	5.90E-03	N	1.60E-03	1.20E-03	4.00E-03	N	-3.00E-04	1.20E-03	4.30E-03	N	3.00E-03
23737	CW-8	6/1/95	YA in TB	Yael	C		-29.33	181.17	TB009	-7.90E-04	9.30E-04	3.50E-03	N	-2.20E-03	1.30E-03	5.00E-03	N	-2.00E-03	1.10E-03	4.10E-03	N	4.00E-04
25944	CW-8	10/4/95	YA in TB	Yael	C		-29.33	181.17	TB009	9.00E-04	2.20E-03	8.30E-03	N	6.20E-03	2.20E-03	5.40E-03	N	2.40E-03	1.90E-03	8.90E-03	N	2.20E-03
27503	CW-8	1/11/96	YA in TB	Yael	C	1997 reanalyzed as 34459	-29.33	181.17	TB009	-2.50E-03	2.10E-03	9.00E-03	N	-3.60E-03	2.50E-03	1.10E-02	N	9.00E-04	1.70E-03	6.40E-03	N	3.90E-04
34459	CW-8	1/11/96	YA in TB	Yael	COA	reanalysis of 27503	-29.33	181.17	TB009	9.00E-04	1.10E-03	3.50E-03	N	1.25E-03	9.40E-04	3.10E-03	N	1.40E-03	2.20E-03	7.30E-03	N	5.00E-04
29042	CW-8	4/3/96	YA in TB	Yael	C		-29.33	181.17	TB009	-8.00E-04	2.00E-03	7.70E-03	N	0.00E+00	1.80E-03	7.00E-03	N	-6.00E-04	1.90E-03	7.90E-03	N	1.80E-03
30239	CW-8	7/2/96	YA in TB	Yael	C		-29.33	181.17	TB009	-1.70E-03	1.30E-03	5.00E-03	N	-1.00E-03	1.20E-03	4.80E-03	N	-4.00E-04	1.10E-03	3.90E-03	N	2.10E-03
31294	CW-8	8/22/96	YA in TB	Yael	C		-29.33	181.17	TB009	4.10E-03	2.40E-03	6.90E-03	N	4.00E-04	2.60E-03	1.10E-02	N	-3.30E-03	2.20E-03	1.20E-02	N	2.70E-03
31841	CW-8	10/1/96	YA in TB	Yael	C		-29.33	181.17	TB009	-3.00E-04	1.70E-03	6.20E-03	N	-2.00E-04	1.80E-03	7.20E-03	N	5.00E-04	1.40E-03	5.10E-03	N	2.70E-03
34789	CW-8	3/19/97	YA in TB	Yael	C	Filtrate of CW-8	-29.33	181.17	TB009	1.30E-03	1.70E-03	5.80E-03	N	9.00E-04	2.00E-03	7.50E-03	N	-2.40E-03	1.10E-03	6.00E-03	N	4.00E-04
37370	CW-8	8/20/97	YA in TB	Yael	C		-29.33	181.17	TB009	-2.30E-03	1.10E-03	4.00E-03	N	-2.20E-03	1.30E-03	5.10E-03	N	-1.10E-03	1.10E-03	3.90E-03	N	1.00E-03
39626	CW-8	11/12/97	YA in TB	Yael	C		-29.33	181.17	TB009	-1.00E-03	1.30E-03	5.70E-03	N	-1.00E-03	2.00E-03	8.40E-03	N	2.00E-03	1.80E-03	6.00E-03	N	8.00E-04
41112	CW-8	2/23/98	YA in TB	DESEL	C		-29.33	181.17	TB009	2.30E-03	1.20E-03	3.60E-03	N	-1.60E-03	1.40E-03	5.70E-03	N	2.00E-04	1.20E-03	4.20E-03	N	-1.10E-03
42524	CW-8	5/27/98	YA in TB	DESEL	C		-29.33	181.17	TB009	-9.00E-04	1.30E-03											

Table 2. YNPS Ground Water Analyses

Co-60, pCi/ml				Ag-108m, pCi/ml				Sr-90, pCi/ml				Sr-89, pCi/ml				H-3, pCi/ml				VFLAG
Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	
1.50E-03	4.80E-03	N														1.10E+05	1.10E+05	3.40E+05	N	VV
2.00E-03	6.50E-03	N														1.30E+05	1.00E+05	3.20E+05	N	VV
1.70E-03	6.10E-03	N														5.00E+04	1.00E+05	3.30E+05	N	VV
2.50E-03	1.10E-02	N														8.00E+04	1.10E+05	3.50E+05	N	VV
2.10E-03	1.10E-02	N														1.10E+05	1.00E+05	3.40E+05	N	VV
1.40E-03	6.00E-03	N					1.40E+02	3.70E+02	1.20E+03	N	-3.70E+03	1.60E+03	5.80E+03	N		2.00E+05	1.00E+05	3.40E+05	N	VV
9.70E-04	3.60E-03	N					-1.40E+02	3.60E+02	1.20E+03	N						-5.00E+04	1.10E+05	3.80E+05	N	VV
1.00E-03	3.90E-03	N														1.00E+05	1.00E+05	3.40E+05	N	VV
1.60E-03	6.50E-03	N														-5.20E+04	9.70E+04	3.40E+05	N	VV
1.54E-03	7.73E-03	N																		V
																-3.80E+05	3.30E+05	1.20E+06	N	
																5.10E+05	3.40E+05	1.10E+06	N	
1.70E-03	4.70E-03	N														7.80E+05	2.30E+05	6.20E+05	Y	VV
1.30E-03	4.50E-03	N														4.70E+05		3.40E+05	Y	VV
2.30E-03	7.00E-03	N														4.10E+05	1.00E+05	3.00E+05	Y	VV
1.60E-03	5.80E-03	N														6.00E+04	9.80E+04	3.20E+05	N	VV
1.30E-03	4.70E-03	N														1.78E+05	9.20E+04	2.90E+05	N	VV
1.40E-03	5.80E-03	N														2.30E+05	1.10E+05	3.40E+05	N	VV
2.60E-03	8.50E-03	N														2.20E+05	1.20E+05	3.90E+05	N	VV
1.20E-03	5.30E-03	N														4.00E+05	1.10E+05	3.40E+05	Y	VV
1.30E-03	4.40E-03	N														1.90E+05	1.10E+05	3.40E+05	N	VV
1.80E-03	1.10E-02	N														6.50E+05	1.10E+05	3.30E+05	Y	VV
1.90E-03	8.30E-03	N														4.70E+05	1.10E+05	3.40E+05	Y	VV
1.50E-03	5.60E-03	N														2.10E+05	1.10E+05	3.50E+05	N	VV
1.40E-03	5.60E-03	N														2.70E+05	1.10E+05	3.40E+05	N	VV
1.70E-03	5.10E-03	N					5.00E+01	3.70E+02	1.20E+03	N	-3.00E+03	1.60E+03	5.80E+03	N		6.00E+05	1.10E+05	3.40E+05	Y	VV
9.30E-04	3.30E-03	N					8.30E+02	3.70E+02	1.20E+03	N						2.70E+05	1.20E+05	3.80E+05	N	VV
1.30E-03	4.70E-03	N														1.10E+05	1.10E+05	3.50E+05	N	VV
1.73E-03	6.69E-03	N														3.39E+05	1.22E+05	3.90E+05	N	V
1.50E-03	5.40E-03	N														2.30E+05	1.00E+05	3.40E+05	N	VV
																2.86E+05	1.03E+05	3.32E+05	N	V
																6.00E+04	3.20E+05	1.10E+06	N	
2.37E-03	8.74E-03	N																		V
																3.70E+04	1.50E+05	3.90E+04	N	V
1.50E-03	4.50E-03	N														1.20E+05	1.00E+05	3.20E+05	N	VV
1.70E-03	5.20E-03	N														1.29E+05	9.60E+04	3.10E+05	N	VV
1.50E-03	4.90E-03	N														-1.05E+05	9.40E+04	3.20E+05	N	VV
1.20E-03	4.40E-03	N														1.90E+04	9.00E+04	3.00E+05	N	VV
3.10E-03	1.20E-02	N														6.00E+04	1.00E+05	3.30E+05	N	VV
9.60E-04	4.80E-03	N														6.30E+05	1.30E+05	4.00E+05	Y	VV
1.20E-03	4.30E-03	N																		VV
1.90E-03	7.10E-03	N														4.90E+05	1.10E+05	3.40E+05	Y	VV
1.50E-03	4.60E-03	N														2.40E+05	1.10E+05	3.50E+05	N	VV
2.20E-03	6.90E-03	N														3.80E+05	1.10E+05	3.20E+05	Y	VV
1.80E-03	5.80E-03	N														4.45E+05	9.30E+04	2.80E+05	Y	VV
2.00E-03	7.80E-03	N														7.00E+04	1.10E+04	3.50E+05	N	VV
1.10E-03	3.80E-03	N														6.70E+05	1.10E+05	3.40E+05	Y	VV
2.00E-03	8.20E-03	N					2.60E+02	4.10E+02	1.30E+03	N	-3.20E+03	2.70E+03	1.00E+04	N		6.80E+05	1.10E+05	3.30E+05	Y	VV
1.30E-03	5.90E-03	N					4.20E+02	3.70E+02	1.20E+03	N						3.40E+05	1.20E+05	3.80E+05	N	VV
2.50E-03	8.20E-03	N														2.60E+05	1.10E+05	3.60E+05	N	VV

Page 23 of 26



Table 2. YNPS Ground Water Analyses

Co-60, pCi/ml				Ag-108m, pCi/ml				Sr-90, pCi/ml				Sr-89, pCi/ml				H-3, pCi/ml				VFLAG
Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?		
															3.13E+05	1.21E+05	3.89E+05	N	V	
1.80E-03	7.20E-03	N													3.10E+05	1.10E+05	3.40E+05	N	VW	
															3.21E+05	1.04E+05	3.33E+05	Y	V	
2.36E-03	9.72E-03	N																	VW	
															3.60E+05	9.59E+04	3.11E+05	Y	V	
															3.00E+04	3.40E+05	1.20E+06	N		
1.00E-03	3.90E-03	N													1.00E+04	1.00E+05	3.40E+05	N	VW	
9.90E-04	3.70E-03	N																	VW	
8.20E-04	2.90E-03	N													1.80E+05	1.10E+05	3.70E+05	N	VW	
															5.06E+06	3.30E+05	5.90E+05	Y	VW	
2.40E-03	3.60E-03	Y													2.80E+05	2.00E+05	6.50E+05	N	VW	
2.40E-03	1.00E-02	N													-5.20E+04	9.20E+04	3.10E+05	N	VW	
1.30E-03	5.30E-03	N													-1.80E+05	9.30E+04	3.20E+05	N	VW	
1.30E-03	5.60E-03	N													-7.00E+04	1.00E+05	3.40E+05	N	VW	
1.70E-03	6.50E-03	N													6.00E+04	1.10E+05	3.40E+05	N	VW	
2.00E-03	6.30E-03	N													-5.00E+04	1.10E+05	3.60E+05	N	VW	
2.50E-03	8.00E-03	N													4.20E+05	1.10E+05	3.50E+05	Y	VW	
1.20E-03	4.70E-03	N													6.30E+05	1.10E+05	3.40E+05	Y	VW	
1.20E-03	4.40E-03	N													2.23E+05	9.90E+04	3.20E+05	N	VW	
1.80E-03	5.70E-03	Y													1.90E+06	1.50E+05	3.90E+05	Y	VX	
1.00E-03	2.30E-03	Y																	VX	
1.70E-03	6.30E-03	N													7.00E+05	1.10E+05	3.40E+05	Y	VW	
1.98E-03	7.04E-03	N	1.04E-03	1.49E-03	5.32E-03	N													VW	
															9.60E+05	1.10E+05	3.10E+05	Y	VW	
2.18E-03	9.73E-03	N																	VW	
															1.29E+06	1.02E+05	3.14E+05	Y	V	
1.97E-03	6.69E-03	N																	V	
															3.80E+05	3.50E+05	1.20E+06	N		
1.30E-03	4.80E-03	N													3.42E+06	3.40E+05	7.70E+05	Y	VW	
1.70E-03	5.70E-03	N													8.70E+06	2.20E+05	3.40E+05	Y	VW	
1.00E-03	4.20E-03	N													1.35E+07	5.70E+05	7.90E+05	Y	VW	
1.50E-03	5.80E-03	N																	VW	
2.55E-03	1.08E-03	N	2.83E-04	1.51E-03	5.46E-03	N													VW	
																			VW	
															1.15E+07	2.40E+05	3.10E+05	Y	VW	
2.42E-03	8.74E-03	N	-1.29E-04	1.44E-03	5.38E-03	N									1.00E+07	1.44E+05	3.13E+05	Y	V	
1.99E-03	7.15E-03	N																	V	
															3.62E+06	4.30E+05	1.20E+06	Y		
1.70E-03	6.60E-03	N													8.00E+04	1.10E+05	3.50E+05	N	VW	
1.50E-03	6.00E-03	N													4.20E+05	1.10E+05	3.40E+05	Y	VW	
1.10E-03	4.00E-03	N																	VW	
1.10E-03	3.90E-03	N													1.69E+06	2.90E+05	7.90E+05	Y	VW	
1.10E-03	3.60E-03	N																	VW	
2.30E-03	8.71E-03	N	2.35E-04	1.08E-03	3.80E-03	N									1.22E+06	1.20E+05	3.10E+05	Y	VW	
																			VW	
2.16E-03	8.61E-03	N	1.36E-03	1.56E-03	5.50E-03	N									1.18E+06	1.01E+05	3.12E+05	Y	V	
																			V	

Table 2. YNPS Ground Water Analyses

Lab#	Field#	Date	NSR	Location	Lab Name	Sample Type	Comments	Site Coord (x - ft)	Site Coord (y - ft)	FSS Survey Area	Cs-134, pCi/ml				Cs-137, pCi/ml				Mn-54, pCi/ml			
											Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?	Conc.	Error	MDC	detectable?
448101	MW-3	7/24/00		RYA N. of PAB	YNPS	C		59.89	-54.49	YG007	2.19E-03	1.37E-03	4.48E-03	N	2.39E-03	1.82E-03	7.30E-03	N				3.96E-03
55384	MW-3	7/24/00		RYA N. of PAB	DESEL	C		59.89	-54.49	YG007												
377001	MW-5	12/27/99		RYA N. of PAB	YNPS	C	Bent casing made sampling difficult, results from adjacent well, MW2, appeared more conservative, grouted 700	51.00	-40.00	YG007	7.80E-03	4.14E-03	1.47E-03	N	-1.59E-03	1.97E-03	7.64E-03	N	-2.97E-04	1.65E-03	6.09E-03	N
52576	MW-5	12/27/99		RYA N. of PAB	DESEL	C		51.00	-40.00	YG007												
449001	MW-5	7/20/00		RYA N. of PAB	YNPS	C		51.00	-40.00	YG007	-1.60E-03	1.88E-03	7.26E-03	N	7.99E-04	1.49E-03	5.48E-03	N				-2.03E-03
55387	MW-5	7/20/00		RYA N. of PAB	DESEL	C		51.00	-40.00	YG007												
519101	MW-5	4/18/01		RYA N. of PAB	YNPS	C		51.00	-40.00	YG007	1.77E-03	1.49E-03	5.02E-03	N	-6.79E-03	2.19E-03	9.26E-03	N	-4.53E-06	1.72E-03	6.22E-03	N
52577	MW-6	12/27/99		RYA N. of CW-9	DESEL	CQC	MW-6 Duplicate of MW-6A, 52579	-96.01	10.00	YG007												4.03E-04
52579	MW-6	12/27/99		RYA N. of CW-9	DESEL	C	MW-6A Duplicate of MW-6, 52577	-96.01	10.00	YG002												
727607	MW-6	12/27/99		RYA N. of CW-9	YNPS	C		-96.01	10.00	YG002	-5.24E-03	7.78E-03	2.69E-03	N	-4.67E-03	2.13E-03	8.51E-03	N	-1.04E-03	2.07E-03	7.88E-03	N
450002	MW-6	7/19/00		RYA N. of CW-9	YNPS	C		-96.01	10.00	YG002	3.88E-04	1.26E-03	4.55E-03	N	3.69E-04	1.68E-03	6.19E-03	N				1.77E-03
55385	MW-6	7/19/00		RYA N. of PAB	DESEL	C		-96.01	10.00	YG002												
16592	NEP Spring	5/18/94		N of SLFI	YNPS	C	Surface water sample	-480.00	740.00	OG018												
39627	NSR-1	11/20/97		NSR	YAEI	C		1050.51	400.09	Outside FSS area	3.00E-04	1.50E-03	5.10E-03	N	-2.30E-03	1.80E-03	7.50E-03	N	-1.80E-03	1.30E-03	5.40E-03	N
41104	NSR-1	2/23/98		NSR	DESEL	C	Offsite location: non-radiological investigation completed, grouted 7/7/00	1050.51	400.09	Outside FSS area	1.20E-03	1.50E-03	4.90E-03	N	-7.00E-04	1.50E-03	6.10E-03	N	-1.40E-03	1.70E-03	6.80E-03	N
39628	OSR-1	11/20/97		OSR	YAEI	C		284.05	-576.00	OG007	-1.30E-03	3.50E-03	1.30E-02	N	1.70E-03	1.30E-03	4.50E-03	N	-1.30E-03	1.20E-03	4.50E-03	N
41105	OSR-1	2/23/98		OSR	DESEL	C		284.05	-576.00	OG007	3.00E-04	1.20E-03	4.20E-03	N	4.00E-04	2.10E-03	7.80E-03	N	-1.10E-03	1.60E-03	6.30E-03	N
42526	OSR-1	6/26/98		OSR	DESEL	C		283.98	-577.94	OG007	-1.36E-03	8.80E-04	3.80E-03	N	-1.80E-03	1.60E-03	6.50E-03	N	2.30E-03	1.30E-03	3.70E-03	N
8/27/98	OSR				DESEL	C		283.98	-577.94	OG007	1.00E-04	1.30E-03	4.60E-03	N	5.00E-04	1.30E-03	5.00E-03	N	2.10E-03	1.30E-03	4.00E-03	N
10/27/98	OSR				DESEL	C		283.98	-577.94	OG007	4.10E-04	9.10E-04	3.10E-03	N	2.10E-03	1.10E-03	3.50E-03	N	5.50E-04	9.30E-04	3.10E-03	N
3/2/99	OSR				DESEL	C		283.98	-577.94	OG007	1.10E-03	1.20E-03	3.70E-03	N	1.60E-03	1.60E-03	5.60E-03	N	0.00E+00	1.10E-03	4.00E-03	N
5/24/99	OSR				DESEL	C		283.98	-577.94	OG007	-4.00E-04	1.20E-03	4.30E-03	N	-5.00E-04	1.50E-03	5.70E-03	N	-2.10E-03	1.10E-03	4.70E-03	N
9/8/99	OSR				YNPS	C		283.98	-577.94	OG007	1.99E-04	1.24E-03	4.58E-03	N	-9.52E-04	1.51E-03	6.03E-03	N	1.04E-03	1.18E-03	4.09E-03	N
9/8/99	OSR				YNPS	C		283.98	-577.94	OG007												
7/18/00	OSR				YNPS	C		284.05	-576.00	OG007	-8.60E-03	6.34E-03	2.25E-02	N	1.06E-03	2.99E-03	1.14E-02	N	4.32E-04	1.69E-03	6.01E-03	N
7/18/00	OSR				DESEL	C		284.05	-576.00	OG007												
6/19/97	PAB				YNPS	I	lab filtered sample of standing water in building	PA012	8.78E-01	3.09E-01	2.00E+00	N	1.08E+01	8.94E-01	1.49E+00	Y					1.19E+01	
4/24/96	XP				YAEI	I	Solid Filtrate of Groundwater, weight 3.6 kg H-3 Results represent analysis of sample SF-10 after filtering sample through 0.45 micron Gelman filter, for Exchange Filtrate of Groundwater, weight 3.725 kg Results represent analysis of sample SF-10 filtered solids, REF. LSN 29036	75.03	-45.70	YS010	-1.00E-04	2.80E-03	8.80E-03	N	2.94E-02	3.30E-03	6.80E-03	Y	1.30E-03	1.20E-03	4.10E-03	N
4/24/96	XP				YAEI	I		75.03	-45.70	YS010	-5.70E-03	7.60E-03	2.70E-02	N	1.08E+00	2.10E-02	4.00E-02	Y	7.70E-03	9.50E-03	3.10E-02	N
4/24/96	XP				YNPS	I	Unfiltered	75.03	-45.70	YS010			5.44E-02	N	1.36E+00	5.66E-02		Y		6.99E-02	N	4.94E+00
5/18/94	SLFIOD				YNPS	C	Surface water sample	-540.12	740.19	OG018												
6/1/95	SLFIOD				YAEI	C	Old septic leach field overflow trench/spring, NEP seepage	-540.12	740.19	OG018	5.00E-04	1.30E-03	4.60E-03	N	-3.00E-04	1.20E-03	4.80E-03	N	-7.00E-04	1.00E-03	3.90E-03	N
5/18/94	Wheeler Brook, near mouth				YNPS	C	Surface water sample	659.94	49.99	OG003												
9/28/98	Wheeler Brook				DESEL	C	Surface water sample	650.00	-750.00	OG008	2.00E-04	1.20E-03	4.30E-03	N	3.00E-04	1.70E-03	6.20E-03	N	1.10E-03	1.20E-03	4.20E-03	N
9/28/98	Wheeler Brook				DESEL	C	Surface water sample	250.00	-700.00	OG004	-8.00E-05	8.90E-04	3.20E-03	N	2.00E-03	1.20E-03	4.00E-03	N	-1.50E-04	9.60E-04	3.50E-03	N
9/28/98	Wheeler Brook				DESEL	C	Surface water sample	650.00	-550.00	OG003	1.00E-04	1.00E-03	3.60E-03	N	-2.00E-04	1.20E-03	4.40E-03	N	1.00E-03	9.10E-04	3.00E-03	N
9/28/98	Wheeler Brook				DESEL	C	Surface water sample	725.00	-250.00	OG003	-2.00E-04	1.10E-03	3.90E-03	N	6.00E-04	1.30E-03	4.80E-03	N	5.00E-04	1.30E-03	4.60E-03	N
9/28/98	Wheeler Brook				DESEL	C	Surface water sample	700.00	0.00	OG003	1.04E-03	9.40E-03	3.00E-03	N	-1.70E-03	1.20E-03	4.90E-03	N	-1.10E-03	7.80E-04	3.30E-03	N
9/28/98	Wheeler Brook				DESEL	C	Surface water sample	650.00	-550.00	OG003	-1.10E-03	1.30E-03	5.40E-03	N	-1.20E-03	1.80E-03	7.80E-03	N	-3.60E-03	1.90E-03	8.50E-03	N

Table 2. YNPS Ground Water Analyses

Co-60, pCi/ml				Ag-108m, pCi/ml				Sr-90, pCi/ml				Sr-89, pCi/ml				H-3, pCi/ml				VFLAG
Conc.	MDC	detectable?	Error	Conc.	MDC	detectable?	Error	Conc.	MDC	detectable?	Error	Conc.	MDC	detectable?	Error	Conc.	MDC	detectable?	Error	
1.62E-03	5.41E-03	N																		V
																6.00E+04	3.40E+05	1.20E+06	N	VV
2.42E-03	9.01E-03	N		1.00E-03	1.25E-03	4.20E-03	N									5.61E+06	1.24E+05	3.11E+05	Y	V
2.33E-03	9.34E-03	N																		V
																4.93E+06	4.60E+05	1.20E+06	Y	V
2.77E-03	1.01E-02	N																		
																1.14E+05	9.42E+04	3.11E+05	N	V
																6.91E+04	9.22E+04	3.05E+05	N	V
2.59E-03	9.38E-03	N		-9.43E-04	1.87E-03	6.94E-03	N													VV
2.17E-03	7.73E-03	N																		V
																3.00E+04	3.40E+05	1.20E+06	N	
																-2.00E+04	1.90E+05	6.20E+05	N	VV
1.60E-03	6.00E-03	N						3.70E+02	3.90E+02	1.30E+03	N	1.70E+03	1.40E+03	1.00E+04	N	2.00E+05	1.10E+05	3.50E+05	N	VV
2.60E-03	9.30E-03	N						-5.00E+01	3.60E+02	1.20E+03	N					-2.30E+05	1.10E+05	3.90E+05	N	VV
1.50E-03	4.70E-03	N						-1.00E+01	3.60E+02	1.20E+03	N	-5.80E+03	2.00E+03	7.40E+03	N	2.90E+05	1.10E+05	3.40E+05	N	VV
2.00E-03	7.40E-03	N						-5.80E+02	3.60E+02	1.20E+03	N					-1.20E+05	1.10E+05	3.80E+05	N	VV
1.20E-03	4.30E-03	N														2.00E+05	1.10E+05	3.50E+05	N	VV
1.20E-03	4.50E-03	N														8.00E+04	1.00E+05	3.40E+05	N	VV
1.00E-03	3.30E-03	N																		VV
1.20E-03	4.00E-03	N														3.00E+04	1.10E+05	3.90E+05	N	VV
1.60E-03	6.50E-03	N														5.00E+04	1.10E+05	3.40E+05	N	VV
2.33E-03	9.53E-03	N		-1.07E-03	1.08E-03	4.09E-03	N													VV
																5.40E+04	9.90E+04	3.30E+05	N	VV
2.55E-03	9.27E-03	N																		V
																6.00E+04	3.40E+05	1.20E+06	N	
7.99E-01	1.60E+00	Y																		
1.60E-03	6.10E-03	Y		7.40E-03	1.30E-03	4.80E-03	Y									7.97E+06	2.00E+05	3.40E+05	Y	VX
3.10E-02	2.20E-02	Y		1.44E+00	1.20E-02	3.60E-02	Y													VX
8.26E-02		Y		1.93E+00	2.11E+05		Y													VV
																1.60E+05	1.90E+05	6.20E+05	N	VV
1.40E-03	4.60E-03	N														-1.60E+04	8.60E+04	2.80E+05	N	VV
																-3.00E+04	1.80E+05	6.10E+05	N	VV
1.70E-03	6.20E-03	N																		VV
1.10E-03	4.70E-03	N																		VV
1.00E-03	4.20E-03	N																		VV
1.50E-03	6.20E-03	N																		VV
9.30E-04	4.10E-03	N																		VV
2.20E-03	7.90E-03	N																		VV

Table 3. YNPS 1993 Gross Alpha and Gross Beta Results

		Gross Beta Filtered					Gross Beta Unfiltered						
Date	Well	LSN	Concentration pCi/L	Error	MDC	Detected?	Date	Well	LSN	Concentration pCi/L	Error	MDC	Detected?
6/28/1993	B-1	11726	4.70	0.80	2.30	Y	6/28/1993	B-1	11115	16.0	1.3	3.5	Y
6/28/1993	B-3	11725	6.80	0.80	2.20	Y	6/28/1993	B-3	11114	11.9	2.0	5.9	Y
6/18/1993	CB-1	11717	17.60	1.00	2.50	Y	6/18/1993	CB-1	11101	17.2	2.1	6.0	Y
6/18/1993	CB-2	11718	13.90	0.99	2.50	Y	6/18/1993	CB-2	11102	16.9	2.1	6.0	Y
6/28/1993	CB-3	11466	5.20	0.48	1.30	Y	6/28/1993	CB-3	11112	74.0	3.7	8.4	Y
6/28/1993	CB-4	11724	4.90	1.30	3.90	Y	6/28/1993	CB-4	11113	12.1	1.4	3.9	Y
6/28/1993	CW-1	11722	12.30	0.95	2.50	Y	6/28/1993	CW-1	11109	11.4	1.4	4.1	Y
6/28/1993	CW-2	11723	6.20	1.80	5.60	Y	6/28/1993	CW-2	11110	43.6	3.2	8.1	Y
6/18/1993	CW-3	11719	26.80	2.50	6.50	Y	6/18/1993	CW-3	11103	25.4	4.3	13.0	Y
6/28/1993	CW-4	11465	1.70	4.30	13.00	Y	6/28/1993	CW-4	11111	79.0	11	31	Y
6/18/1993	CW-5	11720	25.30	2.30	5.90	Y	6/18/1993	CW-5	11104	35.1	3.0	8.1	Y
6/18/1993	CW-6	11721	13.30	0.95	2.40	Y	6/18/1993	CW-6	11105	15.4	1.3	3.5	Y
		Gross Alpha Filtered											
Date	Well	LSN	Concentration pCi/L	Error	MDC	Detected?							
6/28/1993	B-1	11726	1.27	0.46	1.20	N							
6/28/1993	B-3	11725	-0.17	0.92	3.60	N							
6/18/1993	CB-1	11717	4.30	1.60	4.10	N							
6/18/1993	CB-2	11718	2.40	1.50	4.10	N							
6/28/1993	CB-3	11466	-0.70	0.37	1.50	N							
6/28/1993	CB-4	11724	0.77	0.88	2.70	N							
6/28/1993	CW-1	11722	0.89	0.46	1.30	N							
6/28/1993	CW-2	11723	1.32	0.97	2.90	N							
6/18/1993	CW-3	11719	-1.50	3.20	1.10	N							
6/28/1993	CW-4	11465	-0.30	2.10	7.10	N							
6/18/1993	CW-5	11720	-0.30	3.00	1.00	N							
6/18/1993	CW-6	11721	3.00	1.40	3.90	N							