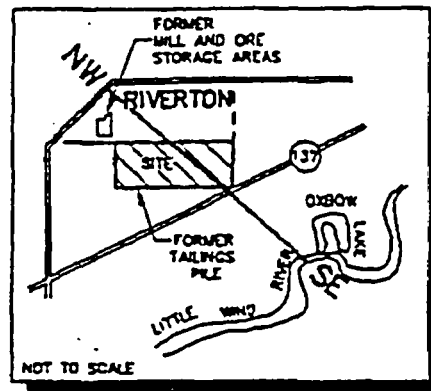


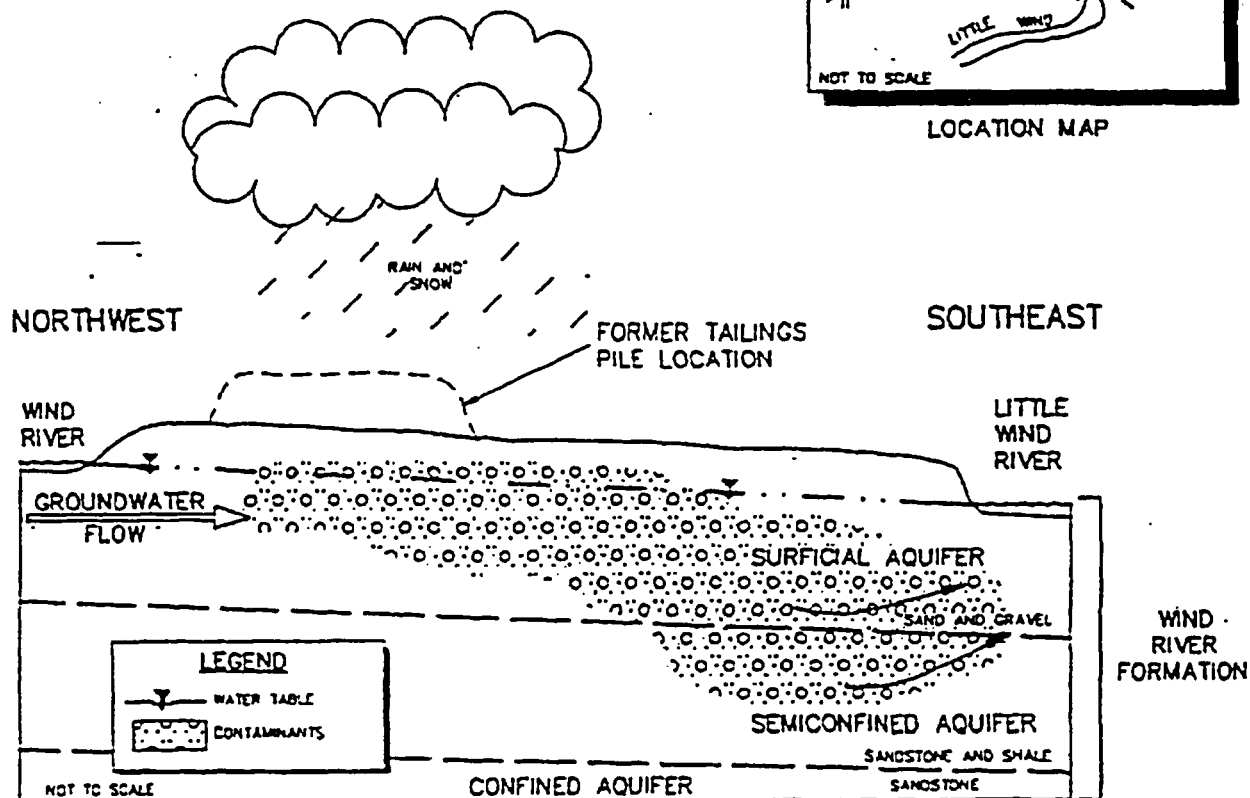
FIGURES

ON THE SURFACE

- APPROXIMATELY 1.5 MILLION CUBIC YARDS OF CONTAMINATED MATERIALS WERE TAKEN TO A DISPOSAL SITE IN GAS MILLS, 55 MILES EAST-SOUTHEAST OF RIVERTON. SURFACE REMEDIAL ACTION WAS COMPLETED IN 1988.
- THE PRIMARY SOURCE OF DOMESTIC WATER IN THE RIVERTON AREA IS THE DEEP, CONFINED PORTION OF THE WIND RIVER FORMATION THAT IS NOT CONTAMINATED.



LOCATION MAP



RIVERTON SITE CROSS SECTION

BELOW THE SURFACE

- GROUND WATER OCCURS IN THE SHALLOW SAND AND GRAVEL AND THE DEEPER ROCK OF THE WIND RIVER FORMATION UNDER THE SITE
- THE SURFICIAL AQUIFER IS CONTAMINATED. THE UNDERLYING SANDSTONE AND SHALE SEMICONFINED AQUIFER IS CONTAMINATED TO A LIMITED EXTENT. THE DEEP CONFINED SANDSTONE AQUIFER IS NOT CONTAMINATED
- GROUND WATER FROM THE SURFICIAL AND SEMICONFINED AQUIFER DISCHARGES TO THE LITTLE WIND RIVER


		U.S. DEPARTMENT OF ENERGY GRAND JUNCTION OFFICE GRAND JUNCTION, COLORADO	
DIAGRAM OF THE CONCEPTUAL SITE MODEL RIVERTON, WYOMING, SITE			
DATE PREPARED: JULY 21, 1997		FILENAME: U0014200	

Figure 1. (Figure 4-2 of the SOWP) Diagram of the Site Conceptual Model.

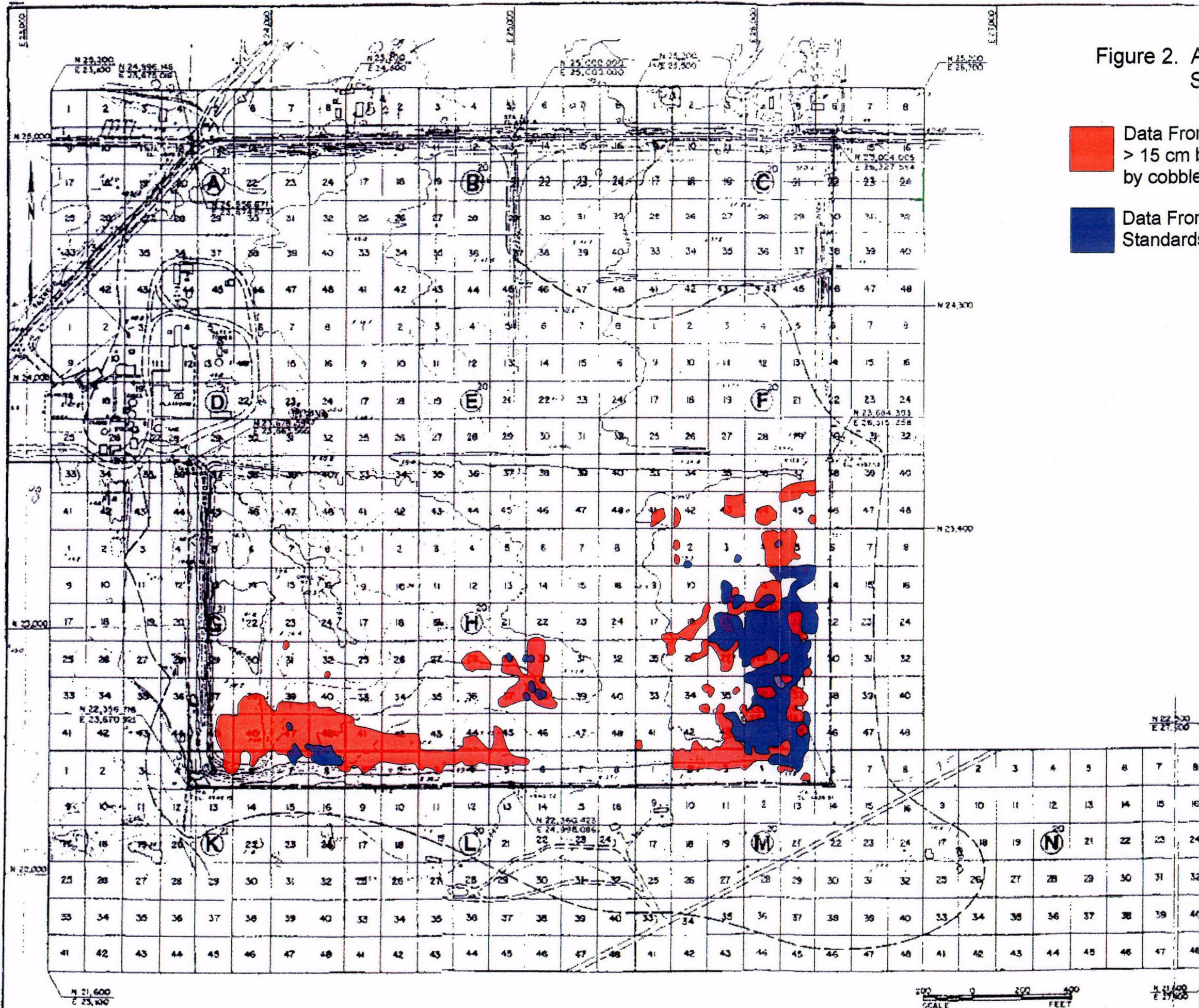


Figure 2. Areas Where Supplemental Standards Were Applied.

- Data From Table J.4: Sites with elevated Th-230 > 15 cm below ground surface. Corrections made by cobbles to fines ratio.
- Data From Table J.5: "Application of Supplemental Standards".

REFERENCE DRAWINGS:

SVT-SV-0001 THRU 0013, SOIL VERIFICATION GRID SYSTEM

LEGEND:

- APPROXIMATE LIMIT OF CONTAMINATED MATERIAL EXCAVATION
- ROAD AND HIGHWAY
- TANK
- BUILDING
- SITE BOUNDARY

SITE BOUNDARY ADDED 11-6-87	
U.S. DEPARTMENT OF ENERGY ALBUQUERQUE, NEW MEXICO	
RIVERTON SITE RIVERTON, WYOMING	
SOIL VERIFICATION PLAN GRID SYSTEM	
MONITOR-KROGER ENGINEERS, INC. INTRA PROJECT	REVISION: _____ CHECKED: _____ DATE: _____ PROJECT NO: DE-AC04-85AL18799



Figure 4-3. Geologic Cross-Section

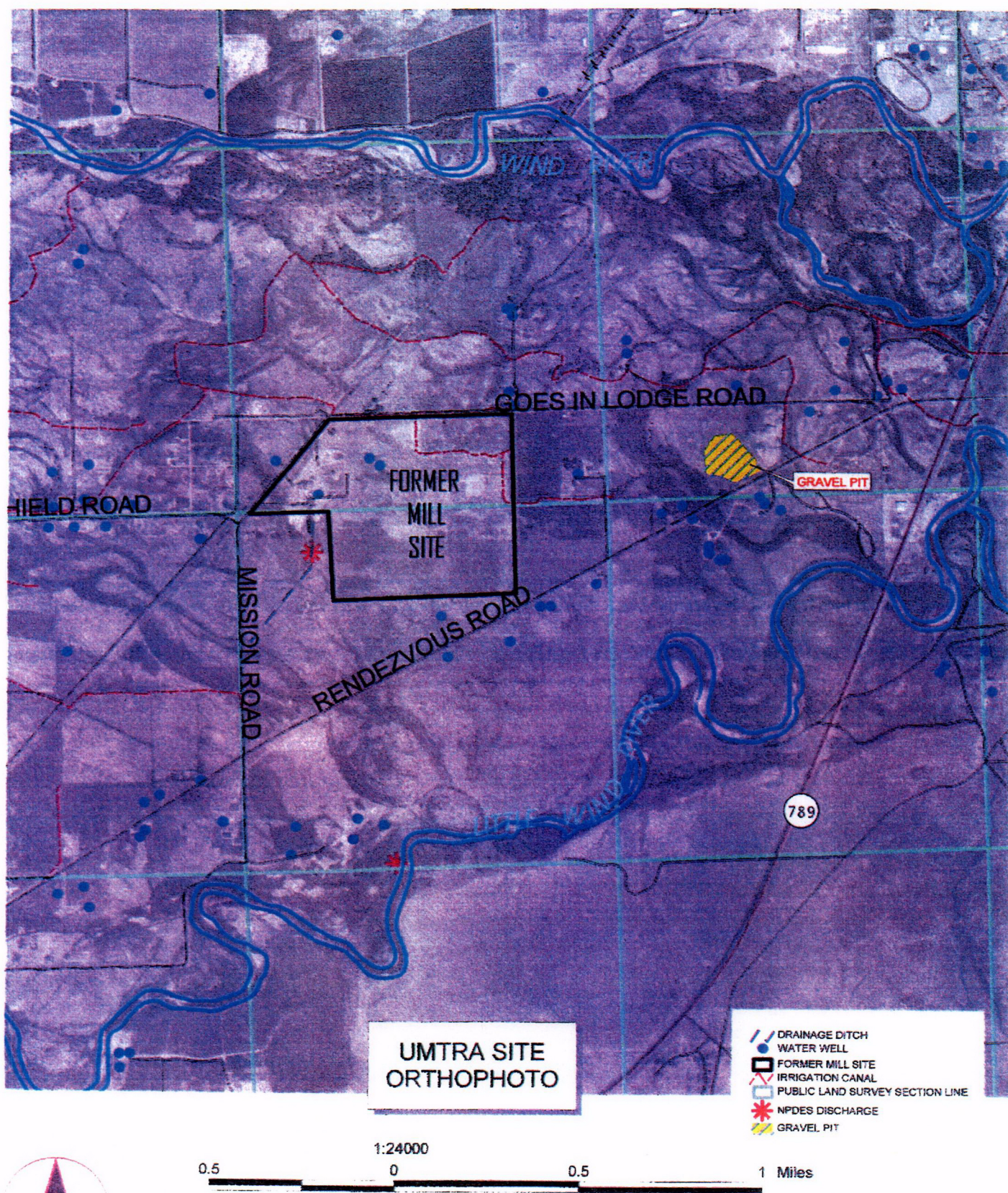


Figure 4. Aerial Photograph Showing Abundance and Scale of Paleochannels.



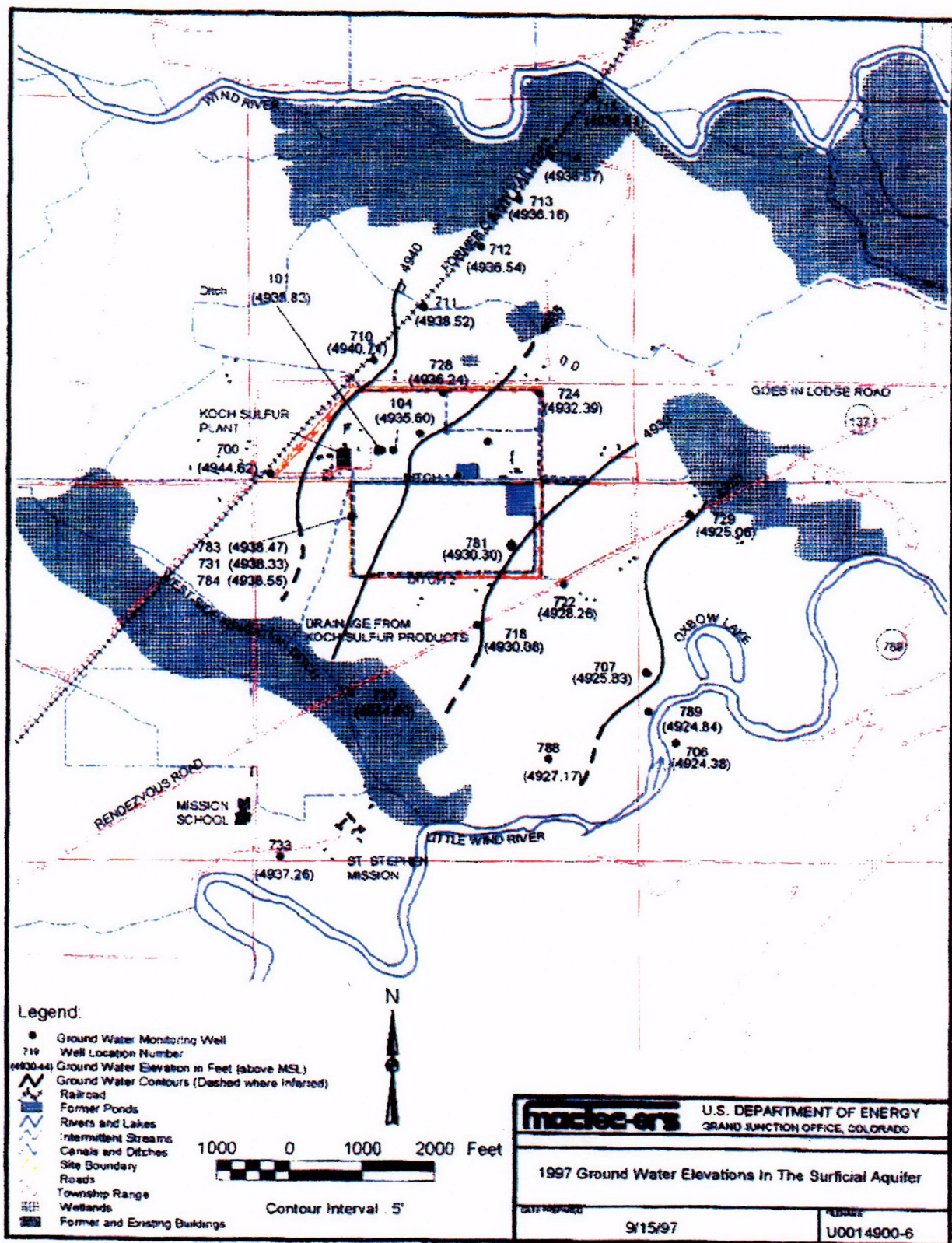


Figure 5. (Figure 4-5 of the SOWP) Groundwater Elevations in the Surficial Aquifer.

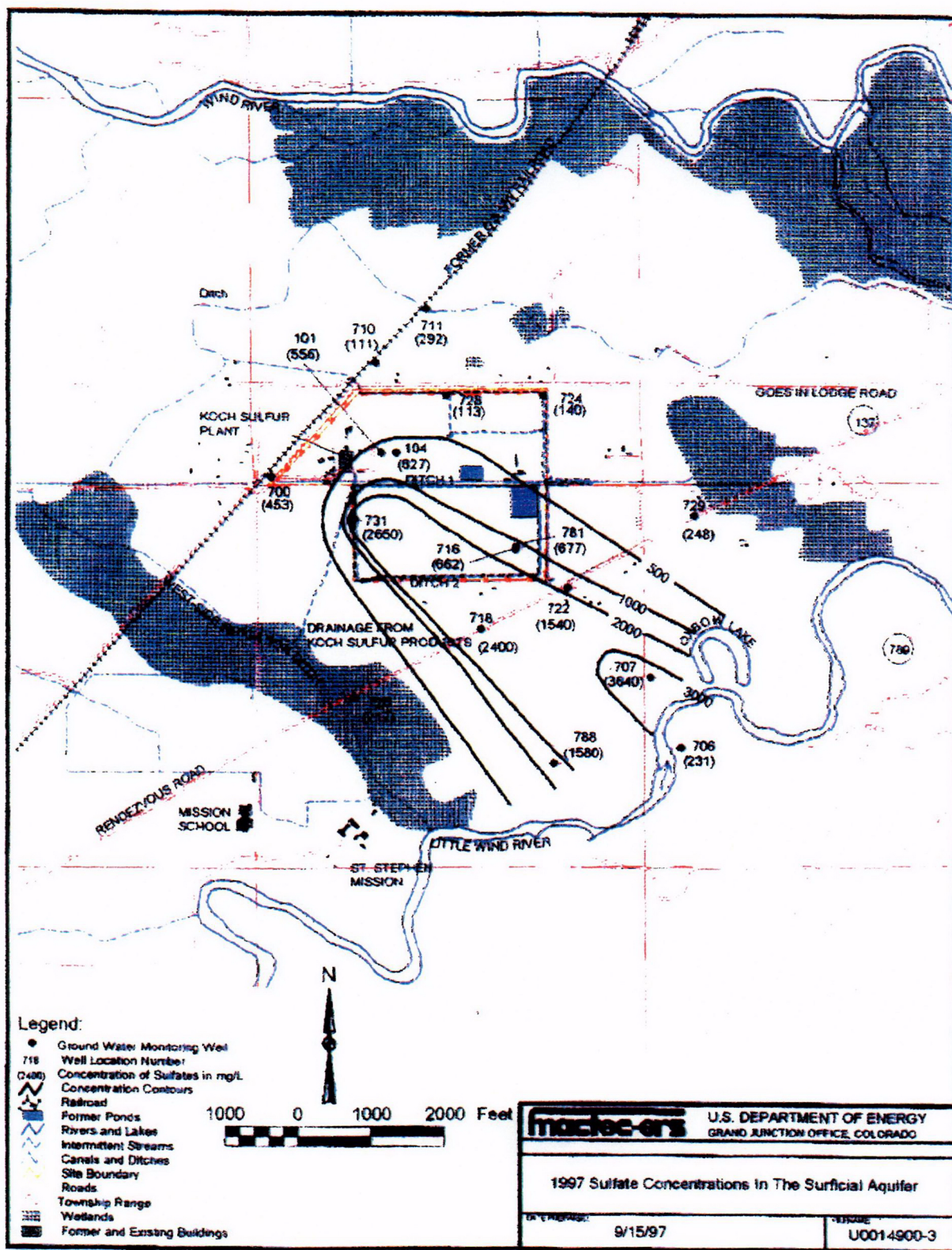


Figure 6. (Figure 4-10 of the SOWP) Sulfate Concentrations in the Surficial Aquifer.

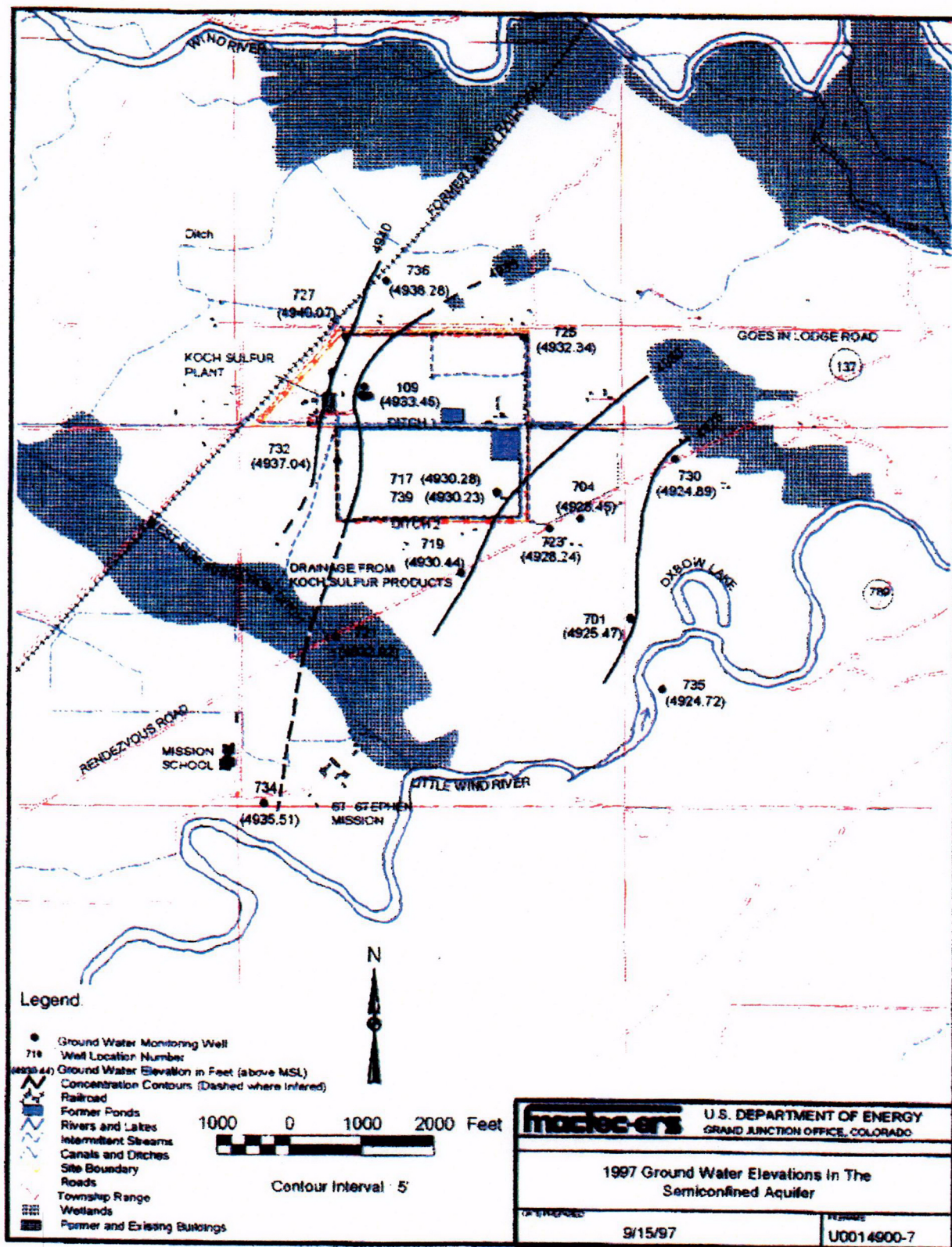


Figure 7. (Figure 4-6 of the SOWP) Groundwater Elevations in the Semiconfined Aquifer.

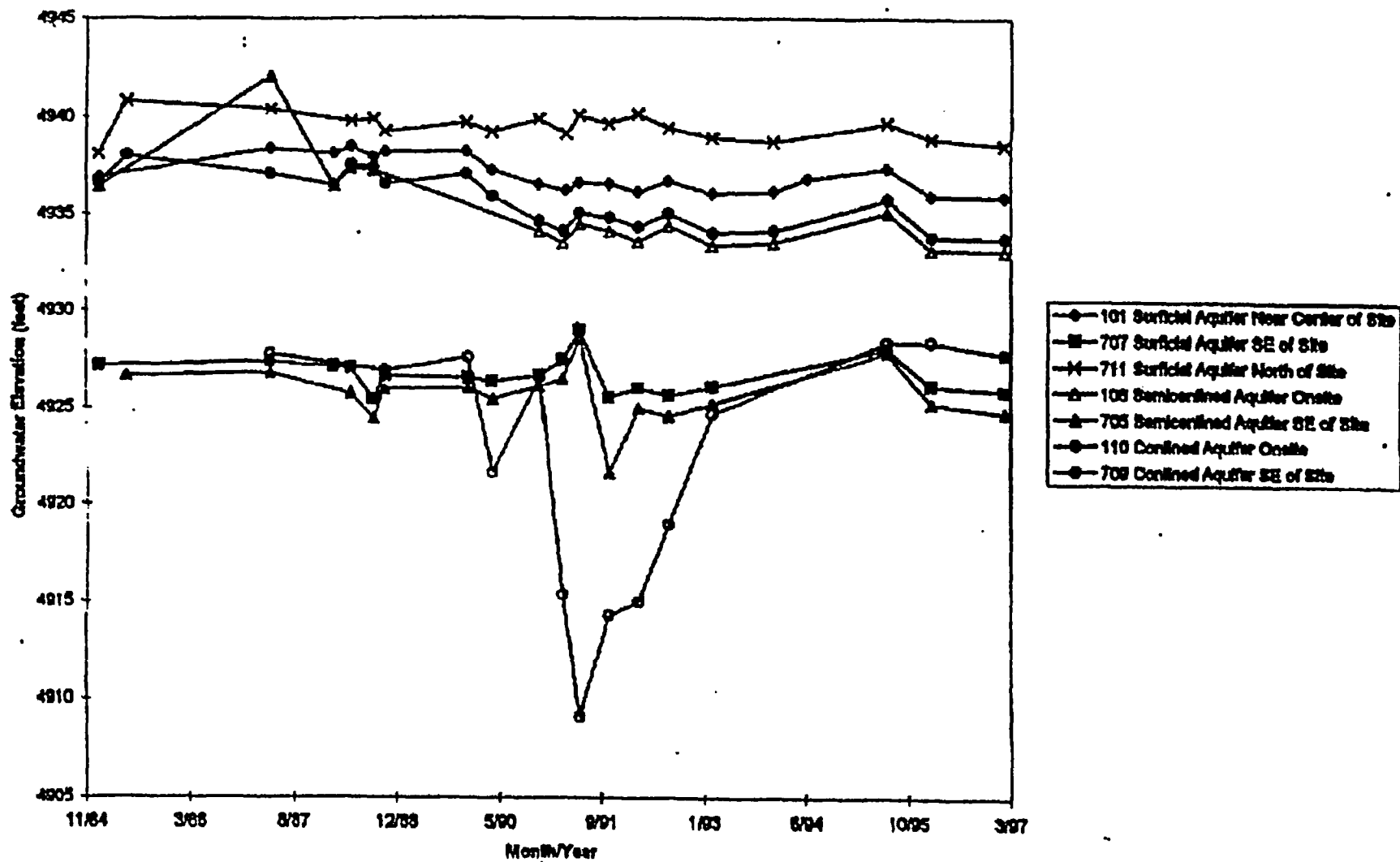


Figure 8. (Figure 4-4 of the SOWP) Hydrographs of On-Site Wells.

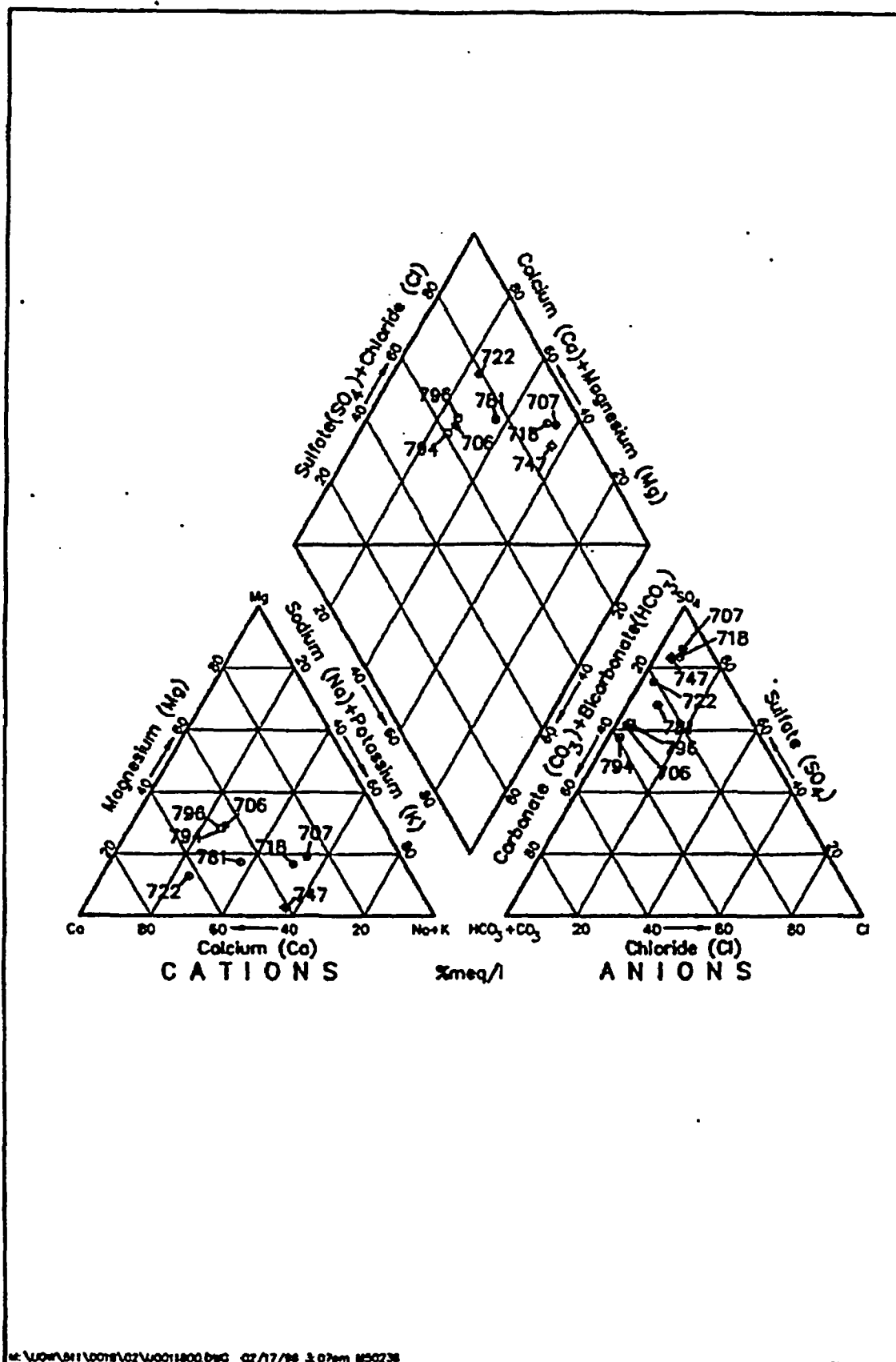


Figure 9. (Figure 4-8 of the SOWP) Trilinear Diagram.

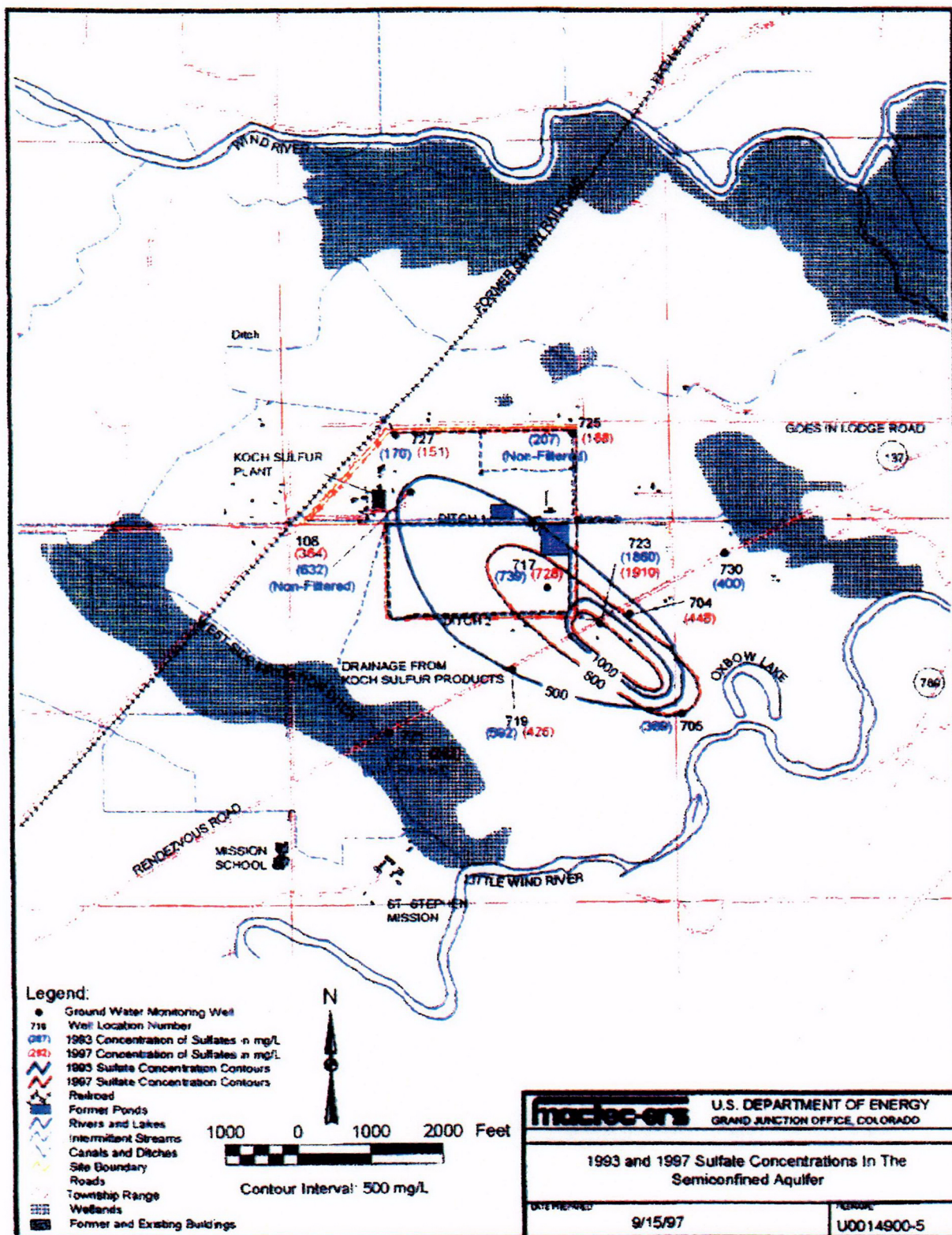


Figure 10. (Figure 4-15 of the SOWP) Sulfate Concentrations in the Semiconfined Aquifer.

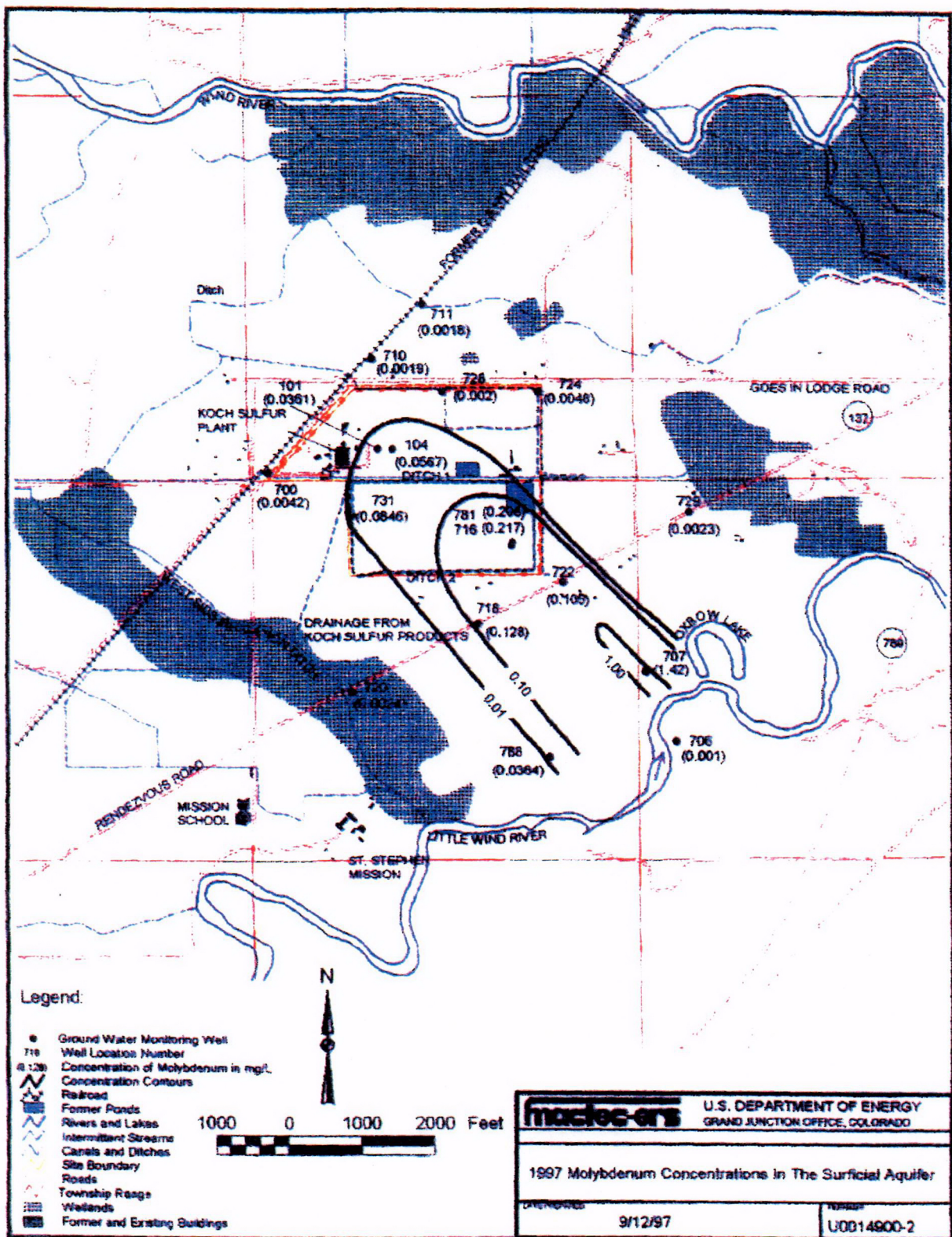


Figure 11. (Figure 4-9 of the SOWP) Molybdenum Concentrations in the Surficial Aquifer.

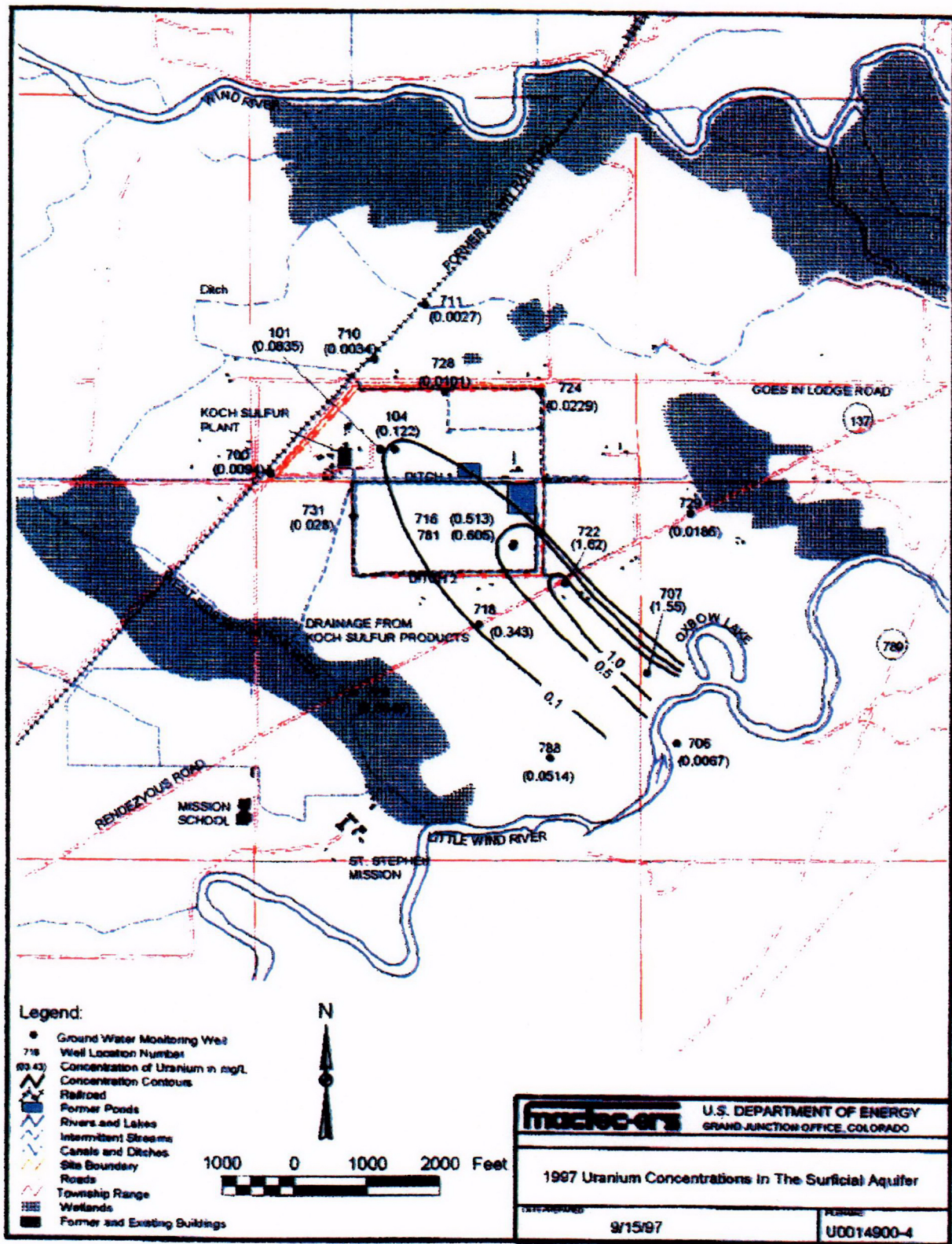


Figure 12. (Figure 4-11 of the SOWP) Uranium Concentration in the Surficial Aquifer.

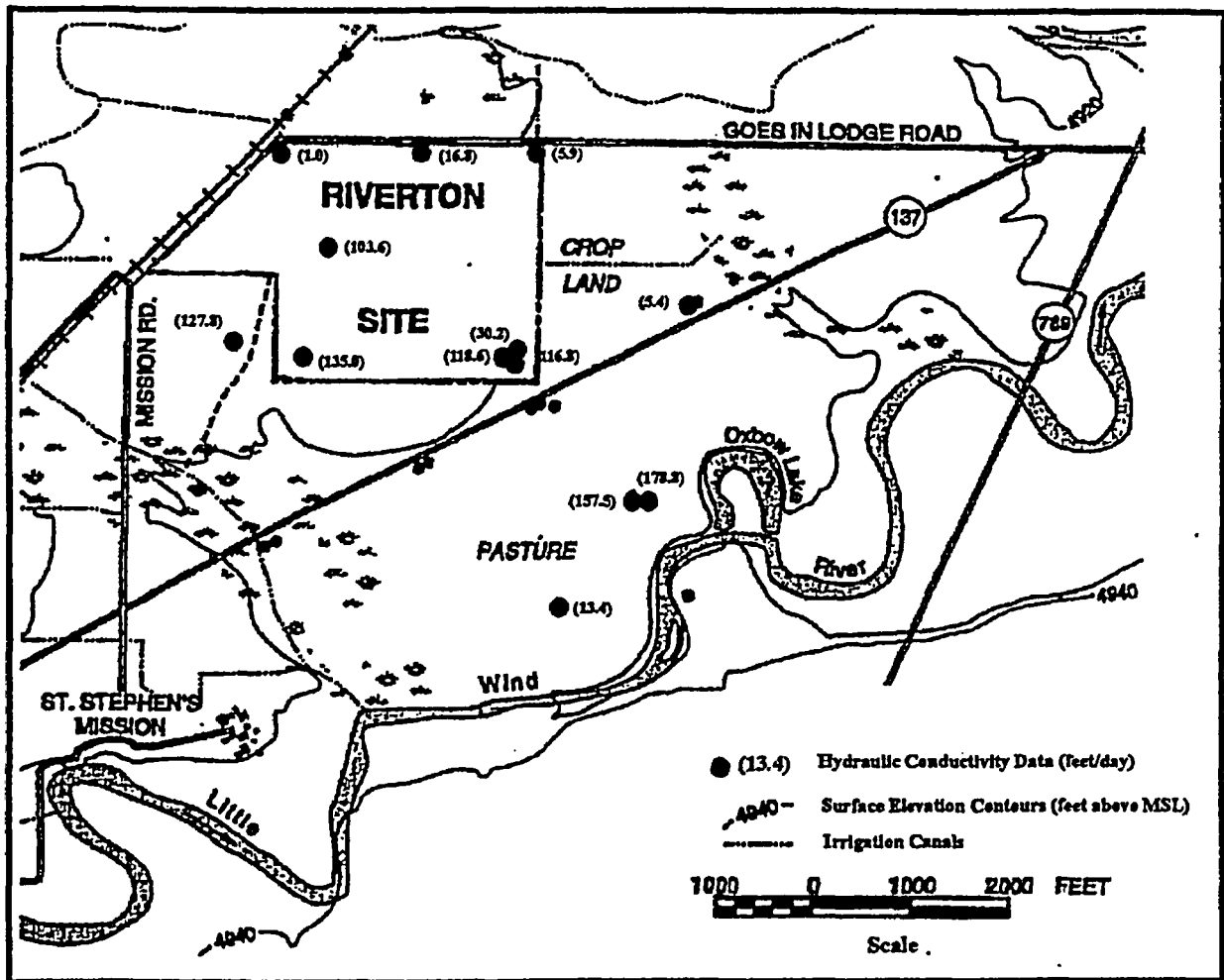


Figure 13. (Figure 7-1 of the SOWP) Hydraulic Conductivity Data Used in Geostatistical Modeling of Spatial Variability.

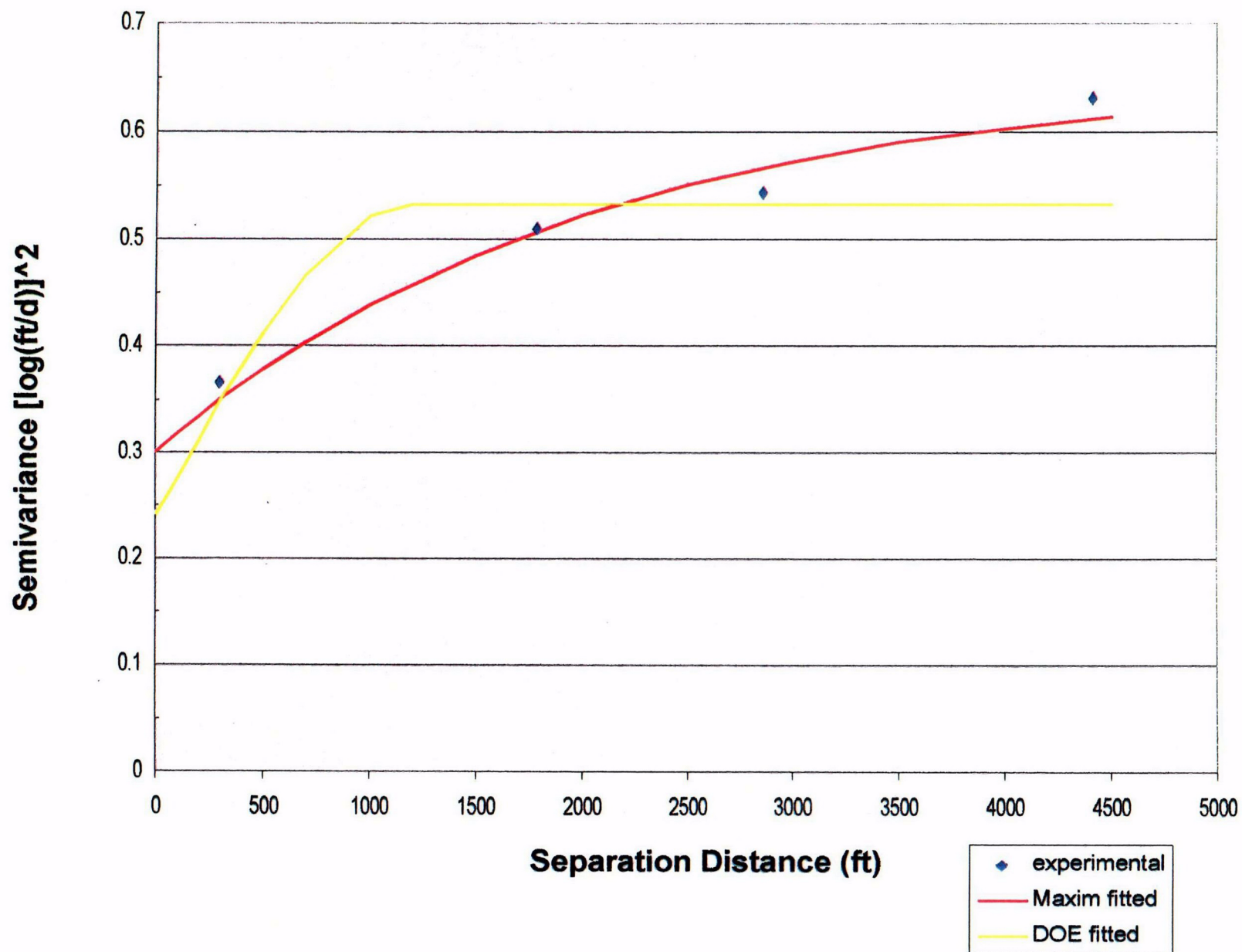


Figure 14. Comparison of DOE and Maxim Fitted Semivariograms

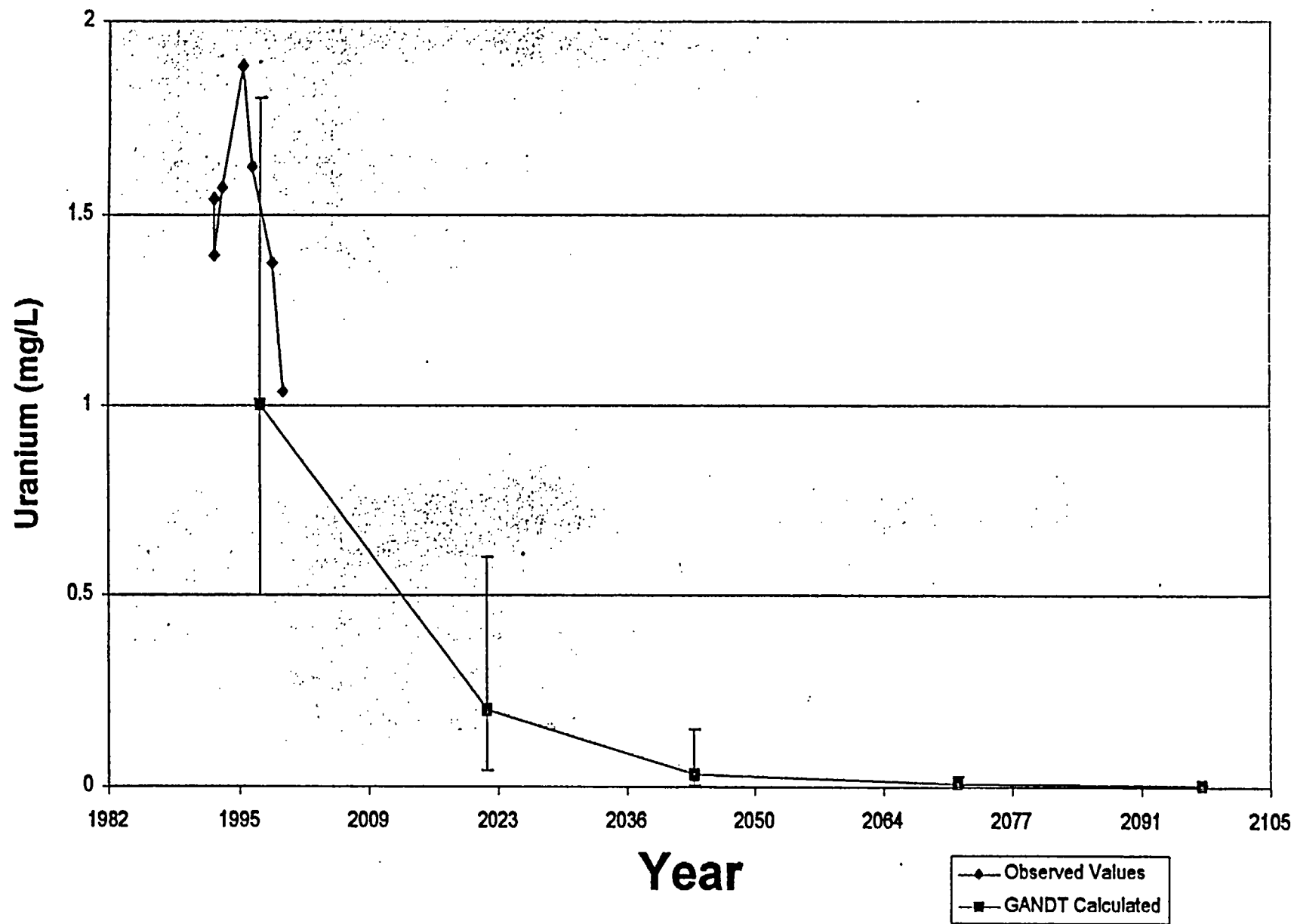


Figure 15. Comparison of Gandt Predictions and Site Data for Monitor Well 722.

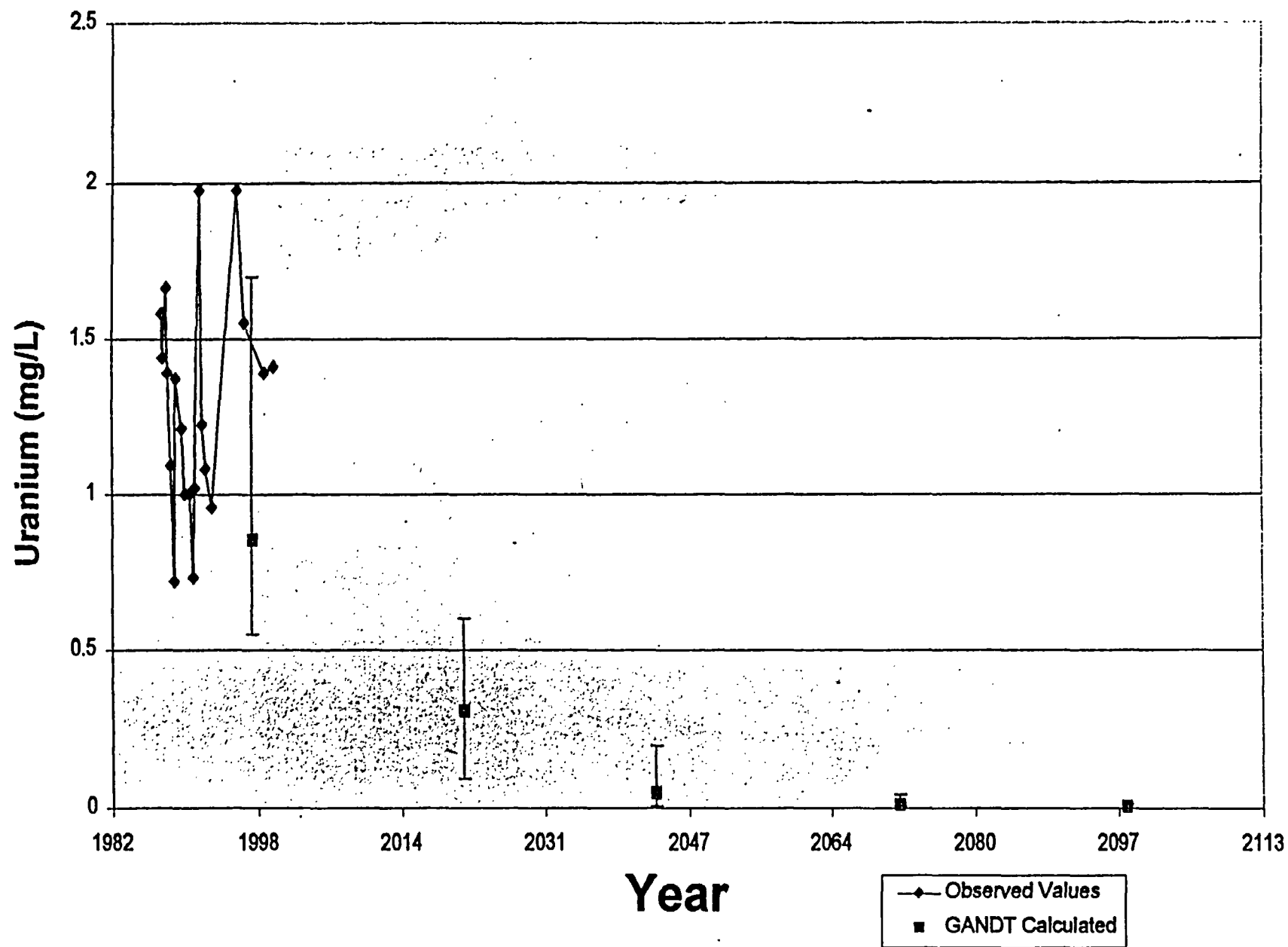


Figure 16. Comparison of Gandt Predictions and Site Data for Monitor Well 707.