USHP000405

UMTRA
Ground Water Project

DATA VALIDATION
SHIPROCK, NM
UMTRA SITE

January/February 2000
Water Sampling

Prepared by the
U.S. Department of Energy
Grand Junction Office

RECORD COPY

SHIPROCK, NEW MEXICO
Sampled January/February 2000

DATA PACKAGE CONTENTS

This data package includes the following information:

Item No.	Description of Contents
1.	**Site Hydrologist Summary**
2.	**Data Package Assessment,** which includes the following: a. Field procedures verification checklist b. Confirmation that chain-of-custody was maintained. c. Confirmation that holding time requirements were met. d. Evaluation of the adequacy of the QC sample results.
3.	**Data Assessment Summary,** which describes problems identified in the data validation process and summarizes the validator's findings.
4.	**Anomalous Data Review Checksheets** which list the subset of data that merits explanation or follow-up action. The "Disposition" column of this report describes the evaluator's judgments on the listed anomalies.
5.	**UMTRA Database Printouts** of analytical data organized as follows: a. Ground Water Quality Data (included on disk) b. Surface Water Quality Data (included on disk) c. Equipment Blank Data (included on disk) d. Time Versus Concentration Graphs e. Static Ground Water Level Measurement Data
6.	**Sampling and Analysis Work Order and Trip Reports.**

Site Hydrologist Summary

Site: Shiprock

Sampling Period: January 31 to February 7, 2000

SUMMARY CRITERIA

1. **Did concentrations in water from any domestic wells sampled exceed a ground water standard, a primary drinking water standard, or health advisory?**

   The selenium concentration from well 847 (0.0295mg/L) exceeded the UMTRA ground water standard. The nitrate (737 mg/L) and selenium (0.974 mg/L) concentrations from well 848 exceeded UMTRA ground water and primary drinking water standards, and the uranium concentration (0.0474mg/L) in well 848 exceeded the UMTRA ground water standard. Well 848 was installed for irrigation purposes and currently is inactive, and well 847 is being used for irrigation only; both wells are located on the Shiprock High School property

2. **Were standards exceeded at any point-of-compliance wells?**

   There are no point-of-compliance wells established at the Shiprock site because of preexisting ground water contamination (from milling operations) at the repository site.

3. **As a result of this sampling round, is there any indication of unexpected contaminated ground water movement?**

   There is no indication of unexpected movement of contaminated ground water; however, previous ground water sampling at the Shiprock site has indicated that inorganic and radiological contamination has been present in both the terrace ground water and alluvial aquifer systems. An assessment of the distribution and rate of movement of contaminated ground water will be made in conjunction with the current field investigation at the Shiprock site. Wells with sample concentrations that exceeded UMTRA ground water standards are listed in Table 1. Graphs that show nitrate and uranium concentrations versus time for selected wells are included with the analytical data.

4. **Is there statistical evidence that UMTRA Project related contaminants were detected in a surface body of water in greater concentrations than upstream ambient water quality?**

   Surface water concentrations were compared to benchmark values derived using data from sampling locations 888 and 898, which are located upstream of the site on the San Juan River. Because these sites have only been sampled four times each, the benchmark background value used for comparison was the maximum observed value from these locations.

Site Hydrologist Summary (continued)

Sample concentrations of gross alpha (30.67 pCi/L), nitrate (22.5 mg/L), and uranium (0.0469 mg/L) from the surface location 940 exceeded the respective benchmark values. This location is on the San Juan River adjacent to the floodplain ground water contamination plume. This sampling event was conducted during a low flow period of the river (approximately 500 to 1000 cfs). Historically, this location was sampled once in June of 1999 when the river flow was approximately 3,000 cfs; no benchmark values were exceeded during the high-flow sampling event. The high concentrations of gross alpha, nitrate, and uranium at location 940 indicate some contribution of contaminants from the floodplain plume (as represented by analyses of ground water from nearby well 854) into the San Juan River during low river flows. The sample at location 940 was collected approximately 3 feet from the river bank in slowly moving current.

Sample concentrations from location 894 exceed the respective benchmark values for molybdenum, nitrate, selenium, and uranium (Table 2). This location is on the San Juan River where the floodplain drainage channel discharges into the river. During low river-flow, water sampled at this location is indicative of drainage channel water quality. Sample concentrations of molybdenum, nitrate, selenium, and uranium from location 894 are similar to location 655 (Table 2), which is located on the drainage channel upstream of location 894. During high river flow, sample concentrations from location 894 are indicative of river water quality. Nitrate, selenium, and uranium results from the June 1999 sampling event (high river flow) were an order of magnitude lower than the results from this round.

Benchmark values were exceeded at additional surface water locations listed in Table 2. These locations receive discharge from contaminated alluvial or terrace aquifers and elevated concentrations are expected.

Craig Goodknight 5/2/00

Craig Goodknight Date
Project Lead

Mark Kautsky 5-2-2000

Mark Kautsky Date
Site Hydrologist

Table 1. Shiprock Wells Exceeding UMTRA standards in January/February 2000.

ANALYTE	STANDARD[1]	SITE	WELLS EXCEEDING STANDARDS (MG/L)[1]
Cadmium	0.010	SHP02	603 (0.0154), 730 (0.0471)
Net Alpha[2]	15	SHP01	608 (310.98), 614 (107.2), 615 (375.06), 620 (44.44), 626 (15.34), 630 (35.06), 734 (81.16), 735 (59.44), 853 (21.48)
Net Alpha[2]	15	SHP02	602 (153.82), 727 (136.35), 728 (43.36), 813 (159.4), 815 (72.05), 816 (42.46), 824 (202.68), 826 (55.72), 827 (31.59), 836 (24.1), 837 (16.77), 839 (32)
Molybdenum	0.100	SHP01	860 (0.121), 863 (0.349)
Molybdenum	0.100	SHP02	824 (0.856)
Nitrate	44.27	SHP01	608 (2,320), 610 (2,910), 614 (3,480), 615 (2,960), 616 (73.4), 617 (796), 619 (126), 620 (155), 624 (176), 630 (77.3), 734 (211), 735 (1,940), 766 (1,180), 773 (1,490), 775 (1,070), 779 (157), 854 (2,050)
Nitrate	44.27	SHP02	600 (507), 602 (109), 603 (4,900), 604 (5,330), 725 (59.1), 726 (137), 727 (1,810), 728 (499), 730 (574), 731 (1,260), 812 (5,820), 813 (8,790), 814 (4,100), 815 (2,940), 816 (558), 819 (380), 820 (473), 823 (483), 824 (636), 826 (94.7), 827 (633), 830 (75.1), 832 (1,560), 833 (1,240), 836 (60.9), 839 (2,500), 841 (1,990), 844 (164), 846 (547) 848 (737), 1048 (3,160), 1049 (3,010)
Ra-226+228	5	SHP02	600 (5.1), 602 (15.93), 727 (8.84), 815 (7.7), 839 (6.42)
Selenium	0.01	SHP01	610 (0.0177), 614 (0.0662), 615 (1.04), 616 (0.0612), 617 (0.0706), 619 (0.468), 620 (0.159), 624 (0.181), 626 (0.0364), 630 (0.123), 734 (0.114), 735 (0.0812), 768 (0.134), 773 (0.0122), 775 (0.0246), 855 (0.0784)
Selenium	0.01	SHP02	603 (0.304), 604 (0.321), 725 (0.0836), 726 (0.198), 728 (0.0777), 730 (0.0173), 731 (0.17), 812 (6.52), 813 (0.0372), 814 (2.96), 815 (0.373), 816 (0.242), 826 (0.0389), 827 (0.0341), 830 (0.0216), 832 (2.61), 833 (0.592), 835 (0.0453), 836 (0.0976), 837 (0.0162), 838 (0.0272), 841 (2.94), 844 (0.171), 846 (0.89), 847 (0.0295), 848 (0.974), 1048 (2.09), 1049 (2.05),
Uranium	0.044	SHP01	608 (1.95), 610 (1.67), 612 (0.0542), 614 (2.33), 615 (2.27), 616 (0.474), 617 (0.592), 619 (1.38), 620 (0.791), 624 (0.88), 626 (0.104), 630 (0.122), 734 (0.13), 735 (0.189), 736 (0.479), 766 (3.5), 768 (0.948), 773 (0.808), 775 (1.96), 779 (0.984), 853 (0.185), 854 (3.77), 855 (0.11), 856 (0.13), 857 (0.212)
Uranium	0.044	SHP02	600 (1.18), 602 (0.726), 604 (0.0807), 725 (0.0781), 727 (0.432), 728 (0.252), 812 (0.119), 813 (0.147), 814 (0.127), 815 (0.323), 816 (0.0749), 819 (1.39), 824 (0.172), 826 (3.08), 827 (0.781), 828 (0.388), 832 (0.075), 833 (0.123), 836 (0.0525), 839 (0.589), 841 (0.094), 844 (0.0495), 846 (0.0458), 848 (0.0474), 1048 (0.136), 1049 (0.135)

[1] Units are in mg/L except for gross alpha, radium-226, and radium-228, which are in pCi/L.

[2] Uranium activities were subtracted from the gross alpha results in order to compare to the standard, which excludes uranium and radon. Uranium concentrations were converted to activity using a conversion factor of 687 pCi/mg.

Table 2. Locations that Exceed Surface Water Benchmarks in January/February 2000

SAMPLE ID	LOCATION	TYPE	ANALYTE	BENCHMARK	CONCENTRATION
655	Floodplain (SHP01)	Drainage channel	Gross alpha	8.40	66.37
			Molybdenum	0.0075	0.0097
			Nitrate	3.63	103
			Selenium	0.0018	0.0836
			Uranium	0.0038	0.111
657	Floodplain (SHP01)	Canal that drains the wetlands	Gross alpha	8.40	39.27
			Molybdenum	0.0075	0.0093
			Nitrate	3.63	21.5
			Radium-226	0.14	0.59
			Selenium	0.0018	0.018
			Uranium	0.0038	0.0913
658	Floodplain (SHP01)	Wetlands	Nitrate	3.63	5.63
			Radium-226	0.14	0.34
			Selenium	0.0018	0.0119
			Uranium	0.0038	0.0632
887	Floodplain (SHP01)	Distributary channel	Gross alpha	8.40	45.31
			Nitrate	3.63	103
			Selenium	0.0018	0.152
			Uranium	0.0038	0.0496
894	Floodplain (SHP01)	~~Drainage channel~~ San Juan River	Molybdenum	0.0075	0.0099
			Nitrate	3.63	104
			Selenium	0.0018	0.0787
			Uranium	0.0038	0.112
939	Floodplain (SHP01)	Distributary channel	Gross alpha	8.40	32.77
			Nitrate	3.63	98.2
			Selenium	0.0018	0.114
			Uranium	0.0038	0.0393
940	Floodplain (SHP01)	San Juan River	Gross alpha	8.40	30.67
			Nitrate	3.63	22.5
			Uranium	0.0038	0.0469
425	Terrace (SHP02)	Seep	Gross alpha	8.40	231.5
			Nitrate	3.63	180
			Selenium	0.0018	0.0446
			Uranium	0.0038	0.345
426	Terrace (SHP02)	Seep	Gross alpha	8.40	200.17
			Molybdenum	0.0075	0.0124
			Nitrate	3.63	129
			Selenium	0.0018	0.110
			Uranium	0.0038	0.30
662	Terrace (SHP02)	Bob Lee Wash	Gross alpha	8.40	45.78
			Nitrate	3.63	18.2
			Selenium	0.0018	0.0138
			Uranium	0.0038	0.077
786	Terrace (SHP02)	Seep	Nitrate	3.63	281
			Radium-226	0.14	0.68
			Selenium	0.0018	0.160
			Uranium	0.0038	0.0433
884	Terrace (SHP02)	Irrigation ditch return flow	Gross alpha	8.40	40.18
			Nitrate	3.63	64
			Selenium	0.0018	0.146
			Uranium	0.0038	0.0364

Table 2. Locations that Exceed Surface Water Benchmarks in January/February 2000 (continued)

SAMPLE ID	LOCATION	TYPE	ANALYTE	BENCHMARK	CONCENTRATION
885	Terrace (SHP02)	Bob Lee Wash	Gross alpha	8.40	957.83
			Molybdenum	0.0075	0.0205
			Nitrate	3.63	134
			Selenium	0.0018	0.0293
			Uranium	0.0038	1.71
886	Terrace (SHP02)	Many Devils Wash	Molybdenum	0.0075	0.0195
			Nitrate	3.63	2,930
			Selenium	0.0018	1.89
			Uranium	0.0038	0.144
889	Terrace (SHP02)	Many Devils Wash	Molybdenum	0.0075	0.0341
			Nitrate	3.63	3,520
			Radium-226	0.14	1.07
			Selenium	0.0018	2.32
			Uranium	0.0038	0.171
933	Terrace (SHP02)	Wash	Nitrate	3.63	376
			Selenium	0.0018	0.226
			Uranium	0.0038	0.0706
934	Terrace (SHP02)	Wash	Gross alpha	8.40	32.84
			Nitrate	3.63	74.5
			Selenium	0.0018	0.101
			Uranium	0.0038	0.0329
935	Terrace (SHP02)	Seep	Gross alpha	8.40	92.85
			Molybdenum	0.0075	0.0197
			Nitrate	3.63	515
			Selenium	0.0018	0.428
			Uranium	0.0038	0.102
936	Terrace (SHP02)	Seep	Gross alpha	8.40	63.16
			Nitrate	3.63	218
			Selenium	0.0018	0.172
			Uranium	0.0038	0.0486
942	Terrace (SHP02)	Pond	Gross alpha	8.40	27.8
			Nitrate	3.63	105
			Selenium	0.0018	0.109
			Uranium	0.0038	0.0339

DATA ASSESSMENT

UGW Water Sampling Field Activities Verification Checklist

Project Shiprock, NM
Date(s) of Verification March 30 →

Date(s) of Water Sampling Jan - Feb., 2000
Name of Verifier JEFF PRICE

	Response Comments (Yes, No, N/A)	
1. Is the SAP the primary document directing field procedures?	YES	
List other documents, SOP's, instructions.		Work order letter.
2. Were the sampling locations specified in the planning documents sampled?	YES	Except: 825, 861, 635 were purged dry but did not recover enough to sample.
3. Was field equipment calibrated as specified in the above named documents?	YES	
Were the number and types (alkalinity, temperature, Ec, pH, turbidity, DO, ORP) of field measurements taken as specified?	YES	Except: 814, 730, 812, 824, 823, 820, 863, 862, 860, 819 did not ~~with~~ yield enough water for alkalinity
Were the standard solutions used for the calibration and operational checks of the field instruments brought to within 10 degrees C of the temperature of the water to be sampled?	Yes	Except: 839, 939, 1263, 657, 886.
Was the calibration information recorded on the field data sheets?	YES	
4. Was depth to water measured before purging?	YES	
Was this information used to calculate purge volume?	YES	
5. If conventional purging was used, were the wells purged until parameters stabilized and 3 casing volumes were removed, until the well was purged dry, or until 10 casing volumes were removed?	YES	
6. If low-flow purging was used, was the purge rate less than 0.125 gal/min, and was the drawdown less than 0.3 ft?	NOT DONE	

7. Were duplicates taken at a frequency of one per 20 samples?	YES	
8. Were equipment blanks taken at a frequency of one per 20 samples that were collected with nondedicated equipment?	No	5 equipment blanks were required; 3 were taken.
9. Were trip blanks prepared and included with each shipment of VOC samples?	NOT REQUIRED	
10. Were QC samples assigned a fictitious site identification number?	YES	
Was the true identity of the samples recorded in the field notes?	YES	
11. Were samples collected in the containers specified?	YES	
Were certified pre-cleaned containers used for the sampling?	YES	
12. Were samples filtered and preserved as specified?	YES	
13. Were the number and types of samples collected as specified?	YES	EXCEPT: 814, 730, 812, 824, 823, 820, 863, 862, 860, 819 Wells didn't yield enough water for full analyte suite.
14. Were chain of custody records completed and was sample custody maintained?	YES	
15. Were sample ticket book numbers recorded on field data forms and on the chain of custody?	YES	
16. Are field data sheets signed and dated by the team leader?	YES	
17. Was all other pertinent information documented on the field data sheets?	YES	
18. Was the presence or absence of ice in the cooler documented at every sample location?	YES	
19. Were water levels measured at the locations specified in the planning documents?	YES	

DATA PACKAGE ASSESSMENT

REQUISITION NUMBERS: 16911 SITE: Ship Rock LABORATORY: GJO ANALYSIS DATES: 2-8-00 to 3-21-00

REVIEWER: Sam Campbell (NAME (print)) Sam Campbell (SIGNATURE) 4-12-00 (DATE)

	ICP-MS	ICP-AES	GFAA	FAA	$NaBH_4$	AS	LSc	PC	IC	Gravimetric	Colorimetric	Other β-γ CC	
CHAIN OF CUSTODY	1	1	NA	NA	1	1	1	1	1	1	1	1	NA
HOLDING TIME	OK	OK			OK	OK	OK	OK	OK	2	OK	OK	
CALIB. VERIFICATION (For AS, internal tracer)	OK	OK			OK	OK	OK	OK	OK	NA	OK	OK	
PREP. BLANKS (Only if digestion)	3	4			5	OK	OK	OK	NA	NA	NA	OK	
INT/CONT CAL. BLANKS	6	7			8	NA	NA	NA	9	NA	10	NA	
ICP SERIAL DILUTION	11	12	NA	NA	NA	NA	NA	NA	NA	NA	NA		
ICS (ICP only)	OK	OK	NA	NA	NA	NA	NA	NA	NA	NA	NA		
LAB. CONTROL SAMPLE	OK	OK			OK	OK	OK	OK	OK	OK	NA	OK	
DUPLICATES	OK	OK			OK	OK	OK	OK	OK	OK	OK	OK	
POSTDIGEST. SPKS. (Only if MS fails)	NA	NA			NA	NA	NA	NA	NA	NA	NA	NA	
MATRIX SPKS.	OK	OK			OK	NA	NA	13	OK	NA	OK	NA	
OVERALL ASSESS.	OK	OK			OK	OK	OK	OK	OK	OK	OK	OK	

REVIEWER COMMENTS: 1 Time gap between "relinquished" and "received" on two COC, 3 Uranium detected in a prep blank - no samples affected. 4 Mn, Na, and Sr detected in prep blanks - no samples affected 6 U detected in ICB and CCBs - no samples affected. 7 Ca, Na, and V detected in CCBs - no samples affected 8 As detected in an ICB - no samples affected. 9 NH_4 detected in CCBs - no samples affected.

ITEMS REQUIRING ATTENTION: 2 J flag TDS results 265067 and 265072 because the holding time was exceeded. 3 U flag Sb results 265089, 090, and 093 because of prep blank contamination - also Mo results 265060, 061, and 062. 4 U flag Ca results 060, 061 and 062, and Fe result 060 because of prep blank contamination 5 U flag As results 089, 090, 093 and Se result 060 because of prep blank contamination 6 U flag the following results because of CCB contamination: Sb results 058, 059, 063-111, 113-121, and 123; Mo results 081, 082, 088-091, 093, 094, 097, 104-108, 116, 118, 119, 120. 7 U flag the following results because of CCB contamination: Fe results 069-071, 074, 095; Mn results 088-095, 097, 106; and 060, 061; Sr results 060. 8 U flag the following Se results because of CCB contamination 064, 065, 079, 084, 091, and 117. 9 U flag NO_3 result 069 because of CCB contamination. 11 J flag Mo results 058, 059, and 065-077 because the serial dilution did not meet criteria. 12 J flag Sr results 060, 061, and 062 because the serial dilution did not meet criteria. 13 J flag gross α results 058-076 because the matrix spike did not meet criteria.

DATA PACKAGE ASSESSMENT

REQUISITION NUMBERS: 16913 SITE: Shiprock LABORATORY: GJO ANALYSIS DATES: 2-10-00 to 3-29-00

REVIEWER: Sam Campbell (NAME (print)) Sam Campbell (SIGNATURE) 4-7-00 (DATE)

	ICP-MS	ICP-AES	GFAA	FAA	$NaBH_4$	AS	LSc	PC	IC	Gravimetric	Colorimetric	Other β-γCC	
CHAIN OF CUSTODY	OK	OK	NA	NA	OK	OK	OK	OK	OK	OK	OK	OK	NA
HOLDING TIME	OK	OK			OK	OK	OK	OK	OK	OK	OK	OK	
CALIB. VERIFICATION (For AS, internal tracer)	OK	OK			OK	OK	OK	OK	OK	NA	OK	OK	
PREP. BLANKS (Only if digestion)	NA	NA			NA	OK	OK	OK	NA	NA	NA	OK	
INT/CONT CAL. BLANKS	1	2			3	NA	NA	NA	4	NA	OK	NA	
ICP SERIAL DILUTION	OK	5	NA	NA	NA	NA	NA	NA	NA	NA	NA		
ICS (ICP only)	OK	OK	NA	NA	NA	NA	NA	NA	NA	NA	NA		
LAB. CONTROL SAMPLE	OK	OK			OK	OK	OK	OK	OK	OK	NA	OK	
DUPLICATES	OK	OK			OK	OK	OK	OK	OK	6	OK	OK	
POSTDIGEST. SPKS. (Only if MS fails)	NA	NA			NA	NA	NA	NA	NA	NA	NA	NA	
MATRIX SPKS.	OK	OK			OK	NA	NA	8	OK	NA	7	NA	
OVERALL ASSESS.	OK	OK			OK	OK	OK	OK	OK	OK	OK	OK	

REVIEWER COMMENTS: 1 Mo and U detected in CCBs - no samples affected. 2 V detected in CCBs - no samples affected. 3 Se detected in one ICB - no samples affected.

ITEMS REQUIRING ATTENTION: 2 U flag the following results because of CCB contamination: Ca result 265145; Mg result 265186; Mn results 265159, 164, 180, 184, 190 and 191; Na results 265145 and 265178; and Sr result 265186. 4 U flag nitrate result 265186 because of CCB contamination 5 J flag Ca results 265138 to 265142, 265144 to 265150 and 265152 to 265156 because the serial dilution did not meet criteria 6 J flag TDS results 265145-154, and 265176-186 because the lab duplicate did not meet criteria 7 J flag NH_4 results 265138-155, 190, 194-197, 201-203, and 174-177, - Because of matrix spike recovery. 8 J flag gross α results 265177-188, 190-191, 193, 195-197, 200, 201-203, ~~[illegible]~~ 199 ~~[illegible]~~ because of matrix spike recovery.

SHIPROCK, NEW MEXICO
JANUARY/FEBRUARY 2000 SAMPLING
DATA ASSESSMENT SUMMARY

The DOE-GJO Analytical Laboratory analyzed samples and reported results for this sampling event under requisition numbers 16911 and 16913 for the UMTRA Ground Water Project.

RADIOCHEMICAL ANALYSES

The determination of gross alpha was performed using gas proportional counting (PC). Although not requested, gross beta results are included in this report because gross beta activity is determined concurrently with gross alpha activity. The detection limits for gross alpha are higher than those specified in the planning documents due to high TDS in the samples. Polonium-210 was determined using alpha spectrometry (AS). Radium-226 and radium-228 (for the majority of samples) were determined by liquid scintillation spectrometry (LSc). Four samples had filtered and unfiltered aliquots analyzed for thorium-228, thorium-230 and thorium-232 using alpha spectrometry, and radium-228 using beta-gamma coincidence counting.

Radiological results that were less than the minimum detectable activity (MDA) and/or the 3-sigma counting statistic range were qualified with a "U" flag (nondetect) in the database as reflected in the database printouts.

The following gross alpha results were qualified with a "J" flag (estimated) because the spike recovery did not meet criteria:

SHP01 Surface Water – 265180 (897).

SHP01 Ground Water - 265063 (782), 265064 (783), 265065 (784), 265067 (630), 265068 (734), 265069 (856), 265070 (856 duplicate), 265071 (736), 265072 (766), 265073 (855), 265074 (628), 265075 (626), 265076 (626 duplicate), 265177 (619 duplicate), 265178 (equipment blank), 265179 (615), 265181 (853), 265182 (773), 265183 (768), 265201 (631), 265202 (632), and 265203 (733).

SHP02 Ground Water - 265058 (836), 265059 (843), 265066 (837), 265184 (725), 265185 (725 duplicate), 265186 (equipment blank), 265187 (726), 265188 (727), 265190 (1049), 265191 (1048), 265193 (813), 265195 (816), 265196 (839), 265197 (815), and 265200 (819).

METALS/MAJOR CATIONS ANALYSES

The determination of calcium, iron, potassium, magnesium, manganese, sodium, strontium, and vanadium was performed by inductively coupled plasma-atomic emission spectrometry (ICP-AES). Antimony, cadmium, molybdenum, and uranium were analyzed using inductively coupled-mass spectrometry (ICP-MS). Arsenic and selenium were determined by hydride generation ($NaBH_4$) atomic absorption spectroscopy.

The majority of antimony results from requisition 16911 were qualified with a "U" flag in the database because of continuing calibration blank (CCB) or prep blank contamination (*see Data Package Assessment* form and database printouts).

The following results were qualified with a "U" flag in the database because of CCB or prep blank contamination:

SHP01 Surface Water – Molybdenum results 265097 (555), 265104 (941), 265105 (895), 265106 (896), 265107 (940), 265108 (553), 265116 (898); manganese results 265097 (555), 265106 (896), and manganese result 265180 (897)

SHP01 Ground Water – Iron results 265070 (856 duplicate), 265071 (736), 265074 (628); molybdenum results 265081 (616), 265082 (617); selenium results 265064 (783), 265065 (784), 265079 (857), 265084 (612), 265117 (850); and sodium result 265178 (equipment blank)

SHP02 Surface Water – Iron result 265095 (662); arsenic results 265089 (1265), 265090 (1264), 265093 (1263); molybdenum results 265088 (1265), 265089 (1265), 265090 (1264), 265091 (1264), 265093 (1263), 265094 (1263); manganese results 265088 (1265), 265089 (1265), 265090 (1264), 265091 (1264), 265092 (426), 265093 (1263), 265094 (1263), 265095 (662); and selenium result 265091 (1264); calcium result 265145 (equipment blank); and sodium result 265145 (equipment blank)

SHP02 Ground Water – Molybdenum results 265118 (827), 265119 (731), and 265120 (830); magnesium result 265186 (equipment blank); manganese results 265159 (846), 265164 (832), 265184 (725), 265190 (1049), and 265191 (1048); and strontium result 265186 (equipment blank).

The following results were qualified with a "J" flag in the database because the serial dilution did not meet criteria:

SHP01 Surface Water – Calcium results 265140 (888), 265142 (893), 265148 (546), 265150 (548), 265152 (887), and 265155 (939).

SHP01 Ground Water – Molybdenum results 265065 (784), 265067 (630), 265068 (734), 265069 (856), 265070 (856 duplicate), 265071 (736), 265072 (766), 265073 (855), 265074 (628), 265075 (626), 265076 (626 duplicate), 265077 (775), and 265149 (732).

SHP02 Surface Water - Calcium results 265138 (889), 265139 (886), 265141 (786), 265144 (933), 265145 (equipment blank), 265146 (934), 265147 (936), 265153 (884 duplicate), and 265154 (884).

SHP02 Ground Water – Molybdenum results 265058 (836), 265059 (843), 265066 (837), and 265156 (837).

INORGANIC ANALYSES

Chloride, fluoride, nitrate, and sulfate were determined by ion chromatography (IC), and ammonium was determined by spectrophotometry (or colorimetry). TDS was determined gravimetrically.

TDS results 265067 (630) and 265072 (766) (both SHP01 ground water) were qualified with a "J" flag because the holding time was exceeded.

Nitrate results 265069 (856)(SHP01 ground water) and 265186 (equipment blank)(SHP02) were qualified with a "U" flag because of CCB contamination.

The following TDS results were qualified with a "J" flag because the laboratory duplicate did not meet criteria:

SHP01 Surface Water - 265148 (546), 265150 (548), 265152 (887), and 265180 (897).

SHP01 Ground Water – 265149 (732), 265176 (619), 265177 (619 duplicate), 265178 (equipment blank), 265179 (615), 265181 (853), 265182 (773), and 265183 (768).

SHP02 Surface Water - 265145 (equipment blank), 265146 (934), 265147 (936), 265151 (942), 265153 (884 duplicate), and 265154 (884).

SHP02 Ground Water - 265184 (725), 265185 (725 duplicate), and 265186 (equipment blank).

The following ammonium results were qualified with a "J" flag in the database because the matrix spike recovery did not meet criteria:

SHP01 Surface Water - 265140 (888), 265142 (893), 265148 (546), 265150 (548), 265152 (887), and 265155 (939).

SHP01 Ground Water - 265149 (732), 265175 (854), 265176 (619), 265177 (619 duplicate) 265201 (631), 265202 (632), and 265203 (733).

SHP02 Surface Water - 265138 (889), 265139 (886), 265141 (786), 265143 (935), 265144 (933), 265145 (equipment blank), 265146 (934), 265147 (936), 265151 (942), 265153 (884 duplicate), and 265154 (884).

SHP02 Ground Water - 265174 (603), 265190 (1049), 265194 (730), 265195 (816), 265196 (839), 265197 (815), and 265199 (812).

FIELD ANALYSES/ACTIVITIES

There were no wells with a measured pH greater than 9 during this sampling event; therefore "G" flags indicating potential grout contamination were not required. Because low-flow purging was not used during this sampling event, "F" flags were not required. Results from the following wells were qualified with an "L" flag in the database indicating that less than three casing volumes were removed prior to sampling: 600, 604, 610, 727, 730, 732, 734, 768, 812, 814, 819, 820, 823, 824, 825, 826, 827, 830, 839, 850, 854, 860, 862, and 863.

Three equipment blanks were collected for the 109 locations where samples were collected using non-dedicated equipment. The equipment blanks were analyzed for the same constituents as the Shiprock environmental samples. With the exception of one uranium concentration of 0.0023 mg/L, equipment blank concentrations of UMTRA related contaminants were less than the contract required detection limit (CRDL) or MDA/3-sigma; therefore, equipment blank results are considered acceptable.

Eight field duplicate samples were collected during this event. Duplicate samples were collected at wells 619, 626, 725, 728, 847, and 856 and surface water locations 425 and 884. There are no established regulatory criteria for the evaluation of field duplicate samples; therefore, EPA guidance for laboratory duplicates (which is conservative for field duplicates) was used to assess duplicate precision. Duplicate results met the laboratory duplicate criteria (20 relative percent difference) and are considered acceptable.

SAR

Because of technical constraints, a suspected anomalies report (SAR) could not be generated for the Shiprock site and is not included in this data package. **Instead, historical data were reviewed as part of the evaluation of suspected anomalous data.** Data from this sampling event were compared to historical minimum and maximum values. Results that were greater than 150 percent of the historical maximum value or less than 50 percent of the historical minimum value (generally excluding results with less than 5 historical data points) are listed on the Anomalous Data Review Checksheet. Ammonium results from wells 603 and 615 were two orders of magnitude lower than the historical values. Reanalysis of these samples is in progress, and a final disposition of these results will be determined by the results of the reanalysis. All other results listed on the Anomalous Data Review checksheet will be compared to results of the next sampling round to make a final determination of validity.

Selected results from the June 1999 Shiprock sampling round were listed on the Anomalous Data Review Checksheet, which was included in the June 1999 data validation package. The disposition of the results was to compare to the next sampling round to make a final determination of validity. The potentially anomalous June 1999 results were reviewed in conjunction with the results from this round and were found acceptable. Therefore, results listed on the checksheet in the June data validation package are now considered valid and final, with no additional follow up required.

SUMMARY

All analytical quality control criteria were met except as qualified on the Ground Water Quality Data by Parameter, Surface Water Quality by Parameter, or equipment blank/trip blank database printouts. The meaning of data qualifiers is as defined on the UMTRA database printout or as defined in the USEPA Contract Laboratory Program Statement of Work for Inorganic Analysis, Multi-Media Multi-Concentration, Document Number ILMO2.0, 1991. All data in this package are considered validated and may be treated as final results.

A disk copy of the ground water, surface water, and equipment blank database printouts with the qualifiers incorporated are included in this package.

Sam Campbell — 5-2-00

Sam Campbell
Data Validation Lead

Date

Craig Goodknight — 5/2/00

Craig Goodknight
Project Lead

Date

DATA REVIEW CHECKSHEET

ANOMALOUS DATA REVIEW CHECKSHEET

SITE: Shiprock SAMPLING DATA: Ground Water/Surface Water

REVIEWER(s): Sam Campbell (NAME (print)) Sam Campbell (SIGNATURE) 4-19-00 (DATE)

SITE HYDROLOGIST: Mark Kautsky (NAME (print)) Mark Kautsky (SIGNATURE) 5-2-2000 (DATE)

DATE OF REVIEW: 4-19-00

LOC. NO.	ANALYTE	TYPE OF ANOMALY	DISPOSITION
612	Ca	All time low	Compare to next round
↓	U	↓	↓
614	F	All time high	
615	NH_4	All time low	Reanalyze sample
631	Mo	↓	Compare to next round
655	Mg	All time high	↓
↓	NO_3	↓	
	U		
657	NO_3		
↓	Se		
658	NH_4		
↓	Ca		
	Cl		
	Mg		
	Mn		
	NO_3		
	Se		
	SO_4		
	U		
736	NO_3	All time low	
425	Mn	↓	

ANOMALOUS DATA REVIEW CHECKSHEET

SITE: Shiprock SAMPLING DATA: Ground Water/Surface

REVIEWER(s): Sam Campbell (NAME (print)) Sam Campbell (SIGNATURE) 4-19-00 (DATE)

SITE HYDROLOGIST: Mark Kautsky (NAME (print)) Mark Kautsky (SIGNATURE) 5-2-2000 (DATE)

DATE OF REVIEW: 4-19-00

LOC. NO.	ANALYTE	TYPE OF ANOMALY	DISPOSITION
603	NH_4	All time low	Reanalyze sample
662	Ca	All time high	Compare to next round
↓	Gross α	↓	↓
↓	U	↓	↓
725 dup	Gross α	All time low	↓
835	NO_3	All time high	↓
894	NO_3	↓	↓

WATER QUALITY DATA

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:14 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0608	02/03/2000	0001	KM	D	1100			#	-	-
	mg/L	0608	02/03/2000	N001	KM	D	1130			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	418		L	#	-	-
	mg/L	0610	02/03/2000	N001	AL	D	454		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	246			#	-	-
	mg/L	0612	02/03/2000	N001	AL	D	258			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	732			#	-	-
	mg/L	0614	02/03/2000	N001	AL	D	730			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	660			#	-	-
	mg/L	0615	02/05/2000	N001	AL	D	645			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	324			#	-	-
	mg/L	0616	02/03/2000	N001	AL	D	332			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	376			#	-	-
	mg/L	0617	02/03/2000	N001	AL	D	380			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	976			#	-	-
	mg/L	0619	02/05/2000	N001	AL	D	982			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	906			#	-	-
	mg/L	0620	02/03/2000	N001	AL	D	944			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	796			#	-	-
	mg/L	0624	02/03/2000	N001	AL	D	770			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	466			#	-	-
	mg/L	0626	02/02/2000	N001	AL	D	466			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	236			#	-	-
	mg/L	0628	02/02/2000	N001	AL	D	240			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	221			#	-	-
	mg/L	0630	02/02/2000	N001	AL	D	220			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	470			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:14 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0631	02/07/2000	N001	AL	D	471			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	462			#	-	-
	mg/L	0632	02/07/2000	N001	AL	D	455			#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	227		L	#	-	-
	mg/L	0732	02/05/2000	N001	AL	N	223		L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	444			#	-	-
	mg/L	0733	02/07/2000	N001	AL	N	458			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	722		L	#	-	-
	mg/L	0734	02/02/2000	N001	AL	N	716		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	652			#	-	-
	mg/L	0735	02/03/2000	N001	AL	N	628			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	716			#	-	-
	mg/L	0736	02/02/2000	N001	AL	N	732			#	-	-
	mg/L	0766	02/02/2000	0001	AL		1350			#	-	-
	mg/L	0766	02/02/2000	N001	AL		1354			#	-	-
	mg/L	0768	02/05/2000	0001	AL		1260		L	#	-	-
	mg/L	0768	02/05/2000	N001	AL		1271		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		315			#	-	-
	mg/L	0773	02/05/2000	N001	AL		308			#	-	-
	mg/L	0775	02/02/2000	0001	AL		880			#	-	-
	mg/L	0775	02/02/2000	N001	AL		888			#	-	-
	mg/L	0779	02/03/2000	0001	AL		618			#	-	-
	mg/L	0779	02/03/2000	N001	AL		604			#	-	-
	mg/L	0782	02/01/2000	0001	AL		155			#	-	-
	mg/L	0782	02/01/2000	N001	AL		142			#	-	-
	mg/L	0783	02/01/2000	0001	AL		145			#	-	-
	mg/L	0783	02/01/2000	N001	AL		145			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:14 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0784	02/01/2000	0001	AL		405			#	-	-
	mg/L	0784	02/01/2000	N001	AL		415			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	360		L	#	-	-
	mg/L	0850	02/02/2000	N001	AL	N	366		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	256			#	-	-
	mg/L	0853	02/05/2000	N001	AL	N	254			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	1169		L	#	-	-
	mg/L	0854	02/05/2000	N001	AL	N	1220		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	268			#	-	-
	mg/L	0855	02/02/2000	N001	AL	N	276			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	270			#	-	-
	mg/L	0856	02/02/2000	N001	AL	N	286			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	312			#	-	-
	mg/L	0857	02/03/2000	N001	AL	N	300			#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	727		L	#	-	-
	mg/L	0863	02/04/2000	N001	KM	N	857		L	#	-	-
Ammonium	mg/L	0608	02/03/2000	0001	KM	D	526.000			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	63.800		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	2.480			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	50.500			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	0.239			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	12.900			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	61.600			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	7.680		J	#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	7.600		J	#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	0.057	B		#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	4.360			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:14 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Ammonium	mg/L	0626	02/02/2000	0001	AL	D	0.0309	B		#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	0.0315	B		#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	0.074	B		#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	0.0094	B		#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	0.0925	BN	J	#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	0.0376	BN	J	#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	0.524	N	JL	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	0.213	N	J	#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	0.0345	B	L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	20.000			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	0.0381	B		#	-	-
	mg/L	0766	02/02/2000	0001	AL		1.090			#	-	-
	mg/L	0768	02/05/2000	0001	AL		1.690		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		12.900			#	-	-
	mg/L	0775	02/02/2000	0001	AL		2.840			#	-	-
	mg/L	0779	02/03/2000	0001	AL		23.200			#	-	-
	mg/L	0782	02/01/2000	0001	AL		0.0488	B		#	-	-
	mg/L	0783	02/01/2000	0001	AL		0.0129	B		#	-	-
	mg/L	0784	02/01/2000	0001	AL		0.415			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	0.0742	B	L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	32.500			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	28.000		JL	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	0.0309	B		#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	0.0955	B		#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	0.0776	B		#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	22.800			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	0.859		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:14 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Ammonium	mg/L	0862	02/04/2000	0001	KM	N	2.780		L	#		
	mg/L	0863	02/04/2000	0001	KM	N	7.900		L	#		
Antimony	mg/L	0608	02/03/2000	0001	KM	D	0.00092	B	U	#		
	mg/L	0610	02/03/2000	0001	AL	D	0.00081	B	UL	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	0.00059	B	U	#		
	mg/L	0614	02/03/2000	0001	AL	D	0.0013	B	U	#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	0.0004	U		#	0.0004	
	mg/L	0616	02/03/2000	0001	AL	D	0.001	B	U	#		
	mg/L	0617	02/03/2000	0001	AL	D	0.0008	B	U	#		
	mg/L	0619	02/05/2000	0001	AL	D	0.0004	U		#	0.0004	
	mg/L	0619	02/05/2000	0002	AL	D	0.00044	B		#		
	mg/L	0620	02/03/2000	0001	AL	D	0.001	B	U	#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	0.0014	B	U	#		
	mg/L	0626	02/02/2000	0001	AL	D	0.00097	B	U	#		
	mg/L	0626	02/02/2000	0002	AL	D	0.00095	B	U	#	-	
	mg/L	0628	02/02/2000	0001	AL	D	0.00087	B	U	#	-	
	mg/L	0630	02/02/2000	0001	AL	D	0.0011	B	U	#		
	mg/L	0631	02/07/2000	0001	AL	D	0.0004	U		#	0.0004	
	mg/L	0632	02/07/2000	0001	AL	D	0.0004	U		#	0.0004	
	mg/L	0732	02/05/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0733	02/07/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0734	02/02/2000	0001	AL	N	0.00093	B	UL	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	0.00098	B	U	#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	0.0015	B	U	#	-	-
	mg/L	0766	02/02/2000	0001	AL		0.0012	B	U	#	-	-
	mg/L	0768	02/05/2000	0001	AL		0.00092	B	L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		0.0004	U		#	0.0004	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:14 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Antimony	mg/L	0775	02/02/2000	0001	AL		0.0011	B	U	#	-	-
	mg/L	0779	02/03/2000	0001	AL		0.0013	B	U	#	-	-
	mg/L	0782	02/01/2000	0001	AL		0.00056	B	U	#	-	-
	mg/L	0783	02/01/2000	0001	AL		0.00063	B	U	#	-	-
	mg/L	0784	02/01/2000	0001	AL		0.00065	B	U	#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	0.0006	B	UL	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0854	02/05/2000	0001	AL	N	0.00058	B	L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	0.0011	B	U	#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	0.00082	B	U	#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	0.0008	B	U	#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	0.0015	B	U	#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	0.0023	B	L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	0.0028	B	L	#	-	-
Arsenic	mg/L	0608	02/03/2000	0001	KM	D	0.00048	B		#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	0.0004	U	L	#	0.0004	-
	mg/L	0612	02/03/2000	0001	AL	D	0.00064	B		#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	0.0004	U		#	0.0004	-
	mg/L	0615	02/05/2000	0001	AL	D	0.00059	B		#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	0.00046	B		#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	0.0004	U		#	0.0004	-
	mg/L	0619	02/05/2000	0001	AL	D	0.00061	B		#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	0.00047	B		#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	0.0004	U		#	0.0004	-
	mg/L	0624	02/03/2000	0001	AL	D	0.00058	B		#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	0.0004	U		#	0.0004	-
	mg/L	0626	02/02/2000	0002	AL	D	0.0004	U		#	0.0004	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:14 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Arsenic	mg/L	0628	02/02/2000	0001	AL	D	0.0004	U		#	0.0004	-
	mg/L	0630	02/02/2000	0001	AL	D	0.00067	B		#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	0.0004	U		#	0.0004	-
	mg/L	0632	02/07/2000	0001	AL	D	0.0004	U		#	0.0004	-
	mg/L	0732	02/05/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0733	02/07/2000	0001	AL	N	0.0036	B		#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	0.00046	B	L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	0.00052	B		#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0766	02/02/2000	0001	AL		0.0016	B		#	-	-
	mg/L	0768	02/05/2000	0001	AL		0.00091	B	L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		0.0004	U		#	0.0004	-
	mg/L	0775	02/02/2000	0001	AL		0.0007	B		#	-	-
	mg/L	0779	02/03/2000	0001	AL		0.0004	U		#	0.0004	-
	mg/L	0782	02/01/2000	0001	AL		0.00054	B		#	-	-
	mg/L	0783	02/01/2000	0001	AL		0.0004	U		#	0.0004	-
	mg/L	0784	02/01/2000	0001	AL		0.0039	B		#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	0.00097	B	L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0854	02/05/2000	0001	AL	N	0.00066	B	L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0856	02/02/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0856	02/02/2000	0002	AL	N	0.0004	U		#	0.0004	-
	mg/L	0857	02/03/2000	0001	AL	N	0.00078	B		#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	0.0004	U	L	#	0.0004	-
	mg/L	0863	02/04/2000	0001	KM	N	0.0015	B	L	#	-	-
Cadmium	mg/L	0608	02/03/2000	0001	KM	D	0.00066	B		#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:14 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Cadmium	mg/L	0610	02/03/2000	0001	AL	D	0.00046	B	L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0614	02/03/2000	0001	AL	D	0.00038	B		#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	0.00058	B		#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0617	02/03/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0619	02/05/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0619	02/05/2000	0002	AL	D	0.0003	U		#	0.0003	-
	mg/L	0620	02/03/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0624	02/03/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0626	02/02/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0626	02/02/2000	0002	AL	D	0.0003	U		#	0.0003	-
	mg/L	0628	02/02/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0630	02/02/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0631	02/07/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0632	02/07/2000	0001	AL	D	0.0003	U		#	0.0003	-
	mg/L	0732	02/05/2000	0001	AL	N	0.0003	U	L	#	0.0003	-
	mg/L	0733	02/07/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0734	02/02/2000	0001	AL	N	0.00031	B	L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0736	02/02/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0766	02/02/2000	0001	AL		0.00052	B		#	-	-
	mg/L	0768	02/05/2000	0001	AL		0.0003	U	L	#	0.0003	-
	mg/L	0773	02/05/2000	0001	AL		0.0003	U		#	0.0003	-
	mg/L	0775	02/02/2000	0001	AL		0.0003	U		#	0.0003	-
	mg/L	0779	02/03/2000	0001	AL		0.00051	B		#	-	-
	mg/L	0782	02/01/2000	0001	AL		0.0003	U		#	0.0003	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:14 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Cadmium	mg/L	0783	02/01/2000	0001	AL		0.0003	U		#	0.0003	-
	mg/L	0784	02/01/2000	0001	AL		0.0003	U		#	0.0003	-
	mg/L	0850	02/02/2000	0001	AL	N	0.0003	U	L	#	0.0003	-
	mg/L	0853	02/05/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0854	02/05/2000	0001	AL	N	0.00034	B	L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0856	02/02/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0856	02/02/2000	0002	AL	N	0.0003	U		#	0.0003	-
	mg/L	0857	02/03/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0860	02/04/2000	0001	KM	N	0.0005	B	L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	0.0012		L	#	-	-
Calcium	mg/L	0608	02/03/2000	0001	KM	D	436.000			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	460.000		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	67.600			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	456.000			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	428.000			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	533.000			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	486.000			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	429.000			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	411.000			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	360.000			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	410.000			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	266.000			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	271.000			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	210.000			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	408.000			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	351.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:14 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Calcium	mg/L	0632	02/07/2000	0001	AL	D	351.000			#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	94.900	E	L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	358.000			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	420.000		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	375.000			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	352.000			#	-	-
	mg/L	0766	02/02/2000	0001	AL		422.000			#	-	-
	mg/L	0768	02/05/2000	0001	AL		370.000		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		417.000			#	-	-
	mg/L	0775	02/02/2000	0001	AL		401.000			#	-	-
	mg/L	0779	02/03/2000	0001	AL		473.000			#	-	-
	mg/L	0782	02/01/2000	0001	AL		69.500			#	-	-
	mg/L	0783	02/01/2000	0001	AL		41.100			#	-	-
	mg/L	0784	02/01/2000	0001	AL		108.000			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	213.000		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	354.000			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	428.000		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	292.000			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	271.000			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	276.000			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	307.000			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	54.500		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	66.100		L	#	-	-
Chloride	mg/L	0608	02/03/2000	0001	KM	D	318.000			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	315.000		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	22.700			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	485.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0615	02/05/2000	0001	AL	D	498.000			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	76.200			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	168.000			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	571.000			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	563.000			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	383.000			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	332.000			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	94.300			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	93.900			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	69.400			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	89.700			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	145.000			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	150.000			#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	34.200		L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	109.000			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	306.000		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	367.000			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	279.000			#	-	-
	mg/L	0766	02/02/2000	0001	AL		1310.000			#	-	-
	mg/L	0768	02/05/2000	0001	AL		548.000		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		184.000			#	-	-
	mg/L	0775	02/02/2000	0001	AL		614.000			#	-	-
	mg/L	0779	02/03/2000	0001	AL		298.000			#	-	-
	mg/L	0782	02/01/2000	0001	AL		14.800			#	-	-
	mg/L	0783	02/01/2000	0001	AL		7.390			#	-	-
	mg/L	0784	02/01/2000	0001	AL		22.100			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	102.000		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0853	02/05/2000	0001	AL	N	43.000			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	1320.000		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	102.000			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	92.600			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	92.600			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	64.100			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	3110.000		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	3020.000		L	#	-	-
Fluoride	mg/L	0608	02/03/2000	0001	KM	D	0.674	B		#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	1.280	B	L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	0.876			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	1.420	B		#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	0.775	B		#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	0.552			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	0.268	B		#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	0.649	B		#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	0.725	B		#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	0.570	B		#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	0.466	B		#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	1.210			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	1.180			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	1.650			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	1.530			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	0.477	B		#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	0.392	B		#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	0.361		L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	0.508			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Fluoride	mg/L	0734	02/02/2000	0001	AL	N	1.080		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	0.384	B		#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	0.699	B		#	-	-
	mg/L	0766	02/02/2000	0001	AL		0.945	B		#	-	-
	mg/L	0768	02/05/2000	0001	AL		1.080	B	L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		0.899	B		#	-	-
	mg/L	0775	02/02/2000	0001	AL		1.640	B		#	-	-
	mg/L	0779	02/03/2000	0001	AL		0.677	B		#	-	-
	mg/L	0782	02/01/2000	0001	AL		0.317			#	-	-
	mg/L	0783	02/01/2000	0001	AL		0.314			#	-	-
	mg/L	0784	02/01/2000	0001	AL		0.519			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	0.977		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	0.326	B		#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	0.900	U	L	#	0.9	-
	mg/L	0855	02/02/2000	0001	AL	N	1.530			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	0.578	B		#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	0.579	B		#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	0.351	B		#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	1.280		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	1.220		L	#	-	-
Gross Alpha	pCi/L	0608	02/03/2000	0001	KM	D	1650.63			#	138.21	± 223.
	pCi/L	0610	02/03/2000	0001	AL	D	1094.33		L	#	147.07	± 191.
	pCi/L	0612	02/03/2000	0001	AL	D	32.75			#	7.9	± 8.14
	pCi/L	0614	02/03/2000	0001	AL	D	1707.91			#	186.23	± 266.
	pCi/L	0615	02/05/2000	0001	AL	D	1934.55		J	#	190.1	± 284.
	pCi/L	0616	02/03/2000	0001	AL	D	316.28			#	37.4	± 51.6
	pCi/L	0617	02/03/2000	0001	AL	D	359.97			#	67.07	± 76.5

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Gross Alpha	pCi/L	0619	02/05/2000	0001	AL	D	898.87			#	140.91	± 172.
	pCi/L	0619	02/05/2000	0002	AL	D	680.59		J	#	124.65	± 142.
	pCi/L	0620	02/03/2000	0001	AL	D	587.86			#	105.98	± 122.
	pCi/L	0624	02/03/2000	0001	AL	D	566.61			#	103.64	± 119.
	pCi/L	0626	02/02/2000	0001	AL	D	86.79		J	#	38.6	± 32.2
	pCi/L	0626	02/02/2000	0002	AL	D	72.55		J	#	38.84	± 30.7
	pCi/L	0628	02/02/2000	0001	AL	D	29.0	U	J	#	29.09	± 19.6
	pCi/L	0630	02/02/2000	0001	AL	D	118.87		J	#	45.53	± 39.9
	pCi/L	0631	02/07/2000	0001	AL	D	35.79	U	J	#	35.79	± 20.0
	pCi/L	0632	02/07/2000	0001	AL	D	28.56		UJ	#	27.29	± 19.5
	pCi/L	0732	02/05/2000	0001	AL	N	9.3	U	L	#	9.32	± 5.80
	pCi/L	0733	02/07/2000	0001	AL	N	63.03	U	J	#	63.03	± 44.2
	pCi/L	0734	02/02/2000	0001	AL	N	170.47		JL	#	90.24	± 71.6
	pCi/L	0735	02/03/2000	0001	AL	N	189.28			#	94.26	± 76.0
	pCi/L	0736	02/02/2000	0001	AL	N	291.19		J	#	113.9	± 99.2
	pCi/L	0766	02/02/2000	0001	AL		2236.94		J	#	289.58	± 384.
	pCi/L	0768	02/05/2000	0001	AL		506.08		L	#	171.92	± 156.
	pCi/L	0773	02/05/2000	0001	AL		539.28		J	#	79.26	± 99.6
	pCi/L	0775	02/02/2000	0001	AL		1357.55			#	174.17	± 233.
	pCi/L	0779	02/03/2000	0001	AL		657.19			#	88.03	± 115.
	pCi/L	0782	02/01/2000	0001	AL		4.07	U	J	#	4.07	± 2.62
	pCi/L	0783	02/01/2000	0001	AL		4.87		J	#	3.67	± 2.65
	pCi/L	0784	02/01/2000	0001	AL		7.21	U	J	#	7.21	± 4.09
	pCi/L	0850	02/02/2000	0001	AL	N	27.42	U	L	#	27.42	± 15.8
	pCi/L	0853	02/05/2000	0001	AL	N	148.57		J	#	22.01	± 27.5
	pCi/L	0854	02/05/2000	0001	AL	N	2468.99		L	#	294.4	± 404.
	pCi/L	0855	02/02/2000	0001	AL	N	68.02		J	#	38.4	± 29.9

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Gross Alpha	pCi/L	0856	02/02/2000	0001	AL	N	71.42		J	#	38.28	± 30.2
	pCi/L	0856	02/02/2000	0002	AL	N	94.37		J	#	38.36	± 33.0
	pCi/L	0857	02/03/2000	0001	AL	N	124.34			#	27.07	± 29.0
Gross Beta	pCi/L	0608	02/03/2000	0001	KM	D	725.22			#	159.49	± 125.
	pCi/L	0610	02/03/2000	0001	AL	D	657.27		L	#	157.36	± 121.
	pCi/L	0612	02/03/2000	0001	AL	D	22.48			#	7.83	± 5.80
	pCi/L	0614	02/03/2000	0001	AL	D	860.96			#	210.2	± 161.
	pCi/L	0615	02/05/2000	0001	AL	D	1111.8			#	210.8	± 172.
	pCi/L	0616	02/03/2000	0001	AL	D	169.76			#	41.92	± 32.0
	pCi/L	0617	02/03/2000	0001	AL	D	206.26			#	77.08	± 54.3
	pCi/L	0619	02/05/2000	0001	AL	D	568.05			#	155.37	± 116.
	pCi/L	0619	02/05/2000	0002	AL	D	566.04			#	152.55	± 114.
	pCi/L	0620	02/03/2000	0001	AL	D	257.34			#	123.31	± 83.4
	pCi/L	0624	02/03/2000	0001	AL	D	322.42			#	122.9	± 86.3
	pCi/L	0626	02/02/2000	0001	AL	D	57.01			#	40.87	± 26.3
	pCi/L	0626	02/02/2000	0002	AL	D	40.85	U		#	40.85	± 25.3
	pCi/L	0628	02/02/2000	0001	AL	D	30.53	U		#	30.53	± 18.0
	pCi/L	0630	02/02/2000	0001	AL	D	50.82	U		#	50.82	± 31.2
	pCi/L	0631	02/07/2000	0001	AL	D	40.14	U		#	40.14	± 24.1
	pCi/L	0632	02/07/2000	0001	AL	D	31.44	U		#	31.44	± 19.3
	pCi/L	0732	02/05/2000	0001	AL	N	10.10	U	L	#	10.1	± 6.26
	pCi/L	0733	02/07/2000	0001	AL	N	111.21	U		#	111.21	± 66.7
	pCi/L	0734	02/02/2000	0001	AL	N	101.2	U	L	#	101.25	± 58.6
	pCi/L	0735	02/03/2000	0001	AL	N	118.8			#	101.86	± 64.3
	pCi/L	0736	02/02/2000	0001	AL	N	123.44			#	122.57	± 76.4
	pCi/L	0766	02/02/2000	0001	AL		1159.67			#	313.68	± 235.
	pCi/L	0768	02/05/2000	0001	AL		519.25		L	#	201.96	± 141.

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Gross Beta	pCi/L	0773	02/05/2000	0001	AL		335.86			#	88.77	± 67.0
	pCi/L	0775	02/02/2000	0001	AL		551.51			#	207.35	± 145.
	pCi/L	0779	02/03/2000	0001	AL		397.72			#	103.57	± 78.4
	pCi/L	0782	02/01/2000	0001	AL		4.09	U		#	4.09	± 2.54
	pCi/L	0783	02/01/2000	0001	AL		4.05	U		#	4.05	± 2.51
	pCi/L	0784	02/01/2000	0001	AL		6.31	U		#	6.31	± 3.76
	pCi/L	0850	02/02/2000	0001	AL	N	30.21	U	L	#	30.21	± 17.8
	pCi/L	0853	02/05/2000	0001	AL	N	96.37			#	24.82	± 18.8
	pCi/L	0854	02/05/2000	0001	AL	N	1407.94		L	#	315.12	± 247.
	pCi/L	0855	02/02/2000	0001	AL	N	40.78	U		#	40.78	± 25.0
	pCi/L	0856	02/02/2000	0001	AL	N	40.77	U		#	40.77	± 25.4
	pCi/L	0856	02/02/2000	0002	AL	N	40.90	U		#	40.9	± 25.3
	pCi/L	0857	02/03/2000	0001	AL	N	80.75			#	30.75	± 21.6
Iron	mg/L	0608	02/03/2000	0001	KM	D	0.0144	U		#	0.0144	-
	mg/L	0610	02/03/2000	0001	AL	D	0.0144	U	L	#	0.0144	-
	mg/L	0612	02/03/2000	0001	AL	D	0.491			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	0.0144	U		#	0.0144	-
	mg/L	0615	02/05/2000	0001	AL	D	0.0144	U		#	0.0144	-
	mg/L	0616	02/03/2000	0001	AL	D	0.0144	U		#	0.0144	-
	mg/L	0617	02/03/2000	0001	AL	D	0.0144	U		#	0.0144	-
	mg/L	0619	02/05/2000	0001	AL	D	0.0144	U		#	0.0144	-
	mg/L	0619	02/05/2000	0002	AL	D	0.0144	U		#	0.0144	-
	mg/L	0620	02/03/2000	0001	AL	D	0.0144	U		#	0.0144	-
	mg/L	0624	02/03/2000	0001	AL	D	0.0144	U		#	0.0144	-
	mg/L	0626	02/02/2000	0001	AL	D	0.0144	U		#	0.0144	-
	mg/L	0626	02/02/2000	0002	AL	D	0.0144	U		#	0.0144	-
	mg/L	0628	02/02/2000	0001	AL	D	0.110		U	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Iron	mg/L	0630	02/02/2000	0001	AL	D	0.0144	U		#	0.0144	-
	mg/L	0631	02/07/2000	0001	AL	D	0.301			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	0.0512			#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	0.0144	U	L	#	0.0144	-
	mg/L	0733	02/07/2000	0001	AL	N	3.530			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	0.0144	U	L	#	0.0144	-
	mg/L	0735	02/03/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0736	02/02/2000	0001	AL	N	0.0484		U	#	-	-
	mg/L	0766	02/02/2000	0001	AL		0.0144	U		#	0.0144	-
	mg/L	0768	02/05/2000	0001	AL		0.0257	B	L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		0.0144	U		#	0.0144	-
	mg/L	0775	02/02/2000	0001	AL		0.0144	U		#	0.0144	-
	mg/L	0779	02/03/2000	0001	AL		0.0144	U		#	0.0144	-
	mg/L	0782	02/01/2000	0001	AL		0.0144	U		#	0.0144	-
	mg/L	0783	02/01/2000	0001	AL		0.0144	U		#	0.0144	-
	mg/L	0784	02/01/2000	0001	AL		4.860			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	0.0144	U	L	#	0.0144	-
	mg/L	0853	02/05/2000	0001	AL	N	0.769			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	0.0144	U	L	#	0.0144	-
	mg/L	0855	02/02/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0856	02/02/2000	0001	AL	N	0.0475			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	0.0394		U	#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	0.713			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	0.0144	U	L	#	0.0144	-
	mg/L	0863	02/04/2000	0001	KM	N	0.096		L	#	-	-
Magnesium	mg/L	0608	02/03/2000	0001	KM	D	1800.000			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	1820.000		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0612	02/03/2000	0001	AL	D	46.700			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	2410.000			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	2100.000			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	268.000			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	643.000			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	1210.000			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	1220.000			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	981.000			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	768.000			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	83.500			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	83.800			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	35.900			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	128.000			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	236.000			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	244.000			#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	53.900		L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	237.000			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	656.000		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	814.000			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	740.000			#	-	-
	mg/L	0766	02/02/2000	0001	AL		3110.000			#	-	-
	mg/L	0768	02/05/2000	0001	AL		1180.000		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		911.000			#	-	-
	mg/L	0775	02/02/2000	0001	AL		1580.000			#	-	-
	mg/L	0779	02/03/2000	0001	AL		764.000			#	-	-
	mg/L	0782	02/01/2000	0001	AL		15.200			#	-	-
	mg/L	0783	02/01/2000	0001	AL		17.400			#		

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0784	02/01/2000	0001	AL		36.700			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	39.500		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	129.000			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	3440.000		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	112.000			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	104.000			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	105.000			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	183.000			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	16.100		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	24.300		L	#	-	-
Manganese	mg/L	0608	02/03/2000	0001	KM	D	8.140			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	3.160		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	1.280			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	5.670			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	7.680			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	1.150			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	6.810			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	5.450			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	5.290			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	1.880			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	4.140			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	1.460			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	1.450			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	1.860			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	0.622			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	4.410			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	4.340			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Manganese	mg/L	0732	02/05/2000	0001	AL	N	0.0014	B	L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	3.110			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	1.760		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	3.540			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	2.720			#	-	-
	mg/L	0766	02/02/2000	0001	AL		3.360			#	-	-
	mg/L	0768	02/05/2000	0001	AL		3.400		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		0.389			#	-	-
	mg/L	0775	02/02/2000	0001	AL		0.290			#	-	-
	mg/L	0779	02/03/2000	0001	AL		6.230			#	-	-
	mg/L	0782	02/01/2000	0001	AL		2.330			#	-	-
	mg/L	0783	02/01/2000	0001	AL		0.101			#	-	-
	mg/L	0784	02/01/2000	0001	AL		6.040			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	1.720		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	1.860			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	10.400		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	2.220			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	1.380			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	1.440			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	3.190			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	0.332		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	0.574		L	#	-	-
Molybdenum	mg/L	0608	02/03/2000	0001	KM	D	0.0051	B		#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	0.0083	B	L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	0.007	B		#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	0.0106			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	0.0063	B		#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Molybdenum	mg/L	0616	02/03/2000	0001	AL	D	0.0037	B	U	#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	0.0035	B	U	#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	0.0134			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	0.0136			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	0.0088	B		#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	0.0107			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	0.0077	BE	J	#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	0.0076	BE	J	#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	0.0073	BE	J	#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	0.0076	BE	J	#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	0.0068	B		#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	0.0039	B		#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	0.0032	B	JL	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	0.0038	B		#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	0.0107	E	JL	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	0.0054	B		#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	0.0117	E	J	#	-	-
	mg/L	0766	02/02/2000	0001	AL		0.0094	BE	J	#	-	-
	mg/L	0768	02/05/2000	0001	AL		0.042		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		0.0037	B		#	-	-
	mg/L	0775	02/02/2000	0001	AL		0.029	E	J	#	-	-
	mg/L	0779	02/03/2000	0001	AL		0.0115			#	-	-
	mg/L	0782	02/01/2000	0001	AL		0.0045	BE		#	-	-
	mg/L	0783	02/01/2000	0001	AL		0.0075	BE		#	-	-
	mg/L	0784	02/01/2000	0001	AL		0.0066	BE	J	#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	0.010		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	0.0039	B		#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Molybdenum	mg/L	0854	02/05/2000	0001	AL	N	0.0076	B	L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	0.0155	E	J	#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	0.0137	E	J	#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	0.0135	E	J	#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	0.0065	B		#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	0.121		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	0.349		L	#	-	-
Nitrate	mg/L	0608	02/03/2000	0001	KM	D	2320.000			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	2910.000		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	0.135	B		#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	3480.000			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	2960.000			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	73.400			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	796.000			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	126.000			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	130.000			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	155.000			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	176.000			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	10.500			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	11.300			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	0.228	B		#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	77.300			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	0.0822	B		#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	0.154	B		#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	31.300		L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	0.010	U		#	0.01	-
	mg/L	0734	02/02/2000	0001	AL	N	211.000		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Nitrate	mg/L	0735	02/03/2000	0001	AL	N	1940.000			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	0.140	B		#	-	-
	mg/L	0766	02/02/2000	0001	AL		1180.000			#	-	-
	mg/L	0768	02/05/2000	0001	AL		32.900		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		1490.000			#	-	-
	mg/L	0775	02/02/2000	0001	AL		1070.000			#	-	-
	mg/L	0779	02/03/2000	0001	AL		157.000			#	-	-
	mg/L	0782	02/01/2000	0001	AL		0.113	B		#	-	-
	mg/L	0783	02/01/2000	0001	AL		0.160	B		#	-	-
	mg/L	0784	02/01/2000	0001	AL		0.228	B		#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	0.0321	B	L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	0.050	B		#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	2050.000		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	39.600			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	0.0342	B	U	#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	0.142	B		#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	0.219	B		#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	32.200		L	#	-	-
	mg/L	0862	02/04/2000	0001	KM	N	14.300		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	34.400		L	#	-	-
pH	s.u.	0608	02/03/2000	N001	KM	D	6.73			#	-	-
	s.u.	0610	02/03/2000	N001	AL	D	7.13		L	#	-	-
	s.u.	0612	02/03/2000	N001	AL	D	7.58			#	-	-
	s.u.	0614	02/03/2000	N001	AL	D	7.09			#	-	-
	s.u.	0615	02/05/2000	N001	AL	D	7			#	-	-
	s.u.	0616	02/03/2000	N001	AL	D	7.18			#	-	-
	s.u.	0617	02/03/2000	N001	AL	D	7.01			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0619	02/05/2000	N001	AL	D	7.11			#	-	-
	s.u.	0620	02/03/2000	N001	AL	D	7.02			#	-	-
	s.u.	0624	02/03/2000	N001	AL	D	7.18			#	-	-
	s.u.	0626	02/02/2000	N001	AL	D	7.36			#	-	-
	s.u.	0628	02/02/2000	N001	AL	D	7.72			#	-	-
	s.u.	0630	02/02/2000	N001	AL	D	7.32			#	-	-
	s.u.	0631	02/07/2000	N001	AL	D	6.93			#	-	-
	s.u.	0632	02/07/2000	N001	AL	D	6.96			#	-	-
	s.u.	0732	02/05/2000	N001	AL	N	7.5		L	#	-	-
	s.u.	0733	02/07/2000	N001	AL	N	6.97			#	-	-
	s.u.	0734	02/02/2000	N001	AL	N	7.47		L	#	-	-
	s.u.	0735	02/03/2000	N001	AL	N	7.29			#	-	-
	s.u.	0736	02/02/2000	N001	AL	N	7.56			#	-	-
	s.u.	0766	02/02/2000	N001	AL		7.48			#	-	-
	s.u.	0768	02/05/2000	N001	AL		7.45		L	#	-	-
	s.u.	0773	02/05/2000	N001	AL		7.11			#	-	-
	s.u.	0775	02/02/2000	N001	AL		7.67			#	-	-
	s.u.	0779	02/03/2000	N001	AL		7.3			#	-	-
	s.u.	0782	02/01/2000	N001	AL		7.39			#	-	-
	s.u.	0783	02/01/2000	N001	AL		7.73			#	-	-
	s.u.	0784	02/01/2000	N001	AL		7.41			#	-	-
	s.u.	0850	02/02/2000	N001	AL	N	7.28		L	#	-	-
	s.u.	0853	02/05/2000	N001	AL	N	7.16			#	-	-
	s.u.	0854	02/05/2000	N001	AL	N	7.32		L	#	-	-
	s.u.	0855	02/02/2000	N001	AL	N	7.53			#	-	-
	s.u.	0856	02/02/2000	N001	AL	N	7.51			#	-	-
	s.u.	0857	02/03/2000	N001	AL	N	7.31			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0860	02/04/2000	N001	KM	N	6.93		L	#	-	-
	s.u.	0862	02/04/2000	N001	KM	N	7.02		L	#	-	-
	s.u.	0863	02/04/2000	N001	KM	N	6.97		L	#	-	-
Polonium-210	pCi/L	0608	02/03/2000	0001	KM	D	0	U		#	0.12	± 0.11
	pCi/L	0610	02/03/2000	0001	AL	D	0.23	U	L	#	0.23	± 0.23
	pCi/L	0612	02/03/2000	0001	AL	D	0.58	U		#	0.58	± 0.62
	pCi/L	0614	02/03/2000	0001	AL	D	0.14	U		#	0.14	± 0.14
	pCi/L	0615	02/05/2000	0001	AL	D	0.07	U		#	0.07	± 0.09
	pCi/L	0616	02/03/2000	0001	AL	D	0.18	U		#	0.18	± 0.20
	pCi/L	0617	02/03/2000	0001	AL	D	0.16	U		#	0.16	± 0.15
	pCi/L	0619	02/05/2000	0001	AL	D	0.14		U	#	0.13	± 0.18
	pCi/L	0619	02/05/2000	0002	AL	D	0.11	U		#	0.11	± 0.12
	pCi/L	0620	02/03/2000	0001	AL	D	0.12	U		#	0.12	± 0.14
	pCi/L	0624	02/03/2000	0001	AL	D	0.08	U		#	0.08	± 0.10
	pCi/L	0626	02/02/2000	0001	AL	D	0.14	U		#	0.14	± 0.14
	pCi/L	0626	02/02/2000	0002	AL	D	0.12	U		#	0.12	± 0.13
	pCi/L	0628	02/02/2000	0001	AL	D	0.10	U		#	0.1	± 0.11
	pCi/L	0630	02/02/2000	0001	AL	D	0.21	U		#	0.21	± -0.19
	pCi/L	0631	02/07/2000	0001	AL	D	0.10	U		#	0.1	± 0.10
	pCi/L	0632	02/07/2000	0001	AL	D	0.18	U		#	0.18	± 0.17
	pCi/L	0732	02/05/2000	0001	AL	N	0.19	U	L	#	0.19	± 0.20
	pCi/L	0733	02/07/2000	0001	AL	N	0.16	U		#	0.16	± -0.14
	pCi/L	0734	02/02/2000	0001	AL	N	0.18	U	L	#	0.18	± -0.14
	pCi/L	0735	02/03/2000	0001	AL	N	0.16	U		#	0.16	± 0.16
	pCi/L	0736	02/02/2000	0001	AL	N	0.14	U		#	0.14	± 0.16
	pCi/L	0766	02/02/2000	0001	AL		0.22	U		#	0.22	± -0.20
	pCi/L	0768	02/05/2000	0001	AL		0.15	U	L	#	0.15	± -0.13

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Polonium-210	pCi/L	0773	02/05/2000	0001	AL		0.13	U		#	0.13	± 0.14
	pCi/L	0775	02/02/2000	0001	AL		0.19	U		#	0.19	± 0.19
	pCi/L	0779	02/03/2000	0001	AL		0.20	U		#	0.2	± -0.18
	pCi/L	0782	02/01/2000	0001	AL		0.15	U		#	0.15	± 0.14
	pCi/L	0783	02/01/2000	0001	AL		0	U		#	0.11	± -0.09
	pCi/L	0784	02/01/2000	0001	AL		0.27	U		#	0.27	± -0.21
	pCi/L	0850	02/02/2000	0001	AL	N	0.17	U	L	#	0.17	± -0.15
	pCi/L	0853	02/05/2000	0001	AL	N	0.15	U		#	0.15	± 0.15
	pCi/L	0854	02/05/2000	0001	AL	N	0.16		UL	#	0.15	± 0.20
	pCi/L	0855	02/02/2000	0001	AL	N	0.18	U		#	0.18	± 0.18
	pCi/L	0856	02/02/2000	0001	AL	N	0.16	U		#	0.16	± 0.15
	pCi/L	0856	02/02/2000	0002	AL	N	0.16	U		#	0.16	± 0.15
	pCi/L	0857	02/03/2000	0001	AL	N	0.17	U		#	0.17	± 0.21
Potassium	mg/L	0608	02/03/2000	0001	KM	D	167.000			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	122.000		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	7.100			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	134.000			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	125.000			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	37.900			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	58.000			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	77.100			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	72.000			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	45.000			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	48.600			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	15.900			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	14.900			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	10.500			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Potassium	mg/L	0630	02/02/2000	0001	AL	D	11.300			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	9.170			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	9.540			#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	3.730		L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	5.850			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	19.300		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	34.200			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	45.100			#	-	-
	mg/L	0766	02/02/2000	0001	AL		146.000			#	-	-
	mg/L	0768	02/05/2000	0001	AL		77.000		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		60.100			#	-	-
	mg/L	0775	02/02/2000	0001	AL		84.300			#	-	-
	mg/L	0779	02/03/2000	0001	AL		43.400			#	-	-
	mg/L	0782	02/01/2000	0001	AL		2.090			#	-	-
	mg/L	0783	02/01/2000	0001	AL		1.620			#	-	-
	mg/L	0784	02/01/2000	0001	AL		2.740			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	5.280		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	20.100			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	118.000		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	11.900			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	17.700			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	17.700			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	19.500			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	11.100		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	43.700		L	#	-	-
Radium-226	pCi/L	0608	02/03/2000	0001	KM	D	0.17	U		#	0.17	± 0.10
	pCi/L	0610	02/03/2000	0001	AL	D	0	U	L	#	0.13	± 0.07

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Radium-226	pCi/L	0612	02/03/2000	0001	AL	D	0.13	U		#	0.13	± 0.07
	pCi/L	0614	02/03/2000	0001	AL	D	0.15	U		#	0.15	± 0.08
	pCi/L	0615	02/05/2000	0001	AL	D	0.14	U		#	0.14	± 0.08
	pCi/L	0616	02/03/2000	0001	AL	D	0.13	U		#	0.13	± 0.07
	pCi/L	0617	02/03/2000	0001	AL	D	0.14	U		#	0.14	± 0.08
	pCi/L	0619	02/05/2000	0001	AL	D	0.12	U		#	0.12	± 0.07
	pCi/L	0619	02/05/2000	0002	AL	D	0.14	U		#	0.14	± 0.08
	pCi/L	0620	02/03/2000	0001	AL	D	0.14	U		#	0.14	± 0.08
	pCi/L	0624	02/03/2000	0001	AL	D	0.15	U		#	0.15	± 0.08
	pCi/L	0626	02/02/2000	0001	AL	D	0.14	U		#	0.14	± 0.08
	pCi/L	0626	02/02/2000	0002	AL	D	0.16	U		#	0.16	± 0.09
	pCi/L	0628	02/02/2000	0001	AL	D	0.15	U		#	0.15	± 0.08
	pCi/L	0630	02/02/2000	0001	AL	D	0.14	U		#	0.14	± 0.08
	pCi/L	0631	02/07/2000	0001	AL	D	0.12	U		#	0.12	± 0.07
	pCi/L	0632	02/07/2000	0001	AL	D	0.12	U		#	0.12	± 0.07
	pCi/L	0732	02/05/2000	0001	AL	N	0.12	U	L	#	0.12	± 0.07
	pCi/L	0733	02/07/2000	0001	AL	N	0.13	U		#	0.13	± 0.08
	pCi/L	0734	02/02/2000	0001	AL	N	0.15	U	L	#	0.15	± 0.08
	pCi/L	0735	02/03/2000	0001	AL	N	0.14	U		#	0.14	± 0.08
	pCi/L	0736	02/02/2000	0001	AL	N	0.15	U		#	0.15	± 0.08
	pCi/L	0766	02/02/2000	0001	AL		0.18			#	0.16	± 0.10
	pCi/L	0768	02/05/2000	0001	AL		0.13	U	L	#	0.13	± 0.08
	pCi/L	0773	02/05/2000	0001	AL		0.13	U		#	0.13	± 0.08
	pCi/L	0775	02/02/2000	0001	AL		0.13	U		#	0.13	± 0.08
	pCi/L	0779	02/03/2000	0001	AL		0.13	U		#	0.13	± 0.07
	pCi/L	0782	02/01/2000	0001	AL		0.14	U		#	0.14	± 0.08
	pCi/L	0783	02/01/2000	0001	AL		0.14	U		#	0.14	± 0.08

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW. REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Radium-226	pCi/L	0784	02/01/2000	0001	AL		0.16	U		#	0.16	± 0.09
	pCi/L	0850	02/02/2000	0001	AL	N	0.12	U	L	#	0.12	± 0.07
	pCi/L	0853	02/05/2000	0001	AL	N	0.1	U		#	0.13	± 0.08
	pCi/L	0854	02/05/2000	0001	AL	N	0.14	U	L	#	0.14	± 0.08
	pCi/L	0855	02/02/2000	0001	AL	N	0.14	U		#	0.14	± 0.08
	pCi/L	0856	02/02/2000	0001	AL	N	0.14	U		#	0.14	± 0.08
	pCi/L	0856	02/02/2000	0002	AL	N	0.13	U		#	0.13	± 0.08
	pCi/L	0857	02/03/2000	0001	AL	N	0.13	U		#	0.13	± 0.08
Radium-228	pCi/L	0608	02/03/2000	0001	KM	D	0.98	U		#	0.98	± 0.58
	pCi/L	0610	02/03/2000	0001	AL	D	0.74	U	L	#	0.74	± 0.43
	pCi/L	0612	02/03/2000	0001	AL	D	0.75	U		#	0.75	± 0.44
	pCi/L	0614	02/03/2000	0001	AL	D	0.78	U		#	0.78	± 0.47
	pCi/L	0615	02/05/2000	0001	AL	D	1.1			#	0.79	± 0.49
	pCi/L	0616	02/03/2000	0001	AL	D	0.74	U		#	0.74	± 0.43
	pCi/L	0617	02/03/2000	0001	AL	D	0.7	U		#	0.74	± 0.44
	pCi/L	0619	02/05/2000	0001	AL	D	0.78	U		#	0.78	± 0.47
	pCi/L	0619	02/05/2000	0002	AL	D	0.79	U		#	0.79	± 0.47
	pCi/L	0620	02/03/2000	0001	AL	D	0.74	U		#	0.74	± 0.45
	pCi/L	0624	02/03/2000	0001	AL	D	0.87			#	0.74	± 0.45
	pCi/L	0626	02/02/2000	0001	AL	D	0.83	U		#	0.83	± 0.49
	pCi/L	0626	02/02/2000	0002	AL	D	0.90	U		#	0.9	± 0.53
	pCi/L	0628	02/02/2000	0001	AL	D	0.83	U		#	0.83	± 0.50
	pCi/L	0630	02/02/2000	0001	AL	D	0.81	U		#	0.81	± 0.48
	pCi/L	0631	02/07/2000	0001	AL	D	0.78	U		#	0.78	± 0.46
	pCi/L	0632	02/07/2000	0001	AL	D	0.77	U		#	0.77	± 0.45
	pCi/L	0732	02/05/2000	0001	AL	N	0.79	U	L	#	0.79	± 0.46
	pCi/L	0733	02/07/2000	0001	AL	N	0.79	U		#	0.79	± 0.47

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Radium-228	pCi/L	0734	02/02/2000	0001	AL	N	0.83	U	L	#	0.83	± 0.49
	pCi/L	0735	02/03/2000	0001	AL	N	0.7	U		#	0.76	± 0.45
	pCi/L	0736	02/02/2000	0001	AL	N	0.88	U		#	0.88	± 0.52
	pCi/L	0766	02/02/2000	0001	AL		0.91	U		#	0.91	± 0.54
	pCi/L	0768	02/05/2000	0001	AL		0.81	U	L	#	0.81	± 0.47
	pCi/L	0773	02/05/2000	0001	AL		0.77	U		#	0.77	± 0.45
	pCi/L	0775	02/02/2000	0001	AL		0.73	U		#	0.73	± 0.43
	pCi/L	0779	02/03/2000	0001	AL		0.76	U		#	0.76	± 0.44
	pCi/L	0782	02/01/2000	0001	AL		0.79	U		#	0.79	± 0.47
	pCi/L	0783	02/01/2000	0001	AL		0.83	U		#	0.83	± 0.49
	pCi/L	0784	02/01/2000	0001	AL		0.86	U		#	0.86	± 0.51
	pCi/L	0850	02/02/2000	0001	AL	N	0.73	U	L	#	0.73	± 0.43
	pCi/L	0853	02/05/2000	0001	AL	N	0.77	U		#	0.77	± 0.45
	pCi/L	0854	02/05/2000	0001	AL	N	0.78	U	L	#	0.78	± 0.47
	pCi/L	0855	02/02/2000	0001	AL	N	0.81	U		#	0.81	± 0.47
	pCi/L	0856	02/02/2000	0001	AL	N	0.76			#	0.75	± 0.46
	pCi/L	0856	02/02/2000	0002	AL	N	0.76	U		#	0.76	± 0.45
	pCi/L	0857	02/03/2000	0001	AL	N	0.76	U		#	0.76	± 0.45
Redox Potential	mV	0608	02/03/2000	N001	KM	D	184			#	-	-
	mV	0610	02/03/2000	N001	AL	D	192		L	#	-	-
	mV	0612	02/03/2000	N001	AL	D	-194			#	-	-
	mV	0614	02/03/2000	N001	AL	D	173			#	-	-
	mV	0615	02/05/2000	N001	AL	D	229			#	-	-
	mV	0616	02/03/2000	N001	AL	D	164			#	-	-
	mV	0617	02/03/2000	N001	AL	D	204			#	-	-
	mV	0619	02/05/2000	N001	AL	D	237			#	-	-
	mV	0620	02/03/2000	N001	AL	D	227			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Redox Potential	mV	0624	02/03/2000	N001	AL	D	154			#	-	-
	mV	0626	02/02/2000	N001	AL	D	161			#	-	-
	mV	0628	02/02/2000	N001	AL	D	96			#	-	-
	mV	0630	02/02/2000	N001	AL	D	187			#	-	-
	mV	0631	02/07/2000	N001	AL	D	44			#	-	-
	mV	0632	02/07/2000	N001	AL	D	34			#	-	-
	mV	0732	02/05/2000	N001	AL	N	76		L	#	-	-
	mV	0733	02/07/2000	N001	AL	N	-78			#	-	-
	mV	0734	02/02/2000	N001	AL	N	261		L	#	-	-
	mV	0735	02/03/2000	N001	AL	N	175			#	-	-
	mV	0736	02/02/2000	N001	AL	N	126			#	-	-
	mV	0766	02/02/2000	N001	AL		192			#	-	-
	mV	0768	02/05/2000	N001	AL		208		L	#	-	-
	mV	0773	02/05/2000	N001	AL		28			#	-	-
	mV	0775	02/02/2000	N001	AL		228			#	-	-
	mV	0779	02/03/2000	N001	AL		129			#	-	-
	mV	0782	02/01/2000	N001	AL		234			#	-	-
	mV	0783	02/01/2000	N001	AL		178			#	-	-
	mV	0784	02/01/2000	N001	AL		-45			#	-	-
	mV	0850	02/02/2000	N001	AL	N	46		L	#	-	-
	mV	0853	02/05/2000	N001	AL	N	-23			#	-	-
	mV	0854	02/05/2000	N001	AL	N	214		L	#	-	-
	mV	0855	02/02/2000	N001	AL	N	147			#	-	-
	mV	0856	02/02/2000	N001	AL	N	164			#	-	-
	mV	0857	02/03/2000	N001	AL	N	-21			#	-	-
	mV	0860	02/04/2000	N001	KM	N	111		L	#	-	-
	mV	0862	02/04/2000	N001	KM	N	131		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Redox Potential	mV	0863	02/04/2000	N001	KM	N	153		L	#	-	-
Selenium	mg/L	0608	02/03/2000	0001	KM	D	0.0077			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	0.0177		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	0.00012	B	U	#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	0.0662			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	1.040			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	0.0612			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	0.0706			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	0.468			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	0.481			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	0.159			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	0.181			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	0.0364			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	0.0366			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	0.0092			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	0.123			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	0.0001	U		#	0.0001	-
	mg/L	0632	02/07/2000	0001	AL	D	0.0001	U		#	0.0001	-
	mg/L	0732	02/05/2000	0001	AL	N	0.0038	B	L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	0.0001	U		#	0.0001	-
	mg/L	0734	02/02/2000	0001	AL	N	0.114		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	0.0812			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	0.0012	B		#	-	-
	mg/L	0766	02/02/2000	0001	AL		0.0035	B		#	-	-
	mg/L	0768	02/05/2000	0001	AL		0.134		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		0.0122			#	-	-
	mg/L	0775	02/02/2000	0001	AL		0.0246			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Selenium	mg/L	0779	02/03/2000	0001	AL		0.001	B		#	-	-
	mg/L	0782	02/01/2000	0001	AL		0.0001	U		#	0.0001	-
	mg/L	0783	02/01/2000	0001	AL		0.00041	B	U	#	-	-
	mg/L	0784	02/01/2000	0001	AL		0.00015	B	U	#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	0.0004	B	UL	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	0.00015	B		#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	0.0054		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	0.0784			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	0.00078	B		#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	0.00065	B		#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	0.00026	B	U	#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	0.00099	B	L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	0.00072	B	L	#	-	-
Sodium	mg/L	0608	02/03/2000	0001	KM	D	1900.000			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	2180.000		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	143.000			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	2670.000			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	3140.000			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	444.000			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	921.000			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	3160.000			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	3170.000			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	1940.000			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	2000.000			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	1160.000			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	1170.000			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	936.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0630	02/02/2000	0001	AL	D	1150.000			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	618.000			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	632.000			#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	164.000		L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	444.000			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	2070.000		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	2070.000			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	3220.000			#	-	-
	mg/L	0766	02/02/2000	0001	AL		6400.000			#	-	-
	mg/L	0768	02/05/2000	0001	AL		3810.000		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		1030.000			#	-	-
	mg/L	0775	02/02/2000	0001	AL		3330.000			#	-	-
	mg/L	0779	02/03/2000	0001	AL		1380.000			#	-	-
	mg/L	0782	02/01/2000	0001	AL		49.000			#	-	-
	mg/L	0783	02/01/2000	0001	AL		51.500			#	-	-
	mg/L	0784	02/01/2000	0001	AL		90.000			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	812.000		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	218.000			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	6230.000		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	1130.000			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	1120.000			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	1130.000			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	377.000			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	2830.000		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	2750.000		L	#	-	-
Specific Conductance	umhos/cm	0608	02/03/2000	N001	KM	D	17560			#	-	-
	umhos/cm	0610	02/03/2000	N001	AL	D	15580		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0612	02/03/2000	N001	AL	D	1321			#	-	-
	umhos/cm	0614	02/03/2000	N001	AL	D	20300			#	-	-
	umhos/cm	0615	02/05/2000	N001	AL	D	17490			#	-	-
	umhos/cm	0616	02/03/2000	N001	AL	D	4910			#	-	-
	umhos/cm	0617	02/03/2000	N001	AL	D	8290			#	-	-
	umhos/cm	0619	02/05/2000	N001	AL	D	14680			#	-	-
	umhos/cm	0620	02/03/2000	N001	AL	D	10930			#	-	-
	umhos/cm	0624	02/03/2000	N001	AL	D	11780			#	-	-
	umhos/cm	0626	02/02/2000	N001	AL	D	6050			#	-	-
	umhos/cm	0628	02/02/2000	N001	AL	D	4970			#	-	-
	umhos/cm	0630	02/02/2000	N001	AL	D	6670			#	-	-
	umhos/cm	0631	02/07/2000	N001	AL	D	4050			#	-	-
	umhos/cm	0632	02/07/2000	N001	AL	D	3910			#	-	-
	umhos/cm	0732	02/05/2000	N001	AL	N	1551		L	#	-	-
	umhos/cm	0733	02/07/2000	N001	AL	N	4010			#	-	-
	umhos/cm	0734	02/02/2000	N001	AL	N	12630		L	#	-	-
	umhos/cm	0735	02/03/2000	N001	AL	N	13210			#	-	-
	umhos/cm	0736	02/02/2000	N001	AL	N	15040			#	-	-
	umhos/cm	0766	02/02/2000	N001	AL		29500			#	-	-
	umhos/cm	0768	02/05/2000	N001	AL		15480		L	#	-	-
	umhos/cm	0773	02/05/2000	N001	AL		8660			#	-	-
	umhos/cm	0775	02/02/2000	N001	AL		18690			#	-	-
	umhos/cm	0779	02/03/2000	N001	AL		10200			#	-	-
	umhos/cm	0782	02/01/2000	N001	AL		688			#	-	-
	umhos/cm	0783	02/01/2000	N001	AL		582			#	-	-
	umhos/cm	0784	02/01/2000	N001	AL		1181			#	-	-
	umhos/cm	0850	02/02/2000	N001	AL	N	4040		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0853	02/05/2000	N001	AL	N	2960			#	-	-
	umhos/cm	0854	02/05/2000	N001	AL	N	24500		L	#	-	-
	umhos/cm	0855	02/02/2000	N001	AL	N	6180			#	-	-
	umhos/cm	0856	02/02/2000	N001	AL	N	6090			#	-	-
	umhos/cm	0857	02/03/2000	N001	AL	N	3900			#	-	-
	umhos/cm	0860	02/04/2000	N001	KM	N	11540		L	#	-	-
	umhos/cm	0862	02/04/2000	N001	KM	N	11480		L	#	-	-
	umhos/cm	0863	02/04/2000	N001	KM	N	11530		L	#	-	-
Strontium	mg/L	0608	02/03/2000	0001	KM	D	11.000			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	10.700		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	0.845			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	12.500			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	11.700			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	5.140			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	6.470			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	11.500			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	11.100			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	9.200			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	10.400			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	10.400			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	10.200			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	11.400			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	20.100			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	4.530			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	4.510			#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	1.290		L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	4.590			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Strontium	mg/L	0734	02/02/2000	0001	AL	N	9.560		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	8.210			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	7.640			#	-	-
	mg/L	0766	02/02/2000	0001	AL		15.800			#	-	-
	mg/L	0768	02/05/2000	0001	AL		11.000		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		5.700			#	-	-
	mg/L	0775	02/02/2000	0001	AL		10.400			#	-	-
	mg/L	0779	02/03/2000	0001	AL		7.960			#	-	-
	mg/L	0782	02/01/2000	0001	AL		0.879			#	-	-
	mg/L	0783	02/01/2000	0001	AL		0.505			#	-	-
	mg/L	0784	02/01/2000	0001	AL		1.350			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	2.820		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	3.520			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	16.500		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	8.830			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	3.840			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	4.000			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	3.550			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	3.250		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	4.040		L	#	-	-
Sulfate	mg/L	0608	02/03/2000	0001	KM	D	11200.000			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	8860.000		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	423.000			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	12900.000			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	13400.000			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	2940.000			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	5140.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0619	02/05/2000	0001	AL	D	11600.000			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	11400.000			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	7810.000			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	7370.000			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	2980.000			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	2960.000			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	2480.000			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	3880.000			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	2600.000			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	2670.000			#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	517.000		L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	2310.000			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	7140.000		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	6240.000			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	9950.000			#	-	-
	mg/L	0766	02/02/2000	0001	AL		24600.000			#	-	-
	mg/L	0768	02/05/2000	0001	AL		12500.000		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		5440.000			#	-	-
	mg/L	0775	02/02/2000	0001	AL		12800.000			#	-	-
	mg/L	0779	02/03/2000	0001	AL		6500.000			#	-	-
	mg/L	0782	02/01/2000	0001	AL		183.000			#	-	-
	mg/L	0783	02/01/2000	0001	AL		138.000			#	-	-
	mg/L	0784	02/01/2000	0001	AL		211.000			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	1920.000		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	1600.000			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	25300.000		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	3210.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0856	02/02/2000	0001	AL	N	3250.000			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	3250.000			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	2110.000			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	1600.000		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	1960.000		L	#	-	-
Temperature	C	0608	02/03/2000	N001	KM	D	7.4			#	-	-
	C	0610	02/03/2000	N001	AL	D	9.2		L	#	-	-
	C	0612	02/03/2000	N001	AL	D	9.9			#	-	-
	C	0614	02/03/2000	N001	AL	D	10.7			#	-	-
	C	0615	02/05/2000	N001	AL	D	11.3			#	-	-
	C	0616	02/03/2000	N001	AL	D	12.2			#	-	-
	C	0617	02/03/2000	N001	AL	D	13.2			#	-	-
	C	0619	02/05/2000	N001	AL	D	13.9			#	-	-
	C	0620	02/03/2000	N001	AL	D	11.8			#	-	-
	C	0624	02/03/2000	N001	AL	D	14.8			#	-	-
	C	0626	02/02/2000	N001	AL	D	10.2			#	-	-
	C	0628	02/02/2000	N001	AL	D	7.6			#	-	-
	C	0630	02/02/2000	N001	AL	D	10.4			#	-	-
	C	0631	02/07/2000	N001	AL	D	14.6			#	-	-
	C	0632	02/07/2000	N001	AL	D	13.9			#	-	-
	C	0732	02/05/2000	N001	AL	N	12		L	#	-	-
	C	0733	02/07/2000	N001	AL	N	13.7			#	-	-
	C	0734	02/02/2000	N001	AL	N	6.6		L	#	-	-
	C	0735	02/03/2000	N001	AL	N	8.1			#	-	-
	C	0736	02/02/2000	N001	AL	N	9.9			#	-	-
	C	0766	02/02/2000	N001	AL		10.6			#	-	-
	C	0768	02/05/2000	N001	AL		10.5		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0773	02/05/2000	N001	AL		10.1			#	-	-
	C	0775	02/02/2000	N001	AL		10.7			#	-	-
	C	0779	02/03/2000	N001	AL		10.8			#	-	-
	C	0782	02/01/2000	N001	AL		8.5			#	-	-
	C	0783	02/01/2000	N001	AL		9.3			#	-	-
	C	0784	02/01/2000	N001	AL		9.5			#	-	-
	C	0850	02/02/2000	N001	AL	N	13.2		L	#	-	-
	C	0853	02/05/2000	N001	AL	N	12			#	-	-
	C	0854	02/05/2000	N001	AL	N	9.9		L	#	-	-
	C	0855	02/02/2000	N001	AL	N	7			#	-	-
	C	0856	02/02/2000	N001	AL	N	12.5			#	-	-
	C	0857	02/03/2000	N001	AL	N	13.6			#	-	-
	C	0860	02/04/2000	N001	KM	N	13.7		L	#	-	-
	C	0862	02/04/2000	N001	KM	N	11		L	#	-	-
	C	0863	02/04/2000	N001	KM	N	12.9		L	#	-	-
Total Dissolved Solids	mg/L	0608	02/03/2000	0001	KM	D	17300			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	18200		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	888			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	23100			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	23100	*	J	#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	4880			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	8550			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	18600	*	J	#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	18900	*	J	#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	13500			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	13600			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	5000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0626	02/02/2000	0002	AL	D	4980			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	3880			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	7870		J	#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	4600			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	4650			#	-	-
	mg/L	0732	02/05/2000	0001	AL	N	1190	*	JL	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	4290			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	11900		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	12600			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	15400			#	-	-
	mg/L	0766	02/02/2000	0001	AL		41200		J	#	-	-
	mg/L	0768	02/05/2000	0001	AL		20100	*	JL	#	-	-
	mg/L	0773	02/05/2000	0001	AL		9840	*	J	#	-	-
	mg/L	0775	02/02/2000	0001	AL		22400			#	-	-
	mg/L	0779	02/03/2000	0001	AL		10900			#	-	-
	mg/L	0782	02/01/2000	0001	AL		485			#	-	-
	mg/L	0783	02/01/2000	0001	AL		380			#	-	-
	mg/L	0784	02/01/2000	0001	AL		752			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	3270		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	2690	*	J	#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	41500		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	5190			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	5160			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	5160			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	3460			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	8000		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	8210		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0608	02/03/2000	N001	KM	D	9.41			#	-	-
	NTU	0610	02/03/2000	N001	AL	D	29.4		L	#	-	-
	NTU	0612	02/03/2000	N001	AL	D	4.15			#	-	-
	NTU	0614	02/03/2000	N001	AL	D	1.91			#	-	-
	NTU	0615	02/05/2000	N001	AL	D	84.8			#	-	-
	NTU	0616	02/03/2000	N001	AL	D	6.69			#	-	-
	NTU	0617	02/03/2000	N001	AL	D	8.27			#	-	-
	NTU	0619	02/05/2000	N001	AL	D	4.21			#	-	-
	NTU	0620	02/03/2000	N001	AL	D	3.47			#	-	-
	NTU	0624	02/03/2000	N001	AL	D	8.3			#	-	-
	NTU	0626	02/02/2000	N001	AL	D	7.13			#	-	-
	NTU	0628	02/02/2000	N001	AL	D	0.71			#	-	-
	NTU	0630	02/02/2000	N001	AL	D	0.93			#	-	-
	NTU	0631	02/07/2000	N001	AL	D	9.39			#	-	-
	NTU	0632	02/07/2000	N001	AL	D	3.58			#	-	-
	NTU	0732	02/05/2000	N001	AL	N	0.68		L	#	-	-
	NTU	0733	02/07/2000	N001	AL	N	11.9			#	-	-
	NTU	0734	02/02/2000	N001	AL	N	84.4		L	#	-	-
	NTU	0735	02/03/2000	N001	AL	N	2.27			#	-	-
	NTU	0736	02/02/2000	N001	AL	N	1.5			#	-	-
	NTU	0766	02/02/2000	N001	AL		1.74			#	-	-
	NTU	0768	02/05/2000	N001	AL		242		L	#	-	-
	NTU	0773	02/05/2000	N001	AL		9.89			#	-	-
	NTU	0775	02/02/2000	N001	AL		9.91			#	-	-
	NTU	0779	02/03/2000	N001	AL		3.4			#	-	-
	NTU	0782	02/01/2000	N001	AL		4.1			#	-	-
	NTU	0783	02/01/2000	N001	AL		6.94			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0784	02/01/2000	N001	AL		4.91			#	-	-
	NTU	0850	02/02/2000	N001	AL	N	381		L	#	-	-
	NTU	0853	02/05/2000	N001	AL	N	178			#	-	-
	NTU	0854	02/05/2000	N001	AL	N	1000	>	L	#	-	-
	NTU	0855	02/02/2000	N001	AL	N	0.97			#	-	-
	NTU	0856	02/02/2000	N001	AL	N	0.86			#	-	-
	NTU	0857	02/03/2000	N001	AL	N	1.5			#	-	-
	NTU	0860	02/04/2000	N001	KM	N	982		L	#	-	-
	NTU	0862	02/04/2000	N001	KM	N	1000	>	L	#	-	-
	NTU	0863	02/04/2000	N001	KM	N	604		L	#	-	-
Uranium	mg/L	0608	02/03/2000	0001	KM	D	1.950			#	-	-
	mg/L	0610	02/03/2000	0001	AL	D	1.670		L	#	-	-
	mg/L	0612	02/03/2000	0001	AL	D	0.0542			#	-	-
	mg/L	0614	02/03/2000	0001	AL	D	2.330			#	-	-
	mg/L	0615	02/05/2000	0001	AL	D	2.270			#	-	-
	mg/L	0616	02/03/2000	0001	AL	D	0.474			#	-	-
	mg/L	0617	02/03/2000	0001	AL	D	0.592			#	-	-
	mg/L	0619	02/05/2000	0001	AL	D	1.380			#	-	-
	mg/L	0619	02/05/2000	0002	AL	D	1.380			#	-	-
	mg/L	0620	02/03/2000	0001	AL	D	0.791			#	-	-
	mg/L	0624	02/03/2000	0001	AL	D	0.880			#	-	-
	mg/L	0626	02/02/2000	0001	AL	D	0.104			#	-	-
	mg/L	0626	02/02/2000	0002	AL	D	0.103			#	-	-
	mg/L	0628	02/02/2000	0001	AL	D	0.0279			#	-	-
	mg/L	0630	02/02/2000	0001	AL	D	0.122			#	-	-
	mg/L	0631	02/07/2000	0001	AL	D	0.0185			#	-	-
	mg/L	0632	02/07/2000	0001	AL	D	0.0213			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0732	02/05/2000	0001	AL	N	0.009		L	#	-	-
	mg/L	0733	02/07/2000	0001	AL	N	0.0197			#	-	-
	mg/L	0734	02/02/2000	0001	AL	N	0.130		L	#	-	-
	mg/L	0735	02/03/2000	0001	AL	N	0.189			#	-	-
	mg/L	0736	02/02/2000	0001	AL	N	0.479			#	-	-
	mg/L	0766	02/02/2000	0001	AL		3.500			#	-	-
	mg/L	0768	02/05/2000	0001	AL		0.948		L	#	-	-
	mg/L	0773	02/05/2000	0001	AL		0.808			#	-	-
	mg/L	0775	02/02/2000	0001	AL		1.960			#	-	-
	mg/L	0779	02/03/2000	0001	AL		0.984			#	-	-
	mg/L	0782	02/01/2000	0001	AL		0.0025			#	-	-
	mg/L	0783	02/01/2000	0001	AL		0.0078			#	-	-
	mg/L	0784	02/01/2000	0001	AL		0.0032			#	-	-
	mg/L	0850	02/02/2000	0001	AL	N	0.0274		L	#	-	-
	mg/L	0853	02/05/2000	0001	AL	N	0.185			#	-	-
	mg/L	0854	02/05/2000	0001	AL	N	3.770		L	#	-	-
	mg/L	0855	02/02/2000	0001	AL	N	0.110			#	-	-
	mg/L	0856	02/02/2000	0001	AL	N	0.130			#	-	-
	mg/L	0856	02/02/2000	0002	AL	N	0.130			#	-	-
	mg/L	0857	02/03/2000	0001	AL	N	0.212			#	-	-
	mg/L	0860	02/04/2000	0001	KM	N	0.0149		L	#	-	-
	mg/L	0863	02/04/2000	0001	KM	N	0.0259		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY

RECORDS: SELECTED FROM USEE200 WHERE site_code='SHP01' AND quality_assurance = TRUE AND (NOT (data_validation_qualifiers LIKE "R" OR data_validation_qualifiers LIKE "X") OR IsNull(data_validation_qualifiers)) AND DATE_SAMPLED between #1/30/2000# and #2/28/2000#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.

DATA QUALIFIERS:

- J Estimated value.
- L Less than 3 bore volumes purged prior to sampling.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- R Unusable result.
- G Possible grout contamination, pH > 9.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0600	02/04/2000	0001	KM	O	1237		L	#	-	-
	mg/L	0600	02/04/2000	N001	KM	O	1336		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	2135			#	-	-
	mg/L	0602	02/01/2000	N001	KM	O	2108			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	267			#	-	-
	mg/L	0603	02/04/2000	N001	AL	N	260			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	838		L	#	-	-
	mg/L	0604	02/01/2000	N001	KM	N	835		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	201			#	-	-
	mg/L	0725	02/05/2000	N001	AL	N	200			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	328			#	-	-
	mg/L	0726	02/06/2000	N001	KM	N	358			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	1451		L	#	-	-
	mg/L	0727	02/06/2000	N001	KM	N	1520		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	277			#	-	-
	mg/L	0728	02/04/2000	N001	AL	N	275			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	29		L	#	-	-
	mg/L	0730	02/06/2000	N001	AL	N	17		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	360			#	-	-
	mg/L	0731	02/03/2000	N001	AL	N	480			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	681		L	#	-	-
	mg/L	0812	02/07/2000	N001	AL	N	661		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	948			#	-	-
	mg/L	0813	02/06/2000	N001	AL	N	950			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	994		L	#	-	-
	mg/L	0814	02/06/2000	N001	AL	N	1001		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	1362			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0815	02/07/2000	N001	AL	N	1358			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	455			#	-	-
	mg/L	0816	02/07/2000	N001	AL	N	454			#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	1654		L	#	-	-
	mg/L	0826	02/04/2000	N001	AL	N	1660		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	850		L	#	-	-
	mg/L	0827	02/03/2000	N001	AL	N	765		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	623			#	-	-
	mg/L	0828	02/03/2000	N001	AL	N	605			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	14		L	#	-	-
	mg/L	0830	02/03/2000	N001	KM	N	13		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	302			#	-	-
	mg/L	0832	02/07/2000	N001	AL	N	297			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	407			#	-	-
	mg/L	0833	02/06/2000	N001	AL	N	402			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	284			#	-	-
	mg/L	0835	02/06/2000	N001	AL	N	283			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	399			#	-	-
	mg/L	0836	01/31/2000	N001	AL	N	413			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	354			#	-	-
	mg/L	0836	02/06/2000	N001	AL	N	354			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	513			#	-	-
	mg/L	0837	02/01/2000	N001	AL	N	520			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	477			#	-	-
	mg/L	0837	02/06/2000	N001	AL	N	502			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	293			#	-	-
	mg/L	0838	02/06/2000	N001	AL	N	302			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0839	02/07/2000	0001	AL	N	910		L	#	-	-
	mg/L	0839	02/07/2000	N001	AL	N	905		L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	746			#	-	-
	mg/L	0841	02/07/2000	N001	AL	N	736			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	381			#	-	-
	mg/L	0843	01/31/2000	N001	AL	N	381			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	357			#	-	-
	mg/L	0843	02/06/2000	N001	AL	N	347			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	321			#	-	-
	mg/L	0844	02/06/2000	N001	AL	N	306			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	259			#	-	-
	mg/L	0846	02/06/2000	N001	AL	N	267			#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	292			#	-	-
	mg/L	0847	02/01/2000	N001	AL	N	283			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	500			#	-	-
	mg/L	0848	02/02/2000	N001	AL	N	597			#	-	-
	mg/L	1048	02/06/2000	0001	QA		540			#	-	-
	mg/L	1049	02/06/2000	0001	QA		521			#	-	-
	mg/L	1049	02/06/2000	N001	QA		568			#	-	-
Ammonium	mg/L	0600	02/04/2000	0001	KM	O	320.000		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	551.000			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	65.400		J	#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	0.0957	B	L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	0.069	B		#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	0.032	B		#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	0.0927	B		#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	46.500		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Ammonium	mg/L	0728	02/04/2000	0001	AL	N	50.200			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	51.800			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	207.000	N	JL	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	66.600			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	0.249	N	JL	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	72.500			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	38.800		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	0.505	N	J	#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	0.0141	BN	J	#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	536.000		L	#	-	-
	mg/L	0820	02/07/2000	0001	KM	N	2.620		L	#	-	-
	mg/L	0823	02/03/2000	0001	KM	N	2.720		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	62.300		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	110.000		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	1.500		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	3.300			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	13.400		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	0.0612	B		#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	0.0248	B		#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	0.0092	B		#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	0.0165	B		#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	0.0118	B		#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	0.0237	B		#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	0.0248	B		#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	0.0092	B		#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	138.000	N	JL	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	0.0274	B		#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Ammonium	mg/L	0843	01/31/2000	0001	AL	N	0.0417	B		#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	0.0222	B		#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	0.0118	B		#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	0.0066	B		#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	0.164			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	0.143			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	1.660			#	-	-
	mg/L	1048	02/06/2000	0001	QA		0.137	N		#	-	-
	mg/L	1049	02/06/2000	0001	QA		0.100	N	J	#	-	-
Antimony	mg/L	0600	02/04/2000	0001	KM	O	0.0004	U	L	#	0.0004	-
	mg/L	0602	02/01/2000	0001	KM	O	0.00079	B	U	#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0604	02/01/2000	0001	KM	N	0.0022	B	UL	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0725	02/05/2000	0002	AL	N	0.0004	U		#	0.0004	-
	mg/L	0726	02/06/2000	0001	KM	N	0.0004	U		#	0.0004	-
	mg/L	0727	02/06/2000	0001	KM	N	0.0004	U	L	#	0.0004	-
	mg/L	0728	02/04/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0728	02/04/2000	0002	AL	N	0.0004	U		#	0.0004	-
	mg/L	0730	02/06/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0731	02/03/2000	0001	AL	N	0.00057	B	U	#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	0.00075	B	L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0814	02/06/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0815	02/07/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0816	02/07/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0819	02/07/2000	0001	KM	N	0.00045	B	L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Antimony	mg/L	0824	02/03/2000	0001	KM	N	0.0038		UL	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0827	02/03/2000	0001	AL	N	0.00072	B	UL	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	0.0013	B	U	#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	0.00051	B	UL	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0833	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0835	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0836	01/31/2000	0001	AL	N	0.00069	B	U	#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0837	02/01/2000	0001	AL	N	0.00067	B	U	#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0838	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0839	02/07/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0841	02/07/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0843	01/31/2000	0001	AL	N	0.0014	B	U	#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0844	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0846	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0847	02/01/2000	0001	AL	N	0.00063	B	U	#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	0.00063	B	U	#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	0.00085	B	U	#	-	-
	mg/L	1048	02/06/2000	0001	QA		0.0004	U		#	0.0004	-
	mg/L	1049	02/06/2000	0001	QA		0.0004	U		#	0.0004	-
Arsenic	mg/L	0600	02/04/2000	0001	KM	O	0.0004	U	L	#	0.0004	-
	mg/L	0602	02/01/2000	0001	KM	O	0.00043	B		#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	0.0004	U		#	0.0004	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Arsenic	mg/L	0604	02/01/2000	0001	KM	N	0.0004	U	L	#	0.0004	-
	mg/L	0725	02/05/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0725	02/05/2000	0002	AL	N	0.0004	U		#	0.0004	-
	mg/L	0726	02/06/2000	0001	KM	N	0.0004	U		#	0.0004	-
	mg/L	0727	02/06/2000	0001	KM	N	0.0004	U	L	#	0.0004	-
	mg/L	0728	02/04/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0728	02/04/2000	0002	AL	N	0.0004	U		#	0.0004	-
	mg/L	0730	02/06/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0731	02/03/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0812	02/07/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0813	02/06/2000	0001	AL	N	0.00042	B		#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0815	02/07/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0816	02/07/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0819	02/07/2000	0001	KM	N	0.0004	U	L	#	0.0004	-
	mg/L	0824	02/03/2000	0001	KM	N	0.0016	B	L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0827	02/03/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0828	02/03/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0830	02/03/2000	0001	KM	N	0.0004	U	L	#	0.0004	-
	mg/L	0832	02/07/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0833	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0835	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0836	01/31/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0836	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0837	02/01/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0837	02/06/2000	0001	AL	N	0.00046	B		#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Arsenic	mg/L	0838	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0839	02/07/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0841	02/07/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0843	01/31/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0843	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0844	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0846	02/06/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0847	02/01/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	0847	02/01/2000	0002	AL	N	0.0004	U		#	0.0004	-
	mg/L	0848	02/02/2000	0001	AL	N	0.0004	U		#	0.0004	-
	mg/L	1048	02/06/2000	0001	QA		0.0004	U		#	0.0004	-
	mg/L	1049	02/06/2000	0001	QA		0.0004	U		#	0.0004	-
Cadmium	mg/L	0600	02/04/2000	0001	KM	O	0.00045	B	L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	0.00044	B		#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	0.0154			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	0.00096	B	L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0725	02/05/2000	0002	AL	N	0.0003	U		#	0.0003	-
	mg/L	0726	02/06/2000	0001	KM	N	0.0003	U		#	0.0003	-
	mg/L	0727	02/06/2000	0001	KM	N	0.00048	B	L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0728	02/04/2000	0002	AL	N	0.0003	U		#	0.0003	-
	mg/L	0730	02/06/2000	0001	AL	N	0.0471		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0812	02/07/2000	0001	AL	N	0.00045	B	L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0814	02/06/2000	0001	AL	N	0.0004	B	L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Cadmium	mg/L	0815	02/07/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0816	02/07/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0819	02/07/2000	0001	KM	N	0.0003	U	L	#	0.0003	-
	mg/L	0824	02/03/2000	0001	KM	N	0.00065	B	L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	0.0003	U	L	#	0.0003	-
	mg/L	0827	02/03/2000	0001	AL	N	0.00034	B	L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0830	02/03/2000	0001	KM	N	0.0086		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0833	02/06/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0835	02/06/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0836	01/31/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0836	02/06/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0837	02/01/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0837	02/06/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0838	02/06/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0839	02/07/2000	0001	AL	N	0.0003	U	L	#	0.0003	-
	mg/L	0841	02/07/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0843	01/31/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0843	02/06/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0844	02/06/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0846	02/06/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0847	02/01/2000	0001	AL	N	0.0003	U		#	0.0003	-
	mg/L	0847	02/01/2000	0002	AL	N	0.0003	U		#	0.0003	-
	mg/L	0848	02/02/2000	0001	AL	N	0.00049	B		#	-	-
	mg/L	1048	02/06/2000	0001	QA		0.0003	U		#	0.0003	-
	mg/L	1049	02/06/2000	0001	QA		0.0003	U		#	0.0003	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Calcium	mg/L	0600	02/04/2000	0001	KM	O	401.000		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	415.000			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	480.000			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	568.000		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	391.000			#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	388.000			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	414.000			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	414.000		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	477.000			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	485.000			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	537.000		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	438.000			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	446.000		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	595.000			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	443.000		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	430.000			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	546.000			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	433.000		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	278.000		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	430.000		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	465.000		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	301.000			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	536.000		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	444.000			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	735.000			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	419.000			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	565.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Calcium	mg/L	0836	02/06/2000	0001	AL	N	574.000			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	484.000			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	493.000	E		#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	399.000			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	433.000		L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	378.000			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	556.000			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	557.000			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	448.000			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	611.000			#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	449.000			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	451.000			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	449.000			#	-	-
	mg/L	1048	02/06/2000	0001	QA		377.000			#	-	-
	mg/L	1049	02/06/2000	0001	QA		379.000			#	-	-
Chloride	mg/L	0600	02/04/2000	0001	KM	O	254.000		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	676.000			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	383.000			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	3230.000		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	83.000			#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	81.700			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	128.000			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	393.000		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	115.000			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	113.000			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	20.800		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	433.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0812	02/07/2000	0001	AL	N	2250.000		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	671.000			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	1080.000		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	866.000			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	240.000			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	825.000		L	#	-	-
	mg/L	0820	02/07/2000	0001	KM	N	4450.000		L	#	-	-
	mg/L	0823	02/03/2000	0001	KM	N	3700.000		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	5640.000		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	719.000		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	284.000		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	79.500			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	43.700		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	564.000			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	318.000			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	24.500			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	37.700			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	41.400			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	17.200			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	17.500			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	12.800			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	467.000		L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	663.000			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	24.700			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	25.200			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	66.200			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	135.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0847	02/01/2000	0001	AL	N	11.400			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	11.300			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	303.000			#	-	-
	mg/L	1048	02/06/2000	0001	QA		1130.000			#	-	-
	mg/L	1049	02/06/2000	0001	QA		1130.000			#	-	-
Fluoride	mg/L	0600	02/04/2000	0001	KM	O	0.441	B	L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	0.679	B		#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	0.360	U		#	0.36	-
	mg/L	0604	02/01/2000	0001	KM	N	0.950	B	L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	1.610			#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	1.420			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	0.498	B		#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	0.400	B	L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	1.890			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	1.820			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	1.020		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	0.238	B		#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	0.900	U	L	#	0.9	-
	mg/L	0813	02/06/2000	0001	AL	N	2.770			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	0.966	B	L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	0.382	B		#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	1.210			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	1.010	B	L	#	-	-
	mg/L	0820	02/07/2000	0001	KM	N	1.040	B	L	#	-	-
	mg/L	0823	02/03/2000	0001	KM	N	1.150	B	L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	0.947	B	L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	0.528	B	L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Fluoride	mg/L	0827	02/03/2000	0001	AL	N	0.217	B	L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	0.881			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	0.595		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	0.986	B		#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	0.684	B		#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	0.577			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	0.489	B		#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	0.447	B		#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	0.347	B		#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	0.356	B		#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	0.838			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	0.360	U	L	#	0.36	-
	mg/L	0841	02/07/2000	0001	AL	N	2.540			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	0.507			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	0.388	B		#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	0.565			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	0.731	B		#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	0.843			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	0.792			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	0.557	B		#	-	-
	mg/L	1048	02/06/2000	0001	QA		0.900	U		#	0.9	-
	mg/L	1049	02/06/2000	0001	QA		0.900	U		#	0.9	-
Gross Alpha	pCi/L	0600	02/04/2000	0001	KM	O	792.26		L	#	110.69	± 142.
	pCi/L	0602	02/01/2000	0001	KM	O	652.58			#	191.89	± 183.
	pCi/L	0603	02/04/2000	0001	AL	N	99.98	U		#	99.98	± 49.4
	pCi/L	0604	02/01/2000	0001	KM	N	195.18	U	L	#	195.18	± 130.
	pCi/L	0725	02/05/2000	0001	AL	N	51.9		J	#	39.25	± 28.2

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Gross Alpha	pCi/L	0725	02/05/2000	0002	AL	N	39.4	U	J	#	39.46	± 25.9
	pCi/L	0726	02/06/2000	0001	KM	N	56.30	U	J	#	56.3	± 32.3
	pCi/L	0727	02/06/2000	0001	KM	N	433.13		JL	#	171.02	± 148.
	pCi/L	0728	02/04/2000	0001	AL	N	216.48			#	51.42	± 53.3
	pCi/L	0728	02/04/2000	0002	AL	N	149.15			#	52.45	± 47.1
	pCi/L	0731	02/03/2000	0001	AL	N	71.89	U		#	71.89	± 44.7
	pCi/L	0813	02/06/2000	0001	AL	N	260.39		J	#	240.32	± 165.
	pCi/L	0815	02/07/2000	0001	AL	N	293.95		J	#	193.77	± 144.
	pCi/L	0816	02/07/2000	0001	AL	N	93.92		J	#	67.94	± 49.5
	pCi/L	0819	02/07/2000	0001	KM	N	629.94		JL	#	175.28	± 171.
	pCi/L	0824	02/03/2000	0001	KM	N	320.84		L	#	157.26	± 127.
	pCi/L	0826	02/04/2000	0001	AL	N	2171.68		L	#	186.61	± 297.
	pCi/L	0827	02/03/2000	0001	AL	N	568.14		L	#	70.26	± 95.1
	pCi/L	0828	02/03/2000	0001	AL	N	216.11			#	30.43	± 38.8
	pCi/L	0830	02/03/2000	0001	KM	N	18.73	U	L	#	18.73	± 9.97
	pCi/L	0832	02/07/2000	0001	AL	N	104.33	U		#	104.33	± 66.7
	pCi/L	0833	02/06/2000	0001	AL	N	94.75			#	79.74	± 56.0
	pCi/L	0835	02/06/2000	0001	AL	N	19.49			#	18.83	± 12.8
	pCi/L	0836	01/31/2000	0001	AL	N	38.24		J	#	36.96	± 25.1
	pCi/L	0836	02/06/2000	0001	AL	N	60.17			#	37.09	± 28.1
	pCi/L	0837	02/01/2000	0001	AL	N	46.31		J	#	26.83	± 20.7
	pCi/L	0837	02/06/2000	0001	AL	N	35.48			#	24.04	± 17.8
	pCi/L	0838	02/06/2000	0001	AL	N	18.06	U		#	18.06	± 12.0
	pCi/L	0839	02/07/2000	0001	AL	N	436.64		JL	#	166.74	± 146.
	pCi/L	0841	02/07/2000	0001	AL	N	184.47	U		#	184.47	± 110.
	pCi/L	0843	01/31/2000	0001	AL	N	27.64	U	J	#	27.64	± 18.6
	pCi/L	0843	02/06/2000	0001	AL	N	27.68	U		#	27.68	± 17.4

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Gross Alpha	pCi/L	0844	02/06/2000	0001	AL	N	41.44			#	38.48	± 26.4
	pCi/L	0846	02/06/2000	0001	AL	N	39.32	U		#	39.32	± 26.2
	pCi/L	0847	02/01/2000	0001	AL	N	19.97			#	18.32	± 12.6
	pCi/L	0847	02/01/2000	0002	AL	N	18.3	U		#	18.3	± 12.2
	pCi/L	0848	02/02/2000	0001	AL	N	77.7	U		#	77.72	± 47.2
	pCi/L	1048	02/06/2000	0001	QA		257.59	U	J	#	257.59	± 166.
	pCi/L	1049	02/06/2000	0001	QA		257.6	U	J	#	257.63	± 168.
Gross Beta	pCi/L	0600	02/04/2000	0001	KM	O	441.05		L	#	124.46	± 92.6
	pCi/L	0602	02/01/2000	0001	KM	O	418.38			#	205.45	± 138.
	pCi/L	0603	02/04/2000	0001	AL	N	204.87			#	119.12	± 78.6
	pCi/L	0604	02/01/2000	0001	KM	N	203.62	U	L	#	203.62	± 124.
	pCi/L	0725	02/05/2000	0001	AL	N	41.91			#	40.8	± 25.4
	pCi/L	0725	02/05/2000	0002	AL	N	44.42			#	40.75	± 25.5
	pCi/L	0726	02/06/2000	0001	KM	N	60.58	U		#	60.58	± 37.0
	pCi/L	0727	02/06/2000	0001	KM	N	349.01		L	#	201.58	± 133.
	pCi/L	0728	02/04/2000	0001	AL	N	144.15			#	56.01	± 39.2
	pCi/L	0728	02/04/2000	0002	AL	N	148.25			#	55.8	± 39.3
	pCi/L	0731	02/03/2000	0001	AL	N	85.50	U		#	85.5	± 52.9
	pCi/L	0813	02/06/2000	0001	AL	N	298.45	U		#	298.45	± 180.
	pCi/L	0815	02/07/2000	0001	AL	N	231.75			#	203.83	± 128.
	pCi/L	0816	02/07/2000	0001	AL	N	75.77	U		#	75.77	± 45.5
	pCi/L	0819	02/07/2000	0001	KM	N	437.55		L	#	203.07	± 138.
	pCi/L	0824	02/03/2000	0001	KM	N	278.31		L	#	154.87	± 102.
	pCi/L	0826	02/04/2000	0001	AL	N	1134.84		L	#	211.66	± 173.
	pCi/L	0827	02/03/2000	0001	AL	N	313.09		L	#	78.24	± 59.7
	pCi/L	0828	02/03/2000	0001	AL	N	160.05			#	31.46	± 25.5
	pCi/L	0830	02/03/2000	0001	KM	N	20.16	U	L	#	20.16	± 12.5

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Gross Beta	pCi/L	0832	02/07/2000	0001	AL	N	120.33	U		#	120.33	± 69.5
	pCi/L	0833	02/06/2000	0001	AL	N	86.8	U		#	86.82	± 51.3
	pCi/L	0835	02/06/2000	0001	AL	N	20.2	U		#	20.27	± 12.2
	pCi/L	0836	01/31/2000	0001	AL	N	40.44	U		#	40.44	± 24.4
	pCi/L	0836	02/06/2000	0001	AL	N	40.56	U		#	40.56	± 25.0
	pCi/L	0837	02/01/2000	0001	AL	N	30.31	U		#	30.31	± 18.4
	pCi/L	0837	02/06/2000	0001	AL	N	24.58	U		#	24.58	± 15.0
	pCi/L	0838	02/06/2000	0001	AL	N	20.16	U		#	20.16	± 12.0
	pCi/L	0839	02/07/2000	0001	AL	N	420.2		L	#	201.04	± 136.
	pCi/L	0841	02/07/2000	0001	AL	N	201.69	U		#	201.69	± 120.
	pCi/L	0843	01/31/2000	0001	AL	N	30.32	U		#	30.32	± 17.9
	pCi/L	0843	02/06/2000	0001	AL	N	30.28	U		#	30.28	± 18.2
	pCi/L	0844	02/06/2000	0001	AL	N	40.65	U		#	40.65	± 25.2
	pCi/L	0846	02/06/2000	0001	AL	N	40.75	U		#	40.75	± 24.7
	pCi/L	0847	02/01/2000	0001	AL	N	20.22	U		#	20.22	± 11.8
	pCi/L	0847	02/01/2000	0002	AL	N	20.20	U		#	20.2	± 11.9
	pCi/L	0848	02/02/2000	0001	AL	N	86.28	U		#	86.28	± 52.4
	pCi/L	1048	02/06/2000	0001	QA		300.50	U		#	300.5	± 171.
	pCi/L	1049	02/06/2000	0001	QA		300.52	U		#	300.52	± 174.
Iron	mg/L	0600	02/04/2000	0001	KM	O	0.0144	U	L	#	0.0144	-
	mg/L	0602	02/01/2000	0001	KM	O	0.0144	U		#	0.0144	-
	mg/L	0603	02/04/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0604	02/01/2000	0001	KM	N	0.0144	U	L	#	0.0144	-
	mg/L	0725	02/05/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0725	02/05/2000	0002	AL	N	0.0144	U		#	0.0144	-
	mg/L	0726	02/06/2000	0001	KM	N	0.0144	U		#	0.0144	-
	mg/L	0727	02/06/2000	0001	KM	N	0.0144	U	L	#	0.0144	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Iron	mg/L	0728	02/04/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0728	02/04/2000	0002	AL	N	0.0144	U		#	0.0144	-
	mg/L	0730	02/06/2000	0001	AL	N	0.225		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0812	02/07/2000	0001	AL	N	0.0741		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0814	02/06/2000	0001	AL	N	0.0345		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0816	02/07/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0819	02/07/2000	0001	KM	N	0.0302		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	0.372		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	0.0144	U	L	#	0.0144	-
	mg/L	0827	02/03/2000	0001	AL	N	0.0144	U	L	#	0.0144	-
	mg/L	0828	02/03/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0830	02/03/2000	0001	KM	N	0.0144	U	L	#	0.0144	-
	mg/L	0832	02/07/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0833	02/06/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0835	02/06/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0836	01/31/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0836	02/06/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0837	02/01/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0837	02/06/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0838	02/06/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0839	02/07/2000	0001	AL	N	0.0144	U	L	#	0.0144	-
	mg/L	0841	02/07/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0843	01/31/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0843	02/06/2000	0001	AL	N	0.0144	U		#	0.0144	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Iron	mg/L	0844	02/06/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0846	02/06/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0847	02/01/2000	0001	AL	N	0.0144	U		#	0.0144	-
	mg/L	0847	02/01/2000	0002	AL	N	0.0144	U		#	0.0144	-
	mg/L	0848	02/02/2000	0001	AL	N	0.0212	B		#	-	-
	mg/L	1048	02/06/2000	0001	QA		0.0144	U		#	0.0144	-
	mg/L	1049	02/06/2000	0001	QA		0.0144	U		#	0.0144	-
Magnesium	mg/L	0600	02/04/2000	0001	KM	O	780.000		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	2650.000			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	938.000			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	1320.000		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	133.000			#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	133.000			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	335.000			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	2150.000		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	536.000			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	522.000			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	174.000		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	613.000			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	2140.000		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	3080.000			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	2460.000		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	2450.000			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	702.000			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	1660.000		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	133.000		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	2310.000		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0827	02/03/2000	0001	AL	N	533.000		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	275.000			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	35.000		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	889.000			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	863.000			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	99.600			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	268.000			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	260.000			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	173.000			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	173.000			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	87.900			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	2020.000		L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	781.000			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	197.000			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	187.000			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	379.000			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	225.000			#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	71.900			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	71.800			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	457.000			#	-	-
	mg/L	1048	02/06/2000	0001	QA		1090.000			#	-	-
	mg/L	1049	02/06/2000	0001	QA		1050.000			#	-	-
Manganese	mg/L	0600	02/04/2000	0001	KM	O	1.400		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	2.050			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	31.400			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	0.504		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	0.0021	B	U	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Manganese	mg/L	0725	02/05/2000	0002	AL	N	0.0006	U		#	0.0006	-
	mg/L	0726	02/06/2000	0001	KM	N	0.0721			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	1.410		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	0.537			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	0.529			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	22.500		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	0.0482			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	0.161		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	0.290			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	1.340		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	1.320			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	0.0585			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	2.520		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	0.670		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	2.610		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	1.240		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	0.642			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	1.980		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	0.00091	B	U	#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	0.0006	U		#	0.0006	-
	mg/L	0835	02/06/2000	0001	AL	N	0.0006	U		#	0.0006	-
	mg/L	0836	01/31/2000	0001	AL	N	1.720			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	1.620			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	2.860			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	2.660			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	0.0006	U		#	0.0006	-
	mg/L	0839	02/07/2000	0001	AL	N	0.818		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Manganese	mg/L	0841	02/07/2000	0001	AL	N	0.0255			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	3.390			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	3.300			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	0.0358			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	0.00062	B	U	#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	0.0182			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	0.0154			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	0.386			#	-	-
	mg/L	1048	02/06/2000	0001	QA		0.0154		U	#	-	-
	mg/L	1049	02/06/2000	0001	QA		0.0056	B	U	#	-	-
Molybdenum	mg/L	0600	02/04/2000	0001	KM	O	0.004	B	L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	0.0038	B		#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	0.0028	B		#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	0.034		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	0.0092	B		#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	0.0092	B		#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	0.0032	B		#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	0.0013	B	L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	0.0011	B		#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	0.0011	B		#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	0.0004	U	L	#	0.0004	-
	mg/L	0731	02/03/2000	0001	AL	N	0.0039	B	U	#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	0.0108		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	0.0023	B		#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	0.0066	B	L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	0.0077	B		#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	0.0046	B		#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Molybdenum	mg/L	0819	02/07/2000	0001	KM	N	0.0071	B	L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	0.856		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	0.004	B	L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	0.0038	B	UL	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	0.0087	B		#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	0.00062	B	UL	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	0.007	B		#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	0.003	B		#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	0.0032	B		#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	0.023	E	J	#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	0.022			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	0.0121	E	J	#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	0.0113		J	#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	0.0025	B		#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	0.0041	B	L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	0.0166			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	0.0091	BE	J	#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	0.0081	B		#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	0.0042	B		#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	0.0087	B		#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	0.0044	B		#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	0.004	B		#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	0.0208			#	-	-
	mg/L	1048	02/06/2000	0001	QA		0.0215			#	-	-
	mg/L	1049	02/06/2000	0001	QA		0.0213			#	-	-
Nitrate	mg/L	0600	02/04/2000	0001	KM	O	507.000		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	109.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Nitrate	mg/L	0603	02/04/2000	0001	AL	N	4900.000			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	5330.000		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	59.100			#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	57.200			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	137.000			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	1810.000		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	499.000			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	496.000			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	574.000		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	1260.000			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	5820.000		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	8790.000			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	4100.000		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	2940.000			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	558.000			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	380.000		L	#	-	-
	mg/L	0820	02/07/2000	0001	KM	N	473.000		L	#	-	-
	mg/L	0823	02/03/2000	0001	KM	N	483.000		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	636.000		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	94.700		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	633.000		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	35.400			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	75.100		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	1560.000			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	1240.000			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	42.900			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	60.900			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Nitrate	mg/L	0836	02/06/2000	0001	AL	N	61.400			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	4.020			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	3.900			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	12.900			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	2500.000		L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	1990.000			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	0.620	B		#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	0.010	U		#	0.01	-
	mg/L	0844	02/06/2000	0001	AL	N	164.000			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	547.000			#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	14.600			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	14.600			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	737.000			#	-	-
	mg/L	1048	02/06/2000	0001	QA		3160.000			#	-	-
	mg/L	1049	02/06/2000	0001	QA		3010.000			#	-	-
pH	s.u.	0600	02/04/2000	N001	KM	O	6.32		L	#	-	-
	s.u.	0602	02/01/2000	N001	KM	O	6.58			#	-	-
	s.u.	0603	02/04/2000	N001	AL	N	6.39			#	-	-
	s.u.	0604	02/01/2000	N001	KM	N	7		L	#	-	-
	s.u.	0725	02/05/2000	N001	AL	N	7.34			#	-	-
	s.u.	0726	02/06/2000	N001	KM	N	6.94			#	-	-
	s.u.	0727	02/06/2000	N001	KM	N	6.45		L	#	-	-
	s.u.	0728	02/04/2000	N001	AL	N	7.04			#	-	-
	s.u.	0730	02/06/2000	N001	AL	N	5.13		L	#	-	-
	s.u.	0731	02/03/2000	N001	AL	N	6.69			#	-	-
	s.u.	0812	02/07/2000	N001	AL	N	6.95		L	#	-	-
	s.u.	0813	02/06/2000	N001	AL	N	6.53			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0814	02/06/2000	N001	AL	N	6.78		L	#	-	-
	s.u.	0815	02/07/2000	N001	AL	N	6.63			#	-	-
	s.u.	0816	02/07/2000	N001	AL	N	7.24			#	-	-
	s.u.	0819	02/07/2000	N001	KM	N	6.76		L	#	-	-
	s.u.	0820	02/07/2000	N001	KM	N	7.03		L	#	-	-
	s.u.	0823	02/03/2000	N001	KM	N	7.69		L	#	-	-
	s.u.	0824	02/03/2000	N001	KM	N	6.67		L	#	-	-
	s.u.	0826	02/04/2000	N001	AL	N	6.61		L	#	-	-
	s.u.	0827	02/03/2000	N001	AL	N	6.2		L	#	-	-
	s.u.	0828	02/03/2000	N001	AL	N	6.74			#	-	-
	s.u.	0830	02/03/2000	N001	KM	N	5.18		L	#	-	-
	s.u.	0832	02/07/2000	N001	AL	N	7.18			#	-	-
	s.u.	0833	02/06/2000	N001	AL	N	6.98			#	-	-
	s.u.	0835	02/06/2000	N001	AL	N	7.11			#	-	-
	s.u.	0836	01/31/2000	N001	AL	N	7.12			#	-	-
	s.u.	0836	02/06/2000	N001	AL	N	6.96			#	-	-
	s.u.	0837	02/01/2000	N001	AL	N	7.04			#	-	-
	s.u.	0837	02/06/2000	N001	AL	N	7.44			#	-	-
	s.u.	0838	02/06/2000	N001	AL	N	6.96			#	-	-
	s.u.	0839	02/07/2000	N001	AL	N	6.73		L	#	-	-
	s.u.	0841	02/07/2000	N001	AL	N	7.24			#	-	-
	s.u.	0843	01/31/2000	N001	AL	N	7.1			#	-	-
	s.u.	0843	02/06/2000	N001	AL	N	6.98			#	-	-
	s.u.	0844	02/06/2000	N001	AL	N	7.04			#	-	-
	s.u.	0846	02/06/2000	N001	AL	N	7			#	-	-
	s.u.	0847	02/01/2000	N001	AL	N	7.07			#	-	-
	s.u.	0848	02/02/2000	N001	AL	N	6.86			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	1048	02/06/2000	N001	QA		7.66			#	-	-
	s.u.	1049	02/06/2000	N001	QA		7.55			#	-	-
Polonium-210	pCi/L	0600	02/04/2000	0001	KM	O	0.24		UL	#	0.13	± 0.20
	pCi/L	0602	02/01/2000	0001	KM	O	0.37		U	#	0.11	± 0.26
	pCi/L	0603	02/04/2000	0001	AL	N	0.16	U		#	0.16	± -0.13
	pCi/L	0604	02/01/2000	0001	KM	N	0.14	U	L	#	0.14	± 0.15
	pCi/L	0725	02/05/2000	0001	AL	N	0.13	U		#	0.13	± -0.12
	pCi/L	0725	02/05/2000	0002	AL	N	0.09	U		#	0.09	± 0.09
	pCi/L	0726	02/06/2000	0001	KM	N	0.10	U		#	0.1	± 0.11
	pCi/L	0727	02/06/2000	0001	KM	N	0.18	U	L	#	0.18	± 0.18
	pCi/L	0728	02/04/2000	0001	AL	N	0.14	U		#	0.14	± 0.16
	pCi/L	0728	02/04/2000	0002	AL	N	0.15	U		#	0.15	± 0.17
	pCi/L	0730	02/06/2000	0001	AL	N	0.07	U	L	#	0.07	± 0.08
	pCi/L	0731	02/03/2000	0001	AL	N	0.14	U		#	0.14	± 0.13
	pCi/L	0812	02/07/2000	0001	AL	N	0.13	U	L	#	0.13	± 0.18
	pCi/L	0813	02/06/2000	0001	AL	N	0.12	U		#	0.12	± 0.14
	pCi/L	0814	02/06/2000	0001	AL	N	0.16		UL	#	0.14	± 0.19
	pCi/L	0815	02/07/2000	0001	AL	N	0.13	U		#	0.13	± 0.17
	pCi/L	0816	02/07/2000	0001	AL	N	0.13	U		#	0.13	± -0.10
	pCi/L	0819	02/07/2000	0001	KM	N	0.33		UL	#	0.18	± 0.29
	pCi/L	0824	02/03/2000	0001	KM	N	0.09	U	L	#	0.09	± 0.09
	pCi/L	0826	02/04/2000	0001	AL	N	0.12		UL	#	0.11	± 0.15
	pCi/L	0827	02/03/2000	0001	AL	N	0.13	U	L	#	0.13	± 0.15
	pCi/L	0828	02/03/2000	0001	AL	N	0.26		U	#	0.19	± 0.27
	pCi/L	0830	02/03/2000	0001	KM	N	0.15	U	L	#	0.15	± -0.13
	pCi/L	0832	02/07/2000	0001	AL	N	0.14	U		#	0.14	± -0.12
	pCi/L	0833	02/06/2000	0001	AL	N	0.15	U		#	0.15	± 0.15

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Polonium-210	pCi/L	0835	02/06/2000	0001	AL	N	0.13	U		#	0.13	± 0.14
	pCi/L	0836	01/31/2000	0001	AL	N	0.21	U		#	0.21	± 0.24
	pCi/L	0836	02/06/2000	0001	AL	N	0.13	U		#	0.13	± 0.13
	pCi/L	0837	02/01/2000	0001	AL	N	0.18	U		#	0.18	± -0.15
	pCi/L	0837	02/06/2000	0001	AL	N	0	U		#	0.16	± 0.15
	pCi/L	0838	02/06/2000	0001	AL	N	0.13	U		#	0.13	± -0.11
	pCi/L	0839	02/07/2000	0001	AL	N	0.15	U	L	#	0.15	± 0.17
	pCi/L	0841	02/07/2000	0001	AL	N	0.11	U		#	0.11	± 0.13
	pCi/L	0843	01/31/2000	0001	AL	N	0.10	U		#	0.1	± 0.10
	pCi/L	0843	02/06/2000	0001	AL	N	0.16	U		#	0.16	± -0.13
	pCi/L	0844	02/06/2000	0001	AL	N	0	U		#	0.14	± 0.13
	pCi/L	0846	02/06/2000	0001	AL	N	0.06	U		#	0.06	± 0.07
	pCi/L	0847	02/01/2000	0001	AL	N	0.10	U		#	0.1	± 0.11
	pCi/L	0847	02/01/2000	0002	AL	N	0.13	U		#	0.13	± 0.13
	pCi/L	0848	02/02/2000	0001	AL	N	0.26		U	#	0.12	± 0.22
	pCi/L	1048	02/06/2000	0001	QA		0.15	U		#	0.15	± -0.11
	pCi/L	1049	02/06/2000	0001	QA		0	U		#	0.14	± 0.13
Potassium	mg/L	0600	02/04/2000	0001	KM	O	90.300		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	217.000			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	202.000			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	44.100		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	11.800			#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	11.800			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	25.300			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	83.800		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	50.100			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	50.900			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Potassium	mg/L	0730	02/06/2000	0001	AL	N	26.000		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	57.800			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	68.300		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	111.000			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	96.700		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	73.900			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	17.800			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	178.000		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	226.000		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	122.000		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	21.200		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	13.300			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	2.470		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	19.000			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	16.700			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	5.010			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	5.380			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	5.300			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	6.590			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	6.850			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	4.000			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	113.000		L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	44.100			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	10.200			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	11.100			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	10.200			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	9.990			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Potassium	mg/L	0847	02/01/2000	0001	AL	N	3.790			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	3.730			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	16.000			#	-	-
	mg/L	1048	02/06/2000	0001	QA		38.500			#	-	-
	mg/L	1049	02/06/2000	0001	QA		41.900			#	-	-
Radium-226	pCi/L	0600	02/04/2000	0001	KM	O	0.92		L	#	0.18	± 0.15
	pCi/L	0600	02/04/2000	N001	KM	O	1.1		L	#	0.2	± 0.17
	pCi/L	0602	02/01/2000	0001	KM	O	4.73			#	0.14	± 0.38
	pCi/L	0602	02/01/2000	N001	KM	O	4.34			#	0.22	± 0.37
	pCi/L	0603	02/04/2000	0001	AL	N	0.29			#	0.15	± 0.11
	pCi/L	0604	02/01/2000	0001	KM	N	0.54		L	#	0.15	± 0.12
	pCi/L	0725	02/05/2000	0001	AL	N	0.13	U		#	0.13	± 0.08
	pCi/L	0725	02/05/2000	0002	AL	N	0.12	U		#	0.12	± 0.07
	pCi/L	0726	02/06/2000	0001	KM	N	0.62			#	0.14	± 0.13
	pCi/L	0727	02/06/2000	0001	KM	N	3.05		L	#	0.19	± 0.28
	pCi/L	0727	02/06/2000	N001	KM	N	2.76		L	#	0.19	± 0.27
	pCi/L	0728	02/04/2000	0001	AL	N	1.26			#	0.14	± 0.17
	pCi/L	0728	02/04/2000	0002	AL	N	1.29			#	0.14	± 0.18
	pCi/L	0731	02/03/2000	0001	AL	N	0.15			#	0.12	± 0.08
	pCi/L	0813	02/06/2000	0001	AL	N	1.34			#	0.14	± 0.18
	pCi/L	0815	02/07/2000	0001	AL	N	3.62			#	0.17	± 0.32
	pCi/L	0815	02/07/2000	N001	AL	N	4			#	0.18	± 0.35
	pCi/L	0816	02/07/2000	0001	AL	N	0.21			#	0.13	± 0.09
	pCi/L	0819	02/07/2000	0001	KM	N	0.82		L	#	0.14	± 0.14
	pCi/L	0824	02/03/2000	0001	KM	N	0.96		L	#	0.15	± 0.15
	pCi/L	0826	02/04/2000	0001	AL	N	0.91		L	#	0.15	± 0.15
	pCi/L	0827	02/03/2000	0001	AL	N	1.87		L	#	0.14	± 0.21

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Radium-226	pCi/L	0828	02/03/2000	0001	AL	N	0.45			#	0.13	± 0.11
	pCi/L	0830	02/03/2000	0001	KM	N	0.1	U	L	#	0.12	± 0.08
	pCi/L	0832	02/07/2000	0001	AL	N	0.79			#	0.14	± 0.14
	pCi/L	0833	02/06/2000	0001	AL	N	0.14	U		#	0.14	± 0.09
	pCi/L	0835	02/06/2000	0001	AL	N	0.13	U		#	0.13	± 0.08
	pCi/L	0836	01/31/2000	0001	AL	N	0.13	U		#	0.13	± 0.08
	pCi/L	0836	02/06/2000	0001	AL	N	0.11	U		#	0.11	± 0.06
	pCi/L	0837	02/01/2000	0001	AL	N	0.14	U		#	0.14	± 0.08
	pCi/L	0837	02/06/2000	0001	AL	N	0.12	U		#	0.12	± 0.07
	pCi/L	0838	02/06/2000	0001	AL	N	0.11	U		#	0.11	± 0.07
	pCi/L	0839	02/07/2000	0001	AL	N	3.08		L	#	0.15	± 0.30
	pCi/L	0841	02/07/2000	0001	AL	N	0.69			#	0.14	± 0.13
	pCi/L	0843	01/31/2000	0001	AL	N	0.14	U		#	0.14	± 0.08
	pCi/L	0843	02/06/2000	0001	AL	N	0.1	U		#	0.11	± 0.07
	pCi/L	0844	02/06/2000	0001	AL	N	0.3			#	0.12	± 0.09
	pCi/L	0846	02/06/2000	0001	AL	N	0.13			#	0.11	± 0.07
	pCi/L	0847	02/01/2000	0001	AL	N	0.18			#	0.13	± 0.09
	pCi/L	0847	02/01/2000	0002	AL	N	0.16			#	0.11	± 0.07
	pCi/L	0848	02/02/2000	0001	AL	N	1.04			#	0.13	± 0.14
	pCi/L	1048	02/06/2000	0001	QA		0.3			#	0.13	± 0.10
	pCi/L	1049	02/06/2000	0001	QA		0.17			#	0.13	± 0.09
Radium-228	pCi/L	0600	02/04/2000	0001	KM	O	4.01		L	#	0.85	± 0.57
	pCi/L	0600	02/04/2000	0001	KM	O	4		L	#	1.2	± 0.90
	pCi/L	0600	02/04/2000	N001	KM	O	3.8		L	#	1.6	± 1.10
	pCi/L	0600	02/04/2000	N001	KM	O	3.97		L	#	0.97	± 0.64
	pCi/L	0602	02/01/2000	0001	KM	O	11.2			#	1.2	± 0.90
	pCi/L	0602	02/01/2000	0001	KM	O	10.93			#	0.95	± 0.81

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Radium-228	pCi/L	0602	02/01/2000	N001	KM	O	9.64			#	0.84	± 0.71
	pCi/L	0602	02/01/2000	N001	KM	O	11.2			#	1.3	± 1.00
	pCi/L	0603	02/04/2000	0001	AL	N	2.12			#	0.76	± 0.50
	pCi/L	0604	02/01/2000	0001	KM	N	0.85	U	L	#	0.85	± 0.51
	pCi/L	0725	02/05/2000	0001	AL	N	0.78	U		#	0.78	± 0.45
	pCi/L	0725	02/05/2000	0002	AL	N	0.75	U		#	0.75	± 0.44
	pCi/L	0726	02/06/2000	0001	KM	N	0.93			#	0.8	± 0.49
	pCi/L	0727	02/06/2000	0001	KM	N	5.79		L	#	0.84	± 0.61
	pCi/L	0727	02/06/2000	0001	KM	N	5.9		L	#	0.9	± 0.70
	pCi/L	0727	02/06/2000	N001	KM	N	5.6		L	#	1	± 0.80
	pCi/L	0727	02/06/2000	N001	KM	N	5.07		L	#	0.87	± 0.61
	pCi/L	0728	02/04/2000	0001	AL	N	1.2			#	0.76	± 0.47
	pCi/L	0728	02/04/2000	0002	AL	N	0.94			#	0.77	± 0.47
	pCi/L	0731	02/03/2000	0001	AL	N	0.78			#	0.73	± 0.44
	pCi/L	0813	02/06/2000	0001	AL	N	1.78			#	0.79	± 0.50
	pCi/L	0815	02/07/2000	0001	AL	N	2.92			#	0.88	± 0.56
	pCi/L	0815	02/07/2000	0001	AL	N	3.2			#	1.4	± 0.90
	pCi/L	0815	02/07/2000	N001	AL	N	3.37			#	0.92	± 0.60
	pCi/L	0815	02/07/2000	N001	AL	N	3.7			#	0.8	± 0.60
	pCi/L	0816	02/07/2000	0001	AL	N	0.79	U		#	0.79	± 0.47
	pCi/L	0819	02/07/2000	0001	KM	N	1.27		L	#	0.79	± 0.49
	pCi/L	0824	02/03/2000	0001	KM	N	1.13		L	#	0.89	± 0.55
	pCi/L	0826	02/04/2000	0001	AL	N	1.92		L	#	0.77	± 0.50
	pCi/L	0827	02/03/2000	0001	AL	N	2.47		L	#	0.76	± 0.50
	pCi/L	0828	02/03/2000	0001	AL	N	0.79	U		#	0.79	± 0.47
	pCi/L	0830	02/03/2000	0001	KM	N	0.77	U	L	#	0.77	± 0.46
	pCi/L	0832	02/07/2000	0001	AL	N	0.79	U		#	0.79	± 0.47

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Radium-228	pCi/L	0833	02/06/2000	0001	AL	N	0.82	U		#	0.82	± 0.48
	pCi/L	0835	02/06/2000	0001	AL	N	0.77	U		#	0.77	± 0.45
	pCi/L	0836	01/31/2000	0001	AL	N	0.75	U		#	0.75	± 0.44
	pCi/L	0836	02/06/2000	0001	AL	N	0.6	U		#	0.63	± 0.37
	pCi/L	0837	02/01/2000	0001	AL	N	0.76	U		#	0.76	± 0.45
	pCi/L	0837	02/06/2000	0001	AL	N	0.73	U		#	0.73	± 0.43
	pCi/L	0838	02/06/2000	0001	AL	N	0.64	U		#	0.64	± 0.38
	pCi/L	0839	02/07/2000	0001	AL	N	3.34		L	#	0.8	± 0.55
	pCi/L	0841	02/07/2000	0001	AL	N	0.95			#	0.76	± 0.47
	pCi/L	0843	01/31/2000	0001	AL	N	0.77	U		#	0.77	± 0.46
	pCi/L	0843	02/06/2000	0001	AL	N	0.64	U		#	0.64	± 0.38
	pCi/L	0844	02/06/2000	0001	AL	N	0	U		#	0.71	± 0.42
	pCi/L	0846	02/06/2000	0001	AL	N	0.68	U		#	0.68	± 0.40
	pCi/L	0847	02/01/2000	0001	AL	N	0.78	U		#	0.78	± 0.46
	pCi/L	0847	02/01/2000	0002	AL	N	0.67	U		#	0.67	± 0.40
	pCi/L	0848	02/02/2000	0001	AL	N	0.74	U		#	0.74	± 0.44
	pCi/L	1048	02/06/2000	0001	QA		0.82	U		#	0.82	± 0.48
	pCi/L	1049	02/06/2000	0001	QA		0.83	U		#	0.83	± 0.49
Redox Potential	mV	0600	02/04/2000	N001	KM	O	179		L	#	-	-
	mV	0602	02/01/2000	N001	KM	O	207			#	-	-
	mV	0603	02/04/2000	N001	AL	N	202			#	-	-
	mV	0604	02/01/2000	N001	KM	N	192		L	#	-	-
	mV	0725	02/05/2000	N001	AL	N	122			#	-	-
	mV	0726	02/06/2000	N001	KM	N	120			#	-	-
	mV	0727	02/06/2000	N001	KM	N	136		L	#	-	-
	mV	0728	02/04/2000	N001	AL	N	235			#	-	-
	mV	0730	02/06/2000	N001	AL	N	187		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Redox Potential	mV	0731	02/03/2000	N001	AL	N	177			#	-	-
	mV	0812	02/07/2000	N001	AL	N	211		L	#	-	-
	mV	0813	02/06/2000	N001	AL	N	222			#	-	-
	mV	0814	02/06/2000	N001	AL	N	241		L	#	-	-
	mV	0815	02/07/2000	N001	AL	N	196			#	-	-
	mV	0816	02/07/2000	N001	AL	N	180			#	-	-
	mV	0819	02/07/2000	N001	KM	N	210		L	#	-	-
	mV	0820	02/07/2000	N001	KM	N	177		L	#	-	-
	mV	0823	02/03/2000	N001	KM	N	171		L	#	-	-
	mV	0824	02/03/2000	N001	KM	N	216		L	#	-	-
	mV	0826	02/04/2000	N001	AL	N	243		L	#	-	-
	mV	0827	02/03/2000	N001	AL	N	196		L	#	-	-
	mV	0828	02/03/2000	N001	AL	N	199			#	-	-
	mV	0830	02/03/2000	N001	KM	N	252		L	#	-	-
	mV	0832	02/07/2000	N001	AL	N	175			#	-	-
	mV	0833	02/06/2000	N001	AL	N	194			#	-	-
	mV	0835	02/06/2000	N001	AL	N	175			#	-	-
	mV	0836	01/31/2000	N001	AL	N	267			#	-	-
	mV	0836	02/06/2000	N001	AL	N	165			#	-	-
	mV	0837	02/01/2000	N001	AL	N	216			#	-	-
	mV	0837	02/06/2000	N001	AL	N	174			#	-	-
	mV	0838	02/06/2000	N001	AL	N	128			#	-	-
	mV	0839	02/07/2000	N001	AL	N	76		L	#	-	-
	mV	0841	02/07/2000	N001	AL	N	183			#	-	-
	mV	0843	01/31/2000	N001	AL	N	236			#	-	-
	mV	0843	02/06/2000	N001	AL	N	145			#	-	-
	mV	0844	02/06/2000	N001	AL	N	175			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Redox Potential	mV	0846	02/06/2000	N001	AL	N	169			#	-	-
	mV	0847	02/01/2000	N001	AL	N	135			#	-	-
	mV	0848	02/02/2000	N001	AL	N	161			#	-	-
	mV	1048	02/06/2000	N001	QA		9			#	-	-
	mV	1049	02/06/2000	N001	QA		220			#	-	-
Selenium	mg/L	0600	02/04/2000	0001	KM	O	0.0018	B	L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	0.0052			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	0.304			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	0.321		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	0.0836			#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	0.0826			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	0.198			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	0.00071	B	L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	0.0777			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	0.0785			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	0.0173		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	0.170			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	6.520		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	0.0372			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	2.960		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	0.373			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	0.242			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	0.0041	B	L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	0.0039	B	L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	0.0389		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	0.0341		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	0.0034	B		#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Selenium	mg/L	0830	02/03/2000	0001	KM	N	0.0216		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	2.610			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	0.592			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	0.0453			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	0.111			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	0.0976			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	0.0187			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	0.0162			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	0.0272			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	0.002	B	L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	2.940			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	0.001	B		#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	0.0006	B		#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	0.171			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	0.890			#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	0.0295			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	0.0296			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	0.974			#	-	-
	mg/L	1048	02/06/2000	0001	QA		2.090			#	-	-
	mg/L	1049	02/06/2000	0001	QA		2.050			#	-	-
Sodium	mg/L	0600	02/04/2000	0001	KM	O	2460.000		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	3020.000			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	1150.000			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	5410.000		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	1050.000			#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	1050.000			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	1260.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0727	02/06/2000	0001	KM	N	2190.000		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	619.000			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	601.000			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	126.000		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	1170.000			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	6140.000		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	2690.000			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	3370.000		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	3520.000			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	1010.000			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	2850.000		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	5930.000		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	2150.000		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	1330.000		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	431.000			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	132.000		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	2040.000			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	1050.000			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	124.000			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	454.000			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	443.000			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	183.000			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	183.000			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	91.900			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	2120.000		L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	5710.000			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	207.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0843	02/06/2000	0001	AL	N	196.000			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	470.000			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	604.000			#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	99.800			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	92.500			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	1830.000			#	-	-
	mg/L	1048	02/06/2000	0001	QA		7790.000			#	-	-
	mg/L	1049	02/06/2000	0001	QA		7430.000			#	-	-
Specific Conductance	umhos/cm	0600	02/04/2000	N001	KM	O	13830		L	#	-	-
	umhos/cm	0602	02/01/2000	N001	KM	O	18990			#	-	-
	umhos/cm	0603	02/04/2000	N001	AL	N	17490			#	-	-
	umhos/cm	0604	02/01/2000	N001	KM	N	15550		L	#	-	-
	umhos/cm	0725	02/05/2000	N001	AL	N	5720			#	-	-
	umhos/cm	0726	02/06/2000	N001	KM	N	7140			#	-	-
	umhos/cm	0727	02/06/2000	N001	KM	N	16140		L	#	-	-
	umhos/cm	0728	02/04/2000	N001	AL	N	5500			#	-	-
	umhos/cm	0730	02/06/2000	N001	AL	N	4460		L	#	-	-
	umhos/cm	0731	02/03/2000	N001	AL	N	9780			#	-	-
	umhos/cm	0812	02/07/2000	N001	AL	N	24800		L	#	-	-
	umhos/cm	0813	02/06/2000	N001	AL	N	19680			#	-	-
	umhos/cm	0814	02/06/2000	N001	AL	N	33500		L	#	-	-
	umhos/cm	0815	02/07/2000	N001	AL	N	18740			#	-	-
	umhos/cm	0816	02/07/2000	N001	AL	N	7810			#	-	-
	umhos/cm	0819	02/07/2000	N001	KM	N	17680		L	#	-	-
	umhos/cm	0820	02/07/2000	N001	KM	N	20600		L	#	-	-
	umhos/cm	0823	02/03/2000	N001	KM	N	14650		L	#	-	-
	umhos/cm	0824	02/03/2000	N001	KM	N	19740		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0826	02/04/2000	N001	AL	N	15220		L	#	-	-
	umhos/cm	0827	02/03/2000	N001	AL	N	8060		L	#	-	-
	umhos/cm	0828	02/03/2000	N001	AL	N	3960			#	-	-
	umhos/cm	0830	02/03/2000	N001	KM	N	2680		L	#	-	-
	umhos/cm	0832	02/07/2000	N001	AL	N	12420			#	-	-
	umhos/cm	0833	02/06/2000	N001	AL	N	10130			#	-	-
	umhos/cm	0835	02/06/2000	N001	AL	N	2690			#	-	-
	umhos/cm	0836	01/31/2000	N001	AL	N	4950			#	-	-
	umhos/cm	0836	02/06/2000	N001	AL	N	4860			#	-	-
	umhos/cm	0837	02/01/2000	N001	AL	N	3460			#	-	-
	umhos/cm	0837	02/06/2000	N001	AL	N	3420			#	-	-
	umhos/cm	0838	02/06/2000	N001	AL	N	2450			#	-	-
	umhos/cm	0839	02/07/2000	N001	AL	N	15480		L	#	-	-
	umhos/cm	0841	02/07/2000	N001	AL	N	21500			#	-	-
	umhos/cm	0843	01/31/2000	N001	AL	N	3720			#	-	-
	umhos/cm	0843	02/06/2000	N001	AL	N	3650			#	-	-
	umhos/cm	0844	02/06/2000	N001	AL	N	4640			#	-	-
	umhos/cm	0846	02/06/2000	N001	AL	N	5640			#	-	-
	umhos/cm	0847	02/01/2000	N001	AL	N	2320			#	-	-
	umhos/cm	0848	02/02/2000	N001	AL	N	9160			#	-	-
	umhos/cm	1048	02/06/2000	N001	QA		24300			#	-	-
	umhos/cm	1049	02/06/2000	N001	QA		24500			#	-	-
Strontium	mg/L	0600	02/04/2000	0001	KM	O	9.420		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	12.500			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	3.020			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	19.100		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	9.440			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Strontium	mg/L	0725	02/05/2000	0002	AL	N	9.360			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	7.720			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	12.600		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	5.360			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	5.370			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	2.750		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	8.540			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	14.000		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	18.300			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	13.600		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	12.800			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	8.580			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	10.500		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	20.300		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	12.800		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	7.830		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	4.910			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	0.169		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	7.670			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	10.000			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	3.660			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	6.630			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	6.490			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	5.190			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	5.140			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	3.510			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	10.800		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Strontium	mg/L	0841	02/07/2000	0001	AL	N	8.580			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	6.260			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	6.390			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	6.760			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	6.480			#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	3.660			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	3.680			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	8.330			#	-	-
	mg/L	1048	02/06/2000	0001	QA		9.140			#	-	-
	mg/L	1049	02/06/2000	0001	QA		9.210			#	-	-
Sulfate	mg/L	0600	02/04/2000	0001	KM	O	8750.000		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	17400.000			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	8590.000			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	9240.000		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	3640.000			#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	3600.000			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	4710.000			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	12000.000		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	4000.000			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	3960.000			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	2570.000		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	5740.000			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	15600.000		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	12400.000			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	13800.000		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	15300.000			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	5420.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0819	02/07/2000	0001	KM	N	13400.000		L	#	-	-
	mg/L	0820	02/07/2000	0001	KM	N	7040.000		L	#	-	-
	mg/L	0823	02/03/2000	0001	KM	N	3170.000		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	7130.000		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	14100.000		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	4600.000		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	2090.000			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	1760.000		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	6980.000			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	5950.000			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	1440.000			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	2950.000			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	3200.000			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	1860.000			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	1860.000			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	1300.000			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	11700.000		L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	14800.000			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	2170.000			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	2240.000			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	3390.000			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	2890.000			#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	1370.000			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	1390.000			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	5690.000			#	-	-
	mg/L	1048	02/06/2000	0001	QA		17600.000			#	-	-
	mg/L	1049	02/06/2000	0001	QA		17800.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0600	02/04/2000	N001	KM	O	15.5		L	#	-	-
	C	0602	02/01/2000	N001	KM	O	16.5			#	-	-
	C	0603	02/04/2000	N001	AL	N	16.1			#	-	-
	C	0604	02/01/2000	N001	KM	N	15.8		L	#	-	-
	C	0725	02/05/2000	N001	AL	N	11.8			#	-	-
	C	0726	02/06/2000	N001	KM	N	15.8			#	-	-
	C	0727	02/06/2000	N001	KM	N	13.1		L	#	-	-
	C	0728	02/04/2000	N001	AL	N	15			#	-	-
	C	0730	02/06/2000	N001	AL	N	14.6		L	#	-	-
	C	0731	02/03/2000	N001	AL	N	15.8			#	-	-
	C	0812	02/07/2000	N001	AL	N	13.6		L	#	-	-
	C	0813	02/06/2000	N001	AL	N	15.4			#	-	-
	C	0814	02/06/2000	N001	AL	N	15		L	#	-	-
	C	0815	02/07/2000	N001	AL	N	16.4			#	-	-
	C	0816	02/07/2000	N001	AL	N	15.3			#	-	-
	C	0819	02/07/2000	N001	KM	N	16.3		L	#	-	-
	C	0820	02/07/2000	N001	KM	N	14		L	#	-	-
	C	0823	02/03/2000	N001	KM	N	12		L	#	-	-
	C	0824	02/03/2000	N001	KM	N	14.3		L	#	-	-
	C	0826	02/04/2000	N001	AL	N	14.8		L	#	-	-
	C	0827	02/03/2000	N001	AL	N	15.7		L	#	-	-
	C	0828	02/03/2000	N001	AL	N	9.3			#	-	-
	C	0830	02/03/2000	N001	KM	N	11.6		L	#	-	-
	C	0832	02/07/2000	N001	AL	N	15.7			#	-	-
	C	0833	02/06/2000	N001	AL	N	15.2			#	-	-
	C	0835	02/06/2000	N001	AL	N	16.1			#	-	-
	C	0836	01/31/2000	N001	AL	N	14.5			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0836	02/06/2000	N001	AL	N	14.6			#	-	-
	C	0837	02/01/2000	N001	AL	N	14			#	-	-
	C	0837	02/06/2000	N001	AL	N	14.1			#	-	-
	C	0838	02/06/2000	N001	AL	N	16.5			#	-	-
	C	0839	02/07/2000	N001	AL	N	15.9		L	#	-	-
	C	0841	02/07/2000	N001	AL	N	15.7			#	-	-
	C	0843	01/31/2000	N001	AL	N	13.9			#	-	-
	C	0843	02/06/2000	N001	AL	N	14			#	-	-
	C	0844	02/06/2000	N001	AL	N	15.1			#	-	-
	C	0846	02/06/2000	N001	AL	N	15.7			#	-	-
	C	0847	02/01/2000	N001	AL	N	16.1			#	-	-
	C	0848	02/02/2000	N001	AL	N	15.5			#	-	-
	C	1048	02/06/2000	N001	QA		13.1			#	-	-
	C	1049	02/06/2000	N001	QA		12.5			#	-	-
Thorium-228	pCi/L	0600	02/04/2000	0001	KM	O	0.40	U	L	#	0.4	± 0.40
	pCi/L	0600	02/04/2000	N001	KM	O	0.63	U	L	#	0.63	± 0.78
	pCi/L	0602	02/01/2000	0001	KM	O	1.44	U		#	1.44	± 1.76
	pCi/L	0602	02/01/2000	N001	KM	O	0.76		U	#	0.35	± 0.56
	pCi/L	0727	02/06/2000	0001	KM	N	0.52		UL	#	0.36	± 0.51
	pCi/L	0727	02/06/2000	N001	KM	N	0.38	U	L	#	0.38	± 0.46
	pCi/L	0815	02/07/2000	0001	AL	N	0.30	U		#	0.3	± 0.36
	pCi/L	0815	02/07/2000	N001	AL	N	0.47		U	#	0.27	± 0.42
Thorium-230	pCi/L	0600	02/04/2000	0001	KM	O	0.21	B	L	#	0.18	± 0.28
	pCi/L	0600	02/04/2000	N001	KM	O	0.55	B	L	#	0.3	± 0.55
	pCi/L	0602	02/01/2000	0001	KM	O	0.81	B		#	0.63	± 0.95
	pCi/L	0602	02/01/2000	N001	KM	O	0.27	B		#	0.17	± 0.29
	pCi/L	0727	02/06/2000	0001	KM	N	0.24	B	L	#	0.05	± 0.25

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Thorium-230	pCi/L	0727	02/06/2000	N001	KM	N	0.43	B	L	#	0.11	± 0.34
	pCi/L	0815	02/07/2000	0001	AL	N	0.37	B		#	0.1	± 0.30
	pCi/L	0815	02/07/2000	N001	AL	N	0.53	B		#	0.05	± 0.35
Thorium-232	pCi/L	0600	02/04/2000	0001	KM	O	0.13	U	L	#	0.13	± 0.12
	pCi/L	0600	02/04/2000	N001	KM	O	0.16	U	L	#	0.16	± 0.21
	pCi/L	0602	02/01/2000	0001	KM	O	0.32	U		#	0.32	± 0.37
	pCi/L	0602	02/01/2000	N001	KM	O	0.17	U		#	0.17	± -0.12
	pCi/L	0727	02/06/2000	0001	KM	N	0.1	U	L	#	0.13	± 0.18
	pCi/L	0727	02/06/2000	N001	KM	N	0.12	U	L	#	0.12	± 0.13
	pCi/L	0815	02/07/2000	0001	AL	N	0.08	U		#	0.08	± 0.08
	pCi/L	0815	02/07/2000	N001	AL	N	0.17		U	#	0.05	± 0.20
Total Dissolved Solids	mg/L	0600	02/04/2000	0001	KM	O	14600		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	27500			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	13200			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	25800		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	5540	*	J	#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	5530	*	J	#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	7600			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	21600		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	6490			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	6620			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	3720		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	10500			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	34900		L	#	-	-
	mg/L	0813	02/06/2000	0001	AL	N	29600			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	27100		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	27900			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0816	02/07/2000	0001	AL	N	8900			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	22200		L	#	-	-
	mg/L	0820	02/07/2000	0001	KM	N	4100		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	19100		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	22100		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	9040		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	4040			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	2660		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	12900			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	10400			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	2490			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	5060			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	5040			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	3350			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	3240			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	2240			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	20900		L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	25000			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	3650			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	3650			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	5360			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	5430			#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	2400			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	2390			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	10100			#	-	-
	mg/L	1048	02/06/2000	0001	QA		32000			#	-	-
	mg/L	1049	02/06/2000	0001	QA		32000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0600	02/04/2000	N001	KM	O	4.74		L	#	-	-
	NTU	0602	02/01/2000	N001	KM	O	7.9			#	-	-
	NTU	0603	02/04/2000	N001	AL	N	1.29			#	-	-
	NTU	0604	02/01/2000	N001	KM	N	1000	>	L	#	-	-
	NTU	0725	02/05/2000	N001	AL	N	9.4			#	-	-
	NTU	0726	02/06/2000	N001	KM	N	1.92			#	-	-
	NTU	0727	02/06/2000	N001	KM	N	324		L	#	-	-
	NTU	0728	02/04/2000	N001	AL	N	2.7			#	-	-
	NTU	0730	02/06/2000	N001	AL	N	23.7		L	#	-	-
	NTU	0731	02/03/2000	N001	AL	N	72.2			#	-	-
	NTU	0812	02/07/2000	N001	AL	N	79.1		L	#	-	-
	NTU	0813	02/06/2000	N001	AL	N	7.68			#	-	-
	NTU	0814	02/06/2000	N001	AL	N	84.8		L	#	-	-
	NTU	0815	02/07/2000	N001	AL	N	4.54			#	-	-
	NTU	0816	02/07/2000	N001	AL	N	7.47			#	-	-
	NTU	0819	02/07/2000	N001	KM	N	31.7		L	#	-	-
	NTU	0820	02/07/2000	N001	KM	N	1000	>	L	#	-	-
	NTU	0823	02/03/2000	N001	KM	N	1000	>	L	#	-	-
	NTU	0824	02/03/2000	N001	KM	N	133		L	#	-	-
	NTU	0826	02/04/2000	N001	AL	N	37.1		L	#	-	-
	NTU	0827	02/03/2000	N001	AL	N	13.6		L	#	-	-
	NTU	0828	02/03/2000	N001	AL	N	4.63			#	-	-
	NTU	0830	02/03/2000	N001	KM	N	1000	>	L	#	-	-
	NTU	0832	02/07/2000	N001	AL	N	62.8			#	-	-
	NTU	0833	02/06/2000	N001	AL	N	8.18			#	-	-
	NTU	0835	02/06/2000	N001	AL	N	4.67			#	-	-
	NTU	0836	01/31/2000	N001	AL	N	17.7			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0836	02/06/2000	N001	AL	N	13.6			#	-	-
	NTU	0837	02/01/2000	N001	AL	N	7.27			#	-	-
	NTU	0837	02/06/2000	N001	AL	N	17.3			#	-	-
	NTU	0838	02/06/2000	N001	AL	N	112			#	-	-
	NTU	0839	02/07/2000	N001	AL	N	42.4		L	#	-	-
	NTU	0841	02/07/2000	N001	AL	N	8.64			#	-	-
	NTU	0843	01/31/2000	N001	AL	N	3.08			#	-	-
	NTU	0843	02/06/2000	N001	AL	N	7.45			#	-	-
	NTU	0844	02/06/2000	N001	AL	N	7.18			#	-	-
	NTU	0846	02/06/2000	N001	AL	N	6.25			#	-	-
	NTU	0847	02/01/2000	N001	AL	N	0.79			#	-	-
	NTU	0848	02/02/2000	N001	AL	N	2.07			#	-	-
	NTU	1048	02/06/2000	N001	QA		1000	>		#	-	-
	NTU	1049	02/06/2000	N001	QA		100			#	-	-
Uranium	mg/L	0600	02/04/2000	0001	KM	O	1.180		L	#	-	-
	mg/L	0602	02/01/2000	0001	KM	O	0.726			#	-	-
	mg/L	0603	02/04/2000	0001	AL	N	0.0121			#	-	-
	mg/L	0604	02/01/2000	0001	KM	N	0.0807		L	#	-	-
	mg/L	0725	02/05/2000	0001	AL	N	0.0781			#	-	-
	mg/L	0725	02/05/2000	0002	AL	N	0.077			#	-	-
	mg/L	0726	02/06/2000	0001	KM	N	0.0206			#	-	-
	mg/L	0727	02/06/2000	0001	KM	N	0.432		L	#	-	-
	mg/L	0728	02/04/2000	0001	AL	N	0.252			#	-	-
	mg/L	0728	02/04/2000	0002	AL	N	0.261			#	-	-
	mg/L	0730	02/06/2000	0001	AL	N	0.0021		L	#	-	-
	mg/L	0731	02/03/2000	0001	AL	N	0.043			#	-	-
	mg/L	0812	02/07/2000	0001	AL	N	0.119		L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0813	02/06/2000	0001	AL	N	0.147			#	-	-
	mg/L	0814	02/06/2000	0001	AL	N	0.127		L	#	-	-
	mg/L	0815	02/07/2000	0001	AL	N	0.323			#	-	-
	mg/L	0816	02/07/2000	0001	AL	N	0.0749			#	-	-
	mg/L	0819	02/07/2000	0001	KM	N	1.390		L	#	-	-
	mg/L	0824	02/03/2000	0001	KM	N	0.172		L	#	-	-
	mg/L	0826	02/04/2000	0001	AL	N	3.080		L	#	-	-
	mg/L	0827	02/03/2000	0001	AL	N	0.781		L	#	-	-
	mg/L	0828	02/03/2000	0001	AL	N	0.388			#	-	-
	mg/L	0830	02/03/2000	0001	KM	N	0.0051		L	#	-	-
	mg/L	0832	02/07/2000	0001	AL	N	0.075			#	-	-
	mg/L	0833	02/06/2000	0001	AL	N	0.123			#	-	-
	mg/L	0835	02/06/2000	0001	AL	N	0.0258			#	-	-
	mg/L	0836	01/31/2000	0001	AL	N	0.0537			#	-	-
	mg/L	0836	02/06/2000	0001	AL	N	0.0525			#	-	-
	mg/L	0837	02/01/2000	0001	AL	N	0.043			#	-	-
	mg/L	0837	02/06/2000	0001	AL	N	0.0421			#	-	-
	mg/L	0838	02/06/2000	0001	AL	N	0.0252			#	-	-
	mg/L	0839	02/07/2000	0001	AL	N	0.589		L	#	-	-
	mg/L	0841	02/07/2000	0001	AL	N	0.094			#	-	-
	mg/L	0843	01/31/2000	0001	AL	N	0.0289			#	-	-
	mg/L	0843	02/06/2000	0001	AL	N	0.0286			#	-	-
	mg/L	0844	02/06/2000	0001	AL	N	0.0495			#	-	-
	mg/L	0846	02/06/2000	0001	AL	N	0.0458			#	-	-
	mg/L	0847	02/01/2000	0001	AL	N	0.021			#	-	-
	mg/L	0847	02/01/2000	0002	AL	N	0.0197			#	-	-
	mg/L	0848	02/02/2000	0001	AL	N	0.0474			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:15 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	1048	02/06/2000	0001	QA		0.136			#	-	
	mg/L	1049	02/06/2000	0001	QA		0.135			#	-	
Vanadium	mg/L	0603	02/04/2000	0001	AL	N	0.119			#		
	mg/L	0730	02/06/2000	0001	AL	N	0.814		L	#		
	mg/L	0830	02/03/2000	0001	KM	N	0.157		L	#		

RECORDS: SELECTED FROM USEE200 WHERE site_code='SHP02' AND quality_assurance = TRUE AND (NOT (data_validation_qualifiers LIKE "R" OR data_validation_qualifiers LIKE "X") OR IsNull(data_validation_qualifiers)) AND DATE_SAMPLED between #1/30/2000# and #2/28/2000#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Result above upper detection limit.

DATA QUALIFIERS:

- J Estimated value.
- L Less than 3 bore volumes purged prior to sampling.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- R Unusable result.
- G Possible grout contamination, pH > 9.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0546	2/05/2000	0001	127			#	-	-
	mg/L	0546	2/05/2000	N001	125			#	-	-
	mg/L	0548	2/05/2000	0001	113			#	-	-
	mg/L	0548	2/05/2000	N001	122			#	-	-
	mg/L	0553	2/03/2000	0001	125			#	-	-
	mg/L	0553	2/03/2000	N001	130			#	-	-
	mg/L	0555	2/02/2000	0001	116			#	-	-
	mg/L	0555	2/02/2000	N001	119			#	-	-
	mg/L	0655	2/03/2000	0001	344			#	-	-
	mg/L	0655	2/03/2000	N001	339			#	-	-
	mg/L	0657	2/02/2000	0001	148			#	-	-
	mg/L	0657	2/02/2000	N001	148			#	-	-
	mg/L	0658	2/02/2000	0001	231			#	-	-
	mg/L	0658	2/02/2000	N001	238			#	-	-
	mg/L	0887	2/05/2000	0001	307			#	-	-
	mg/L	0887	2/05/2000	N001	314			#	-	-
	mg/L	0893	2/04/2000	0001	117			#	-	-
	mg/L	0893	2/04/2000	N001	112			#	-	-
	mg/L	0894	2/03/2000	0001	344			#	-	-
	mg/L	0894	2/03/2000	N001	350			#	-	-
	mg/L	0895	2/03/2000	0001	126			#	-	-
	mg/L	0895	2/03/2000	N001	127			#	-	-
	mg/L	0896	2/03/2000	0001	138			#	-	-
	mg/L	0896	2/03/2000	N001	132			#	-	-
	mg/L	0897	2/05/2000	0001	126			#	-	-
	mg/L	0897	2/05/2000	N001	144			#	-	-
	mg/L	0898	2/02/2000	0001	127			#	-	-
	mg/L	0898	2/02/2000	N001	131			#	-	-
	mg/L	0939	2/06/2000	0001	300			#	-	-
	mg/L	0939	2/06/2000	N001	307			#	-	-
	mg/L	0940	2/03/2000	0001	132			#	-	-
	mg/L	0940	2/03/2000	N001	124			#	-	-
	mg/L	0941	2/03/2000	0001	137			#	-	-
	mg/L	0941	2/03/2000	N001	129			#	-	-
Ammonium	mg/L	0546	2/05/2000	0001	0.022	BN	J	#	-	-
	mg/L	0548	2/05/2000	0001	0.0245	BN	J	#	-	-
	mg/L	0553	2/03/2000	0001	0.0568	B		#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Ammonium	mg/L	0555	2/02/2000	0001	0.0284	B		#	-	-
	mg/L	0655	2/03/2000	0001	0.0491	B		#	-	-
	mg/L	0657	2/02/2000	0001	0.230			#	-	-
	mg/L	0658	2/02/2000	0001	1.020			#	-	-
	mg/L	0887	2/05/2000	0001	0.0322	BN	J	#	-	-
	mg/L	0888	2/04/2000	0001	0.0271	BN	J	#	-	-
	mg/L	0893	2/04/2000	0001	0.0245	BN	J	#	-	-
	mg/L	0894	2/03/2000	0001	0.0568	B		#	-	-
	mg/L	0895	2/03/2000	0001	0.0465	B		#	-	-
	mg/L	0896	2/03/2000	0001	0.0387	B		#	-	-
	mg/L	0897	2/05/2000	0001	0.0663	B		#	-	-
	mg/L	0898	2/02/2000	0001	0.0347	B		#	-	-
	mg/L	0939	2/06/2000	0001	0.0681	BN	J	#	-	-
	mg/L	0940	2/03/2000	0001	0.173			#	-	-
	mg/L	0941	2/03/2000	0001	0.0543	B		#	-	-
Antimony	mg/L	0546	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0548	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0553	2/03/2000	0001	0.0006	B	U	#	-	-
	mg/L	0555	2/02/2000	0001	0.0006	B	U	#	-	-
	mg/L	0655	2/03/2000	0001	0.0009	B	U	#	-	-
	mg/L	0657	2/02/2000	0001	0.0014	B	U	#	-	-
	mg/L	0658	2/02/2000	0001	0.0007	B	U	#	-	-
	mg/L	0887	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0888	2/04/2000	0001	0.0004	B		#	-	-
	mg/L	0893	2/04/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0894	2/03/2000	0001	0.0014	B	U	#	-	-
	mg/L	0895	2/03/2000	0001	0.0006	B	U	#	-	-
	mg/L	0896	2/03/2000	0001	0.0006	B	U	#	-	-
	mg/L	0897	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0898	2/02/2000	0001	0.0006	B	U	#	-	-
	mg/L	0939	2/06/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0940	2/03/2000	0001	0.0006	B	U	#	-	-
	mg/L	0941	2/03/2000	0001	0.0007	B	U	#	-	-
Arsenic	mg/L	0546	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0548	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0553	2/03/2000	0001	0.0005	B		#	-	-
	mg/L	0555	2/02/2000	0001	0.0004	U		#	0.0004	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Arsenic	mg/L	0655	2/03/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0657	2/02/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0658	2/02/2000	0001	0.0006	B		#	-	-
	mg/L	0887	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0888	2/04/2000	0001	0.0004	B		#	-	-
	mg/L	0893	2/04/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0894	2/03/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0895	2/03/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0896	2/03/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0897	2/05/2000	0001	0.0004	B		#	-	-
	mg/L	0898	2/02/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0939	2/06/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0940	2/03/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0941	2/03/2000	0001	0.0004	U		#	0.0004	-
Cadmium	mg/L	0546	2/05/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0548	2/05/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0553	2/03/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0555	2/02/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0655	2/03/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0657	2/02/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0658	2/02/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0887	2/05/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0888	2/04/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0893	2/04/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0894	2/03/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0895	2/03/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0896	2/03/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0897	2/05/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0898	2/02/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0939	2/06/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0940	2/03/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0941	2/03/2000	0001	0.0003	U		#	0.0003	-
Calcium	mg/L	0546	2/05/2000	0001	68.600	E	J	#	-	-
	mg/L	0548	2/05/2000	0001	69.100	E	J	#	-	-
	mg/L	0553	2/03/2000	0001	67.600			#	-	-
	mg/L	0555	2/02/2000	0001	68.800			#	-	-
	mg/L	0655	2/03/2000	0001	401.000			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Calcium	mg/L	0657	2/02/2000	0001	259.000			#	-	-
	mg/L	0658	2/02/2000	0001	308.000			#	-	-
	mg/L	0887	2/05/2000	0001	489.000	E	J	#	-	-
	mg/L	0888	2/04/2000	0001	80.300	E	J	#	-	-
	mg/L	0893	2/04/2000	0001	68.500	E	J	#	-	-
	mg/L	0894	2/03/2000	0001	398.000			#	-	-
	mg/L	0895	2/03/2000	0001	68.800			#	-	-
	mg/L	0896	2/03/2000	0001	69.300			#	-	-
	mg/L	0897	2/05/2000	0001	69.000			#	-	-
	mg/L	0898	2/02/2000	0001	67.600			#	-	-
	mg/L	0939	2/06/2000	0001	458.000	E	J	#	-	-
	mg/L	0940	2/03/2000	0001	78.600			#	-	-
	mg/L	0941	2/03/2000	0001	72.100			#	-	-
Chloride	mg/L	0546	2/05/2000	0001	16.200			#	-	-
	mg/L	0548	2/05/2000	0001	16.400			#	-	-
	mg/L	0553	2/03/2000	0001	18.200			#	-	-
	mg/L	0555	2/02/2000	0001	16.500			#	-	-
	mg/L	0655	2/03/2000	0001	124.000			#	-	-
	mg/L	0657	2/02/2000	0001	85.300			#	-	-
	mg/L	0658	2/02/2000	0001	112.000			#	-	-
	mg/L	0887	2/05/2000	0001	83.800			#	-	-
	mg/L	0888	2/04/2000	0001	26.000			#	-	-
	mg/L	0893	2/04/2000	0001	17.700			#	-	-
	mg/L	0894	2/03/2000	0001	125.000			#	-	-
	mg/L	0895	2/03/2000	0001	17.500			#	-	-
	mg/L	0896	2/03/2000	0001	17.900			#	-	-
	mg/L	0897	2/05/2000	0001	18.100			#	-	-
	mg/L	0898	2/02/2000	0001	17.300			#	-	-
	mg/L	0939	2/06/2000	0001	55.200			#	-	-
	mg/L	0940	2/03/2000	0001	33.900			#	-	-
	mg/L	0941	2/03/2000	0001	18.900			#	-	-
Fluoride	mg/L	0546	2/05/2000	0001	0.308			#	-	-
	mg/L	0548	2/05/2000	0001	0.297			#	-	-
	mg/L	0553	2/03/2000	0001	0.318			#	-	-
	mg/L	0555	2/02/2000	0001	0.316			#	-	-
	mg/L	0655	2/03/2000	0001	1.800			#	-	-
	mg/L	0657	2/02/2000	0001	2.020			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Fluoride	mg/L	0658	2/02/2000	0001	1.970			#	-	-
	mg/L	0887	2/05/2000	0001	0.467	B		#	-	-
	mg/L	0888	2/04/2000	0001	0.571			#	-	-
	mg/L	0893	2/04/2000	0001	0.332			#	-	-
	mg/L	0894	2/03/2000	0001	1.840			#	-	-
	mg/L	0895	2/03/2000	0001	0.308			#	-	-
	mg/L	0896	2/03/2000	0001	0.317			#	-	-
	mg/L	0897	2/05/2000	0001	0.303			#	-	-
	mg/L	0898	2/02/2000	0001	0.381			#	-	-
	mg/L	0939	2/06/2000	0001	0.567			#	-	-
	mg/L	0940	2/03/2000	0001	0.289			#	-	-
	mg/L	0941	2/03/2000	0001	0.291			#	-	-
Gross Alpha	pCi/L	0546	2/05/2000	0001	3.77	U		#	3.77	± 2.49
	pCi/L	0548	2/05/2000	0001	3.9	U		#	3.96	± 2.61
	pCi/L	0553	2/03/2000	0001	3.86	U		#	3.86	± 2.37
	pCi/L	0555	2/02/2000	0001	3.74	U		#	3.74	± 1.92
	pCi/L	0655	2/03/2000	0001	66.37			#	54.19	± 38.3
	pCi/L	0657	2/02/2000	0001	39.27			#	35.01	± 24.2
	pCi/L	0658	2/02/2000	0001	38.12	U		#	38.12	± 25.1
	pCi/L	0887	2/05/2000	0001	45.31			#	35.42	± 25.3
	pCi/L	0888	2/04/2000	0001	5.4	U		#	5.48	± 3.42
	pCi/L	0893	2/04/2000	0001	4.30	U		#	4.3	± 2.57
	pCi/L	0894	2/03/2000	0001	53.85	U		#	53.85	± 36.1
	pCi/L	0895	2/03/2000	0001	3.85	U		#	3.85	± 2.22
	pCi/L	0896	2/03/2000	0001	4.00	U		#	4	± 2.33
	pCi/L	0897	2/05/2000	0001	3.88	U	J	#	3.88	± 2.53
	pCi/L	0898	2/02/2000	0001	3.92	U		#	3.92	± 2.37
	pCi/L	0939	2/06/2000	0001	32.77			#	27.7	± 19.4
	pCi/L	0940	2/03/2000	0001	30.67			#	7.93	± 7.96
	pCi/L	0941	2/03/2000	0001	4.66			#	4.51	± 3.07
Gross Beta	pCi/L	0546	2/05/2000	0001	4.05	U		#	4.05	± 2.48
	pCi/L	0548	2/05/2000	0001	4	U		#	4.33	± 2.63
	pCi/L	0553	2/03/2000	0001	4.06	U		#	4.06	± 2.44
	pCi/L	0555	2/02/2000	0001	4.76			#	3.81	± 2.42
	pCi/L	0655	2/03/2000	0001	60.56	U		#	60.56	± 37.5
	pCi/L	0657	2/02/2000	0001	46.06			#	40.2	± 25.3
	pCi/L	0658	2/02/2000	0001	40.59	U		#	40.59	± 24.5

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Gross Beta	pCi/L	0887	2/05/2000	0001	40.28	U		#	40.28	± 24.5
	pCi/L	0888	2/04/2000	0001	6.05	U		#	6.05	± 3.66
	pCi/L	0893	2/04/2000	0001	5.67			#	4.66	± 2.96
	pCi/L	0894	2/03/2000	0001	78.54			#	60.42	± 38.6
	pCi/L	0895	2/03/2000	0001	4.05	U		#	4.05	± 2.44
	pCi/L	0896	2/03/2000	0001	4.33	U		#	4.33	± 2.64
	pCi/L	0897	2/05/2000	0001	4.0	U		#	4.07	± 2.51
	pCi/L	0898	2/02/2000	0001	5.28			#	4.06	± 2.60
	pCi/L	0939	2/06/2000	0001	30.35	U		#	30.35	± 18.3
	pCi/L	0940	2/03/2000	0001	22.6			#	8.78	± 6.15
	pCi/L	0941	2/03/2000	0001	4.7	U		#	4.7	± 2.86
Iron	mg/L	0546	2/05/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0548	2/05/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0553	2/03/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0555	2/02/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0655	2/03/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0657	2/02/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0658	2/02/2000	0001	0.0818			#	-	-
	mg/L	0887	2/05/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0888	2/04/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0893	2/04/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0894	2/03/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0895	2/03/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0896	2/03/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0897	2/05/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0898	2/02/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0939	2/06/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0940	2/03/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0941	2/03/2000	0001	0.0144	U		#	0.0144	-
Magnesium	mg/L	0546	2/05/2000	0001	13.900			#	-	-
	mg/L	0548	2/05/2000	0001	14.100			#	-	-
	mg/L	0553	2/03/2000	0001	14.000			#	-	-
	mg/L	0555	2/02/2000	0001	14.200			#	-	-
	mg/L	0655	2/03/2000	0001	199.000			#	-	-
	mg/L	0657	2/02/2000	0001	71.900			#	-	-
	mg/L	0658	2/02/2000	0001	78.800			#	-	-
	mg/L	0887	2/05/2000	0001	270.000			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0888	2/04/2000	0001	25.900			#	-	-
	mg/L	0893	2/04/2000	0001	15.500			#	-	-
	mg/L	0894	2/03/2000	0001	201.000			#	-	-
	mg/L	0895	2/03/2000	0001	14.800			#	-	-
	mg/L	0896	2/03/2000	0001	14.700			#	-	-
	mg/L	0897	2/05/2000	0001	14.700			#	-	-
	mg/L	0898	2/02/2000	0001	14.700			#	-	-
	mg/L	0939	2/06/2000	0001	198.000			#	-	-
	mg/L	0940	2/03/2000	0001	52.300			#	-	-
	mg/L	0941	2/03/2000	0001	19.700			#	-	-
Manganese	mg/L	0546	2/05/2000	0001	0.0095	B		#	-	-
	mg/L	0548	2/05/2000	0001	0.0081	B		#	-	-
	mg/L	0553	2/03/2000	0001	0.0064	B		#	-	-
	mg/L	0555	2/02/2000	0001	0.0115		U	#	-	-
	mg/L	0655	2/03/2000	0001	0.691			#	-	-
	mg/L	0657	2/02/2000	0001	0.0421			#	-	-
	mg/L	0658	2/02/2000	0001	0.191			#	-	-
	mg/L	0887	2/05/2000	0001	0.168			#	-	-
	mg/L	0888	2/04/2000	0001	0.326			#	-	-
	mg/L	0893	2/04/2000	0001	0.0122			#	-	-
	mg/L	0894	2/03/2000	0001	0.592			#	-	-
	mg/L	0895	2/03/2000	0001	0.0114			#	-	-
	mg/L	0896	2/03/2000	0001	0.0082	B	U	#	-	-
	mg/L	0897	2/05/2000	0001	0.0046	B	U	#	-	-
	mg/L	0898	2/02/2000	0001	0.009	B		#	-	-
	mg/L	0939	2/06/2000	0001	0.697			#	-	-
	mg/L	0940	2/03/2000	0001	0.044			#	-	-
	mg/L	0941	2/03/2000	0001	0.0496			#	-	-
Molybdenum	mg/L	0546	2/05/2000	0001	0.0015	B		#	-	-
	mg/L	0548	2/05/2000	0001	0.0014	B		#	-	-
	mg/L	0553	2/03/2000	0001	0.0025	B	U	#	-	-
	mg/L	0555	2/02/2000	0001	0.0024	B	U	#	-	-
	mg/L	0655	2/03/2000	0001	0.0097	B		#	-	-
	mg/L	0657	2/02/2000	0001	0.0093	B		#	-	-
	mg/L	0658	2/02/2000	0001	0.0058	B		#	-	-
	mg/L	0887	2/05/2000	0001	0.0055	B		#	-	-
	mg/L	0888	2/04/2000	0001	0.0075	B		#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Molybdenum	mg/L	0893	2/04/2000	0001	0.0018	B		#	-	-
	mg/L	0894	2/03/2000	0001	0.0099	B		#	-	-
	mg/L	0895	2/03/2000	0001	0.0023	B	U	#	-	-
	mg/L	0896	2/03/2000	0001	0.0024	B	U	#	-	-
	mg/L	0897	2/05/2000	0001	0.0017	B		#	-	-
	mg/L	0898	2/02/2000	0001	0.0031	B	U	#	-	-
	mg/L	0939	2/06/2000	0001	0.0061	B		#	-	-
	mg/L	0940	2/03/2000	0001	0.0024	B	U	#	-	-
	mg/L	0941	2/03/2000	0001	0.0025	B	U	#	-	-
Nitrate	mg/L	0546	2/05/2000	0001	1.770			#	-	-
	mg/L	0548	2/05/2000	0001	2.290			#	-	-
	mg/L	0553	2/03/2000	0001	2.130			#	-	-
	mg/L	0555	2/02/2000	0001	2.680			#	-	-
	mg/L	0655	2/03/2000	0001	103.000			#	-	-
	mg/L	0657	2/02/2000	0001	21.500			#	-	-
	mg/L	0658	2/02/2000	0001	5.630			#	-	-
	mg/L	0887	2/05/2000	0001	203.000			#	-	-
	mg/L	0888	2/04/2000	0001	2.290			#	-	-
	mg/L	0893	2/04/2000	0001	2.710			#	-	-
	mg/L	0894	2/03/2000	0001	104.000			#	-	-
	mg/L	0895	2/03/2000	0001	1.880			#	-	-
	mg/L	0896	2/03/2000	0001	2.630			#	-	-
	mg/L	0897	2/05/2000	0001	2.630			#	-	-
	mg/L	0898	2/02/2000	0001	2.600			#	-	-
	mg/L	0939	2/06/2000	0001	98.200			#	-	-
	mg/L	0940	2/03/2000	0001	22.500			#	-	-
	mg/L	0941	2/03/2000	0001	1.740			#	-	-
pH	s.u.	0546	2/05/2000	N001	8.59			#	-	-
	s.u.	0548	2/05/2000	N001	9.11			#	-	-
	s.u.	0553	2/03/2000	N001	8.64			#	-	-
	s.u.	0555	2/02/2000	N001	8.41			#	-	-
	s.u.	0655	2/03/2000	N001	7.86			#	-	-
	s.u.	0657	2/02/2000	N001	7.01			#	-	-
	s.u.	0658	2/02/2000	N001	8.26			#	-	-
	s.u.	0887	2/05/2000	N001	7.55			#	-	-
	s.u.	0888	2/04/2000	N001	8.65			#	-	-
	s.u.	0893	2/04/2000	N001	8.42			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0894	2/03/2000	N001	7.77			#	-	-
	s.u.	0895	2/03/2000	N001	8.13			#	-	-
	s.u.	0896	2/03/2000	N001	8.23			#	-	-
	s.u.	0897	2/05/2000	N001	8.79			#	-	-
	s.u.	0898	2/02/2000	N001	8.21			#	-	-
	s.u.	0939	2/06/2000	N001	9.29			#	-	-
	s.u.	0940	2/03/2000	N001	8.34			#	-	-
	s.u.	0941	2/03/2000	N001	8.34			#	-	-
Polonium-210	pCi/L	0546	2/05/2000	0001	0	U		#	0.15	± -0.14
	pCi/L	0548	2/05/2000	0001	0	U		#	0.14	± 0.13
	pCi/L	0553	2/03/2000	0001	0.15	U		#	0.15	± -0.14
	pCi/L	0555	2/02/2000	0001	0.10	U		#	0.1	± 0.10
	pCi/L	0655	2/03/2000	0001	0.14	U		#	0.14	± 0.13
	pCi/L	0657	2/02/2000	0001	0.16	U		#	0.16	± -0.14
	pCi/L	0658	2/02/2000	0001	0.27	U		#	0.27	± 0.27
	pCi/L	0887	2/05/2000	0001	0.09	U		#	0.09	± -0.07
	pCi/L	0888	2/04/2000	0001	0.16	U		#	0.16	± 0.15
	pCi/L	0893	2/04/2000	0001	0.12	U		#	0.12	± -0.10
	pCi/L	0894	2/03/2000	0001	0	U		#	0.17	± 0.15
	pCi/L	0895	2/03/2000	0001	0.17	U		#	0.17	± 0.17
	pCi/L	0896	2/03/2000	0001	0.15	U		#	0.15	± -0.13
	pCi/L	0897	2/05/2000	0001	0.14	U		#	0.14	± 0.15
	pCi/L	0898	2/02/2000	0001	0	U		#	0.12	± 0.11
	pCi/L	0939	2/06/2000	0001	0.10	U		#	0.1	± 0.11
	pCi/L	0940	2/03/2000	0001	0.17	U		#	0.17	± -0.14
	pCi/L	0941	2/03/2000	0001	0.12	U		#	0.12	± 0.12
Potassium	mg/L	0546	2/05/2000	0001	2.230			#	-	-
	mg/L	0548	2/05/2000	0001	2.270			#	-	-
	mg/L	0553	2/03/2000	0001	2.290			#	-	-
	mg/L	0555	2/02/2000	0001	2.380			#	-	-
	mg/L	0655	2/03/2000	0001	13.900			#	-	-
	mg/L	0657	2/02/2000	0001	11.900			#	-	-
	mg/L	0658	2/02/2000	0001	14.400			#	-	-
	mg/L	0887	2/05/2000	0001	10.100			#	-	-
	mg/L	0888	2/04/2000	0001	3.710			#	-	-
	mg/L	0893	2/04/2000	0001	2.530			#	-	-
	mg/L	0894	2/03/2000	0001	13.700			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Potassium	mg/L	0895	2/03/2000	0001	2.420			#	-	-
	mg/L	0896	2/03/2000	0001	2.380			#	-	-
	mg/L	0897	2/05/2000	0001	2.500			#	-	-
	mg/L	0898	2/02/2000	0001	2.490			#	-	-
	mg/L	0939	2/06/2000	0001	8.460			#	-	-
	mg/L	0940	2/03/2000	0001	3.390			#	-	-
	mg/L	0941	2/03/2000	0001	2.620			#	-	-
Radium-226	pCi/L	0546	2/05/2000	0001	0	U		#	0.12	± 0.07
	pCi/L	0548	2/05/2000	0001	0.12	U		#	0.12	± 0.07
	pCi/L	0553	2/03/2000	0001	0.15	U		#	0.15	± 0.09
	pCi/L	0555	2/02/2000	0001	0.13	U		#	0.13	± 0.07
	pCi/L	0655	2/03/2000	0001	0.15	U		#	0.15	± 0.08
	pCi/L	0657	2/02/2000	0001	0.59			#	0.16	± 0.13
	pCi/L	0658	2/02/2000	0001	0.34			#	0.13	± 0.10
	pCi/L	0887	2/05/2000	0001	0.13			#	0.11	± 0.07
	pCi/L	0888	2/04/2000	0001	0.1	U		#	0.13	± 0.08
	pCi/L	0893	2/04/2000	0001	0.12	U		#	0.12	± 0.08
	pCi/L	0894	2/03/2000	0001	0.13	U		#	0.13	± 0.07
	pCi/L	0895	2/03/2000	0001	0.14	U		#	0.14	± 0.08
	pCi/L	0896	2/03/2000	0001	0.15	U		#	0.15	± 0.08
	pCi/L	0897	2/05/2000	0001	0.13	U		#	0.13	± 0.07
	pCi/L	0898	2/02/2000	0001	0.14	U		#	0.14	± 0.08
	pCi/L	0939	2/06/2000	0001	0.13	U		#	0.13	± 0.08
	pCi/L	0940	2/03/2000	0001	0.16	U		#	0.16	± 0.09
	pCi/L	0941	2/03/2000	0001	0.13	U		#	0.13	± 0.07
Radium-228	pCi/L	0546	2/05/2000	0001	0.80	U		#	0.8	± 0.47
	pCi/L	0548	2/05/2000	0001	0.79	U		#	0.79	± 0.46
	pCi/L	0553	2/03/2000	0001	0.91	U		#	0.91	± 0.53
	pCi/L	0555	2/02/2000	0001	0.73	U		#	0.73	± 0.42
	pCi/L	0655	2/03/2000	0001	0.89	U		#	0.89	± 0.53
	pCi/L	0657	2/02/2000	0001	0.95	U		#	0.95	± 0.56
	pCi/L	0658	2/02/2000	0001	0.72	U		#	0.72	± 0.43
	pCi/L	0887	2/05/2000	0001	0.65	U		#	0.65	± 0.38
	pCi/L	0888	2/04/2000	0001	0.82	U		#	0.82	± 0.48
	pCi/L	0893	2/04/2000	0001	0.80	U		#	0.8	± 0.47
	pCi/L	0894	2/03/2000	0001	0.76	U		#	0.76	± 0.44
	pCi/L	0895	2/03/2000	0001	0.82	U		#	0.82	± 0.48

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Radium-228	pCi/L	0896	2/03/2000	0001	0.86	U		#	0.86	± 0.51
	pCi/L	0897	2/05/2000	0001	0.81	U		#	0.81	± 0.47
	pCi/L	0898	2/02/2000	0001	0.84	U		#	0.84	± 0.48
	pCi/L	0939	2/06/2000	0001	0.76	U		#	0.76	± 0.44
	pCi/L	0940	2/03/2000	0001	0.96	U		#	0.96	± 0.57
	pCi/L	0941	2/03/2000	0001	0.77	U		#	0.77	± 0.45
Redox Potential	mV	0546	2/05/2000	N001	184			#	-	-
	mV	0548	2/05/2000	N001	136			#	-	-
	mV	0553	2/03/2000	N001	168			#	-	-
	mV	0555	2/02/2000	N001	197			#	-	-
	mV	0655	2/03/2000	N001	190			#	-	-
	mV	0657	2/02/2000	N001	206			#	-	-
	mV	0658	2/02/2000	N001	200			#	-	-
	mV	0887	2/05/2000	N001	155			#	-	-
	mV	0888	2/04/2000	N001	206			#	-	-
	mV	0893	2/04/2000	N001	137			#	-	-
	mV	0894	2/03/2000	N001	208			#	-	-
	mV	0895	2/03/2000	N001	145			#	-	-
	mV	0896	2/03/2000	N001	147			#	-	-
	mV	0897	2/05/2000	N001	205			#	-	-
	mV	0898	2/02/2000	N001	169			#	-	-
	mV	0939	2/06/2000	N001	208			#	-	-
	mV	0940	2/03/2000	N001	142			#	-	-
	mV	0941	2/03/2000	N001	174			#	-	-
Selenium	mg/L	0546	2/05/2000	0001	0.0006	B		#	-	-
	mg/L	0548	2/05/2000	0001	0.0006	B		#	-	-
	mg/L	0553	2/03/2000	0001	0.001	B		#	-	-
	mg/L	0555	2/02/2000	0001	0.0009	B		#	-	-
	mg/L	0655	2/03/2000	0001	0.0836			#	-	-
	mg/L	0657	2/02/2000	0001	0.018			#	-	-
	mg/L	0658	2/02/2000	0001	0.0119			#	-	-
	mg/L	0887	2/05/2000	0001	0.152			#	-	-
	mg/L	0888	2/04/2000	0001	0.0011	B		#	-	-
	mg/L	0893	2/04/2000	0001	0.0012	B		#	-	-
	mg/L	0894	2/03/2000	0001	0.0787			#	-	-
	mg/L	0895	2/03/2000	0001	0.0008	B		#	-	-
	mg/L	0896	2/03/2000	0001	0.0009	B		#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Selenium	mg/L	0897	2/05/2000	0001	0.0011	B		#	-	-
	mg/L	0898	2/02/2000	0001	0.0012	B		#	-	-
	mg/L	0939	2/06/2000	0001	0.114			#	-	-
	mg/L	0940	2/03/2000	0001	0.0009	B		#	-	-
	mg/L	0941	2/03/2000	0001	0.0008	B		#	-	-
Sodium	mg/L	0546	2/05/2000	0001	45.600			#	-	-
	mg/L	0548	2/05/2000	0001	47.300			#	-	-
	mg/L	0553	2/03/2000	0001	47.700			#	-	-
	mg/L	0555	2/02/2000	0001	50.000			#	-	-
	mg/L	0655	2/03/2000	0001	1330.000			#	-	-
	mg/L	0657	2/02/2000	0001	930.000			#	-	-
	mg/L	0658	2/02/2000	0001	1170.000			#	-	-
	mg/L	0887	2/05/2000	0001	373.000			#	-	-
	mg/L	0888	2/04/2000	0001	84.100			#	-	-
	mg/L	0893	2/04/2000	0001	54.500			#	-	-
	mg/L	0894	2/03/2000	0001	1330.000			#	-	-
	mg/L	0895	2/03/2000	0001	48.000			#	-	-
	mg/L	0896	2/03/2000	0001	49.200			#	-	-
	mg/L	0897	2/05/2000	0001	49.500			#	-	-
	mg/L	0898	2/02/2000	0001	51.600			#	-	-
	mg/L	0939	2/06/2000	0001	267.000			#	-	-
	mg/L	0940	2/03/2000	0001	111.000			#	-	-
	mg/L	0941	2/03/2000	0001	68.100			#	-	-
Specific Conductance	umhos/cm	0546	2/05/2000	N001	667			#	-	-
	umhos/cm	0548	2/05/2000	N001	680			#	-	-
	umhos/cm	0553	2/03/2000	N001	674			#	-	-
	umhos/cm	0555	2/02/2000	N001	644			#	-	-
	umhos/cm	0655	2/03/2000	N001	7820			#	-	-
	umhos/cm	0657	2/02/2000	N001	5440			#	-	-
	umhos/cm	0658	2/02/2000	N001	5160			#	-	-
	umhos/cm	0887	2/05/2000	N001	4640			#	-	-
	umhos/cm	0888	2/04/2000	N001	960			#	-	-
	umhos/cm	0893	2/04/2000	N001	755			#	-	-
	umhos/cm	0894	2/03/2000	N001	7380			#	-	-
	umhos/cm	0895	2/03/2000	N001	676			#	-	-
	umhos/cm	0896	2/03/2000	N001	696			#	-	-
	umhos/cm	0897	2/05/2000	N001	728			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0898	2/02/2000	N001	736			#		
	umhos/cm	0939	2/06/2000	N001	3980			#		
	umhos/cm	0940	2/03/2000	N001	774			#		
	umhos/cm	0941	2/03/2000	N001	793			#		
Strontium	mg/L	0546	2/05/2000	0001	0.859			#	-	-
	mg/L	0548	2/05/2000	0001	0.873			#	-	-
	mg/L	0553	2/03/2000	0001	0.868			#	-	-
	mg/L	0555	2/02/2000	0001	0.877			#	-	-
	mg/L	0655	2/03/2000	0001	14.800			#	-	-
	mg/L	0657	2/02/2000	0001	10.700			#	-	-
	mg/L	0658	2/02/2000	0001	14.100			#	-	-
	mg/L	0887	2/05/2000	0001	5.930			#	-	-
	mg/L	0888	2/04/2000	0001	1.130			#	-	-
	mg/L	0893	2/04/2000	0001	0.897			#	-	-
	mg/L	0894	2/03/2000	0001	14.600			#	-	-
	mg/L	0895	2/03/2000	0001	0.874			#	-	-
	mg/L	0896	2/03/2000	0001	0.875			#	-	-
	mg/L	0897	2/05/2000	0001	0.868			#	-	-
	mg/L	0898	2/02/2000	0001	0.888			#	-	-
	mg/L	0939	2/06/2000	0001	5.180			#	-	-
	mg/L	0940	2/03/2000	0001	1.090			#	-	-
	mg/L	0941	2/03/2000	0001	0.925			#	-	-
Sulfate	mg/L	0546	2/05/2000	0001	182.000			#		
	mg/L	0548	2/05/2000	0001	188.000			#		
	mg/L	0553	2/03/2000	0001	183.000			#		
	mg/L	0555	2/02/2000	0001	191.000			#		
	mg/L	0655	2/03/2000	0001	4200.000			#		
	mg/L	0657	2/02/2000	0001	2750.000			#		
	mg/L	0658	2/02/2000	0001	3300.000			#		
	mg/L	0887	2/05/2000	0001	2650.000			#		
	mg/L	0888	2/04/2000	0001	304.000			#		
	mg/L	0893	2/04/2000	0001	219.000			#		
	mg/L	0894	2/03/2000	0001	4190.000			#		
	mg/L	0895	2/03/2000	0001	187.000			#		
	mg/L	0896	2/03/2000	0001	189.000			#		
	mg/L	0897	2/05/2000	0001	203.000			#		
	mg/L	0898	2/02/2000	0001	201.000			#		

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0939	2/06/2000	0001	2160.000			#	-	-
	mg/L	0940	2/03/2000	0001	504.000			#	-	-
	mg/L	0941	2/03/2000	0001	245.000			#	-	-
Temperature	C	0546	2/05/2000	N001	5.5			#	-	-
	C	0548	2/05/2000	N001	6.2			#	-	-
	C	0553	2/03/2000	N001	6.4			#	-	-
	C	0555	2/02/2000	N001	4.7			#	-	-
	C	0655	2/03/2000	N001	-0.2			#	-	-
	C	0657	2/02/2000	N001	0.4			#	-	-
	C	0658	2/02/2000	N001	2.2			#	-	-
	C	0887	2/05/2000	N001	9			#	-	-
	C	0888	2/04/2000	N001	6			#	-	-
	C	0893	2/04/2000	N001	5.8			#	-	-
	C	0894	2/03/2000	N001	0.1			#	-	-
	C	0895	2/03/2000	N001	3.7			#	-	-
	C	0896	2/03/2000	N001	5.6			#	-	-
	C	0897	2/05/2000	N001	6.2			#	-	-
	C	0898	2/02/2000	N001	4.9			#	-	-
	C	0939	2/06/2000	N001	1.9			#	-	-
	C	0940	2/03/2000	N001	7.9			#	-	-
	C	0941	2/03/2000	N001	3.2			#	-	-
Total Dissolved Solids	mg/L	0546	2/05/2000	0001	485	*	J	#	-	-
	mg/L	0548	2/05/2000	0001	495	*	J	#	-	-
	mg/L	0553	2/03/2000	0001	478			#	-	-
	mg/L	0555	2/02/2000	0001	443			#	-	-
	mg/L	0655	2/03/2000	0001	6730			#	-	-
	mg/L	0657	2/02/2000	0001	4250			#	-	-
	mg/L	0658	2/02/2000	0001	4870			#	-	-
	mg/L	0887	2/05/2000	0001	4560	*	J	#	-	-
	mg/L	0888	2/04/2000	0001	660			#	-	-
	mg/L	0893	2/04/2000	0001	530			#	-	-
	mg/L	0894	2/03/2000	0001	6730			#	-	-
	mg/L	0895	2/03/2000	0001	487			#	-	-
	mg/L	0896	2/03/2000	0001	492			#	-	-
	mg/L	0897	2/05/2000	0001	493	*	J	#	-	-
	mg/L	0898	2/02/2000	0001	467			#	-	-
	mg/L	0939	2/06/2000	0001	3700			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0940	2/03/2000	0001	1020			#	-	-
	mg/L	0941	2/03/2000	0001	530			#	-	-
Turbidity	NTU	0548	2/05/2000	N001	23			#	-	-
	NTU	0553	2/03/2000	N001	23.8			#	-	-
	NTU	0555	2/02/2000	N001	23.7			#	-	-
	NTU	0655	2/03/2000	N001	0.46			#	-	-
	NTU	0657	2/02/2000	N001	33			#	-	-
	NTU	0658	2/02/2000	N001	13.9			#	-	-
	NTU	0887	2/05/2000	N001	0.76			#	-	-
	NTU	0888	2/04/2000	N001	147			#	-	-
	NTU	0894	2/03/2000	N001	10.8			#	-	-
	NTU	0895	2/03/2000	N001	27.8			#	-	-
	NTU	0896	2/03/2000	N001	28.4			#	-	-
	NTU	0897	2/05/2000	N001	28.4			#	-	-
	NTU	0898	2/02/2000	N001	39.5			#	-	-
	NTU	0939	2/06/2000	N001	6.27			#	-	-
	NTU	0940	2/03/2000	N001	23.3			#	-	-
	NTU	0941	2/03/2000	N001	31.1			#	-	-
Uranium	mg/L	0546	2/05/2000	0001	0.002			#	-	-
	mg/L	0548	2/05/2000	0001	0.0021			#	-	-
	mg/L	0553	2/03/2000	0001	0.0022			#	-	-
	mg/L	0555	2/02/2000	0001	0.0027			#	-	-
	mg/L	0655	2/03/2000	0001	0.111			#	-	-
	mg/L	0657	2/02/2000	0001	0.0913			#	-	-
	mg/L	0658	2/02/2000	0001	0.0632			#	-	-
	mg/L	0887	2/05/2000	0001	0.0496			#	-	-
	mg/L	0888	2/04/2000	0001	0.0029			#	-	-
	mg/L	0893	2/04/2000	0001	0.003			#	-	-
	mg/L	0894	2/03/2000	0001	0.112			#	-	-
	mg/L	0895	2/03/2000	0001	0.0025			#	-	-
	mg/L	0896	2/03/2000	0001	0.0026			#	-	-
	mg/L	0897	2/05/2000	0001	0.0024			#	-	-
	mg/L	0898	2/02/2000	0001	0.0023			#	-	-
	mg/L	0939	2/06/2000	0001	0.0393			#	-	-
	mg/L	0940	2/03/2000	0001	0.0469			#	-	-
	mg/L	0941	2/03/2000	0001	0.0057			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
REPORT DATE: 5/2/2000 10:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY

RECORDS: SELECTED FROM USEE800 WHERE site_code='SHP01' AND quality_assurance = TRUE AND (NOT (data_validation_qualifiers LIKE "R" OR data_validation_qualifiers LIKE "X") OR IsNull(data_validation_qualifiers)) AND DATE_SAMPLED between #1/1/2000# and #2/28/2000#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- * Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0425	2/02/2000	0001	446			#	-	-
	mg/L	0425	2/02/2000	N001	448			#	-	-
	mg/L	0426	2/01/2000	0001	352			#	-	-
	mg/L	0426	2/01/2000	N001	349			#	-	-
	mg/L	0662	2/02/2000	0001	113			#	-	-
	mg/L	0662	2/02/2000	N001	119			#	-	-
	mg/L	0786	2/04/2000	0001	354			#	-	-
	mg/L	0884	2/05/2000	0001	275			#	-	-
	mg/L	0884	2/05/2000	N001	264			#	-	-
	mg/L	0885	2/02/2000	0001	504			#	-	-
	mg/L	0885	2/02/2000	N001	550			#	-	-
	mg/L	0886	2/04/2000	0001	597			#	-	-
	mg/L	0886	2/04/2000	N001	593			#	-	-
	mg/L	0889	2/04/2000	0001	559			#	-	-
	mg/L	0889	2/04/2000	N001	552			#	-	-
	mg/L	0933	2/04/2000	0001	352			#	-	-
	mg/L	0933	2/04/2000	N001	358			#	-	-
	mg/L	0934	2/05/2000	0001	287			#	-	-
	mg/L	0934	2/05/2000	N001	284			#	-	-
	mg/L	0935	2/04/2000	0001	420			#	-	-
	mg/L	0935	2/04/2000	N001	428			#	-	-
	mg/L	0936	2/05/2000	0001	298			#	-	-
	mg/L	0936	2/05/2000	N001	300			#	-	-
	mg/L	0942	2/05/2000	0001	275			#	-	-
	mg/L	0942	2/05/2000	N001	272			#	-	-
	mg/L	1263	2/01/2000	0001	52			#	-	-
	mg/L	1263	2/01/2000	0002	52			#	-	-
	mg/L	1263	2/01/2000	N001	58			#	-	-
	mg/L	1263	2/01/2000	N002	58			#	-	-
	mg/L	1264	2/01/2000	0001	57			#	-	-
	mg/L	1264	2/01/2000	0002	57			#	-	-
	mg/L	1264	2/01/2000	N001	53			#	-	-
	mg/L	1264	2/01/2000	N002	53			#	-	-
	mg/L	1265	2/01/2000	0001	48			#	-	-
	mg/L	1265	2/01/2000	0002	48			#	-	-
	mg/L	1265	2/01/2000	N001	55			#	-	-
	mg/L	1265	2/01/2000	N002	55			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Ammonium	mg/L	0425	2/02/2000	0001	0.0258	B		#	-	-
	mg/L	0425	2/02/2000	0002	0.0284	B		#	-	-
	mg/L	0426	2/01/2000	0001	0.0213	B		#	-	-
	mg/L	0662	2/02/2000	0001	0.0672	B		#	-	-
	mg/L	0786	2/04/2000	0001	0.0681	BN	J	#	-	-
	mg/L	0884	2/05/2000	0001	0.0758	BN	J	#	-	-
	mg/L	0884	2/05/2000	0002	0.0732	BN	J	#	-	-
	mg/L	0885	2/02/2000	0001	0.0596	B		#	-	-
	mg/L	0886	2/04/2000	0001	0.0655	BN	J	#	-	-
	mg/L	0889	2/04/2000	0001	0.117	N	J	#	-	-
	mg/L	0933	2/04/2000	0001	0.0963	BN	J	#	-	-
	mg/L	0934	2/05/2000	0001	0.0425	BN	J	#	-	-
	mg/L	0935	2/04/2000	0001	0.847	N	J	#	-	-
	mg/L	0936	2/05/2000	0001	0.045	BN	J	#	-	-
	mg/L	0942	2/05/2000	0001	0.0117	BN	J	#	-	-
	mg/L	1263	2/01/2000	0001	0.220			#	-	-
	mg/L	1263	2/01/2000	N002	0.225			#	-	-
	mg/L	1264	2/01/2000	0001	0.0902	B		#	-	-
	mg/L	1264	2/01/2000	N002	0.126			#	-	-
	mg/L	1265	2/01/2000	0001	0.0825	B		#	-	-
	mg/L	1265	2/01/2000	N002	0.0498	B		#	-	-
Antimony	mg/L	0425	2/02/2000	0001	0.0006	B	U	#	-	-
	mg/L	0425	2/02/2000	0002	0.0006	B	U	#	-	-
	mg/L	0426	2/01/2000	0001	0.0005	B	U	#	-	-
	mg/L	0662	2/02/2000	0001	0.0007	B	U	#	-	-
	mg/L	0786	2/04/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0884	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0884	2/05/2000	0002	0.0004	U		#	0.0004	-
	mg/L	0885	2/02/2000	0001	0.001	B	U	#	-	-
	mg/L	0886	2/04/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0889	2/04/2000	0001	0.0011	B		#	-	-
	mg/L	0933	2/04/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0934	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0935	2/04/2000	0001	0.0005	B		#	-	-
	mg/L	0936	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0942	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	1263	2/01/2000	0001	0.0005	B	U	#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Antimony	mg/L	1263	2/01/2000	N002	0.0004	B	U	#	-	-
	mg/L	1264	2/01/2000	0001	0.0004	B	U	#	-	-
	mg/L	1264	2/01/2000	N002	0.0005	B	U	#	-	-
	mg/L	1265	2/01/2000	0001	0.0005	B	U	#	-	-
	mg/L	1265	2/01/2000	N002	0.0015	B	U	#	-	-
Arsenic	mg/L	0425	2/02/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0425	2/02/2000	0002	0.0004	U		#	0.0004	-
	mg/L	0426	2/01/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0662	2/02/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0786	2/04/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0884	2/05/2000	0001	0.0004	B		#	-	-
	mg/L	0884	2/05/2000	0002	0.0004	U		#	0.0004	-
	mg/L	0885	2/02/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0886	2/04/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0889	2/04/2000	0001	0.0005	B		#	-	-
	mg/L	0933	2/04/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0934	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0935	2/04/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0936	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	0942	2/05/2000	0001	0.0004	U		#	0.0004	-
	mg/L	1263	2/01/2000	0001	0.0004	U		#	0.0004	-
	mg/L	1263	2/01/2000	N002	0.0006	B		#	-	-
	mg/L	1264	2/01/2000	0001	0.0004	B		#	-	-
	mg/L	1264	2/01/2000	N002	0.0007	B	U	#	-	-
	mg/L	1265	2/01/2000	0001	0.0004	U		#	0.0004	-
	mg/L	1265	2/01/2000	N002	0.0009	B	U	#	-	-
Cadmium	mg/L	0425	2/02/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0425	2/02/2000	0002	0.0003	U		#	0.0003	-
	mg/L	0426	2/01/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0662	2/02/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0786	2/04/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0884	2/05/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0884	2/05/2000	0002	0.0003	U		#	0.0003	-
	mg/L	0885	2/02/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0886	2/04/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0889	2/04/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0933	2/04/2000	0001	0.0003	U		#	0.0003	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Cadmium	mg/L	0934	2/05/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0935	2/04/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0936	2/05/2000	0001	0.0003	U		#	0.0003	-
	mg/L	0942	2/05/2000	0001	0.0003	U		#	0.0003	-
	mg/L	1263	2/01/2000	0001	0.0003	U		#	0.0003	-
	mg/L	1263	2/01/2000	N002	0.0003	U		#	0.00033	-
	mg/L	1264	2/01/2000	0001	0.0003	U		#	0.0003	-
	mg/L	1264	2/01/2000	N002	0.0003	U		#	0.00033	-
	mg/L	1265	2/01/2000	0001	0.0003	U		#	0.0003	-
	mg/L	1265	2/01/2000	N002	0.0003	U		#	0.00033	-
Calcium	mg/L	0425	2/02/2000	0001	478.000			#	-	-
	mg/L	0425	2/02/2000	0002	477.000			#	-	-
	mg/L	0426	2/01/2000	0001	427.000			#	-	-
	mg/L	0662	2/02/2000	0001	253.000			#	-	-
	mg/L	0786	2/04/2000	0001	450.000	E	J	#	-	-
	mg/L	0884	2/05/2000	0001	497.000	E	J	#	-	-
	mg/L	0884	2/05/2000	0002	492.000	E	J	#	-	-
	mg/L	0885	2/02/2000	0001	423.000			#	-	-
	mg/L	0886	2/04/2000	0001	361.000	E	J	#	-	-
	mg/L	0889	2/04/2000	0001	358.000	E	J	#	-	-
	mg/L	0933	2/04/2000	0001	449.000	E	J	#	-	-
	mg/L	0934	2/05/2000	0001	461.000	E	J	#	-	-
	mg/L	0935	2/04/2000	0001	586.000	E		#	-	-
	mg/L	0936	2/05/2000	0001	470.000	E	J	#	-	-
	mg/L	0942	2/05/2000	0001	533.000			#	-	-
	mg/L	1263	2/01/2000	0001	111.000			#	-	-
	mg/L	1263	2/01/2000	N002	109.000			#	-	-
	mg/L	1264	2/01/2000	0001	106.000			#	-	-
	mg/L	1264	2/01/2000	N002	108.000			#	-	-
	mg/L	1265	2/01/2000	0001	107.000			#	-	-
	mg/L	1265	2/01/2000	N002	111.000			#	-	-
Chloride	mg/L	0425	2/02/2000	0001	137.000			#	-	-
	mg/L	0425	2/02/2000	0002	138.000			#	-	-
	mg/L	0426	2/01/2000	0001	135.000			#	-	-
	mg/L	0662	2/02/2000	0001	69.800			#	-	-
	mg/L	0786	2/04/2000	0001	164.000			#	-	-
	mg/L	0884	2/05/2000	0001	33.200			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0884	2/05/2000	0002	34.800			#	-	-
	mg/L	0885	2/02/2000	0001	225.000			#	-	-
	mg/L	0886	2/04/2000	0001	1010.000			#	-	-
	mg/L	0889	2/04/2000	0001	1270.000			#	-	-
	mg/L	0933	2/04/2000	0001	165.000			#	-	-
	mg/L	0934	2/05/2000	0001	36.000			#	-	-
	mg/L	0935	2/04/2000	0001	252.000			#	-	-
	mg/L	0936	2/05/2000	0001	76.600			#	-	-
	mg/L	0942	2/05/2000	0001	41.100			#	-	-
	mg/L	1263	2/01/2000	0001	57.200			#	-	-
	mg/L	1263	2/01/2000	N002	57.700			#	-	-
	mg/L	1264	2/01/2000	0001	57.700			#	-	-
	mg/L	1264	2/01/2000	N002	57.300			#	-	-
	mg/L	1265	2/01/2000	0001	56.600			#	-	-
	mg/L	1265	2/01/2000	N002	1.080	B		#	-	-
Fluoride	mg/L	0425	2/02/2000	0001	0.669	B		#	-	-
	mg/L	0425	2/02/2000	0002	0.635	B		#	-	-
	mg/L	0426	2/01/2000	0001	1.530			#	-	-
	mg/L	0662	2/02/2000	0001	2.010			#	-	-
	mg/L	0786	2/04/2000	0001	0.500	B		#	-	-
	mg/L	0884	2/05/2000	0001	0.479	B		#	-	-
	mg/L	0884	2/05/2000	0002	0.527			#	-	-
	mg/L	0885	2/02/2000	0001	0.754	B		#	-	-
	mg/L	0886	2/04/2000	0001	0.900	U		#	0.9	-
	mg/L	0889	2/04/2000	0001	0.900	U		#	0.9	-
	mg/L	0933	2/04/2000	0001	0.714	B		#	-	-
	mg/L	0934	2/05/2000	0001	0.471	B		#	-	-
	mg/L	0935	2/04/2000	0001	0.933	B		#	-	-
	mg/L	0936	2/05/2000	0001	0.439	B		#	-	-
	mg/L	0942	2/05/2000	0001	0.506	B		#	-	-
	mg/L	1263	2/01/2000	0001	2.160			#	-	-
	mg/L	1263	2/01/2000	N002	2.180			#	-	-
	mg/L	1264	2/01/2000	0001	2.190			#	-	-
	mg/L	1264	2/01/2000	N002	2.130			#	-	-
	mg/L	1265	2/01/2000	0001	2.200			#	-	-
	mg/L	1265	2/01/2000	N002	0.0979	B		#	-	-
Gross Alpha	pCi/L	0425	2/02/2000	0001	231.5			#	46.22	± 51.2

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Gross Alpha	pCi/L	0425	2/02/2000	0002	206.66			#	46.23	± 49.1
	pCi/L	0426	2/01/2000	0001	200.17			#	54.16	± 53.5
	pCi/L	0662	2/02/2000	0001	45.78			#	29.38	± 22.0
	pCi/L	0786	2/04/2000	0001	52.12	U		#	52.12	± 34.8
	pCi/L	0884	2/05/2000	0001	40.18			#	26.22	± 19.6
	pCi/L	0884	2/05/2000	0002	32.48			#	26.48	± 18.7
	pCi/L	0885	2/02/2000	0001	957.83			#	69.72	± 119.
	pCi/L	0886	2/04/2000	0001	259.68	U		#	259.68	± 173.
	pCi/L	0889	2/04/2000	0001	281.25	U		#	281.25	± 162.
	pCi/L	0933	2/04/2000	0001	51.56	U		#	51.56	± 32.1
	pCi/L	0934	2/05/2000	0001	32.84			#	22.23	± 16.4
	pCi/L	0935	2/04/2000	0001	92.85			#	64.5	± 47.5
	pCi/L	0936	2/05/2000	0001	63.16			#	35.33	± 27.6
	pCi/L	0942	2/05/2000	0001	27.8			#	26.78	± 18.2
	pCi/L	1263	2/01/2000	0001	23.07	U		#	23.07	± 13.4
	pCi/L	1263	2/01/2000	N002	22.94	U		#	22.94	± 13.5
	pCi/L	1264	2/01/2000	0001	22.94	U		#	22.94	± 12.6
	pCi/L	1264	2/01/2000	N002	23.07	U		#	23.07	± 14.0
	pCi/L	1265	2/01/2000	0001	22.96	U		#	22.96	± 12.8
	pCi/L	1265	2/01/2000	N002	23.08	U		#	23.08	± 14.1
Gross Beta	pCi/L	0425	2/02/2000	0001	156.04			#	51.49	± 37.1
	pCi/L	0425	2/02/2000	0002	110.14			#	51.39	± 34.9
	pCi/L	0426	2/01/2000	0001	122.08			#	61.26	± 41.2
	pCi/L	0662	2/02/2000	0001	43.26			#	30.63	± 19.7
	pCi/L	0786	2/04/2000	0001	60.20	U		#	60.2	± 35.9
	pCi/L	0884	2/05/2000	0001	30.20	U		#	30.2	± 18.0
	pCi/L	0884	2/05/2000	0002	30.19	U		#	30.19	± 18.6
	pCi/L	0885	2/02/2000	0001	591.07			#	80.41	± 72.2
	pCi/L	0886	2/04/2000	0001	300.96	U		#	300.96	± 173.
	pCi/L	0889	2/04/2000	0001	303.0	U		#	303.01	± 177.
	pCi/L	0933	2/04/2000	0001	60.02	U		#	60.02	± 36.6
	pCi/L	0934	2/05/2000	0001	24.32	U		#	24.32	± 14.8
	pCi/L	0935	2/04/2000	0001	84.89	U		#	84.89	± 49.5
	pCi/L	0936	2/05/2000	0001	40.38	U		#	40.38	± 23.5
	pCi/L	0942	2/05/2000	0001	30.21	U		#	30.21	± 17.9
	pCi/L	1263	2/01/2000	0001	24.32	U		#	24.32	± 14.9
	pCi/L	1263	2/01/2000	N002	24.3	U		#	24.32	± 14.2

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Gross Beta	pCi/L	1264	2/01/2000	0001	24.29	U		#	24.29	± 14.2
	pCi/L	1264	2/01/2000	N002	24.35	U		#	24.35	± 14.2
	pCi/L	1265	2/01/2000	0001	24.30	U		#	24.3	± 14.3
	pCi/L	1265	2/01/2000	N002	24.34	U		#	24.34	± 14.8
Iron	mg/L	0425	2/02/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0425	2/02/2000	0002	0.0144	U		#	0.0144	-
	mg/L	0426	2/01/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0662	2/02/2000	0001	0.0191	B	U	#	-	-
	mg/L	0786	2/04/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0884	2/05/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0884	2/05/2000	0002	0.0144	U		#	0.0144	-
	mg/L	0885	2/02/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0886	2/04/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0889	2/04/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0933	2/04/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0934	2/05/2000	0001	0.015	B		#	-	-
	mg/L	0935	2/04/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0936	2/05/2000	0001	0.0144	U		#	0.0144	-
	mg/L	0942	2/05/2000	0001	0.0144	U		#	0.0144	-
	mg/L	1263	2/01/2000	0001	0.0144	U		#	0.0144	-
	mg/L	1263	2/01/2000	N002	0.140			#	-	-
	mg/L	1264	2/01/2000	0001	0.0144	U		#	0.0144	-
	mg/L	1264	2/01/2000	N002	0.275			#	-	-
	mg/L	1265	2/01/2000	0001	0.0144	U		#	0.0144	-
	mg/L	1265	2/01/2000	N002	0.296			#	-	-
Magnesium	mg/L	0425	2/02/2000	0001	335.000			#	-	-
	mg/L	0425	2/02/2000	0002	332.000			#	-	-
	mg/L	0426	2/01/2000	0001	249.000			#	-	-
	mg/L	0662	2/02/2000	0001	63.200			#	-	-
	mg/L	0786	2/04/2000	0001	407.000			#	-	-
	mg/L	0884	2/05/2000	0001	159.000			#	-	-
	mg/L	0884	2/05/2000	0002	158.000			#	-	-
	mg/L	0885	2/02/2000	0001	504.000			#	-	-
	mg/L	0886	2/04/2000	0001	1000.000			#	-	-
	mg/L	0889	2/04/2000	0001	1300.000			#	-	-
	mg/L	0933	2/04/2000	0001	452.000			#	-	-
	mg/L	0934	2/05/2000	0001	132.000			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0935	2/04/2000	0001	787.000			#	-	-
	mg/L	0936	2/05/2000	0001	237.000			#	-	-
	mg/L	0942	2/05/2000	0001	170.000			#	-	-
	mg/L	1263	2/01/2000	0001	14.700			#	-	-
	mg/L	1263	2/01/2000	N002	14.100			#	-	-
	mg/L	1264	2/01/2000	0001	14.000			#	-	-
	mg/L	1264	2/01/2000	N002	14.500			#	-	-
	mg/L	1265	2/01/2000	0001	14.100			#	-	-
	mg/L	1265	2/01/2000	N002	14.600			#	-	-
Manganese	mg/L	0425	2/02/2000	0001	0.0298			#	-	-
	mg/L	0425	2/02/2000	0002	0.0305			#	-	-
	mg/L	0426	2/01/2000	0001	0.0072	B	U	#	-	-
	mg/L	0662	2/02/2000	0001	0.0108		U	#	-	-
	mg/L	0786	2/04/2000	0001	0.0015	B		#	-	-
	mg/L	0884	2/05/2000	0001	0.0022	B		#	-	-
	mg/L	0884	2/05/2000	0002	0.0033	B		#	-	-
	mg/L	0885	2/02/2000	0001	0.0568			#	-	-
	mg/L	0886	2/04/2000	0001	0.0022	B		#	-	-
	mg/L	0889	2/04/2000	0001	0.005	B		#	-	-
	mg/L	0933	2/04/2000	0001	0.010			#	-	-
	mg/L	0934	2/05/2000	0001	0.0256			#	-	-
	mg/L	0935	2/04/2000	0001	0.065			#	-	-
	mg/L	0936	2/05/2000	0001	0.0006	U		#	0.0006	-
	mg/L	0942	2/05/2000	0001	0.0018	B		#	-	-
	mg/L	1263	2/01/2000	0001	0.0204		U	#	-	-
	mg/L	1263	2/01/2000	N002	0.0275		U	#	-	-
	mg/L	1264	2/01/2000	0001	0.0094	B	U	#	-	-
	mg/L	1264	2/01/2000	N002	0.0188		U	#	-	-
	mg/L	1265	2/01/2000	0001	0.0047	B	U	#	-	-
	mg/L	1265	2/01/2000	N002	0.0125		U	#	-	-
Molybdenum	mg/L	0425	2/02/2000	0001	0.0061	B		#	-	-
	mg/L	0425	2/02/2000	0002	0.006	B		#	-	-
	mg/L	0426	2/01/2000	0001	0.0124			#	-	-
	mg/L	0662	2/02/2000	0001	0.0085	B		#	-	-
	mg/L	0786	2/04/2000	0001	0.005	B		#	-	-
	mg/L	0884	2/05/2000	0001	0.0073	B		#	-	-
	mg/L	0884	2/05/2000	0002	0.0074	B		#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Molybdenum	mg/L	0885	2/02/2000	0001	0.0205			#	-	-
	mg/L	0886	2/04/2000	0001	0.0195			#	-	-
	mg/L	0889	2/04/2000	0001	0.0341			#	-	-
	mg/L	0933	2/04/2000	0001	0.0051	B		#	-	-
	mg/L	0934	2/05/2000	0001	0.0023	B		#	-	-
	mg/L	0935	2/04/2000	0001	0.0197			#	-	-
	mg/L	0936	2/05/2000	0001	0.0062	B		#	-	-
	mg/L	0942	2/05/2000	0001	0.0049	B		#	-	-
	mg/L	1263	2/01/2000	0001	0.0023	B	U	#	-	-
	mg/L	1263	2/01/2000	N002	0.0019	B	U	#	-	-
	mg/L	1264	2/01/2000	0001	0.0023	B	U	#	-	-
	mg/L	1264	2/01/2000	N002	0.002	B	U	#	-	-
	mg/L	1265	2/01/2000	0001	0.0023	B	U	#	-	-
	mg/L	1265	2/01/2000	N002	0.0021	B	U	#	-	-
Nitrate	mg/L	0425	2/02/2000	0001	180.000			#	-	-
	mg/L	0425	2/02/2000	0002	185.000			#	-	-
	mg/L	0426	2/01/2000	0001	129.000			#	-	-
	mg/L	0662	2/02/2000	0001	18.200			#	-	-
	mg/L	0786	2/04/2000	0001	281.000			#	-	-
	mg/L	0884	2/05/2000	0001	64.000			#	-	-
	mg/L	0884	2/05/2000	0002	64.900			#	-	-
	mg/L	0885	2/02/2000	0001	134.000			#	-	-
	mg/L	0886	2/04/2000	0001	2930.000			#	-	-
	mg/L	0889	2/04/2000	0001	3520.000			#	-	-
	mg/L	0933	2/04/2000	0001	376.000			#	-	-
	mg/L	0934	2/05/2000	0001	74.500			#	-	-
	mg/L	0935	2/04/2000	0001	515.000			#	-	-
	mg/L	0936	2/05/2000	0001	218.000			#	-	-
	mg/L	0942	2/05/2000	0001	105.000			#	-	-
	mg/L	1263	2/01/2000	0001	1.020			#	-	-
	mg/L	1263	2/01/2000	N002	1.070			#	-	-
	mg/L	1264	2/01/2000	0001	1.270			#	-	-
	mg/L	1264	2/01/2000	N002	1.340			#	-	-
	mg/L	1265	2/01/2000	0001	1.500			#	-	-
	mg/L	1265	2/01/2000	N002	0.0183	B		#	-	-
pH	s.u.	0425	2/02/2000	N001	7.06			#	-	-
	s.u.	0426	2/01/2000	N001	6.91			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0662	2/02/2000	N001	7.85			#	-	-
	s.u.	0786	2/04/2000	N001	7.84			#	-	-
	s.u.	0884	2/05/2000	N001	7.89			#	-	-
	s.u.	0885	2/02/2000	N001	7.76			#	-	-
	s.u.	0886	2/04/2000	N001	8.34			#	-	-
	s.u.	0889	2/04/2000	N001	8.15			#	-	-
	s.u.	0933	2/04/2000	N001	7.73			#	-	-
	s.u.	0934	2/05/2000	N001	7.29			#	-	-
	s.u.	0935	2/04/2000	N001	7.36			#	-	-
	s.u.	0936	2/05/2000	N001	7.74			#	-	-
	s.u.	0942	2/05/2000	N001	7.06			#	-	-
	s.u.	1263	2/01/2000	N001	8.08			#	-	-
	s.u.	1263	2/01/2000	N002	8.08			#	-	-
	s.u.	1264	2/01/2000	N001	8.01			#	-	-
	s.u.	1264	2/01/2000	N002	8.01			#	-	-
	s.u.	1265	2/01/2000	N001	7.55			#	-	-
	s.u.	1265	2/01/2000	N002	7.55			#	-	-
Polonium-210	pCi/L	0425	2/02/2000	0001	0.18	U		#	0.18	± -0.15
	pCi/L	0425	2/02/2000	0002	0.11	U		#	0.11	± 0.10
	pCi/L	0426	2/01/2000	0001	0.16	U		#	0.16	± -0.13
	pCi/L	0662	2/02/2000	0001	0.16	U		#	0.16	± -0.14
	pCi/L	0786	2/04/2000	0001	0.18	U		#	0.18	± -0.14
	pCi/L	0884	2/05/2000	0001	0.15	U		#	0.15	± -0.13
	pCi/L	0884	2/05/2000	0002	0	U		#	0.09	± 0.08
	pCi/L	0885	2/02/2000	0001	0.18	U		#	0.18	± 0.19
	pCi/L	0886	2/04/2000	0001	0.17	U		#	0.17	± 0.18
	pCi/L	0889	2/04/2000	0001	0.15	U		#	0.15	± -0.13
	pCi/L	0933	2/04/2000	0001	0.14	U		#	0.14	± 0.13
	pCi/L	0934	2/05/2000	0001	0.11	U		#	0.11	± 0.12
	pCi/L	0935	2/04/2000	0001	0.13	U		#	0.13	± 0.12
	pCi/L	0936	2/05/2000	0001	0.06	U		#	0.06	± 0.08
	pCi/L	0942	2/05/2000	0001	0.15	U		#	0.15	± 0.16
	pCi/L	1263	2/01/2000	0001	0.14	U		#	0.14	± 0.13
	pCi/L	1263	2/01/2000	N002	0.10	U		#	0.1	± 0.10
	pCi/L	1264	2/01/2000	0001	0.08	U		#	0.08	± 0.09
	pCi/L	1264	2/01/2000	N002	0.10	U		#	0.1	± 0.14
	pCi/L	1265	2/01/2000	0001	0.13	U		#	0.13	± -0.10

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Polonium-210	pCi/L	1265	2/01/2000	N002	0	U		#	0.12	± 0.11
Potassium	mg/L	0425	2/02/2000	0001	20.200			#	-	-
	mg/L	0425	2/02/2000	0002	21.500			#	-	-
	mg/L	0426	2/01/2000	0001	17.300			#	-	-
	mg/L	0662	2/02/2000	0001	11.800			#	-	-
	mg/L	0786	2/04/2000	0001	17.600			#	-	-
	mg/L	0884	2/05/2000	0001	7.900			#	-	-
	mg/L	0884	2/05/2000	0002	7.820			#	-	-
	mg/L	0885	2/02/2000	0001	20.000			#	-	-
	mg/L	0886	2/04/2000	0001	41.200			#	-	-
	mg/L	0889	2/04/2000	0001	45.000			#	-	-
	mg/L	0933	2/04/2000	0001	12.900			#	-	-
	mg/L	0934	2/05/2000	0001	5.230			#	-	-
	mg/L	0935	2/04/2000	0001	23.000			#	-	-
	mg/L	0936	2/05/2000	0001	10.100			#	-	-
	mg/L	0942	2/05/2000	0001	5.250			#	-	-
	mg/L	1263	2/01/2000	0001	8.620			#	-	-
	mg/L	1263	2/01/2000	N002	8.250			#	-	-
	mg/L	1264	2/01/2000	0001	8.630			#	-	-
	mg/L	1264	2/01/2000	N002	8.700			#	-	-
	mg/L	1265	2/01/2000	0001	8.590			#	-	-
	mg/L	1265	2/01/2000	N002	8.510			#	-	-
Radium-226	pCi/L	0425	2/02/2000	0001	0.49			#	0.12	± 0.10
	pCi/L	0425	2/02/2000	0002	0.58			#	0.11	± 0.10
	pCi/L	0426	2/01/2000	0001	0.45			#	0.13	± 0.11
	pCi/L	0662	2/02/2000	0001	0.36			#	0.13	± 0.10
	pCi/L	0786	2/04/2000	0001	0.68			#	0.12	± 0.12
	pCi/L	0884	2/05/2000	0001	0.25			#	0.16	± 0.11
	pCi/L	0884	2/05/2000	0002	0.23			#	0.17	± 0.11
	pCi/L	0885	2/02/2000	0001	0.67			#	0.15	± 0.13
	pCi/L	0886	2/04/2000	0001	0.15			#	0.12	± 0.08
	pCi/L	0889	2/04/2000	0001	0.25			#	0.12	± 0.09
	pCi/L	0933	2/04/2000	0001	0.16			#	0.13	± 0.08
	pCi/L	0934	2/05/2000	0001	0.12	U		#	0.12	± 0.07
	pCi/L	0935	2/04/2000	0001	0.83			#	0.13	± 0.14
	pCi/L	0936	2/05/2000	0001	0.56			#	0.12	± 0.11
	pCi/L	0942	2/05/2000	0001	0.12	U		#	0.12	± 0.07

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Radium-226	pCi/L	1263	2/01/2000	0001	0.58			#	0.14	± 0.12
	pCi/L	1263	2/01/2000	N002	0.72			#	0.14	± 0.13
	pCi/L	1264	2/01/2000	0001	0.55			#	0.14	± 0.12
	pCi/L	1264	2/01/2000	N002	0.65			#	0.14	± 0.13
	pCi/L	1265	2/01/2000	0001	0.63			#	0.13	± 0.12
	pCi/L	1265	2/01/2000	N002	0.51			#	0.13	± 0.11
Radium-228	pCi/L	0425	2/02/2000	0001	0.64	U		#	0.64	± 0.39
	pCi/L	0425	2/02/2000	0002	0.60	U		#	0.6	± 0.36
	pCi/L	0426	2/01/2000	0001	0.72	U		#	0.72	± 0.43
	pCi/L	0662	2/02/2000	0001	0.73	U		#	0.73	± 0.43
	pCi/L	0786	2/04/2000	0001	0.75	U		#	0.75	± 0.45
	pCi/L	0884	2/05/2000	0001	0.92	U		#	0.92	± 0.54
	pCi/L	0884	2/05/2000	0002	0.97	U		#	0.97	± 0.57
	pCi/L	0885	2/02/2000	0001	0.87	U		#	0.87	± 0.51
	pCi/L	0886	2/04/2000	0001	0.78	U		#	0.78	± 0.46
	pCi/L	0889	2/04/2000	0001	1.07			#	0.75	± 0.46
	pCi/L	0933	2/04/2000	0001	0.83	U		#	0.83	± 0.49
	pCi/L	0934	2/05/2000	0001	0.78	U		#	0.78	± 0.46
	pCi/L	0935	2/04/2000	0001	0.82	U		#	0.82	± 0.50
	pCi/L	0936	2/05/2000	0001	0.79	U		#	0.79	± 0.47
	pCi/L	0942	2/05/2000	0001	0.77	U		#	0.77	± 0.45
	pCi/L	1263	2/01/2000	0001	1.1			#	0.74	± 0.46
	pCi/L	1263	2/01/2000	N002	0.74	U		#	0.74	± 0.45
	pCi/L	1264	2/01/2000	0001	0.74	U		#	0.74	± 0.45
	pCi/L	1264	2/01/2000	N002	0.78	U		#	0.78	± 0.47
	pCi/L	1265	2/01/2000	0001	0.71	U		#	0.71	± 0.43
	pCi/L	1265	2/01/2000	N002	0.70	U		#	0.7	± 0.42
Redox Potential	mV	0425	2/02/2000	N001	211			#	-	-
	mV	0426	2/01/2000	N001	154			#	-	-
	mV	0662	2/02/2000	N001	178			#	-	-
	mV	0786	2/04/2000	N001	223			#	-	-
	mV	0884	2/05/2000	N001	143			#	-	-
	mV	0885	2/02/2000	N001	205			#	-	-
	mV	0886	2/04/2000	N001	204			#	-	-
	mV	0889	2/04/2000	N001	231			#	-	-
	mV	0933	2/04/2000	N001	180			#	-	-
	mV	0934	2/05/2000	N001	176			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
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PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	RESULT	QUALIFIERS: LAB	QUALIFIERS: DATA	QUALIFIERS: QA	DETECTION LIMIT	UN-CERTAINTY
Redox Potential	mV	0935	2/04/2000	N001	157			#	-	-
	mV	0936	2/05/2000	N001	151			#	-	-
	mV	0942	2/05/2000	N001	156			#	-	-
	mV	1263	2/01/2000	N001	80			#	-	-
	mV	1263	2/01/2000	N002	80			#	-	-
	mV	1264	2/01/2000	N001	75			#	-	-
	mV	1264	2/01/2000	N002	75			#	-	-
	mV	1265	2/01/2000	N001	104			#	-	-
	mV	1265	2/01/2000	N002	104			#	-	-
Selenium	mg/L	0425	2/02/2000	0001	0.0446			#	-	-
	mg/L	0425	2/02/2000	0002	0.0464			#	-	-
	mg/L	0426	2/01/2000	0001	0.110			#	-	-
	mg/L	0662	2/02/2000	0001	0.0138			#	-	-
	mg/L	0786	2/04/2000	0001	0.160			#	-	-
	mg/L	0884	2/05/2000	0001	0.146			#	-	-
	mg/L	0884	2/05/2000	0002	0.147			#	-	-
	mg/L	0885	2/02/2000	0001	0.0293			#	-	-
	mg/L	0886	2/04/2000	0001	1.890			#	-	-
	mg/L	0889	2/04/2000	0001	2.320			#	-	-
	mg/L	0933	2/04/2000	0001	0.226			#	-	-
	mg/L	0934	2/05/2000	0001	0.101			#	-	-
	mg/L	0935	2/04/2000	0001	0.428			#	-	-
	mg/L	0936	2/05/2000	0001	0.172			#	-	-
	mg/L	0942	2/05/2000	0001	0.190			#	-	-
	mg/L	1263	2/01/2000	0001	0.0001	U		#	0.0001	-
	mg/L	1263	2/01/2000	N002	0.0001	U		#	0.00011	-
	mg/L	1264	2/01/2000	0001	0.0001	B	U	#	-	-
	mg/L	1264	2/01/2000	N002	0.0001	U		#	0.00011	-
	mg/L	1265	2/01/2000	0001	0.0001	U		#	0.0001	-
	mg/L	1265	2/01/2000	N002	0.0001	U		#	0.00011	-
Sodium	mg/L	0425	2/02/2000	0001	695.000			#	-	-
	mg/L	0425	2/02/2000	0002	687.000			#	-	-
	mg/L	0426	2/01/2000	0001	1230.000			#	-	-
	mg/L	0662	2/02/2000	0001	869.000			#	-	-
	mg/L	0786	2/04/2000	0001	773.000			#	-	-
	mg/L	0884	2/05/2000	0001	182.000			#	-	-
	mg/L	0884	2/05/2000	0002	181.000			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0885	2/02/2000	0001	1290.000			#	-	-
	mg/L	0886	2/04/2000	0001	7410.000			#	-	-
	mg/L	0889	2/04/2000	0001	9140.000			#	-	-
	mg/L	0933	2/04/2000	0001	656.000			#	-	-
	mg/L	0934	2/05/2000	0001	161.000			#	-	-
	mg/L	0935	2/04/2000	0001	1030.000			#	-	-
	mg/L	0936	2/05/2000	0001	321.000			#	-	-
	mg/L	0942	2/05/2000	0001	188.000			#	-	-
	mg/L	1263	2/01/2000	0001	815.000			#	-	-
	mg/L	1263	2/01/2000	N002	854.000			#	-	-
	mg/L	1264	2/01/2000	0001	827.000			#	-	-
	mg/L	1264	2/01/2000	N002	847.000			#	-	-
	mg/L	1265	2/01/2000	0001	834.000			#	-	-
	mg/L	1265	2/01/2000	N002	860.000			#	-	-
Specific Conductance	umhos/cm	0425	2/02/2000	N001	5960			#	-	-
	umhos/cm	0426	2/01/2000	N001	7180			#	-	-
	umhos/cm	0662	2/02/2000	N001	4860			#	-	-
	umhos/cm	0786	2/04/2000	N001	6660			#	-	-
	umhos/cm	0884	2/05/2000	N001	3540			#	-	-
	umhos/cm	0885	2/02/2000	N001	8310			#	-	-
	umhos/cm	0886	2/04/2000	N001	25000			#	-	-
	umhos/cm	0889	2/04/2000	N001	30100			#	-	-
	umhos/cm	0933	2/04/2000	N001	6900			#	-	-
	umhos/cm	0934	2/05/2000	N001	3150			#	-	-
	umhos/cm	0935	2/04/2000	N001	5580			#	-	-
	umhos/cm	0936	2/05/2000	N001	4070			#	-	-
	umhos/cm	0942	2/05/2000	N001	3510			#	-	-
	umhos/cm	1263	2/01/2000	N001	4080			#	-	-
	umhos/cm	1263	2/01/2000	N002	4080			#	-	-
	umhos/cm	1264	2/01/2000	N001	4140			#	-	-
	umhos/cm	1264	2/01/2000	N002	4140			#	-	-
	umhos/cm	1265	2/01/2000	N001	4100			#	-	-
	umhos/cm	1265	2/01/2000	N002	4100			#	-	-
Strontium	mg/L	0425	2/02/2000	0001	6.450			#	-	-
	mg/L	0425	2/02/2000	0002	6.460			#	-	-
	mg/L	0426	2/01/2000	0001	10.300			#	-	-
	mg/L	0662	2/02/2000	0001	9.770			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Strontium	mg/L	0786	2/04/2000	0001	6.950			#	-	-
	mg/L	0884	2/05/2000	0001	5.240			#	-	-
	mg/L	0884	2/05/2000	0002	5.180			#	-	-
	mg/L	0885	2/02/2000	0001	8.130			#	-	-
	mg/L	0886	2/04/2000	0001	8.560			#	-	-
	mg/L	0889	2/04/2000	0001	9.170			#	-	-
	mg/L	0933	2/04/2000	0001	6.440			#	-	-
	mg/L	0934	2/05/2000	0001	4.180			#	-	-
	mg/L	0935	2/04/2000	0001	9.780			#	-	-
	mg/L	0936	2/05/2000	0001	5.700			#	-	-
	mg/L	0942	2/05/2000	0001	5.190			#	-	-
	mg/L	1263	2/01/2000	0001	11.500			#	-	-
	mg/L	1263	2/01/2000	N002	12.100			#	-	-
	mg/L	1264	2/01/2000	0001	13.500			#	-	-
	mg/L	1264	2/01/2000	N002	12.100			#	-	-
	mg/L	1265	2/01/2000	0001	11.600			#	-	-
	mg/L	1265	2/01/2000	N002	12.200			#	-	-
Sulfate	mg/L	0425	2/02/2000	0001	3380.000			#	-	-
	mg/L	0425	2/02/2000	0002	3370.000			#	-	-
	mg/L	0426	2/01/2000	0001	4160.000			#	-	-
	mg/L	0662	2/02/2000	0001	2570.000			#	-	-
	mg/L	0786	2/04/2000	0001	3740.000			#	-	-
	mg/L	0884	2/05/2000	0001	1950.000			#	-	-
	mg/L	0884	2/05/2000	0002	2010.000			#	-	-
	mg/L	0885	2/02/2000	0001	4990.000			#	-	-
	mg/L	0886	2/04/2000	0001	16500.000			#	-	-
	mg/L	0889	2/04/2000	0001	20100.000			#	-	-
	mg/L	0933	2/04/2000	0001	3420.000			#	-	-
	mg/L	0934	2/05/2000	0001	1670.000			#	-	-
	mg/L	0935	2/04/2000	0001	5670.000			#	-	-
	mg/L	0936	2/05/2000	0001	2640.000			#	-	-
	mg/L	0942	2/05/2000	0001	1990.000			#	-	-
	mg/L	1263	2/01/2000	0001	2040.000			#	-	-
	mg/L	1263	2/01/2000	N002	2080.000			#	-	-
	mg/L	1264	2/01/2000	0001	2050.000			#	-	-
	mg/L	1264	2/01/2000	N002	2040.000			#	-	-
	mg/L	1265	2/01/2000	0001	2030.000			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	1265	2/01/2000	N002	36.100			#	-	-
Temperature	C	0425	2/02/2000	N001	14.4			#	-	-
	C	0426	2/01/2000	N001	13.1			#	-	-
	C	0662	2/02/2000	N001	6.9			#	-	-
	C	0786	2/04/2000	N001	7.4			#	-	-
	C	0884	2/05/2000	N001	2			#	-	-
	C	0885	2/02/2000	N001	5.4			#	-	-
	C	0886	2/04/2000	N001	2.5			#	-	-
	C	0889	2/04/2000	N001	5.6			#	-	-
	C	0933	2/04/2000	N001	2.7			#	-	-
	C	0934	2/05/2000	N001	10.5			#	-	-
	C	0935	2/04/2000	N001	6.9			#	-	-
	C	0936	2/05/2000	N001	7			#	-	-
	C	0942	2/05/2000	N001	13.6			#	-	-
	C	1263	2/01/2000	N001	24.9			#	-	-
	C	1263	2/01/2000	N002	24.9			#	-	-
	C	1264	2/01/2000	N001	21.7			#	-	-
	C	1264	2/01/2000	N002	21.7			#	-	-
	C	1265	2/01/2000	N001	20.2			#	-	-
	C	1265	2/01/2000	N002	20.2			#	-	-
Total Dissolved Solids	mg/L	0425	2/02/2000	0001	5680			#	-	-
	mg/L	0425	2/02/2000	0002	6050			#	-	-
	mg/L	0426	2/01/2000	0001	6740			#	-	-
	mg/L	0662	2/02/2000	0001	3940			#	-	-
	mg/L	0786	2/04/2000	0001	6840			#	-	-
	mg/L	0884	2/05/2000	0001	3380	*	J	#	-	-
	mg/L	0884	2/05/2000	0002	3390	*	J	#	-	-
	mg/L	0885	2/02/2000	0001	8570			#	-	-
	mg/L	0886	2/04/2000	0001	31300			#	-	-
	mg/L	0889	2/04/2000	0001	38200			#	-	-
	mg/L	0933	2/04/2000	0001	6600			#	-	-
	mg/L	0934	2/05/2000	0001	3020	*	J	#	-	-
	mg/L	0935	2/04/2000	0001	10200			#	-	-
	mg/L	0936	2/05/2000	0001	4560	*	J	#	-	-
	mg/L	0942	2/05/2000	0001	3540	*	J	#	-	-
	mg/L	1263	2/01/2000	0001	3080			#	-	-
	mg/L	1263	2/01/2000	N002	3070			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	1264	2/01/2000	0001	3090			#	-	-
	mg/L	1264	2/01/2000	N002	3120			#	-	-
	mg/L	1265	2/01/2000	0001	3140			#	-	-
	mg/L	1265	2/01/2000	N002	3130			#	-	-
Turbidity	NTU	0425	2/02/2000	N001	7.63			#	-	-
	NTU	0426	2/01/2000	N001	0.67			#	-	-
	NTU	0662	2/02/2000	N001	20.8			#	-	-
	NTU	0884	2/05/2000	N001	8.06			#	-	-
	NTU	0885	2/02/2000	N001	23.6			#	-	-
	NTU	0886	2/04/2000	N001	23.1			#	-	-
	NTU	0889	2/04/2000	N001	2.89			#	-	-
	NTU	0933	2/04/2000	N001	47.4			#	-	-
	NTU	0934	2/05/2000	N001	18.4			#	-	-
	NTU	0936	2/05/2000	N001	1.3			#	-	-
	NTU	0942	2/05/2000	N001	1.16			#	-	-
	NTU	1263	2/01/2000	N001	9.17			#	-	-
	NTU	1263	2/01/2000	N002	9.17			#	-	-
	NTU	1264	2/01/2000	N001	11.1			#	-	-
	NTU	1264	2/01/2000	N002	11.1			#	-	-
	NTU	1265	2/01/2000	N001	41.8			#	-	-
	NTU	1265	2/01/2000	N002	4.8			#	-	-
Uranium	mg/L	0425	2/02/2000	0001	0.345			#	-	-
	mg/L	0425	2/02/2000	0002	0.349			#	-	-
	mg/L	0426	2/01/2000	0001	0.330			#	-	-
	mg/L	0662	2/02/2000	0001	0.077			#	-	-
	mg/L	0786	2/04/2000	0001	0.0433			#	-	-
	mg/L	0884	2/05/2000	0001	0.0364			#	-	-
	mg/L	0884	2/05/2000	0002	0.0369			#	-	-
	mg/L	0885	2/02/2000	0001	1.710			#	-	-
	mg/L	0886	2/04/2000	0001	0.144			#	-	-
	mg/L	0889	2/04/2000	0001	0.171			#	-	-
	mg/L	0933	2/04/2000	0001	0.0706			#	-	-
	mg/L	0934	2/05/2000	0001	0.0329			#	-	-
	mg/L	0935	2/04/2000	0001	0.102			#	-	-
	mg/L	0936	2/05/2000	0001	0.0486			#	-	-
	mg/L	0942	2/05/2000	0001	0.0339			#	-	-
	mg/L	1263	2/01/2000	0001	0.0001 U			#	0.0001	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 5/2/2000 10:32 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	1263	2/01/2000	N002	0.0001	U		#	0.00011	-
	mg/L	1264	2/01/2000	0001	0.0001	B		#		
	mg/L	1264	2/01/2000	N002	0.0001	U		#	0.00011	-
	mg/L	1265	2/01/2000	0001	0.0002	B		#	-	-
	mg/L	1265	2/01/2000	N002	0.0001	U		#	0.00011	-

RECORDS: SELECTED FROM USEE800 WHERE site_code='SHP02' AND quality_assurance = TRUE AND (NOT (data_validation_qualifiers LIKE '*R*' OR data_validation_qualifiers LIKE '*X*') OR IsNull(data_validation_qualifiers)) AND DATE_SAMPLED between #1/1/2000# and #2/28/2000#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- * Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines

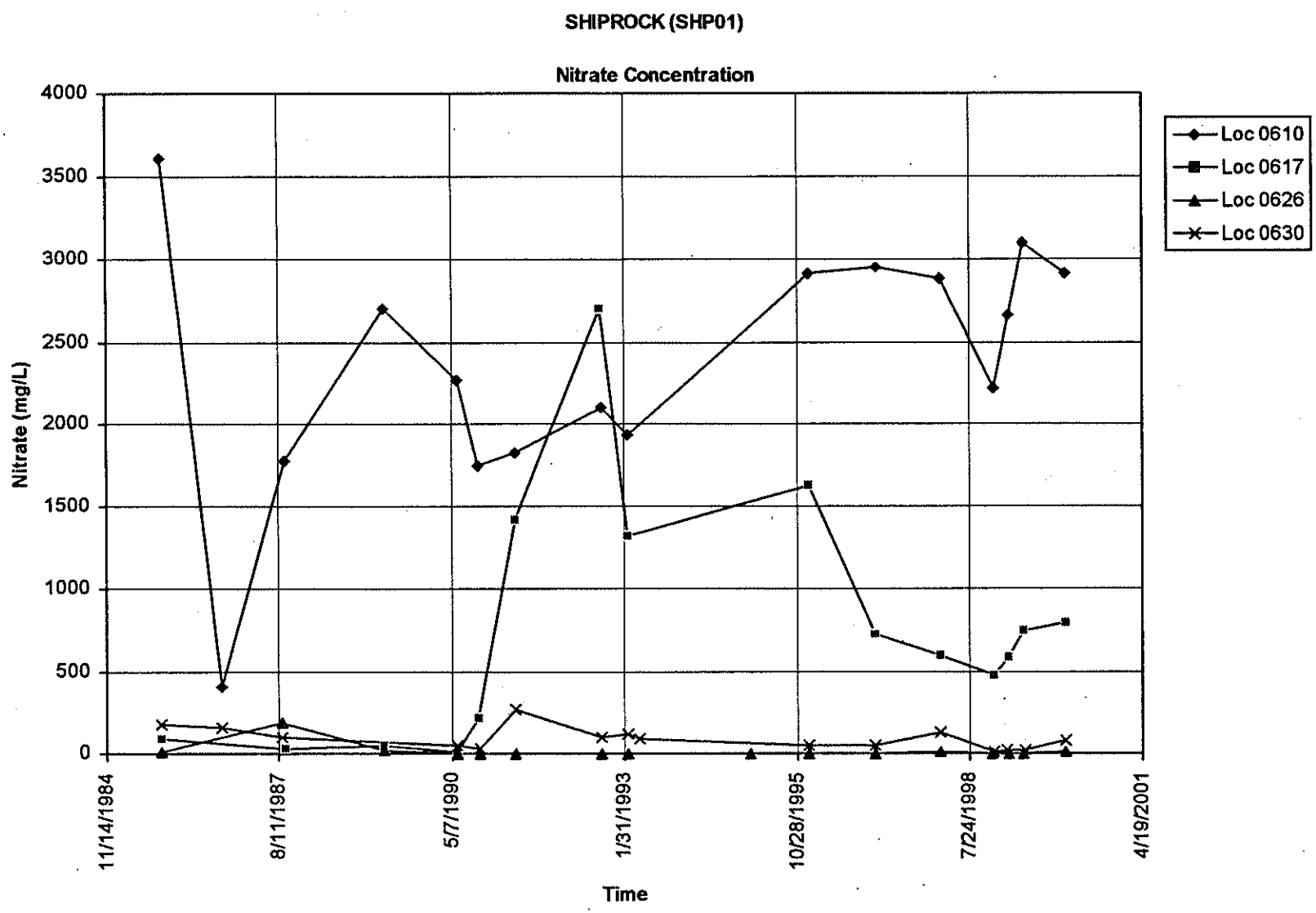
Equipment Blank Data for Shiprock 2/2000 Sampling Event 4/20/2000

ANALYTE	SITE_CODE	LOCATION_CODE	DATE	SAMPLE_ID	UNIT	RESULT	LAB_QUALIFIERS	DATA_VAL_QUALIFIERS	DETECTION_LIMIT	UNCERTAINTY
Ammonium	SHP02	0999	2/5/2000	0001	mg/L	0.0091	BN	J		
Ammonium	SHP01	0999	2/5/2000	0002	mg/L	0.0222	B			
Ammonium	SHP02	0999	2/5/2000	0003	mg/L	0.0109	B			
Antimony	SHP02	0999	2/5/2000	0001	mg/L	0.0004	U		0.0004	
Antimony	SHP01	0999	2/5/2000	0002	mg/L	0.0004	U		0.0004	
Antimony	SHP02	0999	2/5/2000	0003	mg/L	0.0004	U		0.0004	
Arsenic	SHP02	0999	2/5/2000	0001	mg/L	0.0004	U		0.0004	
Arsenic	SHP01	0999	2/5/2000	0002	mg/L	0.0004	U		0.0004	
Arsenic	SHP02	0999	2/5/2000	0003	mg/L	0.0004	U		0.0004	
Cadmium	SHP02	0999	2/5/2000	0001	mg/L	0.0003	U		0.0003	
Cadmium	SHP01	0999	2/5/2000	0002	mg/L	0.0003	U		0.0003	
Cadmium	SHP02	0999	2/5/2000	0003	mg/L	0.0003	U		0.0003	
Calcium	SHP02	0999	2/5/2000	0001	mg/L	0.0711	BE	UJ		
Calcium	SHP01	0999	2/5/2000	0002	mg/L	0.197	B			
Calcium	SHP02	0999	2/5/2000	0003	mg/L	1.9				
Chloride	SHP02	0999	2/5/2000	0001	mg/L	0.102	U		0.102	
Chloride	SHP01	0999	2/5/2000	0002	mg/L	0.102	U		0.102	
Chloride	SHP02	0999	2/5/2000	0003	mg/L	0.102	U		0.102	
Fluoride	SHP02	0999	2/5/2000	0001	mg/L	0.0246	B			
Fluoride	SHP01	0999	2/5/2000	0002	mg/L	0.018	U		0.018	
Fluoride	SHP02	0999	2/5/2000	0003	mg/L	0.018	U		0.018	
Gross Alpha	SHP02	0999	2/5/2000	0001	pCi/L	1.46	U		1.46	0.75
Gross Alpha	SHP01	0999	2/5/2000	0002	pCi/L	1.46	U	J	1.46	0.9
Gross Alpha	SHP02	0999	2/5/2000	0003	pCi/L	1.45	U	J	1.45	0.78
Gross Beta	SHP02	0999	2/5/2000	0001	pCi/L	2.84	U		2.84	1.67
Gross Beta	SHP01	0999	2/5/2000	0002	pCi/L	2.85	U		2.85	1.7
Gross Beta	SHP02	0999	2/5/2000	0003	pCi/L	2.84	U		2.84	1.63
Iron	SHP02	0999	2/5/2000	0001	mg/L	0.0144	U		0.0144	
Iron	SHP01	0999	2/5/2000	0002	mg/L	0.0144	U		0.0144	
Iron	SHP02	0999	2/5/2000	0003	mg/L	0.0144	U		0.0144	
Magnesium	SHP02	0999	2/5/2000	0001	mg/L	0.082	U		0.082	
Magnesium	SHP01	0999	2/5/2000	0002	mg/L	0.336				
Magnesium	SHP02	0999	2/5/2000	0003	mg/L	0.659		U		
Manganese	SHP02	0999	2/5/2000	0001	mg/L	0.0006	U		0.0006	
Manganese	SHP01	0999	2/5/2000	0002	mg/L	0.0016	B			
Manganese	SHP02	0999	2/5/2000	0003	mg/L	0.0006	U		0.0006	
Molybdenum	SHP02	0999	2/5/2000	0001	mg/L	0.0004	U		0.0004	
Molybdenum	SHP01	0999	2/5/2000	0002	mg/L	0.0004	U		0.0004	
Molybdenum	SHP02	0999	2/5/2000	0003	mg/L	0.0004	U		0.0004	
Nitrate	SHP02	0999	2/5/2000	0001	mg/L	0.01	U		0.01	
Nitrate	SHP01	0999	2/5/2000	0002	mg/L	0.118	B			
Nitrate	SHP02	0999	2/5/2000	0003	mg/L	0.0734	B	U		
Polonium-210	SHP02	0999	2/5/2000	0001	pCi/L	0.19	U		0.19	0.19
Polonium-210	SHP01	0999	2/5/2000	0002	pCi/L	0.11	U		0.11	0.11

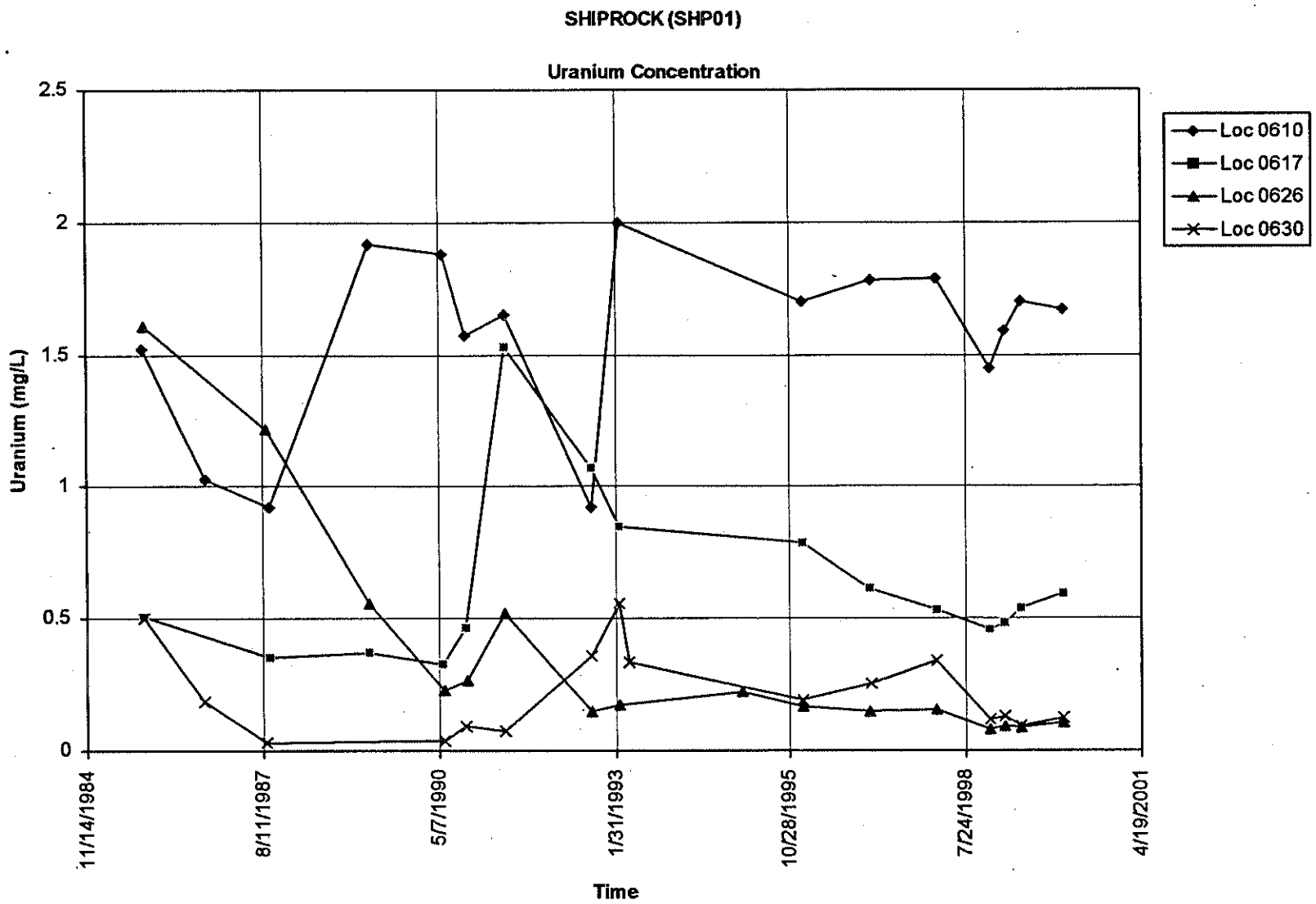
Equipment Blank Data for Shiprock 2/2000 Sampling Event 4/20/2000

ANALYTE	SITE_CODE	LOCATION_CODE	DATE	SAMPLE_ID	UNIT	RESULT	LAB_QUALIFIERS	DATA_VAL_QUALIFIERS	DETECTION_LIMIT	UNCERTAINTY
Polonium-210	SHP02	0999	2/5/2000	0003	pCi/L	0.11	U		0.11	0.1
Potassium	SHP02	0999	2/5/2000	0001	mg/L	1.37	U		1.37	
Potassium	SHP01	0999	2/5/2000	0002	mg/L	1.37	U		1.37	
Potassium	SHP02	0999	2/5/2000	0003	mg/L	1.37	U		1.37	
Radium-226	SHP02	0999	2/5/2000	0001	pCi/L	0.12	U		0.12	0.07
Radium-226	SHP01	0999	2/5/2000	0002	pCi/L	0.13	U		0.13	0.07
Radium-226	SHP02	0999	2/5/2000	0003	pCi/L	0.13	U		0.13	0.07
Radium-228	SHP02	0999	2/5/2000	0001	pCi/L	0.75	U		0.75	0.44
Radium-228	SHP01	0999	2/5/2000	0002	pCi/L	0.81	U		0.81	0.47
Radium-228	SHP02	0999	2/5/2000	0003	pCi/L	0.79	U		0.79	0.46
Selenium	SHP02	0999	2/5/2000	0001	mg/L	0.00017	B			
Selenium	SHP01	0999	2/5/2000	0002	mg/L	0.0001	U		0.0001	
Selenium	SHP02	0999	2/5/2000	0003	mg/L	0.0001	U		0.0001	
Sodium	SHP02	0999	2/5/2000	0001	mg/L	0.421	B	U		
Sodium	SHP01	0999	2/5/2000	0002	mg/L	2.41		U		
Sodium	SHP02	0999	2/5/2000	0003	mg/L	2.49				
Strontium	SHP02	0999	2/5/2000	0001	mg/L	0.0003	U		0.0003	
Strontium	SHP01	0999	2/5/2000	0002	mg/L	0.0024	B			
Strontium	SHP02	0999	2/5/2000	0003	mg/L	0.0167		U		
Sulfate	SHP02	0999	2/5/2000	0001	mg/L	0.031	U		0.031	
Sulfate	SHP01	0999	2/5/2000	0002	mg/L	0.694	B			
Sulfate	SHP02	0999	2/5/2000	0003	mg/L	0.121	B			
Total Dissolved Solids	SHP02	0999	2/5/2000	0001	mg/L	85	*	J		
Total Dissolved Solids	SHP01	0999	2/5/2000	0002	mg/L	23	*	J		
Total Dissolved Solids	SHP02	0999	2/5/2000	0003	mg/L	33	*	J		
Uranium	SHP02	0999	2/5/2000	0001	mg/L	0.0001	U		0.0001	
Uranium	SHP01	0999	2/5/2000	0002	mg/L	0.0023				
Uranium	SHP02	0999	2/5/2000	0003	mg/L	0.00012	B			

TIME VERSUS CONCENTRATION GRAPHS

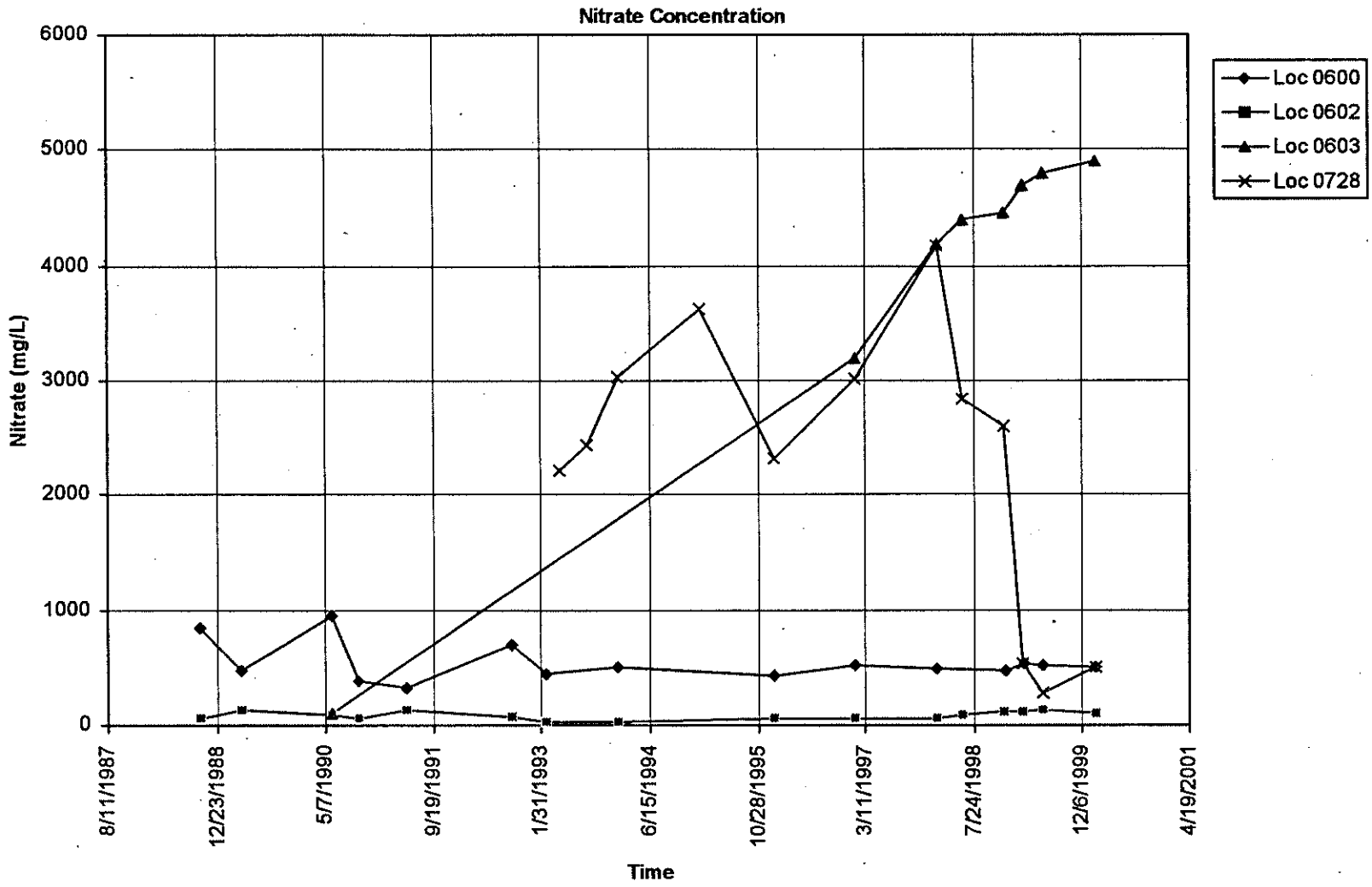


5/3/2000 1:19 pm

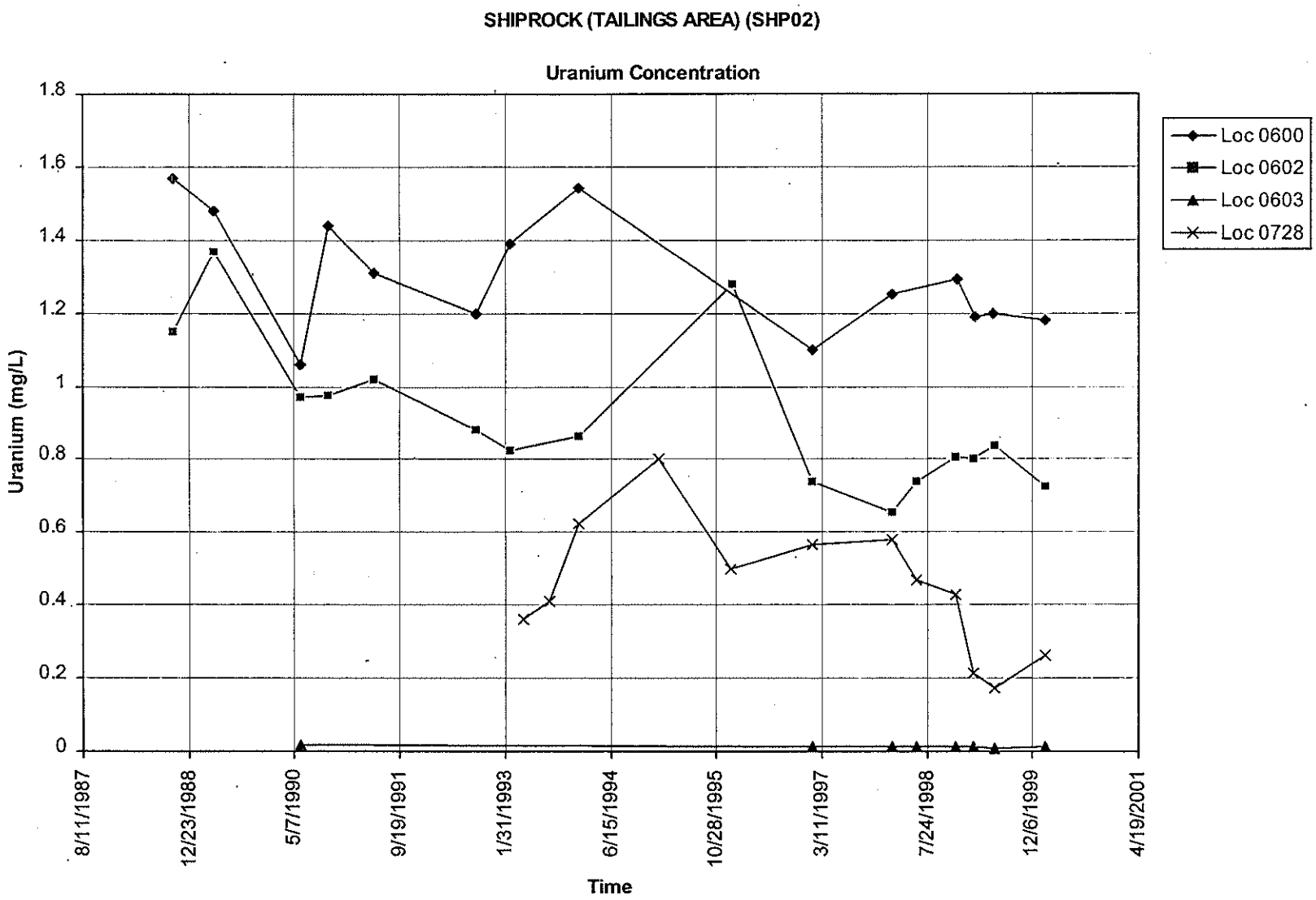


5/3/2000 1:19 pm

SHIPROCK (TAILINGS AREA) (SHP02)



5/3/2000 1:27 pm



5/3/2000 1:35 pm

WATER LEVELS

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:19 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT DATE	MEASUREMENT TIME	DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)	WATER LEVEL FLAG
0608	D	4893.35	02/03/2000	17:12	5.85	4887.50	
0610	D	4895.72	02/03/2000	14:13	9.31	4886.41	
0612	D	4893.35	02/03/2000	14:16	6.82	4886.53	
0614	D	4892.79	02/03/2000	15:35	6.92	4885.87	
0615	D	4892.23	02/05/2000	11:31	6.89	4885.34	
0616	D	4891.90	02/03/2000	11:18	7.40	4884.50	
0617	D	4891.90	02/03/2000	11:55	7.13	4884.77	
0619	D	4892.19	02/05/2000	10:15	7.30	4884.89	
0620	D	4889.72	02/03/2000	12:44	3.95	4885.77	
0624	D	4891.49	02/03/2000	08:50	6.36	4885.13	
0626	D	4891.40	02/02/2000	16:35	5.67	4885.73	
0628	D	4889.87	02/02/2000	15:50	4.00	4885.87	
0630	D	4887.62	02/02/2000	08:48	0.50	4887.12	
0631	D	4889.95	02/07/2000	13:51	9.64	4880.31	
0632	D	4890.01	02/07/2000	14:25	9.61	4880.40	
0635	N	4895.01	02/07/2000	16:05	8.65	4886.36	
0732	N	4897.55	02/05/2000	12:46	7.56	4889.99	
0733	N	4889.67	02/07/2000	15:07	8.27	4881.40	
0734	N	4886.55	02/02/2000	09:55	6.20	4880.35	
0735	N	4895.85	02/03/2000	16:57	6.31	4889.54	
0736	N	4887.99	02/02/2000	11:57	4.24	4883.75	
0766		-	02/02/2000	12:40	9.84	-9.84	
0768		-	02/05/2000	16:37	7.03	-7.03	
0773		-	02/05/2000	15:58	8.29	-8.29	
0775		-	02/02/2000	17:24	8.24	-8.24	
0779		-	02/03/2000	10:38	9.88	-9.88	
0782		-	02/01/2000	14:11	7.65	-7.65	
0783		-	02/01/2000	14:50	7.16	-7.16	
0784		-	02/01/2000	15:41	6.39	-6.39	

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP01, SHIPROCK
REPORT DATE: 4/20/2000 4:19 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT DATE	MEASUREMENT TIME	DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)	WATER LEVEL FLAG
0850	N	4907.51	02/02/2000	17:05	7.37	4900.14	
0853	N	4891.41	02/05/2000	15:01	6.52	4884.89	
0854	N	4890.75	02/05/2000	09:10	7.80	4882.95	
0855	N	4888.18	02/02/2000	15:11	4.95	4883.23	
0856	N	4887.57	02/02/2000	10:57	6.32	4881.25	
0857	N	4894.02	02/03/2000	10:02	9.80	4884.22	
0860	N	4892.28	02/04/2000	10:20	87.94	4804.34	
0861	N	4891.32	02/04/2000	09:30	138.69	4752.63	
		4891.32	02/04/2000	10:10	138.69	4752.63	
0862	N	4893.83	02/04/2000	09:25	93.23	4800.60	
0863	N	4893.00	02/04/2000	09:10	137.57	4755.43	

RECORDS: SELECTED FROM USEE700 WHERE site_code='SHP01' AND LOG_DATE between #1/30/2000# and #2/28/2000#

FLOW CODES:
D DOWN GRADIENT N UNKNOWN

WATER LEVEL FLAGS:

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:20 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT DATE	MEASUREMENT TIME	DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)	WATER LEVEL FLAG
0600	O	4955.87	02/04/2000	11:35	33.25	4922.62	
0602	O	4956.89	02/01/2000	12:43	19.29	4937.60	
		4956.89	02/07/2000	14:00	19.35	4937.54	
0603	N	4978.62	02/04/2000	16:55	29.92	4948.70	
0604	N	4995.87	02/01/2000	09:48	51.65	4944.22	
0725	N	4908.58	02/05/2000	14:14	12.09	4896.49	
0726	N	4939.95	02/06/2000	08:53	22.47	4917.48	
0727	N	4940.65	02/06/2000	09:30	7.04	4933.61	
0728	N	4964.46	02/04/2000	16:13	24.18	4940.28	
0730	N	4979.74	02/06/2000	16:24	37.43	4942.31	
0731	N	4972.15	02/03/2000	14:00	23.72	4948.43	
0800	N	4995.76	02/02/2000	14:15	65.03	4930.73	
0801	N	4995.29	02/02/2000	14:12	66.69	4928.60	
0802	N	4996.01	02/02/2000	14:10	64.25	4931.76	
0803	N	4994.40	02/02/2000	14:25		-	D
0804	N	4936.93	02/03/2000	14:40		-	D
0805	N	4953.14	02/03/2000	14:45	52.86	4900.28	
0810	N	5049.58	02/02/2000	14:00	89.16	4960.42	
0812	N	5004.98	02/07/2000	11:15	61.11	4943.87	
0813	N	4984.37	02/06/2000	15:23	43.18	4941.19	
0814	N	4968.12	02/06/2000	14:47	31.12	4937.00	
0815	N	4953.67	02/07/2000	10:00	25.45	4928.22	
0816	N	4937.92	02/07/2000	08:25	23.99	4913.93	
0819	N	4955.76	02/04/2000	14:13	19.15	4936.61	
0820	N	4954.95	02/03/2000	10:00	150.62	4804.33	
0821	N	4955.46	02/03/2000	08:45	102.51	4852.95	
0822	N	4954.42	02/03/2000	09:00	199.45	4754.97	
0823	N	4957.65	01/31/2000	16:40	99.94	4857.71	
0824	N	4958.21	01/31/2000	15:57	171.73	4786.48	

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
REPORT DATE: 4/20/2000 4:20 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT DATE	MEASUREMENT TIME	DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)	WATER LEVEL FLAG
0825	N	4958.68	01/31/2000	16:20	151.44	4807.24	
0826	N	4950.73	02/04/2000	15:14	16.68	4934.05	
0827	N	4946.92	02/03/2000	11:00	24.98	4921.94	
0828	N	4949.34	02/03/2000	17:21	12.91	4936.43	
0829	N	4941.94	02/03/2000	13:15	52.30	4889.64	
0830	N	4960.77	02/03/2000	15:10	10.39	4950.38	
0832	N	4964.65	02/07/2000	10:58	27.50	4937.15	
0833	N	4940.52	02/06/2000	16:14	26.80	4913.72	
0835	N	4930.48	02/07/2000	08:37	17.61	4912.87	
0836	N	4901.74	01/31/2000	15:43	24.36	4877.38	
		4901.74	02/06/2000	13:07	24.59	4877.15	
0837	N	4889.54	02/01/2000	16:40	15.33	4874.21	
		4889.54	02/06/2000	09:55	15.34	4874.20	
0838	N	4937.70	02/06/2000	15:04	24.17	4913.53	
0839	N	4943.21	02/07/2000	09:14	24.80	4918.41	
0841	N	4984.05	02/07/2000	12:31	45.02	4939.03	
0843	N	4883.56	01/31/2000	16:41	11.10	4872.46	
		4883.56	02/06/2000	11:23	11.11	4872.45	
0844	N	4948.46	02/07/2000	09:43	30.28	4918.18	
0846	N	4934.57	02/06/2000	14:13	23.85	4910.72	
0847	N	4924.35	02/01/2000	14:43	13.54	4910.81	
0848	N	4949.91	02/02/2000	09:44	36.16	4913.75	
1048		-	02/06/2000	12:40	6.00	-6.00	
1049		-	02/06/2000	12:05	7.51	-7.51	

RECORDS: SELECTED FROM USEE700 WHERE site_code='SHP02' AND LOG_DATE between #1/30/2000# and #2/28/2000#

FLOW CODES:
N UNKNOWN O ON-SITE

WATER LEVEL FLAGS:
D Dry

SAMPLING WORK ORDER AND TRIP REPORT

MACTEC-ERS
MACTEC ENVIRONMENTAL RESTORATION SERVICES, LLC

USHP000318

CONTRACT NO.: DE-AC13-96GJ87335
TASK ORDER NO.: MAC00-05
CONTROL NO.: 3100-T00-0245

December 29, 1999

Technical/Project Manager
Department of Energy
Grand Junction Office
2597 B3/4 Road
Grand Junction, CO 81503
ATTN: Donald Metzler

SUBJECT: Contract No. DE-AC13-96GJ87335—January 2000 UMTRA Ground Water Sampling at Shiprock, New Mexico

Dear Mr. Metzler:

Attached are the map and tables specifying the sampling locations and analytes for routine monitoring at the Shiprock, New Mexico, UMTRA site. Water quality data will be collected from monitor wells at this site as part of the routine UMTRA Ground Water sampling which is scheduled to begin the week of January 31, 2000.

The following lists show the Ground Water Project well locations (with associated zone of completion) and surface water locations that will be sampled during this sampling event.

Ground Water Project Monitor Wells (filtered)*

SHP01

608 Km	617 Al	630 Al	734 Al	775 Al	851 Al	857 Al
610 Al	619 Al	631 Al	735 Al	779 Al	852 Al	860 Km
612 Al	620 Al	632 Al	736 Al	782 Al	853 Al	861 Km
614 Al	624 Al	635 Al	766 Al	783 Al	854 Al	862 Km
615 Al	626 Al	732 Al/Km	768 Al	784 Al	855 Al	863 Km
616 Al	628 Al	733 Al	773 Al	850 Al	856 Al	

SHP02

600 Km	730 Al/Km	805 Km	819 Km	826 Al/Km	835 Al	844 Al/Km
602 Km	731 Al/Km	810 Km	820 Km	827 Al/Km	836 Al	845 Al
603 Al/Km	800 Km	812 Al/Km	821 Km	828 Al/Km	837 Al	846 Al/Km
604 Km	801 Km	813 Al/Km	822 Km	829 Km	838 Al	847 Al/Km
725 Al/Km	802 Km	814 Al/Km	823 Km	830 Km	839 Al/Km	848 Al/Km
726 Km	803 Km	815 Al/Km	824 Km	832 Al/Km	841 Al	1048 Km
727 Km	804 Km	816 Al/Km	825 Km	833 Al	843 Al	1049 Km
728 Al/Km						

*NOTE: Al = Alluvium; Km = Mancos Shale

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GRAND JUNCTION, COLORADO 81503
970/248-6000 (FAX) 970/248-6040

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Surface Water (filtered)

SHP01

546	555	657	888	895	898	940
548	655	658	893	896	939	941
553	656	887	894	897	(plus 5 new locations)	

SHP02

425	786	886	933	935	942	1264
426	884	889	934	936	1263	1265
662	885					

Data loggers will be downloaded from the following locations:

602	728	826	835	841	846	857
616	730	827	836	843	847	899
617	731	830	837	845	848	

QA/QC samples will be collected as directed in the *Sampling and Analysis Plan for the UMTRA Ground Water Project*. Samples collected for alkalinity will be filtered and unfiltered. Water level information will be collected from the sampled wells only. Monitor well inspections will be conducted and documented to confirm the status of all sampled wells. Access agreements are being reviewed and are expected to be completed by the beginning of fieldwork.

If you have any questions, please call me at extension 6059 or Dave Miller at extension 6652.

Sincerely,

for

Sam Marutzky
Project Manager

SM/lcg/ld
Attachments

cc w/o att: R. Bowen
D. E. Miller, MACTEC
K. Miller
D. Traub
Contract File (J. Dearborn)

cc w/att: C. Bahrke
C. Goodknight
R. Chessmore
Project Record File GWSHP 14.06 thru P. Taylor

Sampling Frequencies for Locations at Shiprock, New Mexico

Location	Quarterly	Semi-annually	Annually	Biennially	Not Sampled	Notes
Ground Water Project Monitor Wells						
SHP01						
608		X				
610		X				
612		X				
614		X				
615		X				
616		X				DATA LOGGER
617		X				DATA LOGGER
619		X				
620		X				
624		X				
626		X				
628		X				
630		X				
631		X				North of river
632		X				North of river
635		X				North of river
732		X				North of river
733		X				North of river
734		X				
735		X				
736		X				
766		X				New well point 10/99
768		X				New well point 10/99
773		X				New well point 10/99
775		X				New well point 10/99
779		X				New well point 10/99
782		X				New well point 10/99; "Island Area"
783		X				New well point 10/99; "Island Area"
784		X				New well point 10/99; "Island Area"
850		X				
851		X				
852		X				
853		X				
854		X				
855		X				
856		X				
857		X				DATA LOGGER
860		X				
861		X				No water
862		X				
863		X				
SHP02						
600		X				
602		X				DATA LOGGER
603		X				
604		X				
725		X				
726		X				

Sampling Frequencies for Locations at Shiprock, New Mexico

Location	Quarterly	Semi-annually	Annually	Biennially	Not Sampled	Notes
SHP02 (continued)						
727		X				
728		X				DATA LOGGER
730		X				DATA LOGGER
731		X				DATA LOGGER
800		X				Sample if enough water
801		X				Sample if enough water
802		X				Sample if enough water
803		X				Sample if enough water
804		X				Sample if enough water
805		X				Sample if enough water
810		X				Sample if enough water
812		X				
813		X				
814		X				
815		X				
816		X				
819		X				
820		X				
821		X				No water
822		X				No water
823		X				No water
824		X				
825		X				No water
826		X				DATA LOGGER
827		X				DATA LOGGER
828		X				
829		X				
830		X				DATA LOGGER
832		X				
833		X				
835		X				DATA LOGGER
836		X				DATA LOGGER
837		X				DATA LOGGER
838		X				
839		X				
841		X				DATA LOGGER
843		X				DATA LOGGER
844		X				
845		X				Sample if enough water
846		X				DATA LOGGER
847		X				DATA LOGGER
848		X				DATA LOGGER
1048		X				Many Devils Wash
1049		X				Many Devils Wash
Surface Water/Sediment Locations						
SHP01						
546		X				North of River
548		X				North of River
549					X	Replaced by 895

Sampling Frequencies for Locations at Shiprock, New Mexico

Location	Quarterly	Semi-annually	Annually	Biennially	Not Sampled	Notes
Surface Water/Sediment Locations						
SHP01 (continued)						
551					X	Replaced by 894
553		X				San Juan River
555		X				San Juan River
556					X	Replaced by 895
655		X				
656		X				Sample if enough water
657		X				Outflow ditch from wetland
658		X				Wetland
887		X				Distributary channel
888		X				San Juan River
893		X				San Juan River
894		X				San Juan River
895		X				San Juan River
896		X				San Juan River
897		X				San Juan River
898		X				San Juan River
939		X				Distributary channel
940		X				Just NE of 854, San Juan River
941		X				Just N of 856, San Juan River
NEW		X				USFWS Endangered fish habitat
NEW		X				USFWS Endangered fish habitat
NEW		X				USFWS Endangered fish habitat
NEW		X				USFWS Endangered fish habitat
NEW		X				USFWS Endangered fish habitat
SHP02						
425		X				Escarpment Seep
426		X				Escarpment Seep
662		X				Lower Bob Lee Wash
786		X				Seep below US Hwy 666 bridge
884		X				Irrigation return flow
885		X				Upper Bob Lee Wash
886		X				Many Devils Wash
889		X				Many Devils Wash
933		X				1st wash W of Highway 666
934		X				2nd wash W of Highway 666
935		X				Seep near 1st wash
936		X				Seep between 1st & 2nd washes
942		X				Pond NW of 847
1263		X				Outflow ditch East of artesian well 648
1264		X				Outflow ditch East of artesian well 648
1265		X				Outflow ditch East of artesian well 648

Constituent Sampling Breakdown For Individual UMTRA Sites

Site	Shiprock	
Analyte	Ground Water	Surface Water
Approx. No. Samples/yr	182	80
Field Measurements	*GW*	*GW*
Alkalinity	X	X
Dissolved Oxygen	X	X
Redox Potential	X	X
pH	X	X
Specific Conductance	X	X
Turbidity	X	
Temperature	X	X
Laboratory Measurements	*GW*	*GW*
Aluminum		
Ammonium	X	X
Antimony	X	X
Arsenic	X	X
Barium		
Beryllium		
Bromide		
Cadmium	X	X
Calcium	X	X
Chloride	X	X
Chromium		
Cobalt		
Copper		
Fluoride	X	X
Gamma Spec		
Gross Alpha	X	X
Gross Beta		
Iron	X	X
Lead		
Lead-210		
Magnesium	X	X
Manganese	X	X
Molybdenum	X	X

Constituent Sampling Breakdown For Individual UMTRA Sites

Site	Shiprock	
Analyte	Ground Water	Surface Water
Laboratory Measurements (Continued)	*GW*	*GW*
Nickel		
Nickel-63		
Nitrate	X	X
Organics		
PCBs		
Phosphate		
Polonium-210	X	X
Potassium	X	X
Radium-226	X also 600,602,727,815 filtered AND unfiltered	X
Radium-228	X also 600,602,727,815 filtered AND unfiltered	X
Selenium	X	X
Silica		
Sodium	X	X
Strontium	X	X
Sulfate	X	X
Sulfide		
Thallium		
Thorium-230	600, 602, 727, 815 filtered AND unfiltered	
Thorium-232	600, 602, 727, 815 filtered AND unfiltered	
Total Dissolved Solids	X	X
Uranium	X	X
Vanadium	603, 730, 830	
Zinc		
Total Analytes	26	23

Note: All samples are considered filtered unless stated otherwise. All private well samples are to be unfiltered. The total number of analytes does not include field parameters.

* The left number represents Ground Water Project samples and the right number represents LTSM Project samples.

12/29/99

USHP000357

MACTEC ENVIRONMENTAL RESTORATION SERVICES, LLC

CONTRACT NO.: DE-AC13-96GJ87335
TASK ORDER NO.: MAC00-05
CONTROL NO.: 3100-N/A

MEMO TO: Sam Marutzky

FROM: Dan Sellers DS by Lad

DATE: February 17, 2000

SUBJECT: *UMTRA Groundwater Trip Report - Shiprock NM*

Site: Shiprock, NM

Dates of Sampling Event: January 31 through February 8, 2000

Team Members: Dave Traub, Joe Trevino, Jeff Price, Thomas Maveal, Chuck Poland, and Dan Sellers. Michele Dineyazhe observed the collection of samples taken at the seeps along the escarpment and in Bob Lee Wash.

Number of Locations Sampled: 127 locations were scheduled for sampling during this event. This included wells, surface locations and seeps. Several of the wells and surface locations were dry. Table 1 lists each location and relevant information about each location, (i.e., requested sample to collect, any field variances or other comments). A total of 109 locations out of the requested 127 locations were sampled.

Additional filtered and unfiltered water samples were collected at the following locations and analyzed for Thorium 230/232 and Radium226/228: 600, 602, 727, and 815. Additional unfiltered water samples were collected at the following sample locations and sent to Battelle Labs (Jim McKinnley): 600, 602, 603, 615, 619, 728, 819, 826, 853, 854, 898, and 426.

Samples were collected from water line taps near Teec Nos Pos. A set of samples collected was sent to the ESL lab for analysis of NO_3, U, SO_4, and NH_3. Another sample set was collected and sent to the GJ Chemistry Lab for normal suite of analytes. The following list is the identification given for the samples collected at three locations along the water line: TNP-1, TNP-2, and TNP-3 (see Table 1).

Locations Not Sampled: See Table 1.

Location Specific Information: See Table 1. Several locations (wells or surface location) could not be sampled for the entire analyte list because they were dry or had an insufficient amount of water after being purged and did not recover. Data loggers were down loaded at the following wells: 602, 617, 728, 730, 731, 826, 827, 830, 835, 836, 837, 841, 843, 845, 846, 848, 857, and 899

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GWShp 14.12

The Down Hole Camera was lowered into wells 848 and 863 to determine status of well construction and screen depths. A recording of each well is on tape. Depth to screen in well 848 is from 45.0 ft. to 147.0 ft. Well 863 had murky water in it, therefore, there was not a clear view of the casing.

Quality Control Sample Cross Reference:

Quality Control Sample Cross Reference				
False Location ID	True Location Number	Ticket Number	Sample Type	
Well 1000	425	NDK 614	Duplicate	SEEP
Well 1002	884	NDK 638	Duplicate	SURFACE
Well 1100	856	NDK 088	Duplicate	GROUNDWATER
Well 1101	626	NDK 094	Duplicate	GROUNDWATER
Well 500	847	NDK 705	Duplicate	GROUNDWATER
Well 501	728	NDK 721	Duplicate	GROUNDWATER
Well 503	619	NDK 725	Duplicate	GROUNDWATER
Well 505	725	NDK 733	Duplicate	GROUNDWATER
Well 1001	934	NDK 630	EB	
Well 504	619	NDK 726	EB	
Well 506	725	NDK 734	EB	

Requisition Numbers: The requisition numbers for the samples are 16911 and 16913. Several samples were transported to the laboratory on February 4, 2000, in order to meet holding times for TDS. The remainder of the samples was delivered to sample receiving on February 8, 2000.

Water Level Measurements: Water level measurements were completed on all wells scheduled for sampling and others requested (see attached and field data books).

Well Inspection Summary: Well inspections were made on all wells scheduled for sampling.

Equipment: None

Regulatory Issues: None

Site Issues: None

TABLE 1. Well Locations

		Sample Analytes									
Well Number	Ticket Number	Filtered							Unfiltered		Comments/Notes
		METALS	Ra-226, Ra-228 Th 232	Gross alpha	PO-210	ANIONS	NO3 / NH4	TDS	METALS	Ra-226 Ra-228, Th 232	
Well 600	NDK 718	X	X	X	X	X	X	X	X	X	Purged dry (12 volt submersible), recovered <1hr. **Th-230 and Th 232 Collected**
Well 602	NDK 703	X	X	X	X	X	X	X	X	X	Grundfos **Th-230 and Th 232 Collected**
Well 603	NDK 722	X	X	X	X	X	X	X			Collected for **VANADIUM**
Well 604	NDK 701	X	X	X	X	X	X	X			Purged dry (Grundfos), recovery <1hr
Well 608	NDK 624	X	X	X	X	X	X	X			
Well 610	NDK 104	X	X	X	X	X	X	X			Purged dry (12 volt submersible), recovery >1hr
Well 612	NDK 102	X	X	X	X	X	X	X			Roots in well
Well 614	NDK 103	X	X	X	X	X	X	X			
Well 615	NDK 727	X	X	X	X	X	X	X			Purged >10bv; Did not meet turbidity.
Well 616	NDK 099	X	X	X	X	X	X	X			
Well 617	NDK 100	X	X	X	X	X	X	X			
Well 619	NDK 724	X	X	X	X	X	X	X			LAB QC
Well 620	NDK 101	X	X	X	X	X	X	X			
Well 624	NDK 096	X	X	X	X	X	X	X			
Well 626	NDK 093	X	X	X	X	X	X	X			
Well 628	NDK 092	X	X	X	X	X	X	X			
Well 630	NDK 085	X	X	X	X	X	X	X			
Well 631	NDK 747	X	X	X	X	X	X	X			
Well 632	NDK 748	X	X	X	X	X	X	X			
Well 725	NDK 732	X	X	X	X	X	X	X			Lab QC
Well 726	NDK 735	X	X	X	X	X	X	X			
Well 727	NDK 736	X	X	X	X	X	X	X	X	X	Purged dry (12 volt submersible), recovered <1hr; **Th-230 and Th 232 Collected**
Well 728	NDK 720	X	X	X	X	X	X	X			
Well 730	NDK 741	X			X	X	X	X			Bailed samples without purge due to historical recovery >48 hr. Only enough water to collect samples shown in table. Collected for **VANADIUM**; very acidic
Well 731	NDK 710	X	X	X	X	X	X	X			Purged dry (12 volt submersible), recovered <1hr.
Well 732	NDK 634	X	X	X	X	X	X	X			
Well 733	NDK 749	X	X	X	X	X	X	X			LAB QC.
Well 734	NDK 086	X	X	X	X	X	X	X			
Well 735	NDK 105	X	X	X	X	X	X	X			Purge 10 bv
Well 736	NDK 089	X	X	X	X	X	X	X			USE Peristaltic; plant roots invading screened zone

		Sample Analytes									
Well Number	Ticket Number	Filtered							Unfiltered		Comments/Notes
		METALS	Ra-226, Ra-228 Th 232	Gross alpha	PO-210	ANIONs	NO3 / NH4	TDS	METALS	Ra-226 Ra-228, Th 232	
Well 812	NDK 745	X			X	X	X	X			Bailed samples without purge due to historical recovery >48 hr. Only enough water to collect samples shown in table.
Well 813	NDK 740	X	X	X	X	X	X	X			
Well 814	NDK 739	X			X	X	X	X			Bailed samples without purge due to historical recovery >48 hr. Only enough water to collect samples shown in table.
Well 815	NDK 744	X	X	X	X	X	X	X	X	X	**Th-230 and Th 232 Collected**
Well 816	NDK 742	X	X	X	X	X	X	X			
Well 819	NDK 746	X	X	X	X	X	X	X			Bailed dry. Sampled >48hr
Well 820	NDK 750					X	X	X			Bailed dry. Sampled >48hr. Bailed samples. Only enough water to collect samples shown in table. Alkalinity not taken.
Well 823	NDK 713					X	X				Bailed Dry. Sampled <1hr. Only enough water to collect samples shown in table. Alkalinity not taken.
Well 824	NDK 712	X	X	X	X	X	X	X			Purged dry (Grundfos), recovery, <1hr. Bailed samples. Alkalinity not taken.
Well 826	NDK 719	X	X	X	X	X	X	X			Purged dry (12 volt submersible), recovered <1hr
Well 827	NDK 709	X	X	X	X	X	X	X			Purged dry (12 volt submersible), recovered <1hr.
Well 828	NDK 714	X	X	X	X	X	X	X			
Well 830	NDK 711	X	X	X	X	X	X	X			Purged dry (12 volt submersible), recovered <1hr. **Water was milky white. Acidic (5.18 pH). VANADIUM COLLECTED**
Well 832	NDK 649	X	X	X	X	X	X	X			Purged >10 BV. Did not meet turbidity
Well 833	NDK 646	X	X	X	X	X	X	X			
Well 835	NDK 647	X	X	X	X	X	X	X			
Well 836	NDK 076	X	X	X	X	X	X	X			Purged 10 BV. Did not meet turbidity **Sampled TWICE**
Well 836	NDK 643	X	X	X	X	X	X	X			Purged 10 BV.
Well 837	NDK 084	X	X	X	X	X	X	X			Purged almost 10 BV. Met turbidity. **Sampled TWICE**
Well 837	NDK 641	X	X	X	X	X	X	X			Purged 10 BV. Did not reach turbidity
Well 838	NDK 645	X	X	X	X	X	X	X			Purged >10 BV. Did not meet turbidity
Well 839	NDK 743	X	X	X	X	X	X	X			Purged dry (12 volt submersible), recovered <1hr
Well 841	NDK 650	X	X	X	X	X	X	X			Purged 10 BV. Did not meet turbidity
Well 843	NDK 077	X	X	X	X	X	X	X			Sampled TWICE
Well 843	NDK 642	X	X	X	X	X	X	X			
Well 844	NDK 648	X	X	X	X	X	X	X			LAB QC; well not labeled

		Sample Analytes									
Well Number	Ticket Number	Filtered							Unfiltered		Comments/Notes
		METALS	Ra-226, Ra-228 Th 232	Gross alpha	PO-210	ANIONs	NO3 / NH4	TDS	METALS	Ra-226 Ra-228, Th 232	
Well 846	NDK 644	X	X	X	X	X	X	X			
Well 847	NDK 704	X	X	X	X	X	X	X			LAB QC
Well 848	NDK 706		X	X	X	X	X	X			Metals bottle empty
Well 850	NDK 708	X	X	X	X	X	X	X			Purged dry (12 volt submersible), recovered <1hr.
Well 853	NDK 729	X	X	X	X	X	X	X			Purged >10 BV. Did not meet turbidity
Well 854	NDK 723	X	X	X	X	X	X	X			Purged dry (12 volt submersible), recovered <1hr.
Well 855	NDK 091	X	X	X	X	X	X	X			
Well 856	NDK 087	X	X	X	X	X	X	X			
Well 857	NDK 097	X	X	X	X	X	X	X			
Well 860	NDK 717	X				X	X	X			Bailed samples without purge due to historical recovery >48 hr. Only enough water to collect samples shown in table. Alkalinity not taken.
Well 862	NDK 716						X				Purged dry (Bailer). Only enough water to collect samples shown in table. Alkalinity not taken.
Well 863	NDK 715	X				X	X	X			Bailed samples without purge due to historical recovery >48 hr. Only enough water to collect samples shown in table.
Well 766	NDK 090	X	X	X	X	X	X	X			Well PT.
Well 768	NDK 731	X	X	X	X	X	X	X			Well PT. Purged Dry. 12 volt submersible Recovered < 1hr.
Well 773	NDK 730	X	X	X	X	X	X	X			Well PT.
Well 775	NDK 095	X	X	X	X	X	X	X			Well PT.
Well 779	NDK 098	X	X	X	X	X	X	X			Well PT.
Well 782	NDK 081	X	X	X	X	X	X	X			Well PT.
Well 783	NDK 082	X	X	X	X	X	X	X			Well PT.
Well 784	NDK 083	X	X	X	X	X	X	X			Well PT.
Well 1049	NDK 737	X	X	X	X	X	X	X			Peristaltic takes 8 min/1 liter sample. 1" casing. Dedicated tubing. Purged >10 bv; did not meet turbidity.
Well 1048	NDK 738	X	X	X	X	X	X	X			Peristaltic recovers nicely. No dedicated tubing. Purged >10 bv
TNP-1	NDK 078	X	X	X	X	X	X	X			LINE TAP IN Teec Nos Pos
TNP-2	NDK 079	X	X	X	X	X	X	X			LINE TAP IN Teec Nos Pos
TNP-3	NDK 080	X	X	X	X	X	X	X			LINE TAP IN Teec Nos Pos

Sample NOT Taken	
Well 800	DRY <.04 ft
Well 801	DRY <.18 ft
Well 802	DRY <.04ft

Well Number	Ticket Number	Sample Analytes									Comments/Notes
		Filtered							Unfiltered		
		METALS	Ra-226, Ra-228 Th 232	Gross alpha	PO-210	ANIONs	NO3 / NH4	TDS	METALS	Ra-226 Ra-228, Th 232	
Well 803	DRY										
Well 804	DRY										
Well 805	DRY <.25 ft										
Well 810	DRY <.15 ft										
Well 821	DRY <.29 ft										
Well 822	DRY										
Well 825	INSUFFICIENT WATER-did not recover/BAILED										
Well 829	INSUFFICIENT WATER-did not recover /BAILED										
Well 845	DRY										
Well 861	INSUFFICIENT WATER-Bailer could not reach water. Casing appears to be bent at bottom.										
Well 635	Excluded due to bad well										
Well 851	Excluded										
Well 852	Excluded										

Table 1. (cont.) Surface Sample Locations

Surface Location Number	Ticket Number	Sample Analytes								Comments/Notes
		METALS	Ra-226-Ra-228	Gross alpha	PO-210	ANIONs	NO3 / NH4	TDS	VOC's	
425	NDK 611	X	X	X	X	X	X	X		
426	NDK605	X	X	X	X	X	X	X		
546	NDK 633	X	X	X	X	X	X	X		
548	NDK 635	X	X	X	X	X	X	X		
553	NDK 623	X	X	X	X	X	X	X		
555	NDK 610	X	X	X	X	X	X	X		
655	NDK 618	X	X	X	X	X	X	X		
657	NDK 616	X	X	X	X	X	X	X		
658	NDK 615	X	X	X	X	X	X	X		
786	NDK 626	X	X	X	X	X	X	X		Set up funnels and tygon to drip seep water into gallon containers
662	NDK 608	X	X	X	X	X	X	X		
884	NDK 639	X	X	X	X	X	X	X		
885	NDK 609	X	X	X	X	X	X	X		
886	NDK 613	X	X	X	X	X	X	X		
887	NDK 637	X	X	X	X	X	X	X		
888	NDK 625	X	X	X	X	X	X	X		
889	NDK 612	X	X	X	X	X	X	X		
893	NDK 627	X	X	X	X	X	X	X		Edge of San Juan River at mouth of canal

Surface Location Number	Ticket Number	Sample Analytes								Comments/Notes
		METALS	Ra-226-Ra-228	Gross alpha	PO-210	ANIONS	NO3 / NH4	TDS	VOC's	
894	NDK 617	X	X	X	X	X	X	X		
895	NDK 620	X	X	X	X	X	X	X		
896	NDK 621	X	X	X	X	X	X	X		
897	NDK 728	X	X	X	X	X	X	X		
898	NDK 707	X	X	X	X	X	X	X		
933	NDK 629	X	X	X	X	X	X	X		
934	NDK 631	X	X	X	X	X X	X	X		
935	NDK 628	X	X	X	X	X	X	X		Need to set jugs out day before
936	NDK 632	X	X	X	X	X	X	X		Access via 935 route
939	NDK 640	X	X	X	X	X	X	X		
940	NDK 622	X	X	X	X	X X	X	X		LAB QC
941	NDK 619	X	X	X	X	X	X	X		
942	NDK 636	X	X	X	X	X	X	X		
1263	NDK 607	X	X	X	X	X	X	X		
1263	NDK 606	X	X	X	X	X	X	X		NOT FILTERED
1264	NDK 604	X	X	X	X	X	X	X		
1264	NDK 603	X	X	X	X	X	X	X		NOT FILTERED
1265	NDK 602	X	X	X	X	X	X	X		NOT FILTERED
1265	NDK 601	X	X	X	X	X	X	X		
Sample NOT taken										
656	DRY									
427	DRY									

DS/lcg

Distribution:

cc: C. Bahrke
C. Goodknight
D. Metzler
K. Miller
Project Record File GWSHP 14.12 thru P. Taylor