

USHP000683



**DATA VALIDATION
Shiprock, NM**

**February 2001
Water Sampling**

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



RECORD COPY

SHIPROCK, NEW MEXICO
Sampled February 2001

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: Shiprock

Sampling Period: February 5 - 22, 2001

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?

Selenium concentration from well 847 (0.0542 mg/l) exceeded the UMTRA ground water standard. The nitrate (973 mg/l) and selenium (1.990 mg/l) concentrations from well 848 exceeded UMTRA ground water and primary drinking water standards, and the uranium concentration (0.0623 mg/l) in well 848 exceeded the UMTRA groundwater 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. Graphs that show nitrate, selenium, and uranium concentrations versus time for wells 847 and 848 are included in this report. These plots show consistently elevated concentrations of selenium in well 847 and elevated nitrate, selenium, and uranium in well 848.

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

There are no point-of-compliance wells established at the Shiprock site.

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

The distribution and rate of movement of contaminated ground water at the site was assessed in the Final Site Observational Work Plan (SOWP) issued in November 2000. Ground water sampling data from this sampling round did not indicate any unexpected movement of contaminated ground water outside of what was portrayed in the SOWP. 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 in this report.

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?

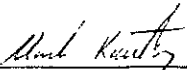
No statistical evidence presently exists. Until there are adequate paired sampling events to provide a statistically valid comparison, the following analysis is provided for comparison to benchmark values. Surface water concentrations were compared to benchmark values derived from sample data from locations 888 and 898, which are on the San Juan River upstream from the site. The benchmark value shown in Table 2 used for comparison of each analyte is the maximum concentration from these locations since they were first sampled in December 1998. At locations 887 and 939, which are both on a distributary channel of the San Juan River, values of nitrate, selenium, and uranium exceeded

benchmark values (Table 2). Benchmark values for nitrate, selenium, and uranium were exceeded at location 894, and the benchmark value for uranium was exceeded at location 940. Both 894 and 940 are on the San Juan River. The other locations (655, 657, and 658) that had exceedances are all on the floodplain and not on the river. San Juan River water flows through the distributary channel when the river stage is high; however, at the time of this sampling, the river stage was low and no river water was entering the channel.


Therefore, the exceedances at 887 and 939 reflect contaminated ground water emerging in seeps from the terrace system to the south. The draft SOWP indicated no unacceptable human health risks are associated with exposure to surface water in washes and seeps. The interim action further reduced potential risks in these areas. The sample concentration of uranium (0.0055 mg/l) from location 940 barely exceeded the benchmark value. This location is on the San Juan River adjacent to the floodplain ground water contamination plume and was conducted during a low flow period of the river (approximately 1000 cubic feet per second). Historically, this location has had concentrations of uranium that exceed the benchmark during periods of low river flow. In February 2000 at a slightly lower flow in the river, the uranium concentration at this location was 0.0469 mg/l (about an order of magnitude higher than the present value). Concentrations of uranium exceeding benchmark values are diluted rapidly downstream of location of 940, as demonstrated by the very low uranium concentrations at locations 895 and 956. Therefore, withdrawal of water from the intake structure on the north side of the river, and its use as a backup drinking water supply, will not adversely affect human health.

Sample concentrations from location 894 exceed the respective benchmark values for nitrate, selenium, and uranium (Table 2). This location is on the San Juan River where the floodplain drainage channel discharges into the river. During the low river flow, water sampled at this location is indicative of drainage channel water quality. Sample concentrations of nitrate, selenium, and uranium from location 894 are similar to location 655 (Table 2), which is on the drainage channel upstream of location 894. During high river flow, sample concentrations from location 894 are lower and are indicative of river water quality.

Benchmark values are 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.



Mark Kautsky 6-21-01
Site Hydrologist Date



Craig Goodknight 6/21/01
Site Lead Date

Table 1. Shiprock Wells Exceeding UMTRA Standards in February 2001.

Analyte	Standard (mg/l)	Site_code	Wells (and concentrations) exceeding standard
Nitrate	44.27	SHP01	608 (2100), 610 (3340), 614 (3330), 615 (3600), 616 (174), 618 (988), 619 (84.7), 620 (143), 624 (190), 734 (223), 735 (465), 766 (961), 768 (61.7), 773 (1510), 775 (1100), 779 (120), 854 (1570)
Nitrate	44.27	SHP02	600 (561), 602 (120), 603 (4210), 604 (5220), 727 (2060), 728 (197), 730 (680), 812 (5850), 813 (5840), 814 (4100), 815 (3010), 816 (242), 818 (10100), 819 (105), 820 (342), 823 (263), 824 (76.0), 826 (101), 827 (262), 828 (124), 830 (308), 832 (1290), 833 (1100), 835 (224), 836 (84.1), 839 (2390), 841 (2390), 844 (340), 846 (419), 848 (973), 1007 (1360), 1049 (3040), 1057 (4830), 1059 (1450), 1060 (1510)
Selenium	0.01	SHP01	610 (0.0141), 614 (0.0609), 615 (1.810), 616 (0.070), 618 (0.175), 619 (0.334), 620 (0.204), 624 (0.272), 626 (0.013), 628 (0.0269), 734 (0.147), 735 (0.117), 766 (0.0526), 768 (0.768), 773 (0.0168), 775 (0.019), 854 (0.0117), 855 (0.0761)
Selenium	0.01	SHP02	603 (0.251), 604 (0.293), 725 (0.016), 726 (0.0261), 730 (0.0145), 812 (6.440), 813 (0.0586), 814 (2.350), 815 (0.358), 816 (0.0745), 818 (2.560), 828 (0.0313), 830 (0.0259), 832 (1.580), 833 (0.550), 835 (0.137), 836 (0.185), 837 (0.0242), 838 (0.0404), 841 (2.980), 844 (0.301), 846 (0.915), 847 (0.0542), 848 (1.990), 1007 (0.0814), 1049 (1.790), 1057 (0.562), 1059 (0.225), 1060 (2.920), DM7 (0.0165)
Uranium	0.044	SHP01	608 (1.92), 610 (2.05), 614 (2.05), 615 (2.83), 616 (0.403), 618 (0.792), 619 (0.847), 620 (0.711), 624 (0.824), 626 (0.0788), 734 (0.131), 735 (0.0564), 736 (0.322), 766 (4.440), 768 (1.090), 773 (0.886), 775 (2.50), 779 (0.924), 853 (0.142), 854 (3.910), 855 (0.0636), 857 (0.238)
Uranium	0.044	SHP02	600 (1.130), 602 (0.727), 604 (0.0733), 727 (0.405), 728 (0.200), 812 (0.117), 813 (0.151), 814 (0.125), 815 (0.316), 818 (0.0925), 819 (0.949), 820 (0.0977), 823 (0.133), 824 (0.147), 826 (3.430), 827 (0.581), 828 (0.343), 832 (0.0533), 833 (0.126), 836 (0.0498), 839 (0.437), 841 (0.110), 844 (0.0564), 848 (0.0623), 1007 (1.590), 1049 (0.141), 1057 (0.110), 1059 (0.0705), 1060 (0.127)

Table 2. Locations that Exceeded Surface Water Benchmarks in February 2001.

Location Code	Site Code	Location Comments	Analyte	BENCH-MARK	FEB 2001 ₁
655	SHP01	Ditch in NW end of floodplain	Nitrate	3.63	21.20
			Selenium	0.0018	0.0239
			Uranium	0.0046	0.0484
657	SHP01	Outflow from floodplain wetland	Nitrate	3.63	6.43
			Selenium	0.0018	0.0122
			Uranium	0.0046	0.0258
658	SHP01	Floodplain wetland	Nitrate	3.63	7.42
			Selenium	0.0018	0.0132
			Uranium	0.0046	0.0263
887	SHP01	Distributary channel of San Juan River, adjusted 100 feet North of GPS location	Nitrate	3.63	351.00
			Selenium	0.0018	0.239
			Uranium	0.0046	0.0560
894	SHP01	S. bank San Juan River, just east of Hyw 666 bridge	Nitrate	3.63	7.03
			Selenium	0.0018	0.0080
			Uranium	0.0046	0.0149
939	SHP01	Distributary channel of San Juan River	Nitrate	3.63	141.00
			Selenium	0.0018	0.147
			Uranium	0.0046	0.0357

Table 2 (continued). Locations that Exceeded Surface Water Benchmarks in February 2001.

Location Code	Site Code	Location Comments	Analyte	BENCH-MARK	FEB 2001 ₁
940	SHP01	S. bank San Juan River, about 2500 ft. E of Hwy 666 bridge	Nitrate	3.63	Below
			Selenium	0.0018	Below
			Uranium	0.0046	0.0055
425	SHP02	Escarpment seep North of millsite	Nitrate	3.63	237.0
			Selenium	0.0018	0.0308
			Uranium	0.0046	0.523
426	SHP02	Escarpment seep just East of Bob Lee Wash mouth	Nitrate	3.63	115.0
			Selenium	0.0018	0.144
			Uranium	0.0046	0.246
662	SHP02	Bob Lee Wash, just below outflow ditch confluence	Nitrate	3.63	10.1
			Selenium	0.0018	0.013
			Uranium	0.0046	0.0227
786	SHP02	Escarpment seep at US Hwy 666 bridge	Nitrate	3.63	274.0
			Selenium	0.0018	0.152
			Uranium	0.0046	0.0435
884	SHP02	Lower irrigation return flow ditch	Nitrate	3.63	128.0
			Selenium	0.0018	0.276
			Uranium	0.0046	0.0364
885	SHP02	Bob Lee Wash, just above confluence of well 648 outflow ditch	Nitrate	3.63	130.0
			Selenium	0.0018	0.0314
			Uranium	0.0046	1.240
886	SHP02	Many Devils Wash, above knickpoint	Nitrate	3.63	3400
			Selenium	0.0018	1.830
			Uranium	0.0046	0.173
889	SHP02	Many Devils Wash, just below knickpoint	Nitrate	3.63	3430
			Selenium	0.0018	2.000
			Uranium	0.0046	0.166
933	SHP02	1st wash, W of US Hwy 666	Nitrate	3.63	428
			Selenium	0.0018	0.241
			Uranium	0.0046	0.0829
934	SHP02	Upper part of 2nd wash, W of US Hwy 666	Nitrate	3.63	195
			Selenium	0.0018	0.148
			Uranium	0.0046	0.0361
935	SHP02	Seep just upstream from 1st wash confluence with distributary channel	Nitrate	3.63	406
			Selenium	0.0018	0.225
			Uranium	0.0046	0.0661
936	SHP02	Seep between 1st wash and 2nd wash, W of US Hwy 666	Nitrate	3.63	576
			Selenium	0.0018	0.323
			Uranium	0.0046	0.0501
942	SHP02	Pond N of Shiprock High School and US Hwy 64	Nitrate	3.63	197
			Selenium	0.0018	0.367
			Uranium	0.0046	0.0363

₁ Units are in milligrams per liter.

DATA ASSESSMENT

DATA PACKAGE ASSESSMENT

REQUISITION NUMBERS: 17302 SITE: Shiprock LABORATORY: GJO ANALYSIS DATES: 2/9/01 to 3/23/01

REVIEWER: Sam Campbell Sam Campbell 4-13-01

NAME (print)

SIGNATURE

DATE

	U	Se							SO Cl, NO ₂	TDS	NH ₄		
	ICP-MS	ICP-AES	GFAA	FAA	NaBH ₄	AS	LSc	PC	IC	Gravimetric	Colorimetric	Other	
CHAIN OF CUSTODY	OK	OK	NA	NA	OK	NA	OK	NA	OK	OK	OK	NA	NA
HOLDING TIME	OK	OK			OK		①		OK	OK	OK		
CALIB. VERIFICATION (For AS, internal tracer)	OK	OK			OK		OK		OK	NA	OK		
PREP. BLANKS (Only if digestion)	②	NA			NA	↓	OK	↓	NA	NA	NA		
INT/CONT CAL. BLANKS	②	③	↓	↓	OK	NA	NA	NA	②	NA	OK		
ICP SERIAL DILUTION	③	③	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		
DUPLICATES	OK	OK			OK	↓	OK	↓	OK	OK	OK		
POSTDIGEST. SPKS. (Only if MS fails)	NA	NA			NA	NA	NA	NA	NA	NA	NA		
MATRIX SPKS.	OK	OK			OK		OK		OK	NA	OK		
OVERALL ASSESS.	OK	OK	↓	↓	OK	↓	OK	↓	OK	OK	OK	↓	↓

REVIEWER COMMENTS: ① No holding time established for Rn-222 ② The following set "U" flags for blank contamination problems: Ca 273737 (939), 273838 (1022); Mg 273838 (1022), K 273838 (1022), 274086 (6310), 274087 (8530), 273737 (1101), ~~273838 (1022)~~, 274086 (6310), 274087 (8530); Sr 273838 (1022), 274087 (8530); U 273737 (1101), ~~273747 (648)~~, 273750 (1102); U-234-273750 (equip blk), 273969 (628), 273998 (628), 274079 (1062), 274080 (960), 274084 (732), and 274085 (631); Cl - 273737 (equip mat blk), 273838 (equip blk) ③ J flag the following results because the serial dilution did not meet criteria: K results 273736-273750, 273817-273821, 274079-274104, 273995-274002; and U results 274218 and 274216.

UGW Water Sampling Field Activities Verification Checklist

Project Shigade
 Date(s) of Verification 5/2 → 3/01

Date(s) of Water Sampling 2/5 - 22/01
 Name of Verifier JEFF PRICE

Response Comments
 (Yes, No, N/A)

1. Is the SAP the primary document directing field procedures?
 List other documents, SOP's, instructions.

YES
Work Order

2. Were the sampling locations specified in the planning documents sampled?

YES
Except for dry or insufficient volume for locations:

3. Was field equipment calibrated as specified in the above named documents?
 Were the number and types (alkalinity, temperature, Ec, pH, turbidity, DO, ORP) of field measurements taken as specified?
 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?
 Was the calibration information recorded on the field data sheets?

YES
948, 1011
pH not bracketed properly on locations: 836, 843, 846, 844,
833, 812, 816, 726, 824
Insufficient water volume for some wells.

4. Was depth to water measured before purging?
 Was this information used to calculate purge volume?

YES
YES
Except for location 884.

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
YES

6. If flow-flow purging was used, was the purge rate less than 0.125 gal/min, and was the drawdown less than 0.3 ft?

NA

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

Five were taken, should have taken 6.

9. Were trip blanks prepared and included with each shipment of VOC samples?

NA

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

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

**SHIPROCK, NEW MEXICO
FEBRUARY 2001 SAMPLING
DATA ASSESSMENT SUMMARY**

The DOE-GJO Analytical Laboratory analyzed samples and reported results for this sampling event under requisition number 17302 for the UMTRA ground water project.

RADIOCHEMICAL ANALYSIS

Radon-222 was determined using liquid scintillation counting in accordance with RC-17.

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 (non-detect) in the database, as reflected on the database printouts.

METALS AND MAJOR CATIONS ANALYSIS

The determination of calcium, copper, iron, magnesium, manganese, potassium, sodium, strontium, vanadium, and zinc were performed by inductively coupled plasma-atomic emission spectrometry (ICP-AES). Antimony, cadmium, molybdenum, uranium-234, uranium-238 and total uranium were analyzed by inductively coupled plasma-mass spectrometry (ICP-MS). Arsenic and selenium were determined by hydride generation atomic absorption spectroscopy (NaBH_4).

Because of blank contamination problems, the following samples were qualified with "U" flags: calcium samples 273737 (939), 273838 (1022); magnesium sample 273838 (1022); potassium samples 273838 (1022), 274086 (6310), 274087 (8530), 273737 (1101); sodium samples 273838 (1022), 274086 (6310), 274087 (8530); strontium samples 273838 (1022), 274087 (8530); uranium samples 273737 (1101), 273747 (648), 273750 (1102); and uranium-234 samples 273750 (1102), 273969 (628), 273998 (603), 274079 (1062), 274080 (860), 274084 (732), 274085 (631). The following samples were given "J" flags because they failed the serial dilution criteria: potassium results 273736 (841), 273737 (1101), 273738 (835), 273739 (813), 273740 (812), 273741 (814), 273742 (728), 273743 (815), 273744 (839), 273745 (604), 273746 (818), 273747 (648), 273748 (816), 273749 (727), 273750 (1102), 273817 (947), 273818 (933), 273819 (1210), 273820 (935), 273821 (936), 274079 (1062), 274080 (860), 274081 (1001), 274082 (773), 274083 (7731), 274084 (732), 274085 (631), 274086 (6310), 274087 (8530), 274088 (1002), 274089 (620), 274090 (775), 274091 (619), 274092 (768), 274093 (827), 274094 (820), 274095 (725), 274096 (1058), 274097 (1059), 274098 (730), 274099 (600), 274100 (1001), 274101 (824), 274102 (823), 274103 (1004), 274104 (1003), 273995 (602), 273996 (826), 273997 (828), 273998 (603), 273999 (830), 274000 (1007), 274001 (1057), 274002 (726); and uranium samples 274215 (862) and 274216 (DM-7).

INORGANIC ANALYSIS

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

(colorimetry). Because of blank contamination problems, the following samples were qualified with "U" flags: chloride samples 273737 (1101) and 273838 (1022).

FIELD ANALYSIS/ACTIVITIES

There were no wells with a measured pH greater than 9: therefore, "G" flags indicating potential grout contamination were not required. Five equipment blanks were collected and analyzed for the same constituents as the Shiprock environmental samples. There were no UMTRA related contaminants detected in the equipment blanks in concentrations above the CRDL or the MDA/3-sigma; therefore, equipment blank results are considered acceptable. Six field duplicates were collected during the sampling event. Although there is no established regulatory criteria for the evaluation of field duplicates, the EPA guidance for *laboratory* duplicates was used. With the exception of one manganese result, duplicate sample results met these criteria and should be considered acceptable. The following wells were purged dry prior to removing three casing volumes and therefore should be given "L" flags: 600, 604, 610, 727, 730, 734, 775, 812, 819, 820, 823, 824, 826, 839, 854, and 862.

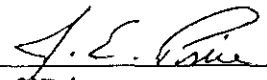
SAR

Because of technical constraints, a SAR could not be generated. Instead, 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 (excluding results with less than 5 historical data points) are listed on the Anomalous Data Review Checksheets.

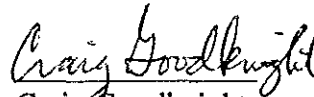
SUMMARY

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.


Jeff Price
Data Validation Lead

June 14, 01
Date


Craig Goodknight
Project Lead

6/14/01
Date

**MIN / MAX
TABLE**

Shiprock Floodplain UGW February 2001 Data Validation Minimums and Maximums

SITE	LOCATION_CODE	SDATE	ANALYTE	RESULT	LAB_Q	DATA	MAXIMUM	MAX_L	MAX_D	MINIMUM	MIN_L	MIN_D	N	N_BELOW_DE	
SHP01	0608	02/13/01	Chloride	308			525	H	J	317				23	0
SHP01	0610	02/13/01	Magnesium	1910	L		1820		L	1100				16	0
SHP01	0610	02/13/01	Nitrate	3340	L		3240		L	410				16	0
SHP01	0610	02/13/01	Sodium	2290	L		2180		L	870				16	0
SHP01	0610	02/13/01	Strontium	11.6	L		10.9		L	7.9				16	0
SHP01	0610	02/13/01	Uranium	2.05	L		2			.92				17	0
SHP01	0614	02/13/01	Turbidity	1.31			18			1.67				8	0
SHP01	0615	02/14/01	Selenium H	1.81			1.1			.07	F			18	0
SHP01	0615	02/14/01	Sodium	4090			3810			1650				18	0
SHP01	0615	02/14/01	Specific Conductance	22200			18550			5610				14	0
SHP01	0615	02/14/01	Total Dissolved Solids	28900			28600	H	F	14480				20	0
SHP01	0615	02/14/01	Turbidity H	1000	>		487			5				7	0
SHP01	0616	02/13/01	Turbidity	8.3			7.89			1.78				7	0
SHP01	0619	02/14/01	Ammonium	4.66			273			7	N			18	0
SHP01	0619	02/14/01	Magnesium	822			2210			930				21	0
SHP01	0619	02/14/01	Total Dissolved Solids	14800			26300	H	J	15200				23	0
SHP01	0619	02/14/01	Uranium	.847			3.14			.9				21	0
SHP01	0620	02/14/01	Ammonium L	.0075	B		18			.0178	B			22	1
SHP01	0620	02/14/01	Magnesium	851			1980		F	860				24	0
SHP01	0620	02/14/01	Sodium	1750			3720			1880				26	0
SHP01	0620	02/14/01	Turbidity	2.78			16			3.47				10	0
SHP01	0624	02/14/01	Turbidity	6.15			201			8.3				8	0
SHP01	0626	02/12/01	Ammonium L	.0066	B		5.8			.0187	B			20	6
SHP01	0626	02/12/01	Nitrate	.357	B		190	H	J	.628				23	3
SHP01	0626	02/12/01	Uranium	.0788			1.22			.0816				24	0
SHP01	0628	02/12/01	Strontium	13.6			13.3			4.1	N			15	0
SHP01	0658	02/08/01	Strontium	10.5			14.1			11.1				13	0
SHP01	0735	02/13/01	Calcium	95.8			509			164				11	0
SHP01	0735	02/13/01	Chloride	99.8			419			160				9	0
SHP01	0735	02/13/01	Magnesium	189			945			335				7	0
SHP01	0735	02/13/01	Manganese L	.826			5.08			1.81				13	0
SHP01	0735	02/13/01	Nitrate	465			2400			886				11	0
SHP01	0735	02/13/01	Potassium	15.5			34.2			16.3				7	0
SHP01	0735	02/13/01	Sodium	757			2250			926				11	0
SHP01	0735	02/13/01	Strontium	2.02			9.98			3.38				11	0
SHP01	0735	02/13/01	Sulfate	1770			7610			2970	I			11	0
SHP01	0735	02/13/01	Total Dissolved Solids	3720			14200			5840				11	0
SHP01	0735	02/13/01	Uranium	.0564			1.25			.071				14	0
SHP01	0736	02/13/01	Chloride	157			663			227				10	0
SHP01	0736	02/13/01	Magnesium	390			1670			583				9	0
SHP01	0736	02/13/01	Sodium	1900			4800			2560				11	0
SHP01	0736	02/13/01	Sulfate	6090			20800			6310				11	0
SHP01	0850	02/06/01	Manganese	1.16			2.74		L	1.56				5	0
SHP01	0850	02/06/01	Potassium	3.86			7.12		L	4.51				5	0
SHP01	0850	02/06/01	Turbidity	7.03			1000	>	L	7.86				6	0
SHP01	0853	02/14/01	Ammonium	34.8			34			.385				4	0
SHP01	0853	02/14/01	Calcium	302			466			354				4	0
SHP01	0853	02/14/01	Chloride	29.3			49.4			42.7				4	0
SHP01	0853	02/14/01	Magnesium	114			170			129				4	0
SHP01	0853	02/14/01	Manganese	1.6			2.49			1.86				4	0
SHP01	0853	02/14/01	Nitrate	2.17			.101	B		.0232	B	U		4	2
SHP01	0853	02/14/01	Potassium	19.2			32.1			20.1				4	0
SHP01	0853	02/14/01	Sodium	193			250			218				4	0
SHP01	0853	02/14/01	Specific Conductance	2660			3500			2960				4	0
SHP01	0853	02/14/01	Strontium	3.06						3.52				4	0

Shiprock Floodplain UGW February 2001 Data Validation Minimums and Maximums

SITE	LOCATION_CODE	SDATE	ANALYTE	RESULT	LAB_Q	DATA	MAXIMUM	MAX_L	MAX_D	MINIMUM	MIN_L	MIN_D	N	N_BELOW_DE
SHP01	0853	02/14/01	Sulfate	1500			1980			1600			4	0
SHP01	0853	02/14/01	Total Dissolved Solids	2440			3250			2690 *		J	4	0
SHP01	0853	02/14/01	Turbidity	13.1			1000 >			167			4	0
SHP01	0853	02/14/01	Uranium	.142			.224			.166			4	0
SHP01	0854	02/13/01	Magnesium	3070		L	3570		L	3150			4	0
SHP01	0854	02/13/01	Strontium	15.3		L	17.1		L	15.4			4	0
SHP01	0855	02/13/01	Ammonium	.0047 U			.0309 B			.0134 B			4	1
SHP01	0855	02/13/01	Ammonium	.0047 U			.0309 B			.0134 B			4	1
SHP01	0855	02/13/01	Calcium	432			365			292			4	0
SHP01	0855	02/13/01	Calcium	427			365			292			4	0
SHP01	0855	02/13/01	Chloride	.76.1			119			97.4			4	0
SHP01	0855	02/13/01	Chloride	75.9			119			97.4			4	0
SHP01	0855	02/13/01	Magnesium	174			134			112			4	0
SHP01	0855	02/13/01	Magnesium	172			134			112			4	0
SHP01	0855	02/13/01	Manganese	2.16			2.62			2.18			5	0
SHP01	0855	02/13/01	Selenium	.0761			.122			.0784			5	0
SHP01	0855	02/13/01	Selenium	.0752			.122			.0784			5	0
SHP01	0855	02/13/01	Sodium	1010			1380			1130			4	0
SHP01	0855	02/13/01	Sodium	1000			1380			1130			4	0
SHP01	0855	02/13/01	Strontium	10.5			10.1			8.83			4	0
SHP01	0855	02/13/01	Strontium	10.4			10.1			8.83			4	0
SHP01	0855	02/13/01	Uranium	.063			.178			.11			5	0
SHP01	0855	02/13/01	Uranium	.0636			.178			.11			5	0
SHP01	0857	02/13/01	Nitrate +	.655 B			.326 B			.0247 B		U	5	1
SHP01	0857	02/13/01	Sodium	373			586			377			4	0
SHP01	0857	02/13/01	Turbidity	1.45			246			1.5			5	0
SHP01	0860	02/15/01	Specific Conductance	15700			11540		L	2410			4	0
SHP01	0860	02/15/01	Sulfate	1990			1600		L	315			4	0
SHP01	0862	02/22/01	Specific Conductance	14980		L	12920		L	2760			5	0
SHP01	0862	02/22/01	Turbidity	265		L	1000 >		L	1000 >		L	4	0
SHP01	0887	02/05/01	Nitrate	351			322			.57 B			7	0
SHP01	0887	02/05/01	Potassium	10.5			10.3 E		J	1.36 E		J	6	0
SHP01	0887	02/05/01	Selenium	.239			.215			.001 U			6	1
SHP01	0888	02/06/01	Ammonium	.0047 U			.0444 B			.0059 B			7	0
SHP01	0888	02/06/01	Chloride	46.3			43			3.04			7	0
SHP01	0888	02/06/01	Magnesium	50.3			42.4			5.14			7	0
SHP01	0888	02/06/01	Manganese L	.0025 B			.326			.0051 B			7	0
SHP01	0888	02/06/01	Sodium	141			134			11.4			7	0
SHP01	0888	02/06/01	Strontium	1.68			1.56			.275			7	0
SHP01	0888	02/06/01	Sulfate	573			561			40.5			7	0
SHP01	0939	02/06/01	Chloride	72.6			64.4			3.08			6	0
SHP01	0939	02/06/01	Magnesium	202			198			5.06			6	0
SHP01	0939	02/06/01	Manganese	1.75			1.26			.0068 B			6	0
SHP01	0939	02/06/01	Sodium	295			277			11.4			6	0
SHP01	0940	02/08/01	Specific Conductance	868			774			280			5	0
SHP01	0956	02/13/01	Calcium	67.3			67.2			50.8			5	0
SHP01	0956	02/13/01	Chloride	16.4			15.9			11			5	0
SHP01	0956	02/13/01	Magnesium	13.1			12.1			8.64			5	0
SHP01	0956	02/13/01	Nitrate	1.73			1.53			.103 B			5	0
SHP01	0956	02/13/01	Sodium	49.2			41.7			25.7			5	0
SHP01	0956	02/13/01	Strontium	.985			.825			.583			5	0
SHP01	0956	02/13/01	Sulfate	176			160			102			5	0
SHP01	0956	02/13/01	Total Dissolved Solids	430			408			297			5	0
SHP01	0957	02/06/01	Magnesium	14			12.6			9.91			5	0
SHP01	0957	02/06/01	Sulfate	175			167			119			5	0

Shiprock Floodplain UGW February 2001 Data Validation Minimums and Maximums

SITE_	LOCATION_CODE	SDATE	ANALYTE	RESULT	LAB_Q	DATA_	MAXIMUM	MAX_L	MAX_D	MINIMUM	MIN_L	MIN_D	N	N_BELOW_DE
SHP01	0957	02/06/01	Total Dissolved Solids	437			415			330		J	5	0
SHP01	0957	02/06/01	Uranium	.0022			.0021			.0016			5	0
SHP01	1205	02/12/01	Chloride	17.7			16.6			14.3			4	0
SHP01	1205	02/12/01	Magnesium	13.9			12.3			11			4	0
SHP01	1205	02/12/01	Nitrate	1.94			1.44			.04		B	6	0
SHP01	1205	02/12/01	Selenium	.00093	B		.00078	B		.00011		U	6	1
SHP01	1205	02/12/01	Sodium	47.8			42.6			37.4			4	0
SHP01	1205	02/12/01	Strontium	.885			.844			.784			4	0
SHP01	1205	02/12/01	Sulfate	181			165			138			6	0
SHP01	1210	02/07/01	Sulfate	196			191			160			5	0

120 rows selected.

Shiprock Terrace UGW February 2001 Data Validation Minimums and Maximums

SITE_	LOCATION_CODE	SDATE	ANALYTE	RESULT	LAB_Q	DATA_	MAXIMUM	MAX_L	MAX_D	MINIMUM	MIN_L	MIN_D	N	N_BELOW_DE
SHP02	0425	02/13/01	Selenium	.0302			.2			.0342			14	0
SHP02	0425	02/13/01	Selenium	.0308			.2			.0342			14	0
SHP02	0425	02/13/01	Strontium	8.28			8.08			5.87			14	0
SHP02	0425	02/13/01	Strontium	8.24			8.08			5.87			14	0
SHP02	0426	02/13/01	Ammonium	.0047 U			1.8 H	J		.0054 B			10	2
SHP02	0426	02/13/01	Chloride	107			369			125			13	0
SHP02	0426	02/13/01	Nitrate	115			420	J		129			12	0
SHP02	0426	02/13/01	Sodium	1100			2000			1180			13	0
SHP02	0426	02/13/01	Uranium	.246			.773			.287			13	0
SHP02	0603	02/13/01	Chloride	212			731			321			8	0
SHP02	0603	02/13/01	Magnesium	668			2690			851			8	0
SHP02	0603	02/13/01	Manganese	23.8			68.8			28.6			8	0
SHP02	0603	02/13/01	Potassium	186 E	J		353			196			8	0
SHP02	0603	02/13/01	Sodium	816			2070			1090			8	0
SHP02	0603	02/13/01	Strontium	2.39			4.09			2.73			8	0
SHP02	0603	02/13/01	Sulfate	6780			15900			7590			10	0
SHP02	0603	02/13/01	Total Dissolved Solids	10200			32700			12600			8	0
SHP02	0603	02/13/01	Turbidity L	.32			6.46			.8			8	0
SHP02	0604	02/08/01	Manganese	.82	L		.547	L		.0079 B	L		6	0
SHP02	0604	02/08/01	Potassium	49.6 E	JL		47.4 E	JL		27.9	L		5	0
SHP02	0604	02/08/01	Sodium	5430	L		5410	L		3680	L		5	0
SHP02	0604	02/08/01	Specific Conductance	25200	L		24700	L		1866	L		10	0
SHP02	0604	02/08/01	Strontium	20.3	L		19.1	L		13.1	L		5	0
SHP02	0604	02/08/01	Sulfate	9520	L		9240	L		1.59	L		10	0
SHP02	0604	02/08/01	Total Dissolved Solids	25900	L		25800	L		15	JL		6	0
SHP02	0648	02/08/01	Ammonium	.653			.601			.4			6	0
SHP02	0648	02/08/01	Magnesium	13.9			13.6			13.4			5	0
SHP02	0725	02/14/01	Ammonium	.0047 U			.3			.0071 B			14	3
SHP02	0725	02/14/01	Calcium	396			392			294			13	0
SHP02	0725	02/14/01	Chloride	65.5			218			81.7			12	0
SHP02	0725	02/14/01	Magnesium	94.4			240			114			11	0
SHP02	0725	02/14/01	Nitrate	9.83			199			15			15	0
SHP02	0725	02/14/01	Sodium	900			1210			982			13	0
SHP02	0725	02/14/01	Uranium	.0276			.503			.0473			17	0
SHP02	0726	02/13/01	Chloride	68.7			343			96.6			10	0
SHP02	0726	02/13/01	Magnesium	224			504			335			9	0
SHP02	0726	02/13/01	Manganese	.0418			.61	F		.0419			13	0
SHP02	0726	02/13/01	Nitrate	13.3			433			26			14	0
SHP02	0726	02/13/01	Sodium	1020			2850			1260			11	0
SHP02	0726	02/13/01	Specific Conductance	6250			14550			7140			13	0
SHP02	0726	02/13/01	Total Dissolved Solids	5840			13300			7260			12	0
SHP02	0727	02/09/01	Ammonium	53.7	L		46.5	L		.6	F		13	0
SHP02	0727	02/09/01	Chloride	375	L		523			393	L		11	0
SHP02	0727	02/09/01	Selenium L	.0001 U	L		.05 UI	F		.00056 B			14	9
SHP02	0727	02/09/01	Total Dissolved Solids	19900	L		24800	F		20600			12	0
SHP02	0728	02/07/01	Ammonium	25.2			308			46.6	J		15	0
SHP02	0728	02/07/01	Chloride	36.8			374			43.4			14	0
SHP02	0728	02/07/01	Nitrate	197			4170			281			17	0
SHP02	0728	02/07/01	Potassium	41 E	J		142			41.1 E	J		11	0
SHP02	0728	02/07/01	Selenium	.0093			.084 +			.0165			17	0
SHP02	0728	02/07/01	Total Dissolved Solids	4290			21100			4700			15	0
SHP02	0730	02/14/01	Manganese	22.6	L		22.5	L		20.8	L		6	0
SHP02	0730	02/14/01	Nitrate	680	L		616	L		385			9	0
SHP02	0730	02/14/01	Potassium	28.9 E	JL		27.6	L		24.2	L		5	0
SHP02	0730	02/14/01	Selenium	.0145	L		.0175	L		.0156	L		6	0
SHP02	0730	02/14/01	Sodium	131	L		126	L		95.4	L		5	0

Shiprock Terrace UGW February 2001 Data Validation Minimums and Maximums

SITE	LOCATION_CODE	SDATE	ANALYTE	RESULT	LAB_Q	DATA	MAXIMUM	MAX_L	MAX_D	MINIMUM	MIN_L	MIN_D	N	N_BELOW_DE
SHP02	0730	02/14/01	Specific Conductance	4796	L		4770	L		2650			10	0
SHP02	0730	02/14/01	Turbidity	1000 >	L		135	L		.44	L		6	0
SHP02	0730	02/14/01	Uranium	.0017	L		.0045			.0021	L		9	0
SHP02	0786	02/07/01	Chloride	163			184			164			4	0
SHP02	0786	02/07/01	Manganese	.001 B			.0043 B	U		.0015 B			4	2
SHP02	0786	02/07/01	Selenium	.152			.179			.156			4	0
SHP02	0786	02/07/01	Sulfate	3610			4190			3740			5	0
SHP02	0786	02/07/01	Total Dissolved Solids	6660			7170			6830			4	0
SHP02	0812	02/07/01	Ammonium	.021 B	L		.89			.0234 B	L		6	0
SHP02	0812	02/07/01	Strontium	14.4	L		14.1	L		14	L		4	0
SHP02	0812	02/07/01	Total Dissolved Solids	34200	L		35700	L		34400	JL		5	0
SHP02	0813	02/07/01	Calcium	506			604			586			5	0
SHP02	0813	02/07/01	Magnesium	2630			3100			2840			5	0
SHP02	0813	02/07/01	Strontium	16.2			18.3			17.3			5	0
SHP02	0813	02/07/01	Total Dissolved Solids	26900			29600			27900			5	0
SHP02	0814	02/07/01	Calcium	476			467	L		443	L		4	0
SHP02	0814	02/07/01	Manganese	1.52			1.46	L		1.25	L		5	0
SHP02	0814	02/07/01	Selenium	2.35			3.3	L		2.62	L		5	0
SHP02	0814	02/07/01	Sodium	3450			3370	L		3210	L		4	0
SHP02	0814	02/07/01	Strontium	13.8			13.6	L		12.8	L		4	0
SHP02	0814	02/07/01	Total Dissolved Solids	27200			27100	L		25900	L		5	0
SHP02	0815	02/08/01	Manganese	1.46			1.42			1.32			5	0
SHP02	0815	02/08/01	Nitrate	3010			3000	L		1991			7	0
SHP02	0815	02/08/01	Specific Conductance	21700			20300			1705			8	0
SHP02	0815	02/08/01	Strontium	13.2			13			6.65			4	0
SHP02	0815	02/08/01	Total Dissolved Solids	25700			29300			26700			5	0
SHP02	0816	02/09/01	Calcium	256			546			420			4	0
SHP02	0816	02/09/01	Chloride	119			240			148			4	0
SHP02	0816	02/09/01	Magnesium	330			702			539			4	0
SHP02	0816	02/09/01	Potassium	15 E	J		17.8			15.3			4	0
SHP02	0816	02/09/01	Selenium	.0745			.242			.0767			5	0
SHP02	0816	02/09/01	Strontium	4.29			8.58			6.84			4	0
SHP02	0816	02/09/01	Total Dissolved Solids	6140			8900			6180			5	0
SHP02	0819	02/12/01	Selenium	.003 B	L		.0132	L		.0041 B	L		6	0
SHP02	0819	02/12/01	Specific Conductance	17490	L		19480	L		17604	L		5	0
SHP02	0819	02/12/01	Uranium	.949	L		2.15	L		1.15	L		7	0
SHP02	0820	02/15/01	Ammonium L	.234	L		11.9	L		2.62	L		5	0
SHP02	0820	02/15/01	Chloride	5470	L		4450	L		1620	L		4	0
SHP02	0820	02/15/01	Total Dissolved Solids	17700	L		15800	L		4100	L		4	0
SHP02	0820	02/15/01	Uranium	.0977	L		.51			.19	L		4	0
SHP02	0823	02/15/01	Specific Conductance	17030	L		14650	L		6770			4	0
SHP02	0824	02/15/01	Chloride	6510	L		6270	L		3230	L		4	0
SHP02	0824	02/15/01	Manganese	.939	L		.816	L		.106	L		5	0
SHP02	0824	02/15/01	Nitrate	76	L		4400			91.3	L		9	0
SHP02	0824	02/15/01	Potassium	97.4 E	JL		635	L		198	L		4	0
SHP02	0824	02/15/01	Selenium	.0018 B	L		.0162	L		.0036 B	L		5	0
SHP02	0824	02/15/01	Sodium	6980	L		6380	L		2500	L		4	0
SHP02	0826	02/13/01	Calcium	448	L		438			416	L		5	0
SHP02	0826	02/13/01	Manganese	2.86	L		2.77			2.61	L		5	0
SHP02	0826	02/13/01	Potassium	143 E	JL		122	L		102			5	0
SHP02	0826	02/13/01	Selenium	.0096	L		.0852			.0281	L		5	0
SHP02	0826	02/13/01	Specific Conductance	17860	L		17510			15170	L		5	0
SHP02	0826	02/13/01	Total Dissolved Solids	26200	L		23100			21100	L		5	0
SHP02	0826	02/13/01	Uranium	3.43	L		3.4			2.38			6	0
SHP02	0827	02/15/01	Calcium	454			510			465	L		4	0
SHP02	0827	02/15/01	Magnesium	848			552			495	L		4	0

Shiprock Terrace UGW February 2001 Data Validation Minimums and Maximums

SITE	LOCATION_CODE	SDATE	ANALYTE	RESULT	LAB_Q	DATA	MAXIMUM	MAX_L	MAX_D	MINIMUM	MIN_L	MIN_D	N	N_BELOW_DE
SHP02	0827	02/15/01	Manganese	L			.395	1.63		1.08			6	0
SHP02	0827	02/15/01	Nitrate				262	633	L	415	L		8	0
SHP02	0827	02/15/01	Potassium		J		37.2 E	21.6	L	21.1	L		4	0
SHP02	0827	02/15/01	Sodium				1640	1330	L	1200	L		4	0
SHP02	0827	02/15/01	Specific Conductance				9830	9250	L	8060	L		8	0
SHP02	0827	02/15/01	Strontium				8.89	8.47	L	7.75	L		4	0
SHP02	0828	02/13/01	Chloride				163	155		79.5			4	0
SHP02	0828	02/13/01	Magnesium				495	357		214			4	0
SHP02	0828	02/13/01	Potassium		J		25.1 E	19.2		13.3			4	0
SHP02	0828	02/13/01	Sodium				693	634		431			4	0
SHP02	0828	02/13/01	Specific Conductance				5460	4210		3560			5	0
SHP02	0828	02/13/01	Strontium				5.69	5.32		4.04			4	0
SHP02	0828	02/13/01	Turbidity				1.17	23.7		1.51			5	0
SHP02	0830	02/13/01	Ammonium				36.1	24.3	J	13.4	L		6	0
SHP02	0830	02/13/01	Calcium				515	550	L	516			4	0
SHP02	0830	02/13/01	Chloride				53.2	52.3		43	L		4	0
SHP02	0830	02/13/01	Magnesium				53.3	42.6		33.8	L		4	0
SHP02	0830	02/13/01	Manganese				3.69	2.65	L	1.55	L		5	0
SHP02	0830	02/13/01	Nitrate	H			308	102	L	72.6			7	0
SHP02	0830	02/13/01	Potassium		J		3.93 E	3.64		2.47	L		4	0
SHP02	0830	02/13/01	Selenium				.0259	.0257		.0216	L		5	0
SHP02	0830	02/13/01	Sodium				166	157		128	L		4	0
SHP02	0830	02/13/01	Specific Conductance				3180	3000		2670	L		7	0
SHP02	0830	02/13/01	Uranium				.0021	.0094	L	.0036	L		6	0
SHP02	0832	02/07/01	Calcium				490	444		360			4	0
SHP02	0832	02/07/01	Turbidity				7.18	1000 >	L	10			5	0
SHP02	0833	02/07/01	Ammonium	L			.0047 U	1.1		.0144 B			6	0
SHP02	0833	02/07/01	Potassium				18.3	16.7		12.4 E	J		4	0
SHP02	0835	02/07/01	Calcium				577	419		360			5	0
SHP02	0835	02/07/01	Chloride		U		68.2	24.5		13.4			5	0
SHP02	0835	02/07/01	Magnesium				155	100		92.9			5	0
SHP02	0835	02/07/01	Nitrate	H			224	61.1		23.2			7	0
SHP02	0835	02/07/01	Potassium		J		6.43 E	5.01		4.29 E	J		5	0
SHP02	0835	02/07/01	Selenium	H			.137	.0679		.037			6	0
SHP02	0835	02/07/01	Sodium	H			241	124		114			5	0
SHP02	0835	02/07/01	Strontium				5.36	3.66		3.13			5	0
SHP02	0835	02/07/01	Sulfate				2010	1440		882			7	0
SHP02	0835	02/07/01	Total Dissolved Solids	H			3740	2540		2200			6	0
SHP02	0835	02/07/01	Turbidity				2.56	12.8		3.72			5	0
SHP02	0836	02/05/01	Calcium				511	574		532			5	0
SHP02	0836	02/05/01	Manganese				1.77	1.72		1.24			6	0
SHP02	0836	02/05/01	Potassium				4.59	5.79 E	J	4.64			5	0
SHP02	0836	02/05/01	Selenium				.185	.142		.0976			6	0
SHP02	0836	02/05/01	Sodium				368	488		412			5	0
SHP02	0836	02/05/01	Sulfate				2590	3265		2780			7	0
SHP02	0836	02/05/01	Total Dissolved Solids				5970	5230		4860			6	0
SHP02	0836	02/05/01	Turbidity				7.19	1.18		13.6			6	0
SHP02	0837	02/05/01	Calcium				356	493 E		436			6	0
SHP02	0837	02/05/01	Chloride				16.5	21.2		17.2			6	0
SHP02	0837	02/05/01	Magnesium				126	181		171			6	0
SHP02	0837	02/05/01	Potassium				5.03	6.85		6.07			6	0
SHP02	0837	02/05/01	Sodium				143	183		162			6	0
SHP02	0837	02/05/01	Strontium				3.69	5.19		4.69			6	0
SHP02	0837	02/05/01	Sulfate				1190	1950		1235			8	0
SHP02	0837	02/05/01	Total Dissolved Solids				2270	4100		3000			7	0
SHP02	0837	02/05/01	Uranium				.03	.0446		.0353			8	0

Shiprock Terrace UGW February 2001 Data Validation Minimums and Maximums

SITE	LOCATION_CODE	SDATE	ANALYTE	RESULT	LAB_Q	DATA_MAXIMUM	MAX_L	MAX_D	MINIMUM	MIN_L	MIN_D	N	N_BELOW_DE
SHP02	0838	02/06/01	Chloride	21.4		15.5			12.8			4	0
SHP02	0838	02/06/01	Nitrate	11.2		15.7			11.6			7	0
SHP02	0838	02/06/01	Sodium	176		174			91.9			4	0
SHP02	0838	02/06/01	Specific Conductance	3090		3020			2070			7	0
SHP02	0839	02/08/01	Specific Conductance	16580	L	15990		L	13860			8	0
SHP02	0841	02/07/01	Chloride	822		686			557			4	0
SHP02	0841	02/07/01	Potassium	55.5 E	J	50.9			40			4	0
SHP02	0841	02/07/01	Sodium	5860		5710			5180			4	0
SHP02	0841	02/07/01	Specific Conductance	23200		21800			16510			8	0
SHP02	0841	02/07/01	Strontium	9.1		9			7.86			4	0
SHP02	0841	02/07/01	Total Dissolved Solids	26500		25700			22100			5	0
SHP02	0841	02/07/01	Turbidity	7.44		337			8.64			5	0
SHP02	0843	02/05/01	Ammonium L	.0047 U		1.1			.0134 B			7	0
SHP02	0843	02/05/01	Calcium	570		557			440			5	0
SHP02	0843	02/05/01	Chloride	29		25.9			24.7			5	0
SHP02	0843	02/05/01	Magnesium	215		197			161			5	0
SHP02	0843	02/05/01	Sodium	275		207			174			5	0
SHP02	0843	02/05/01	Specific Conductance	4080		3720			377			7	0
SHP02	0843	02/05/01	Strontium	7.32		6.39			5.1			5	0
SHP02	0843	02/05/01	Sulfate	2460		2260			1588			7	0
SHP02	0843	02/05/01	Total Dissolved Solids	4120		3870			3020			6	0
SHP02	0843	02/05/01	Uranium	.0324		.0314			.026			7	0
SHP02	0844	02/06/01	Chloride H	117		71.7			54.5			6	0
SHP02	0844	02/06/01	Magnesium	480		379			355			6	0
SHP02	0844	02/06/01	Manganese	.0702		.0549			.0307			7	0
SHP02	0844	02/06/01	Potassium	14.3		11.2			9.7			6	0
SHP02	0844	02/06/01	Sodium H	767		470			397			6	0
SHP02	0844	02/06/01	Strontium	7.79		6.76			6.23			6	0
SHP02	0846	02/06/01	Calcium	495		611			553			4	0
SHP02	0846	02/06/01	Chloride	103		135			109			4	0
SHP02	0846	02/06/01	Sodium	660		604			459			4	0
SHP02	0846	02/06/01	Strontium	5.71		6.48			6.02			4	0
SHP02	0847	02/06/01	Chloride	17.5		15			11.3			6	0
SHP02	0847	02/06/01	Chloride	17.2		15			11.3			6	0
SHP02	0847	02/06/01	Magnesium	106		101			71.8			6	0
SHP02	0847	02/06/01	Magnesium	106		101			71.8			6	0
SHP02	0847	02/06/01	Nitrate	21.8		17.5			5.72			8	0
SHP02	0847	02/06/01	Nitrate	21.8		17.5			5.72			8	0
SHP02	0847	02/06/01	Potassium	4.67		4.6			3.73			6	0
SHP02	0847	02/06/01	Potassium	4.68		4.6			3.73			6	0
SHP02	0847	02/06/01	Selenium	.0542		.0409			.0295			7	0
SHP02	0847	02/06/01	Selenium	.052		.0409			.0295			7	0
SHP02	0847	02/06/01	Strontium	4.81		4.6			3.66			6	0
SHP02	0847	02/06/01	Strontium	4.77		4.6			3.66			6	0
SHP02	0847	02/06/01	Total Dissolved Solids	2940		2870			2390			7	0
SHP02	0847	02/06/01	Total Dissolved Solids	2890		2870			2390			7	0
SHP02	0847	02/06/01	Turbidity	.56		1.83			.63			5	0
SHP02	0847	02/06/01	Uranium	.0289		.0275			.015			8	0
SHP02	0847	02/06/01	Uranium	.0285		.0275			.015			8	0
SHP02	0848	02/06/01	Manganese	.33		.847			.37			5	0
SHP02	0848	02/06/01	Potassium	19.8		18.6 E		J	16			4	0
SHP02	0848	02/06/01	Selenium	1.99		1.65			.338			5	0
SHP02	0848	02/06/01	Specific Conductance	11280		10970			6050			6	0
SHP02	0848	02/06/01	Turbidity	.81		3.88			1.29			5	0
SHP02	0848	02/06/01	Uranium	.0623		.0551			.005			6	0
SHP02	0884	02/05/01	Calcium	489		544			492 E	J		7	0

Shiprock Terrace UGW February 2001 Data Validation Minimums and Maximums

SITE	LOCATION_CODE	SDATE	ANALYTE	RESULT	LAB_Q	DATA	MAXIMUM	MAX_L	MAX_D	MINIMUM	MIN_L	MIN_D	N	N_BELOW_DE
SHP02	0884	02/05/01	Manganese	.0011	B		.0076	B		.0017	B		7	2
SHP02	0884	02/05/01	Strontium	5.55			5.51			5.18			7	0
SHP02	0885	02/08/01	Strontium	8.07			11.7			8.13			5	0
SHP02	0889	02/09/01	Magnesium	1170			2610			1300			7	0
SHP02	0889	02/09/01	Manganese	.123			.116			.005	B		7	0
SHP02	0889	02/09/01	Nitrate	3430			6750			3520			9	0
SHP02	0889	02/09/01	Sodium	8500			16900			9140			7	0
SHP02	0889	02/09/01	Sulfate	19600			42400			20100			9	0
SHP02	0889	02/09/01	Uranium	.166			.278			.171			9	0
SHP02	0933	02/07/01	Chloride L	31.8			255			165			5	0
SHP02	0934	02/08/01	Ammonium L	.0047	U		.397			.0173	B		5	0
SHP02	0934	02/08/01	Calcium	505			482			404			5	0
SHP02	0934	02/08/01	Chloride	64.8			54.2			27.6			5	0
SHP02	0934	02/08/01	Magnesium	161			146			117			5	0
SHP02	0934	02/08/01	Manganese L	.0012	B		.0256			.0028	B		5	0
SHP02	0934	02/08/01	Nitrate	195			161			28.6			6	0
SHP02	0934	02/08/01	Selenium	.148			.133			.067			5	0
SHP02	0934	02/08/01	Sodium	236			215			151			5	0
SHP02	0934	02/08/01	Specific Conductance	3630			3150			353			6	0
SHP02	0934	02/08/01	Strontium	4.74			4.4			3.41			5	0
SHP02	0934	02/08/01	Sulfate	1910			1730			1320			6	0
SHP02	0934	02/08/01	Total Dissolved Solids	3530			3300			2570			5	0
SHP02	0934	02/08/01	Uranium	.0361			.035			.0303			6	0
SHP02	0935	02/07/01	Ammonium L	.0047	U		.847	N	J	.0126	B		5	0
SHP02	0935	02/07/01	Selenium	.225			.428			.23			5	0
SHP02	0935	02/07/01	Specific Conductance	7180			7140			5580			6	0
SHP02	0936	02/07/01	Ammonium	.0618	B		.0459	B		.0119	B		5	0
SHP02	0936	02/07/01	Chloride	181			147			55.6			5	0
SHP02	0936	02/07/01	Magnesium	314			298			237			5	0
SHP02	0936	02/07/01	Nitrate	576			487			90.2			6	0
SHP02	0936	02/07/01	Potassium	11.1	E	J	10.4			9.38			5	0
SHP02	0936	02/07/01	Sodium	418			390			300			5	0
SHP02	0936	02/07/01	Strontium	7.39			7.14			5.7			5	0
SHP02	0936	02/07/01	Total Dissolved Solids	5140			5040			4140			5	0
SHP02	0942	02/05/01	Ammonium L	.006	B		1	U		.0117	BN	J	6	1
SHP02	0942	02/05/01	Magnesium	207			186			170			5	0
SHP02	0942	02/05/01	Selenium	.367			.364			.156			5	0
SHP02	0942	02/05/01	Sodium	286			272			188			5	0
SHP02	0942	02/05/01	Specific Conductance	3940			3920			1890	S		6	0
SHP02	0942	02/05/01	Strontium	5.78			5.76			4.92			5	0
SHP02	0942	02/05/01	Total Dissolved Solids	3900			3890			3540	*	J	5	0

265 rows selected.

DATA REVIEW CHECKSHEET

1/2

ANOMALOUS DATA REVIEW CHECKSHEET

SITE: Shiprock SAMPLING DATA: February, 2001

REVIEWER(s): JEFF PRICE J.E. Price May 21, 01
NAME (print) SIGNATURE DATE

SITE HYDROLOGIST: Mark Kowalsky Mark Kowalsky 6-21-01
NAME (print) SIGNATURE DATE

DATE OF REVIEW: May 21, 01

LOC. NO.	ANALYTE	TYPE OF ANOMALY	DISPOSITION
615	Se	High	Compare to next round
615	Turbidity	High	
620	NH4	Low	
626	NH4	Low	
735	Mn	Low	
857	NO3	High	
888	Mn	Low	
603	Turbidity	Low	
727	Se	Low	
820	NH4	Low	
827	Mn	Low	
830	NO3	High	
833	NH4	Low	
835	NO3	High	
835	Se	High	
835	Na	High	
835	TDS	High	
843	NH4	Low	
844	Cl	High	
844	Na	High	
933	Cl	Low	

ANOMALOUS DATA REVIEW CHECKSHEET

SITE: Shiprock SAMPLING DATA: February, 2001

REVIEWER(s): JEFF PRICE J. E. Price May 21, 01
NAME (print) SIGNATURE DATE

SITE HYDROLOGIST: MARK KALITSKY Mark Kalitsky 6-21-01
NAME (print) SIGNATURE DATE

DATE OF REVIEW: 5/21/01

LOC. NO.	ANALYTE	TYPE OF ANOMALY	DISPOSITION
934	NH4	Low	Compare to next round
934	Mn	Low	↓
935	NH4	Low	
942	NH4	Low	

* - None of these anomalies were present last sampling event.

WATER QUALITY DATA

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0608	02/13/2001	0001	KM		1075	#	-	-
	mg/L	0608	02/13/2001	N001	KM		1068	#	-	-
	mg/L	0610	02/13/2001	0001	AL		568	L #	-	-
	mg/L	0610	02/13/2001	N001	AL		580	L #	-	-
	mg/L	0614	02/13/2001	0001	AL		643	#	-	-
	mg/L	0614	02/13/2001	N001	AL		640	#	-	-
	mg/L	0615	02/14/2001	0001	AL		728	#	-	-
	mg/L	0615	02/14/2001	N001	AL		779	#	-	-
	mg/L	0616	02/13/2001	0001	AL		321	#	-	-
	mg/L	0616	02/13/2001	N001	AL		326	#	-	-
	mg/L	0618	02/13/2001	0001	AL		456	#	-	-
	mg/L	0618	02/13/2001	N001	AL		409	#	-	-
	mg/L	0619	02/14/2001	0001	AL		796	#	-	-
	mg/L	0619	02/14/2001	N001	AL		782	#	-	-
	mg/L	0620	02/14/2001	0001	AL		919	#	-	-
	mg/L	0620	02/14/2001	N001	AL		979	#	-	-
	mg/L	0621	02/14/2001	0001	AL		1011	#	-	-
	mg/L	0622	02/14/2001	0001	AL		945	#	-	-
	mg/L	0623	02/14/2001	0001	AL		549	#	-	-
	mg/L	0623	02/14/2001	N001	AL		509	#	-	-
	mg/L	0624	02/14/2001	0001	AL		614	#	-	-
	mg/L	0624	02/14/2001	N001	AL		595	#	-	-
	mg/L	0625	02/14/2001	0001	AL		448	#	-	-
	mg/L	0625	02/14/2001	N001	AL		472	#	-	-
	mg/L	0626	02/12/2001	0001	AL		412	#	-	-
	mg/L	0626	02/12/2001	N001	AL		442	#	-	-
	mg/L	0628	02/12/2001	0001	AL		177	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0628	02/12/2001	N001	AL		172	#		
	mg/L	0631	02/15/2001	0001	AL		503	#		
	mg/L	0631	02/15/2001	N001	AL		460	#		
	mg/L	0732	02/15/2001	0001	AL		180	#		
	mg/L	0732	02/15/2001	N001	AL		177	#		
	mg/L	0734	02/13/2001	0001	AL		666	L #		
	mg/L	0734	02/13/2001	N001	AL		687	L #		
	mg/L	0735	02/13/2001	0001	AL		386	#	-	-
	mg/L	0735	02/13/2001	N001	AL		397	#	-	-
	mg/L	0736	02/13/2001	0001	AL		477	#	-	-
	mg/L	0736	02/13/2001	N001	AL		470	#	-	-
	mg/L	0766	02/13/2001	0001	AL		1170	#	-	-
	mg/L	0766	02/13/2001	N001	AL		1152	#	-	-
	mg/L	0768	02/14/2001	0001	AL		1310	#	-	-
	mg/L	0768	02/14/2001	N001	AL		1319	#	-	-
	mg/L	0773	02/15/2001	0001	AL		279	#	-	-
	mg/L	0773	02/15/2001	N001	AL		268	#	-	-
	mg/L	0775	02/14/2001	0001	AL		850	L #	-	-
	mg/L	0775	02/14/2001	N001	AL		834	L #	-	-
	mg/L	0779	02/13/2001	0001	AL		620	#	-	-
	mg/L	0779	02/13/2001	N001	AL		696	#	-	-
	mg/L	0783	02/07/2001	0001	AL		152	#	-	-
	mg/L	0783	02/07/2001	N001	AL		137	#	-	-
	mg/L	0850	02/06/2001	0001	AL	B	317	#	-	-
	mg/L	0850	02/06/2001	N001	AL	B	319	#	-	-
	mg/L	0853	02/14/2001	0001	AL		213	#	-	-
	mg/L	0853	02/14/2001	N001	AL		219	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0854	02/13/2001	0001	AL		1258	L #	-	-
	mg/L	0854	02/13/2001	N001	AL		1169	L #	-	-
	mg/L	0855	02/13/2001	0001	AL		273	#	-	-
	mg/L	0855	02/13/2001	N001	AL		229	#	-	-
	mg/L	0857	02/13/2001	0001	AL		311	#	-	-
	mg/L	0857	02/13/2001	N001	AL		298	#	-	-
	mg/L	1000	02/13/2001	0001	KM		348	#	-	-
	mg/L	1000	02/13/2001	N001	KM		432	#	-	-
	mg/L	1001	02/15/2001	0001	KM		825	#	-	-
	mg/L	1001	02/15/2001	N001	KM		906	#	-	-
	mg/L	1062	02/13/2001	0001	KM		544	#	-	-
	mg/L	1062	02/13/2001	N001	KM		535	#	-	-
	Ammonium	mg/L	0608	02/13/2001	0001	KM		515.000	#	0.0047
mg/L		0610	02/13/2001	0001	AL		85.700	L #	0.0047	-
mg/L		0614	02/13/2001	0001	AL		62.800	#	0.0047	-
mg/L		0615	02/14/2001	0001	AL		84.000	#	0.0047	-
mg/L		0616	02/13/2001	0001	AL		19.100	#	0.0047	-
mg/L		0618	02/13/2001	0001	AL		61.000	#	0.0047	-
mg/L		0619	02/14/2001	0001	AL		4.660	#	0.0047	-
mg/L		0620	02/14/2001	0001	AL		0.0075	B #	0.0047	-
mg/L		0624	02/14/2001	0001	AL		5.100	#	0.0047	-
mg/L		0626	02/12/2001	0001	AL		0.0066	B #	0.0047	-
mg/L		0628	02/12/2001	0001	AL		0.0308	B #	0.0047	-
mg/L		0631	02/15/2001	0001	AL		0.0792	B #	0.0047	-
mg/L		0732	02/15/2001	0001	AL		0.707	#	0.0047	-
mg/L		0734	02/13/2001	0001	AL		0.0178	B L #	0.0047	-
mg/L		0735	02/13/2001	0001	AL		9.330	#	0.0047	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Ammonium	mg/L	0736	02/13/2001	0001	AL		0.0253	B #	0.0047	-
	mg/L	0766	02/13/2001	0001	AL		0.558	#	0.0047	-
	mg/L	0768	02/14/2001	0001	AL		0.0309	B #	0.0047	-
	mg/L	0773	02/15/2001	0001	AL		1.020	#	0.0047	-
	mg/L	0773	02/15/2001	0002	AL		1.050	#	0.0047	-
	mg/L	0775	02/14/2001	0001	AL		0.0301	B L #	0.0047	-
	mg/L	0779	02/13/2001	0001	AL		9.270	#	0.0047	-
	mg/L	0783	02/07/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0850	02/06/2001	0001	AL	B	0.0597	B #	0.0047	-
	mg/L	0853	02/14/2001	0001	AL		34.800	#	0.0047	-
	mg/L	0854	02/13/2001	0001	AL		21.300	L #	0.0047	-
	mg/L	0855	02/13/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0855	02/13/2001	0002	AL		0.0047	U #	0.0047	-
	mg/L	0857	02/13/2001	0001	AL		24.700	#	0.0047	-
	mg/L	0860	02/15/2001	0001	KM		1.070	#	0.0047	-
	mg/L	1000	02/13/2001	0001	KM		7.110	#	0.0047	-
	mg/L	1001	02/15/2001	0001	KM		1.470	#	0.0047	-
mg/L	1062	02/13/2001	0001	KM		6.550	#	0.0047	-	
Calcium	mg/L	0608	02/13/2001	0001	KM		457.000	#	0.0757	-
	mg/L	0610	02/13/2001	0001	AL		480.000	L #	1.8925	-
	mg/L	0614	02/13/2001	0001	AL		481.000	#	1.8925	-
	mg/L	0615	02/14/2001	0001	AL		492.000	#	0.0757	-
	mg/L	0616	02/13/2001	0001	AL		485.000	#	1.8925	-
	mg/L	0618	02/13/2001	0001	AL		534.000	#	1.8925	-
	mg/L	0619	02/14/2001	0001	AL		382.000	#	0.0757	-
	mg/L	0620	02/14/2001	0001	AL		399.000	#	0.0757	-
	mg/L	0624	02/14/2001	0001	AL		408.000	#	0.0757	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Calcium	mg/L	0626	02/12/2001	0001	AL		301.000	#	0.0757	-
	mg/L	0628	02/12/2001	0001	AL		268.000	#	0.0757	-
	mg/L	0631	02/15/2001	0001	AL		380.000	#	0.0757	-
	mg/L	0732	02/15/2001	0001	AL		78.800	#	0.0757	-
	mg/L	0734	02/13/2001	0001	AL		425.000	L #	0.0757	-
	mg/L	0735	02/13/2001	0001	AL		95.800	#	0.0757	-
	mg/L	0736	02/13/2001	0001	AL		396.000	#	0.0757	-
	mg/L	0766	02/13/2001	0001	AL		461.000	#	0.0757	-
	mg/L	0768	02/14/2001	0001	AL		392.000	#	0.0757	-
	mg/L	0773	02/15/2001	0001	AL		459.000	#	0.0757	-
	mg/L	0773	02/15/2001	0002	AL		452.000	#	0.0757	-
	mg/L	0775	02/14/2001	0001	AL		433.000	L #	0.0757	-
	mg/L	0779	02/13/2001	0001	AL		394.000	#	0.0757	-
	mg/L	0783	02/07/2001	0001	AL		67.600	#	0.0757	-
	mg/L	0850	02/06/2001	0001	AL	B	138.000	#	0.0757	-
	mg/L	0853	02/14/2001	0001	AL		302.000	#	0.0757	-
	mg/L	0854	02/13/2001	0001	AL		463.000	L #	0.0757	-
	mg/L	0855	02/13/2001	0001	AL		432.000	#	0.0757	-
	mg/L	0855	02/13/2001	0002	AL		427.000	#	0.0757	-
	mg/L	0857	02/13/2001	0001	AL		374.000	#	0.0757	-
mg/L	0860	02/15/2001	0001	KM		81.300	#	0.0757	-	
mg/L	0862	02/22/2001	0001	KM		111.000	L #	0.0757	-	
mg/L	1000	02/13/2001	0001	KM		43.300	#	0.0757	-	
mg/L	1001	02/15/2001	0001	KM		17.300	#	0.0757	-	
mg/L	1062	02/13/2001	0001	KM		62.300	#	0.0757	-	
Chloride	mg/L	0608	02/13/2001	0001	KM		308.000	#	2.4	-
	mg/L	0610	02/13/2001	0001	AL		391.000	L #	9.6	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0614	02/13/2001	0001	AL		436.000	#	2.4	-
	mg/L	0615	02/14/2001	0001	AL		599.000	#	9.6	-
	mg/L	0616	02/13/2001	0001	AL		82.900	#	0.6	-
	mg/L	0618	02/13/2001	0001	AL		215.000	#	2.4	-
	mg/L	0619	02/14/2001	0001	AL		397.000	#	2.4	-
	mg/L	0620	02/14/2001	0001	AL		351.000	#	2.4	-
	mg/L	0624	02/14/2001	0001	AL		290.000	#	2.4	-
	mg/L	0626	02/12/2001	0001	AL		78.000	#	0.6	-
	mg/L	0628	02/12/2001	0001	AL		76.200	#	0.6	-
	mg/L	0631	02/15/2001	0001	AL		156.000	#	0.6	-
	mg/L	0732	02/15/2001	0001	AL		34.100	#	0.024	-
	mg/L	0734	02/13/2001	0001	AL		273.000	L #	2.4	-
	mg/L	0735	02/13/2001	0001	AL		99.800	#	0.6	-
	mg/L	0736	02/13/2001	0001	AL		157.000	#	2.4	-
	mg/L	0766	02/13/2001	0001	AL		1250.000	#	9.6	-
	mg/L	0768	02/14/2001	0001	AL		578.000	#	9.6	-
	mg/L	0773	02/15/2001	0001	AL		197.000	#	2.4	-
	mg/L	0773	02/15/2001	0002	AL		196.000	#	2.4	-
	mg/L	0775	02/14/2001	0001	AL		642.000	L #	9.6	-
	mg/L	0779	02/13/2001	0001	AL		254.000	#	2.4	-
	mg/L	0783	02/07/2001	0001	AL		15.000	#	0.096	-
	mg/L	0850	02/06/2001	0001	AL	B	89.000	#	0.096	-
	mg/L	0853	02/14/2001	0001	AL		29.300	#	0.096	-
	mg/L	0854	02/13/2001	0001	AL		1250.000	L #	9.6	-
	mg/L	0855	02/13/2001	0001	AL		75.900	#	0.6	-
	mg/L	0855	02/13/2001	0002	AL		76.100	#	0.6	-
	mg/L	0857	02/13/2001	0001	AL		66.600	#	0.6	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0860	02/15/2001	0001	KM		4420.000	#	2.4	-
	mg/L	1000	02/13/2001	0001	KM		4930.000	#	2.4	-
	mg/L	1001	02/15/2001	0001	KM		1640.000	#	2.4	-
	mg/L	1062	02/13/2001	0001	KM		8090.000	#	9.6	-
Magnesium	mg/L	0608	02/13/2001	0001	KM		1670.000	#	0.52	-
	mg/L	0610	02/13/2001	0001	AL		1910.000	L #	0.52	-
	mg/L	0614	02/13/2001	0001	AL		2060.000	#	0.52	-
	mg/L	0615	02/14/2001	0001	AL		2400.000	#	0.52	-
	mg/L	0616	02/13/2001	0001	AL		313.000	#	0.0052	-
	mg/L	0618	02/13/2001	0001	AL		711.000	#	0.52	-
	mg/L	0619	02/14/2001	0001	AL		822.000	#	0.52	-
	mg/L	0620	02/14/2001	0001	AL		851.000	#	0.52	-
	mg/L	0624	02/14/2001	0001	AL		770.000	#	0.52	-
	mg/L	0626	02/12/2001	0001	AL		75.500	#	0.0052	-
	mg/L	0628	02/12/2001	0001	AL		52.600	#	0.0052	-
	mg/L	0631	02/15/2001	0001	AL		263.000	#	0.0052	-
	mg/L	0732	02/15/2001	0001	AL		56.500	#	0.0052	-
	mg/L	0734	02/13/2001	0001	AL		589.000	L #	0.52	-
	mg/L	0735	02/13/2001	0001	AL		189.000	#	0.0052	-
	mg/L	0736	02/13/2001	0001	AL		390.000	#	0.0052	-
	mg/L	0766	02/13/2001	0001	AL		3040.000	#	0.52	-
	mg/L	0768	02/14/2001	0001	AL		1210.000	#	0.52	-
	mg/L	0773	02/15/2001	0001	AL		876.000	#	0.52	-
	mg/L	0773	02/15/2001	0002	AL		868.000	#	0.52	-
mg/L	0775	02/14/2001	0001	AL		1750.000	L #	0.52	-	
mg/L	0779	02/13/2001	0001	AL		880.000	#	0.52	-	
mg/L	0783	02/07/2001	0001	AL		27.300	#	0.0052	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0850	02/06/2001	0001	AL	B	25.700	#	0.0052	-
	mg/L	0853	02/14/2001	0001	AL		114.000	#	0.0052	-
	mg/L	0854	02/13/2001	0001	AL		3070.000	L #	0.52	-
	mg/L	0855	02/13/2001	0001	AL		174.000	#	0.0052	-
	mg/L	0855	02/13/2001	0002	AL		172.000	#	0.0052	-
	mg/L	0857	02/13/2001	0001	AL		214.000	#	0.0052	-
	mg/L	0860	02/15/2001	0001	KM		25.300	#	0.0052	-
	mg/L	0862	02/22/2001	0001	KM		39.900	L #	0.0052	-
	mg/L	1000	02/13/2001	0001	KM		35.200	#	0.0052	-
	mg/L	1001	02/15/2001	0001	KM		5.790	#	0.0052	-
	mg/L	1062	02/13/2001	0001	KM		30.700	#	0.0052	-
	Manganese	mg/L	0608	02/13/2001	0001	KM		8.220	#	0.0002
mg/L		0610	02/13/2001	0001	AL		2.760	L #	0.0002	-
mg/L		0614	02/13/2001	0001	AL		5.910	#	0.0002	-
mg/L		0615	02/14/2001	0001	AL		9.260	#	0.0002	-
mg/L		0616	02/13/2001	0001	AL		1.190	#	0.0002	-
mg/L		0618	02/13/2001	0001	AL		7.260	#	0.0002	-
mg/L		0619	02/14/2001	0001	AL		4.160	#	0.0002	-
mg/L		0620	02/14/2001	0001	AL		2.150	#	0.0002	-
mg/L		0624	02/14/2001	0001	AL		4.180	#	0.0002	-
mg/L		0626	02/12/2001	0001	AL		2.100	#	0.0002	-
mg/L		0628	02/12/2001	0001	AL		1.730	#	0.0002	-
mg/L		0631	02/15/2001	0001	AL		5.330	#	0.0002	-
mg/L		0732	02/15/2001	0001	AL		0.0018	B #	0.0002	-
mg/L		0734	02/13/2001	0001	AL		0.0707	L #	0.0002	-
mg/L		0735	02/13/2001	0001	AL		0.826	#	0.0002	-
mg/L		0736	02/13/2001	0001	AL		2.750	#	0.0002	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Manganese	mg/L	0766	02/13/2001	0001	AL		0.678	#	0.0002	-
	mg/L	0768	02/14/2001	0001	AL		3.680	#	0.0002	-
	mg/L	0773	02/15/2001	0001	AL		0.060	#	0.0002	-
	mg/L	0773	02/15/2001	0002	AL		0.039	#	0.0002	-
	mg/L	0775	02/14/2001	0001	AL		0.547	L #	0.0002	-
	mg/L	0779	02/13/2001	0001	AL		5.340	#	0.0002	-
	mg/L	0783	02/07/2001	0001	AL		0.470	#	0.0002	-
	mg/L	0850	02/06/2001	0001	AL	B	1.160	#	0.0002	-
	mg/L	0853	02/14/2001	0001	AL		1.600	#	0.0002	-
	mg/L	0854	02/13/2001	0001	AL		8.970	L #	0.0002	-
	mg/L	0855	02/13/2001	0001	AL		2.190	#	0.0002	-
	mg/L	0855	02/13/2001	0002	AL		2.160	#	0.0002	-
	mg/L	0857	02/13/2001	0001	AL		3.620	#	0.0002	-
	mg/L	0860	02/15/2001	0001	KM		0.289	#	0.0002	-
	mg/L	0862	02/22/2001	0001	KM		0.0919	L #	0.0002	-
	mg/L	1000	02/13/2001	0001	KM		0.345	#	0.0002	-
	mg/L	1001	02/15/2001	0001	KM		0.100	#	0.0002	-
	mg/L	1062	02/13/2001	0001	KM		0.0773	#	0.0002	-
Nitrate	mg/L	0608	02/13/2001	0001	KM		2100.000	#	78.5	-
	mg/L	0610	02/13/2001	0001	AL		3340.000	L #	78.5	-
	mg/L	0614	02/13/2001	0001	AL		3330.000	#	78.5	-
	mg/L	0615	02/14/2001	0001	AL		3600.000	#	78.5	-
	mg/L	0616	02/13/2001	0001	AL		174.000	#	0.1256	-
	mg/L	0618	02/13/2001	0001	AL		988.000	#	12.56	-
	mg/L	0619	02/14/2001	0001	AL		84.700	#	0.0314	-
	mg/L	0620	02/14/2001	0001	AL		135.000	#	0.1256	-
	mg/L	0624	02/14/2001	0001	AL		190.000	#	0.1256	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Nitrate	mg/L	0626	02/12/2001	0001	AL		0.357	B #	0.0314	-
	mg/L	0628	02/12/2001	0001	AL		4.460	#	0.0314	-
	mg/L	0631	02/15/2001	0001	AL		0.697	B #	0.0314	-
	mg/L	0732	02/15/2001	0001	AL		43.800	#	0.0314	-
	mg/L	0734	02/13/2001	0001	AL		223.000	L #	0.785	-
	mg/L	0735	02/13/2001	0001	AL		465.000	#	3.14	-
	mg/L	0736	02/13/2001	0001	AL		0.464	B #	0.0314	-
	mg/L	0766	02/13/2001	0001	AL		961.000	#	3.14	-
	mg/L	0768	02/14/2001	0001	AL		61.700	#	0.0314	-
	mg/L	0773	02/15/2001	0001	AL		1510.000	#	12.56	-
	mg/L	0773	02/15/2001	0002	AL		1530.000	#	12.56	-
	mg/L	0775	02/14/2001	0001	AL		1100.000	L #	12.56	-
	mg/L	0779	02/13/2001	0001	AL		120.000	#	0.1256	-
	mg/L	0783	02/07/2001	0001	AL		0.228	B #	0.0314	-
	mg/L	0850	02/06/2001	0001	AL	B	0.0314	U #	0.0314	-
	mg/L	0853	02/14/2001	0001	AL		2.170	#	0.0314	-
	mg/L	0854	02/13/2001	0001	AL		1570.000	L #	12.56	-
	mg/L	0855	02/13/2001	0001	AL		40.200	#	0.0314	-
	mg/L	0855	02/13/2001	0002	AL		39.500	#	0.0314	-
	mg/L	0857	02/13/2001	0001	AL		0.655	B #	0.0314	-
mg/L	0860	02/15/2001	0001	KM		26.700	#	0.0314	-	
mg/L	1000	02/13/2001	0001	KM		6.380	#	0.0314	-	
mg/L	1001	02/15/2001	0001	KM		16.800	#	0.0314	-	
mg/L	1062	02/13/2001	0001	KM		0.769	B #	0.0314	-	
ORP of Zobell Solution	mV	0608	02/13/2001	N001	KM		235	#	-	-
	mV	0610	02/13/2001	N001	AL		235	L #	-	-
	mV	0614	02/13/2001	N001	AL		235	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
ORP of Zobell Solution	mV	0615	02/14/2001	N001	AL		235	#	-	-
	mV	0616	02/13/2001	N001	AL		235	#	-	-
	mV	0618	02/13/2001	N001	AL		232	#	-	-
	mV	0619	02/14/2001	N001	AL		229	#	-	-
	mV	0620	02/14/2001	N001	AL		236	#	-	-
	mV	0621	02/14/2001	N001	AL		236	#	-	-
	mV	0622	02/14/2001	N001	AL		231	#	-	-
	mV	0623	02/14/2001	N001	AL		237	#	-	-
	mV	0624	02/14/2001	N001	AL		235	#	-	-
	mV	0625	02/14/2001	N001	AL		235	#	-	-
	mV	0626	02/12/2001	N001	AL		237	#	-	-
	mV	0628	02/12/2001	N001	AL		237	#	-	-
	mV	0631	02/15/2001	N001	AL		238	#	-	-
	mV	0732	02/15/2001	N001	AL		238	#	-	-
	mV	0734	02/13/2001	N001	AL		239	L #	-	-
	mV	0735	02/13/2001	N001	AL		238	#	-	-
	mV	0736	02/13/2001	N001	AL		241	#	-	-
	mV	0766	02/13/2001	N001	AL		241	#	-	-
	mV	0768	02/14/2001	N001	AL		229	#	-	-
	mV	0773	02/15/2001	N001	AL		237	#	-	-
	mV	0775	02/14/2001	N001	AL		231	L #	-	-
	mV	0779	02/13/2001	N001	AL		237	#	-	-
	mV	0783	02/07/2001	N001	AL		234	#	-	-
	mV	0850	02/06/2001	N001	AL	B	237	#	-	-
	mV	0853	02/14/2001	N001	AL		227	#	-	-
	mV	0854	02/13/2001	N001	AL		241	L #	-	-
	mV	0855	02/13/2001	N001	AL		239	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY	
			DATE	ID				LAB	DATA	QA			
ORP of Zobell Solution	mV	0857	02/13/2001	N001	AL		238			#	-	-	
	mV	0860	02/15/2001	N001	KM		257			#	-	-	
	mV	0862	02/22/2001	N001	KM		235		L	#	-	-	
	mV	1000	02/13/2001	N001	KM		235			#	-	-	
	mV	1001	02/15/2001	N001	KM		234			#	-	-	
	mV	1062	02/13/2001	N001	KM		238			#	-	-	
Oxidation Reduction Potenti	mV	0608	02/13/2001	N001	KM		107			#	-	-	
	mV	0610	02/13/2001	N001	AL		86		L	#	-	-	
	mV	0614	02/13/2001	N001	AL		171			#	-	-	
	mV	0615	02/14/2001	N001	AL		60			#	-	-	
	mV	0616	02/13/2001	N001	AL		176			#	-	-	
	mV	0618	02/13/2001	N001	AL		155			#	-	-	
	mV	0619	02/14/2001	N001	AL		171			#	-	-	
	mV	0620	02/14/2001	N001	AL		151			#	-	-	
	mV	0621	02/14/2001	N001	AL		175			#	-	-	
	mV	0622	02/14/2001	N001	AL		187			#	-	-	
	mV	0623	02/14/2001	N001	AL		72			#	-	-	
	mV	0624	02/14/2001	N001	AL		47			#	-	-	
	mV	0625	02/14/2001	N001	AL		71			#	-	-	
	mV	0626	02/12/2001	N001	AL		65			#	-	-	
	mV	0628	02/12/2001	N001	AL		104			#	-	-	
	mV	0631	02/15/2001	N001	AL		-34			#	-	-	
	mV	0732	02/15/2001	N001	AL		68			#	-	-	
	mV	0734	02/13/2001	N001	AL		183			L	#	-	-
	mV	0735	02/13/2001	N001	AL		98			#	-	-	
	mV	0736	02/13/2001	N001	AL		-73			#	-	-	
mV	0766	02/13/2001	N001	AL		198			#	-	-		

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
			DATE	ID				LAB	DATA	QA		
Oxidation Reduction Potenti	mV	0768	02/14/2001	N001	AL		116			#	-	-
	mV	0773	02/15/2001	N001	AL		170			#	-	-
	mV	0775	02/14/2001	N001	AL		160		L	#	-	-
	mV	0779	02/13/2001	N001	AL		169			#	-	-
	mV	0783	02/07/2001	N001	AL		156			#	-	-
	mV	0850	02/06/2001	N001	AL	B	-40			#	-	-
	mV	0853	02/14/2001	N001	AL		-67			#	-	-
	mV	0854	02/13/2001	N001	AL		196		L	#	-	-
	mV	0855	02/13/2001	N001	AL		126			#	-	-
	mV	0857	02/13/2001	N001	AL		-19			#	-	-
	mV	0860	02/15/2001	N001	KM		76			#	-	-
	mV	0862	02/22/2001	N001	KM		165		L	#	-	-
	mV	1000	02/13/2001	N001	KM		-122			#	-	-
	mV	1001	02/15/2001	N001	KM		139			#	-	-
	mV	1062	02/13/2001	N001	KM		-146			#	-	-
pH	s.u.	0608	02/13/2001	N001	KM		6.72			#	-	-
	s.u.	0610	02/13/2001	N001	AL		7.1		L	#	-	-
	s.u.	0614	02/13/2001	N001	AL		6.84			#	-	-
	s.u.	0615	02/14/2001	N001	AL		6.88			#	-	-
	s.u.	0616	02/13/2001	N001	AL		7			#	-	-
	s.u.	0618	02/13/2001	N001	AL		6.87			#	-	-
	s.u.	0619	02/14/2001	N001	AL		7.16			#	-	-
	s.u.	0620	02/14/2001	N001	AL		7.06			#	-	-
	s.u.	0621	02/14/2001	N001	AL		7.12			#	-	-
	s.u.	0622	02/14/2001	N001	AL		8.69			#	-	-
	s.u.	0623	02/14/2001	N001	AL		7.24			#	-	-
	s.u.	0624	02/14/2001	N001	AL		6.9			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0625	02/14/2001	N001	AL		7.1	#	-	-
	s.u.	0626	02/12/2001	N001	AL		7.17	#	-	-
	s.u.	0628	02/12/2001	N001	AL		7.4	#	-	-
	s.u.	0631	02/15/2001	N001	AL		7.08	#	-	-
	s.u.	0732	02/15/2001	N001	AL		7.5	#	-	-
	s.u.	0734	02/13/2001	N001	AL		7.27	L #	-	-
	s.u.	0735	02/13/2001	N001	AL		7.3	#	-	-
	s.u.	0736	02/13/2001	N001	AL		7.29	#	-	-
	s.u.	0766	02/13/2001	N001	AL		7.36	#	-	-
	s.u.	0768	02/14/2001	N001	AL		7.44	#	-	-
	s.u.	0773	02/15/2001	N001	AL		7.33	#	-	-
	s.u.	0775	02/14/2001	N001	AL		7.55	L #	-	-
	s.u.	0779	02/13/2001	N001	AL		7.74	#	-	-
	s.u.	0783	02/07/2001	N001	AL		7.79	#	-	-
	s.u.	0850	02/06/2001	N001	AL	B	7.59	#	-	-
	s.u.	0853	02/14/2001	N001	AL		7.23	#	-	-
	s.u.	0854	02/13/2001	N001	AL		7.09	L #	-	-
	s.u.	0855	02/13/2001	N001	AL		7.3	#	-	-
	s.u.	0857	02/13/2001	N001	AL		7.88	#	-	-
	s.u.	0860	02/15/2001	N001	KM		7.2	#	-	-
s.u.	0862	02/22/2001	N001	KM		7.23	L #	-	-	
s.u.	1000	02/13/2001	N001	KM		7.82	#	-	-	
s.u.	1001	02/15/2001	N001	KM		8.25	#	-	-	
s.u.	1062	02/13/2001	N001	KM		7.57	#	-	-	
Potassium	mg/L	0608	02/13/2001	0001	KM		173.000	#	0.0091	-
	mg/L	0610	02/13/2001	0001	AL		143.000	L #	0.0091	-
	mg/L	0614	02/13/2001	0001	AL		129.000	#	0.0091	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY	
			DATE	ID				LAB	DATA	QA			
Potassium	mg/L	0615	02/14/2001	0001	AL		158.000				#	0.0091	-
	mg/L	0616	02/13/2001	0001	AL		41.900				#	0.0091	-
	mg/L	0618	02/13/2001	0001	AL		62.700				#	0.0091	-
	mg/L	0619	02/14/2001	0001	AL		64.800	E	J		#	0.0091	-
	mg/L	0620	02/14/2001	0001	AL		47.200	E	J		#	0.0091	-
	mg/L	0624	02/14/2001	0001	AL		53.400				#	0.0091	-
	mg/L	0626	02/12/2001	0001	AL		14.500				#	0.0091	-
	mg/L	0628	02/12/2001	0001	AL		8.990				#	0.0091	-
	mg/L	0631	02/15/2001	0001	AL		10.600	E	J		#	0.0091	-
	mg/L	0732	02/15/2001	0001	AL		4.000	E	J		#	0.0091	-
	mg/L	0734	02/13/2001	0001	AL		20.100		L		#	0.0091	-
	mg/L	0735	02/13/2001	0001	AL		15.500				#	0.0091	-
	mg/L	0736	02/13/2001	0001	AL		38.200				#	0.0091	-
	mg/L	0766	02/13/2001	0001	AL		171.000				#	0.0091	-
	mg/L	0768	02/14/2001	0001	AL		92.300	E	J		#	0.0091	-
	mg/L	0773	02/15/2001	0001	AL		67.900	E	J		#	0.0091	-
	mg/L	0773	02/15/2001	0002	AL		67.200	E	J		#	0.0091	-
	mg/L	0775	02/14/2001	0001	AL		120.000	E	JL		#	0.0091	-
	mg/L	0779	02/13/2001	0001	AL		55.800				#	0.0091	-
	mg/L	0783	02/07/2001	0001	AL		1.840				#	0.0091	-
	mg/L	0850	02/06/2001	0001	AL	B	3.860				#	0.0091	-
	mg/L	0853	02/14/2001	0001	AL		19.200				#	0.0091	-
	mg/L	0854	02/13/2001	0001	AL		152.000		L		#	0.0091	-
	mg/L	0855	02/13/2001	0001	AL		12.600				#	0.0091	-
	mg/L	0855	02/13/2001	0002	AL		12.600				#	0.0091	-
	mg/L	0857	02/13/2001	0001	AL		22.100				#	0.0091	-
	mg/L	0860	02/15/2001	0001	KM		18.600	E	J		#	0.0091	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Potassium	mg/L	0862	02/22/2001	0001	KM		25.900	E L #	0.0091	-
	mg/L	1000	02/13/2001	0001	KM		18.300	#	0.0091	-
	mg/L	1001	02/15/2001	0001	KM		6.630	E J #	0.0091	-
	mg/L	1062	02/13/2001	0001	KM		18.100	E J #	0.0091	-
Radon-222	pCi/L	0608	02/13/2001	0001	KM		352.14	#	27.82	± 38.2
	pCi/L	0614	02/13/2001	0001	AL		221.49	#	27.73	± 31.0
	pCi/L	0854	02/13/2001	0001	AL		251.7	L #	29.62	± 34.0
Selenium	mg/L	0608	02/13/2001	0001	KM		0.0057	#	0.0001	-
	mg/L	0610	02/13/2001	0001	AL		0.0141	L #	0.0001	-
	mg/L	0614	02/13/2001	0001	AL		0.0609	#	0.0025	-
	mg/L	0615	02/14/2001	0001	AL		1.810	#	4	-
	mg/L	0616	02/13/2001	0001	AL		0.070	#	0.0025	-
	mg/L	0618	02/13/2001	0001	AL		0.175	#	0.04	-
	mg/L	0619	02/14/2001	0001	AL		0.334	#	0.25	-
	mg/L	0620	02/14/2001	0001	AL		0.204	#	0.04	-
	mg/L	0624	02/14/2001	0001	AL		0.272	#	0.04	-
	mg/L	0626	02/12/2001	0001	AL		0.013	#	0.0001	-
	mg/L	0628	02/12/2001	0001	AL		0.0269	#	0.0004	-
	mg/L	0631	02/15/2001	0001	AL		0.0001	U #	0.0001	-
	mg/L	0732	02/15/2001	0001	AL		0.0055	#	0.0001	-
	mg/L	0734	02/13/2001	0001	AL		0.147	L #	0.04	-
	mg/L	0735	02/13/2001	0001	AL		0.117	#	0.01	-
	mg/L	0736	02/13/2001	0001	AL		0.004	B #	0.0001	-
	mg/L	0766	02/13/2001	0001	AL		0.0526	#	0.0025	-
	mg/L	0768	02/14/2001	0001	AL		0.768	#	0.25	-
	mg/L	0773	02/15/2001	0001	AL		0.0168	#	0.0001	-
	mg/L	0773	02/15/2001	0002	AL		0.0168	#	0.0001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Selenium	mg/L	0775	02/14/2001	0001	AL		0.019	L #	0.0001	-
	mg/L	0779	02/13/2001	0001	AL		0.0016	B #	0.0001	-
	mg/L	0783	02/07/2001	0001	AL		0.0011	B #	0.0001	-
	mg/L	0850	02/06/2001	0001	AL	B	0.0001	U #	0.0001	-
	mg/L	0853	02/14/2001	0001	AL		0.0001	U #	0.0001	-
	mg/L	0854	02/13/2001	0001	AL		0.0117	L #	0.0001	-
	mg/L	0855	02/13/2001	0001	AL		0.0761	#	0.01	-
	mg/L	0855	02/13/2001	0002	AL		0.0752	#	0.01	-
	mg/L	0857	02/13/2001	0001	AL		0.0001	U #	0.0001	-
	mg/L	0860	02/15/2001	0001	KM		0.0027	B #	0.0001	-
	mg/L	0862	02/22/2001	0001	KM		0.0042	B L #	0.0001	-
	mg/L	1000	02/13/2001	0001	KM		0.00012	B #	0.0001	-
	mg/L	1001	02/15/2001	0001	KM		0.0025	B #	0.0001	-
	mg/L	1062	02/13/2001	0001	KM		0.0001	U #	0.0001	-
	Sodium	mg/L	0608	02/13/2001	0001	KM		1780.000	#	1.83
mg/L		0610	02/13/2001	0001	AL		2290.000	L #	1.83	-
mg/L		0614	02/13/2001	0001	AL		2280.000	#	1.83	-
mg/L		0615	02/14/2001	0001	AL		4090.000	#	7.32	-
mg/L		0616	02/13/2001	0001	AL		431.000	#	1.83	-
mg/L		0618	02/13/2001	0001	AL		1010.000	#	1.83	-
mg/L		0619	02/14/2001	0001	AL		2390.000	#	1.83	-
mg/L		0620	02/14/2001	0001	AL		1750.000	#	1.83	-
mg/L		0624	02/14/2001	0001	AL		1910.000	#	1.83	-
mg/L		0626	02/12/2001	0001	AL		1150.000	#	1.83	-
mg/L		0628	02/12/2001	0001	AL		1010.000	#	1.83	-
mg/L		0631	02/15/2001	0001	AL		656.000	#	1.83	-
mg/L		0732	02/15/2001	0001	AL		160.000	#	0.0183	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0734	02/13/2001	0001	AL		1970.000	L #	1.83	-
	mg/L	0735	02/13/2001	0001	AL		757.000	#	1.83	-
	mg/L	0736	02/13/2001	0001	AL		1900.000	#	1.83	-
	mg/L	0766	02/13/2001	0001	AL		6490.000	#	45.75	-
	mg/L	0768	02/14/2001	0001	AL		4240.000	#	7.32	-
	mg/L	0773	02/15/2001	0001	AL		996.000	#	1.83	-
	mg/L	0773	02/15/2001	0002	AL		996.000	#	1.83	-
	mg/L	0775	02/14/2001	0001	AL		3720.000	L #	7.32	-
	mg/L	0779	02/13/2001	0001	AL		1650.000	#	1.83	-
	mg/L	0783	02/07/2001	0001	AL		62.000	#	0.0183	-
	mg/L	0850	02/06/2001	0001	AL	B	666.000	#	1.83	-
	mg/L	0853	02/14/2001	0001	AL		193.000	#	0.0183	-
	mg/L	0854	02/13/2001	0001	AL		5990.000	L #	45.75	-
	mg/L	0855	02/13/2001	0001	AL		1010.000	#	1.83	-
	mg/L	0855	02/13/2001	0002	AL		1000.000	#	1.83	-
	mg/L	0857	02/13/2001	0001	AL		373.000	#	1.83	-
	mg/L	0860	02/15/2001	0001	KM		3950.000	#	7.32	-
	mg/L	0862	02/22/2001	0001	KM		4270.000	L #	7.32	-
	mg/L	1000	02/13/2001	0001	KM		3640.000	#	7.32	-
	mg/L	1001	02/15/2001	0001	KM		1740.000	#	1.83	-
mg/L	1062	02/13/2001	0001	KM		5290.000	#	7.32	-	
Specific Conductance	umhos/cm	0608	02/13/2001	N001	KM		17300	#	-	-
	umhos/cm	0610	02/13/2001	N001	AL		17940	L #	-	-
	umhos/cm	0614	02/13/2001	N001	AL		17940	#	-	-
	umhos/cm	0615	02/14/2001	N001	AL		22200	#	-	-
	umhos/cm	0616	02/13/2001	N001	AL		5060	#	-	-
	umhos/cm	0618	02/13/2001	N001	AL		9140	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0619	02/14/2001	N001	AL		11890	#	-	-
	umhos/cm	0620	02/14/2001	N001	AL		10990	#	-	-
	umhos/cm	0621	02/14/2001	N001	AL		10550	#	-	-
	umhos/cm	0622	02/14/2001	N001	AL		10220	#	-	-
	umhos/cm	0623	02/14/2001	N001	AL		7310	#	-	-
	umhos/cm	0624	02/14/2001	N001	AL		10510	#	-	-
	umhos/cm	0625	02/14/2001	N001	AL		6830	#	-	-
	umhos/cm	0626	02/12/2001	N001	AL		6000	#	-	-
	umhos/cm	0628	02/12/2001	N001	AL		5370	#	-	-
	umhos/cm	0631	02/15/2001	N001	AL		5210	#	-	-
	umhos/cm	0732	02/15/2001	N001	AL		1442	#	-	-
	umhos/cm	0734	02/13/2001	N001	AL		12090	L #	-	-
	umhos/cm	0735	02/13/2001	N001	AL		4670	#	-	-
	umhos/cm	0736	02/13/2001	N001	AL		9870	#	-	-
	umhos/cm	0766	02/13/2001	N001	AL		28300	#	-	-
	umhos/cm	0768	02/14/2001	N001	AL		15630	#	-	-
	umhos/cm	0773	02/15/2001	N001	AL		9800	#	-	-
	umhos/cm	0775	02/14/2001	N001	AL		15090	L #	-	-
	umhos/cm	0779	02/13/2001	N001	AL		10750	#	-	-
	umhos/cm	0783	02/07/2001	N001	AL		796	#	-	-
	umhos/cm	0850	02/06/2001	N001	AL	B	3420	#	-	-
	umhos/cm	0853	02/14/2001	N001	AL		2660	#	-	-
	umhos/cm	0854	02/13/2001	N001	AL		27800	L #	-	-
	umhos/cm	0855	02/13/2001	N001	AL		6270	#	-	-
	umhos/cm	0857	02/13/2001	N001	AL		4010	#	-	-
	umhos/cm	0860	02/15/2001	N001	KM		15700	#	-	-
	umhos/cm	0862	02/22/2001	N001	KM		14980	L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	1000	02/13/2001	N001	KM		16460	#	-	-
	umhos/cm	1001	02/15/2001	N001	KM		7860	#	-	-
	umhos/cm	1062	02/13/2001	N001	KM		19900	#	-	-
Strontium	mg/L	0608	02/13/2001	0001	KM		10.900	#	0.01	-
	mg/L	0610	02/13/2001	0001	AL		11.600	L #	0.01	-
	mg/L	0614	02/13/2001	0001	AL		12.400	#	0.01	-
	mg/L	0615	02/14/2001	0001	AL		13.200	#	0.01	-
	mg/L	0616	02/13/2001	0001	AL		5.040	#	0.01	-
	mg/L	0618	02/13/2001	0001	AL		7.340	#	0.01	-
	mg/L	0619	02/14/2001	0001	AL		8.820	#	0.01	-
	mg/L	0620	02/14/2001	0001	AL		9.420	#	0.01	-
	mg/L	0624	02/14/2001	0001	AL		9.690	#	0.01	-
	mg/L	0626	02/12/2001	0001	AL		12.000	#	0.01	-
	mg/L	0628	02/12/2001	0001	AL		13.600	#	0.01	-
	mg/L	0631	02/15/2001	0001	AL		4.950	#	0.01	-
	mg/L	0732	02/15/2001	0001	AL		1.180	#	0.0001	-
	mg/L	0734	02/13/2001	0001	AL		9.340	L #	0.01	-
	mg/L	0735	02/13/2001	0001	AL		2.020	#	0.0001	-
	mg/L	0736	02/13/2001	0001	AL		7.300	#	0.01	-
	mg/L	0766	02/13/2001	0001	AL		16.000	#	0.01	-
	mg/L	0768	02/14/2001	0001	AL		11.400	#	0.01	-
	mg/L	0773	02/15/2001	0001	AL		6.030	#	0.01	-
	mg/L	0773	02/15/2001	0002	AL		6.000	#	0.01	-
	mg/L	0775	02/14/2001	0001	AL		11.500	L #	0.01	-
	mg/L	0779	02/13/2001	0001	AL		7.890	#	0.01	-
	mg/L	0783	02/07/2001	0001	AL		0.838	#	0.0001	-
mg/L	0850	02/06/2001	0001	AL	B		1.850	#	0.0001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Strontium	mg/L	0853	02/14/2001	0001	AL		3.060	#	0.0001	-
	mg/L	0854	02/13/2001	0001	AL		15.300	L #	0.01	-
	mg/L	0855	02/13/2001	0001	AL		10.500	#	0.01	-
	mg/L	0855	02/13/2001	0002	AL		10.400	#	0.01	-
	mg/L	0857	02/13/2001	0001	AL		4.200	#	0.0001	-
	mg/L	0860	02/15/2001	0001	KM		5.710	#	0.01	-
	mg/L	0862	02/22/2001	0001	KM		7.490	L #	0.01	-
	mg/L	1000	02/13/2001	0001	KM		4.270	#	0.0001	-
	mg/L	1001	02/15/2001	0001	KM		1.320	#	0.0001	-
	mg/L	1062	02/13/2001	0001	KM		8.400	#	0.01	-
Sulfate	mg/L	0608	02/13/2001	0001	KM		10600.000	#	23.56	-
	mg/L	0610	02/13/2001	0001	AL		10800.000	L #	23.56	-
	mg/L	0614	02/13/2001	0001	AL		11200.000	#	23.56	-
	mg/L	0615	02/14/2001	0001	AL		15300.000	#	23.56	-
	mg/L	0616	02/13/2001	0001	AL		2930.000	#	1.4725	-
	mg/L	0618	02/13/2001	0001	AL		5560.000	#	5.89	-
	mg/L	0619	02/14/2001	0001	AL		8700.000	#	5.89	-
	mg/L	0620	02/14/2001	0001	AL		7120.000	#	5.89	-
	mg/L	0624	02/14/2001	0001	AL		6870.000	#	5.89	-
	mg/L	0626	02/12/2001	0001	AL		3060.000	#	1.4725	-
	mg/L	0628	02/12/2001	0001	AL		2810.000	#	1.4725	-
	mg/L	0631	02/15/2001	0001	AL		2700.000	#	1.4725	-
	mg/L	0732	02/15/2001	0001	AL		496.000	#	0.0589	-
	mg/L	0734	02/13/2001	0001	AL		6740.000	L #	5.89	-
	mg/L	0735	02/13/2001	0001	AL		1770.000	#	1.4725	-
	mg/L	0736	02/13/2001	0001	AL		6090.000	#	5.89	-
	mg/L	0766	02/13/2001	0001	AL		24500.000	#	147.25	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0768	02/14/2001	0001	AL		12700.000	#	23.56	-
	mg/L	0773	02/15/2001	0001	AL		5590.000	#	5.89	-
	mg/L	0773	02/15/2001	0002	AL		5630.000	#	5.89	-
	mg/L	0775	02/14/2001	0001	AL		13300.000	L #	23.56	-
	mg/L	0779	02/13/2001	0001	AL		7410.000	#	5.89	-
	mg/L	0783	02/07/2001	0001	AL		243.000	#	0.0589	-
	mg/L	0850	02/06/2001	0001	AL	B	1430.000	#	0.2356	-
	mg/L	0853	02/14/2001	0001	AL		1500.000	#	0.2356	-
	mg/L	0854	02/13/2001	0001	AL		24000.000	L #	147.25	-
	mg/L	0855	02/13/2001	0001	AL		3540.000	#	1.4725	-
	mg/L	0855	02/13/2001	0002	AL		3540.000	#	1.4725	-
	mg/L	0857	02/13/2001	0001	AL		2230.000	#	1.4725	-
	mg/L	0860	02/15/2001	0001	KM		1990.000	#	5.89	-
	mg/L	1000	02/13/2001	0001	KM		1120.000	#	5.89	-
	mg/L	1001	02/15/2001	0001	KM		1060.000	#	5.89	-
	mg/L	1062	02/13/2001	0001	KM		6.620	B #	23.56	-
Temperature	C	0608	02/13/2001	N001	KM		6.9	#	-	-
	C	0610	02/13/2001	N001	AL		9.3	L #	-	-
	C	0614	02/13/2001	N001	AL		10.8	#	-	-
	C	0615	02/14/2001	N001	AL		10.6	#	-	-
	C	0616	02/13/2001	N001	AL		12.2	#	-	-
	C	0618	02/13/2001	N001	AL		13.7	#	-	-
	C	0619	02/14/2001	N001	AL		14.4	#	-	-
	C	0620	02/14/2001	N001	AL		12.4	#	-	-
	C	0621	02/14/2001	N001	AL		12	#	-	-
	C	0622	02/14/2001	N001	AL		9.7	#	-	-
	C	0623	02/14/2001	N001	AL		14	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0624	02/14/2001	N001	AL		14.7	#	-	-
	C	0625	02/14/2001	N001	AL		12	#	-	-
	C	0626	02/12/2001	N001	AL		10.4	#	-	-
	C	0628	02/12/2001	N001	AL		4.6	#	-	-
	C	0631	02/15/2001	N001	AL		14.4	#	-	-
	C	0732	02/15/2001	N001	AL		12.7	#	-	-
	C	0734	02/13/2001	N001	AL		5.8	L #	-	-
	C	0735	02/13/2001	N001	AL		8.3	#	-	-
	C	0736	02/13/2001	N001	AL		10.1	#	-	-
	C	0766	02/13/2001	N001	AL		9.8	#	-	-
	C	0768	02/14/2001	N001	AL		9.2	#	-	-
	C	0773	02/15/2001	N001	AL		9.2	#	-	-
	C	0775	02/14/2001	N001	AL		10.7	L #	-	-
	C	0779	02/13/2001	N001	AL		11.8	#	-	-
	C	0783	02/07/2001	N001	AL		8.6	#	-	-
	C	0850	02/06/2001	N001	AL	B	14.1	#	-	-
	C	0853	02/14/2001	N001	AL		11.5	#	-	-
	C	0854	02/13/2001	N001	AL		10.1	L #	-	-
	C	0855	02/13/2001	N001	AL		6.9	#	-	-
	C	0857	02/13/2001	N001	AL		14.4	#	-	-
C	0860	02/15/2001	N001	KM		14	#	-	-	
C	0862	02/22/2001	N001	KM		13.3	L #	-	-	
C	1000	02/13/2001	N001	KM		13.8	#	-	-	
C	1001	02/15/2001	N001	KM		13.9	#	-	-	
C	1062	02/13/2001	N001	KM		13.1	#	-	-	
Temperature of Zobell Soluti	C	0608	02/13/2001	N001	KM		14.2	#	-	-
	C	0610	02/13/2001	N001	AL		14.7	L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature of Zobell Soluti	C	0614	02/13/2001	N001	AL		14.7	#	-	-
	C	0615	02/14/2001	N001	AL		14.1	#	-	-
	C	0616	02/13/2001	N001	AL		11.8	#	-	-
	C	0618	02/13/2001	N001	AL		12.9	#	-	-
	C	0619	02/14/2001	N001	AL		12.8	#	-	-
	C	0620	02/14/2001	N001	AL		8.6	#	-	-
	C	0621	02/14/2001	N001	AL		11.5	#	-	-
	C	0622	02/14/2001	N001	AL		12.1	#	-	-
	C	0623	02/14/2001	N001	AL		11.5	#	-	-
	C	0624	02/14/2001	N001	AL		12.7	#	-	-
	C	0625	02/14/2001	N001	AL		12.7	#	-	-
	C	0626	02/12/2001	N001	AL		13.9	#	-	-
	C	0628	02/12/2001	N001	AL		13.9	#	-	-
	C	0631	02/15/2001	N001	AL		13.3	#	-	-
	C	0732	02/15/2001	N001	AL		13.3	#	-	-
	C	0734	02/13/2001	N001	AL		10	L #	-	-
	C	0735	02/13/2001	N001	AL		13.1	#	-	-
	C	0736	02/13/2001	N001	AL		10.8	#	-	-
	C	0766	02/13/2001	N001	AL		9.8	#	-	-
	C	0768	02/14/2001	N001	AL		14	#	-	-
	C	0773	02/15/2001	N001	AL		12.6	#	-	-
	C	0775	02/14/2001	N001	AL		13.5	L #	-	-
	C	0779	02/13/2001	N001	AL		10.1	#	-	-
	C	0783	02/07/2001	N001	AL		13.2	#	-	-
	C	0850	02/06/2001	N001	AL	B	12	#	-	-
	C	0853	02/14/2001	N001	AL		17.1	#	-	-
	C	0854	02/13/2001	N001	AL		10.8	L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature of Zobell Soluti	C	0855	02/13/2001	N001	AL		10	#	-	-
	C	0857	02/13/2001	N001	AL		8.9	#	-	-
	C	0860	02/15/2001	N001	KM		6.8	#	-	-
	C	0862	02/22/2001	N001	KM		14.2	L #	-	-
	C	1000	02/13/2001	N001	KM		14.7	#	-	-
	C	1001	02/15/2001	N001	KM		14.2	#	-	-
	C	1062	02/13/2001	N001	KM		13.1	#	-	-
Total Dissolved Solids	mg/L	0608	02/13/2001	0001	KM		17500	#	10	-
	mg/L	0610	02/13/2001	0001	AL		21000	L #	10	-
	mg/L	0614	02/13/2001	0001	AL		21400	#	10	-
	mg/L	0615	02/14/2001	0001	AL		28900	#	10	-
	mg/L	0616	02/13/2001	0001	AL		5000	#	10	-
	mg/L	0618	02/13/2001	0001	AL		9540	#	10	-
	mg/L	0619	02/14/2001	0001	AL		14800	#	10	-
	mg/L	0620	02/14/2001	0001	AL		12700	#	10	-
	mg/L	0624	02/14/2001	0001	AL		12300	#	10	-
	mg/L	0626	02/12/2001	0001	AL		5060	#	10	-
	mg/L	0628	02/12/2001	0001	AL		4470	#	10	-
	mg/L	0631	02/15/2001	0001	AL		4880	#	10	-
	mg/L	0732	02/15/2001	0001	AL		1060	#	10	-
	mg/L	0734	02/13/2001	0001	AL		11700	L #	10	-
	mg/L	0735	02/13/2001	0001	AL		3720	#	10	-
	mg/L	0736	02/13/2001	0001	AL		9850	#	10	-
	mg/L	0766	02/13/2001	0001	AL		39100	#	10	-
	mg/L	0768	02/14/2001	0001	AL		20100	#	10	-
	mg/L	0773	02/15/2001	0001	AL		10200	#	10	-
	mg/L	0773	02/15/2001	0002	AL		10200	#	10	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0775	02/14/2001	0001	AL		23000	L #	10	-
	mg/L	0779	02/13/2001	0001	AL		12600	#	10	-
	mg/L	0783	02/07/2001	0001	AL		550	#	10	-
	mg/L	0850	02/06/2001	0001	AL	B	2630	#	10	-
	mg/L	0853	02/14/2001	0001	AL		2440	#	10	-
	mg/L	0854	02/13/2001	0001	AL		41000	L #	10	-
	mg/L	0855	02/13/2001	0001	AL		5710	#	10	-
	mg/L	0855	02/13/2001	0002	AL		5720	#	10	-
	mg/L	0857	02/13/2001	0001	AL		3840	#	10	-
	mg/L	0860	02/15/2001	0001	KM		10600	#	10	-
	mg/L	1000	02/13/2001	0001	KM		10100	#	10	-
	mg/L	1001	02/15/2001	0001	KM		5130	#	10	-
	mg/L	1062	02/13/2001	0001	KM		13600	#	10	-
Turbidity	NTU	0608	02/13/2001	N001	KM		6.27	#	-	-
	NTU	0610	02/13/2001	N001	AL		9.84	L #	-	-
	NTU	0614	02/13/2001	N001	AL		1.31	#	-	-
	NTU	0615	02/14/2001	N001	AL		1000	#	-	-
	NTU	0616	02/13/2001	N001	AL		8.3	#	-	-
	NTU	0618	02/13/2001	N001	AL		15.5	#	-	-
	NTU	0619	02/14/2001	N001	AL		21.6	#	-	-
	NTU	0620	02/14/2001	N001	AL		2.78	#	-	-
	NTU	0621	02/14/2001	N001	AL		9.88	#	-	-
	NTU	0622	02/14/2001	N001	AL		8.24	#	-	-
	NTU	0623	02/14/2001	N001	AL		55.8	#	-	-
	NTU	0624	02/14/2001	N001	AL		6.15	#	-	-
	NTU	0625	02/14/2001	N001	AL		212	#	-	-
	NTU	0626	02/12/2001	N001	AL		3.48	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0618	02/13/2001	0001	AL		0.792	#	0.0001	-
	mg/L	0619	02/14/2001	0001	AL		0.847	#	0.0001	-
	mg/L	0620	02/14/2001	0001	AL		0.711	#	0.0001	-
	mg/L	0624	02/14/2001	0001	AL		0.824	#	0.0001	-
	mg/L	0626	02/12/2001	0001	AL		0.0788	#	0.0001	-
	mg/L	0628	02/12/2001	0001	AL		0.0297	#	0.0001	-
	mg/L	0631	02/15/2001	0001	AL		0.0165	#	0.0001	-
	mg/L	0732	02/15/2001	0001	AL		0.007	#	0.0001	-
	mg/L	0734	02/13/2001	0001	AL		0.131	L #	0.0001	-
	mg/L	0735	02/13/2001	0001	AL		0.0564	#	0.0001	-
	mg/L	0736	02/13/2001	0001	AL		0.322	#	0.0001	-
	mg/L	0766	02/13/2001	0001	AL		4.440	#	0.01	-
	mg/L	0768	02/14/2001	0001	AL		1.090	#	0.0025	-
	mg/L	0773	02/15/2001	0001	AL		0.885	#	0.0001	-
	mg/L	0773	02/15/2001	0002	AL		0.886	#	0.0001	-
	mg/L	0775	02/14/2001	0001	AL		2.500	L #	0.0025	-
	mg/L	0779	02/13/2001	0001	AL		0.924	#	0.0001	-
	mg/L	0783	02/07/2001	0001	AL		0.0109	#	0.0001	-
	mg/L	0850	02/06/2001	0001	AL	B	0.0195	#	0.0001	-
	mg/L	0853	02/14/2001	0001	AL		0.142	#	0.0001	-
	mg/L	0854	02/13/2001	0001	AL		3.910	L #	0.01	-
	mg/L	0855	02/13/2001	0001	AL		0.063	#	0.0001	-
	mg/L	0855	02/13/2001	0002	AL		0.0636	#	0.0001	-
	mg/L	0857	02/13/2001	0001	AL		0.238	#	0.0001	-
	mg/L	0860	02/15/2001	0001	KM		0.0111	#	0.0001	-
	mg/L	0862	02/22/2001	0001	KM		0.0059	E JL #	0.0001	-
	mg/L	1000	02/13/2001	0001	KM		0.0081	#	0.0001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	1001	02/15/2001	0001	KM		0.0128	#	0.0001	-
	mg/L	1062	02/13/2001	0001	KM		0.0019	#	0.0001	-
Uranium-234	pCi/L	0610	02/13/2001	0001	AL		729 + 707 = 1,436	L #	32	±
	pCi/L	0614	02/13/2001	0001	AL		745 + 708 = 1,453	#	32	±
	pCi/L	0615	02/14/2001	0001	AL		1030 + 994 = 2,024	#	32	±
	pCi/L	0618	02/13/2001	0001	AL		299 + 289 = 588	#	0.32	±
	pCi/L	0619	02/14/2001	0001	AL		337 + 313 = 650	#	0.32	±
	pCi/L	0620	02/14/2001	0001	AL		301 + 267 = 568	#	0.32	±
	pCi/L	0624	02/14/2001	0001	AL		324 + 298 = 622	#	0.32	±
	pCi/L	0628	02/12/2001	0001	AL		12.5	U #	0.32	±
	pCi/L	0631	02/15/2001	0001	AL		11.2	U #	0.32	±
	pCi/L	0732	02/15/2001	0001	AL		5.5	U #	0.32	±
	pCi/L	0734	02/13/2001	0001	AL		65.9 + 47.9 = 114	L #	0.32	±
	pCi/L	0735	02/13/2001	0001	AL		29.9 + 22.3 = 52.2	#	0.32	±
	pCi/L	0736	02/13/2001	0001	AL		137 + 114 = 251	#	0.32	±
	pCi/L	0850	02/06/2001	0001	AL	B	10.6	#	0.32	±
	pCi/L	0853	02/14/2001	0001	AL		61.5 + 50 = 112	#	0.32	±
	pCi/L	0854	02/13/2001	0001	AL		1520 + 1330 = 2850	L #	32	±
	pCi/L	0855	02/13/2001	0001	AL		25.1 + 25 = 50.1	#	0.32	±
	pCi/L	0855	02/13/2001	0002	AL		24.5 + 25.6 = 50.1	#	0.32	±
	pCi/L	0857	02/13/2001	0001	AL		96.5 + 85.3 = 181.8	#	0.32	±
	pCi/L	0860	02/15/2001	0001	KM		9.4	U #	0.32	±
pCi/L	1062	02/13/2001	0001	KM		7.4	U #	0.32	±	
Uranium-238	pCi/L	0610	02/13/2001	0001	AL		707	L #	62.5	±
	pCi/L	0614	02/13/2001	0001	AL		708	#	62.5	±
	pCi/L	0615	02/14/2001	0001	AL		994	#	62.5	±
	pCi/L	0618	02/13/2001	0001	AL		289	#	10	±

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Uranium-238	pCi/L	0619	02/14/2001	0001	AL		313	#	10	±
	pCi/L	0620	02/14/2001	0001	AL		267	#	10	±
	pCi/L	0624	02/14/2001	0001	AL		298	#	10	±
	pCi/L	0628	02/12/2001	0001	AL		12.4	E #	0.1	±
	pCi/L	0631	02/15/2001	0001	AL		6.6	#	0.1	±
	pCi/L	0732	02/15/2001	0001	AL		3.1	#	0.1	±
	pCi/L	0734	02/13/2001	0001	AL		47.9	L #	0.4	±
	pCi/L	0735	02/13/2001	0001	AL		22.3	#	0.1	±
	pCi/L	0736	02/13/2001	0001	AL		114	#	2.5	±
	pCi/L	0850	02/06/2001	0001	AL	B	9.6	E #	0.1	±
	pCi/L	0853	02/14/2001	0001	AL		50	#	0.4	±
	pCi/L	0854	02/13/2001	0001	AL		1330	L #	62.5	±
	pCi/L	0855	02/13/2001	0001	AL		25	#	0.1	±
	pCi/L	0855	02/13/2001	0002	AL		25.6	#	0.1	±
	pCi/L	0857	02/13/2001	0001	AL		85.3	#	2.5	±
	pCi/L	0860	02/15/2001	0001	KM		3.9	#	0.1	±
	pCi/L	1062	02/13/2001	0001	KM		0.72	B #	0.1	±

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:19 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA 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 #2/1/2001# and #3/31/2001#

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 compound (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.
- J Estimated

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: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
			DATE	ID				LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	0600	02/15/2001	0001	KM		1303	L	#		-	-
	mg/L	0600	02/15/2001	N001	KM		1251	L	#		-	-
	mg/L	0602	02/12/2001	0001	KM		2154		#		-	-
	mg/L	0602	02/12/2001	N001	KM		2070		#		-	-
	mg/L	0603	02/13/2001	0001	AL		256		#		-	-
	mg/L	0603	02/13/2001	N001	AL		250		#		-	-
	mg/L	0604	02/08/2001	0001	KM		917	L	#		-	-
	mg/L	0604	02/08/2001	N001	KM		1001	L	#		-	-
	mg/L	0648	02/08/2001	0001	JU		53		#		-	-
	mg/L	0648	02/08/2001	N001	JU		59		#		-	-
	mg/L	0725	02/14/2001	0001	AL		154		#		-	-
	mg/L	0725	02/14/2001	N001	AL		196		#		-	-
	mg/L	0726	02/13/2001	0001	KM		218		#		-	-
	mg/L	0726	02/13/2001	N001	KM		260		#		-	-
	mg/L	0727	02/09/2001	0001	KM		1430	L	#		-	-
	mg/L	0727	02/09/2001	N001	KM		1470	L	#		-	-
	mg/L	0728	02/07/2001	0001	AL		160		#		-	-
	mg/L	0728	02/07/2001	N001	AL		160		#		-	-
	mg/L	0730	02/14/2001	0001	AL		12	L	#		-	-
	mg/L	0730	02/14/2001	N001	AL		8	L	#		-	-
	mg/L	0812	02/07/2001	0001	AL		760	L	#		-	-
	mg/L	0812	02/07/2001	N001	AL		792	L	#		-	-
	mg/L	0813	02/07/2001	0001	AL		1150		#		-	-
	mg/L	0813	02/07/2001	N001	AL		1155		#		-	-
	mg/L	0814	02/07/2001	0001	AL		1115		#		-	-
	mg/L	0814	02/07/2001	N001	AL		1120		#		-	-
	mg/L	0815	02/08/2001	0001	AL		1326		#		-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:		DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA QA		
Alkalinity as CaCO3	mg/L	0815	02/08/2001	N001	AL		1370		#	-	-
	mg/L	0816	02/09/2001	0001	AL		294		#	-	-
	mg/L	0816	02/09/2001	N001	AL		374		#	-	-
	mg/L	0818	02/08/2001	0001	AL		644		#	-	-
	mg/L	0818	02/08/2001	N001	AL		644		#	-	-
	mg/L	0819	02/12/2001	0001	KM		1773	L	#	-	-
	mg/L	0819	02/12/2001	N001	KM		1753	L	#	-	-
	mg/L	0826	02/13/2001	0001	AL		1670	L	#	-	-
	mg/L	0826	02/13/2001	N001	AL		1700	L	#	-	-
	mg/L	0827	02/15/2001	0001	AL		1188		#	-	-
	mg/L	0828	02/13/2001	0001	AL		550		#	-	-
	mg/L	0828	02/13/2001	N001	AL		690		#	-	-
	mg/L	0830	02/13/2001	0001	KM		25		#	-	-
	mg/L	0830	02/13/2001	N001	KM		125		#	-	-
	mg/L	0832	02/07/2001	0001	AL		224		#	-	-
	mg/L	0832	02/07/2001	N001	AL		248		#	-	-
	mg/L	0833	02/07/2001	0001	AL		332		#	-	-
	mg/L	0833	02/07/2001	N001	AL		334		#	-	-
	mg/L	0835	02/07/2001	0001	AL		247		#	-	-
	mg/L	0835	02/07/2001	N001	AL		263		#	-	-
	mg/L	0836	02/05/2001	0001	AL		336		#	-	-
	mg/L	0836	02/05/2001	N001	AL		371		#	-	-
	mg/L	0837	02/05/2001	0001	AL		462		#	-	-
	mg/L	0837	02/05/2001	N001	AL		448		#	-	-
	mg/L	0838	02/06/2001	0001	AL		227		#	-	-
	mg/L	0838	02/06/2001	N001	AL		230		#	-	-
	mg/L	0839	02/08/2001	0001	AL		802	L	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0839	02/08/2001	N001	AL		742	L #	-	-
	mg/L	0841	02/07/2001	0001	AL		880	#	-	-
	mg/L	0841	02/07/2001	N001	AL		692	#	-	-
	mg/L	0843	02/05/2001	0001	AL		382	#	-	-
	mg/L	0843	02/05/2001	N001	AL		397	#	-	-
	mg/L	0844	02/06/2001	0001	AL		286	#	-	-
	mg/L	0844	02/06/2001	N001	AL		276	#	-	-
	mg/L	0846	02/06/2001	0001	AL		221	#	-	-
	mg/L	0846	02/06/2001	N001	AL		241	#	-	-
	mg/L	0847	02/06/2001	0001	AL		319	#	-	-
	mg/L	0847	02/06/2001	N001	AL		319	#	-	-
	mg/L	0848	02/06/2001	0001	AL		417	#	-	-
	mg/L	0848	02/06/2001	N001	AL		433	#	-	-
	mg/L	1002	02/15/2001	0001	KM		259	#	-	-
	mg/L	1002	02/15/2001	N001	KM		1512	#	-	-
	mg/L	1007	02/13/2001	0001	AL		1265	#	-	-
	mg/L	1007	02/13/2001	N001	AL		1175	#	-	-
	mg/L	1049	02/09/2001	0001	AL		567	#	-	-
	mg/L	1049	02/09/2001	N001	AL		570	#	-	-
	mg/L	1057	02/13/2001	0001	AL		624	#	-	-
	mg/L	1057	02/13/2001	N001	AL		566	#	-	-
	mg/L	1058	02/14/2001	0001	KM		248	#	-	-
	mg/L	1059	02/14/2001	0001	KM		864	#	-	-
	mg/L	1059	02/14/2001	N001	KM		722	#	-	-
mg/L	1060	02/06/2001	0001	AL		457	#	-	-	
mg/L	1060	02/06/2001	N001	AL		573	#	-	-	
Ammonium	mg/L	0600	02/15/2001	0001	KM		211.000	L #	0.0047	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)

REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Ammonium	mg/L	0600	02/15/2001	0002	KM		205.000	L #	0.0047	-
	mg/L	0602	02/12/2001	0001	KM		571.000	#	0.0047	-
	mg/L	0603	02/13/2001	0001	AL		1690.000	#	0.0047	-
	mg/L	0604	02/08/2001	0001	KM		0.0291	B L #	0.0047	-
	mg/L	0648	02/08/2001	0001	JU		0.653	#	0.0047	-
	mg/L	0725	02/14/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0726	02/13/2001	0001	KM		0.0113	B #	0.0047	-
	mg/L	0727	02/09/2001	0001	KM		53.700	L #	0.0047	-
	mg/L	0728	02/07/2001	0001	AL		25.200	#	0.0047	-
	mg/L	0730	02/14/2001	0001	AL		214.000	L #	0.0047	-
	mg/L	0812	02/07/2001	0001	AL		0.021	B L #	0.0047	-
	mg/L	0813	02/07/2001	0001	AL		56.600	#	0.0047	-
	mg/L	0814	02/07/2001	0001	AL		46.700	#	0.0047	-
	mg/L	0815	02/08/2001	0001	AL		0.118	#	0.0047	-
	mg/L	0816	02/09/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0818	02/08/2001	0001	AL		312.000	#	0.0047	-
	mg/L	0819	02/12/2001	0001	KM		570.000	L #	0.0047	-
	mg/L	0820	02/15/2001	0001	KM		0.234	L #	0.0047	-
	mg/L	0823	02/15/2001	0001	KM		4.440	L #	0.0047	-
	mg/L	0824	02/15/2001	0001	KM		26.300	L #	0.0047	-
	mg/L	0826	02/13/2001	0001	AL		119.000	L #	0.0047	-
	mg/L	0827	02/15/2001	0001	AL		4.720	#	0.0047	-
	mg/L	0828	02/13/2001	0001	AL		6.900	#	0.0047	-
	mg/L	0830	02/13/2001	0001	KM		36.100	#	0.0047	-
	mg/L	0832	02/07/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0833	02/07/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0835	02/07/2001	0001	AL		0.0047	U #	0.0047	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Ammonium	mg/L	0836	02/05/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0837	02/05/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0838	02/06/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0839	02/08/2001	0001	AL		114.000	L #	0.0047	-
	mg/L	0841	02/07/2001	0001	AL		1.700	#	0.0047	-
	mg/L	0843	02/05/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0844	02/06/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0846	02/06/2001	0001	AL		0.0047	U #	0.0047	-
	mg/L	0847	02/06/2001	0001	AL		0.131	#	0.0047	-
	mg/L	0847	02/06/2001	0002	AL		0.149	#	0.0047	-
	mg/L	0848	02/06/2001	0001	AL		1.120	#	0.0047	-
	mg/L	1002	02/15/2001	0001	KM		3.180	#	0.0047	-
	mg/L	1003	02/15/2001	0001	KM		3.580	#	0.0047	-
	mg/L	1007	02/13/2001	0001	AL		42.100	#	0.0047	-
	mg/L	1049	02/09/2001	0001	AL		0.0197	B #	0.0047	-
	mg/L	1057	02/13/2001	0001	AL		2170.000	#	0.0047	-
	mg/L	1058	02/14/2001	0001	KM		3.300	#	0.0047	-
	mg/L	1059	02/14/2001	0001	KM		11.300	#	0.0047	-
mg/L	1060	02/06/2001	0001	AL		0.235	#	0.0047	-	
Calcium	mg/L	0600	02/15/2001	0001	KM		393.000	L #	0.0757	-
	mg/L	0600	02/15/2001	0002	KM		392.000	L #	0.0757	-
	mg/L	0602	02/12/2001	0001	KM		450.000	#	0.0757	-
	mg/L	0603	02/13/2001	0001	AL		476.000	#	1.8925	-
	mg/L	0604	02/08/2001	0001	KM		623.000	L #	1.8925	-
	mg/L	0648	02/08/2001	0001	JU		110.000	#	0.0757	-
	mg/L	0725	02/14/2001	0001	AL		396.000	#	0.0757	-
	mg/L	0726	02/13/2001	0001	KM		331.000	#	0.0757	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Calcium	mg/L	0727	02/09/2001	0001	KM		446.000	L	#		0.0757	-
	mg/L	0728	02/07/2001	0001	AL		498.000		#		1.8925	-
	mg/L	0730	02/14/2001	0001	AL		485.000	L	#		0.0757	-
	mg/L	0812	02/07/2001	0001	AL		474.000	L	#		0.0757	-
	mg/L	0813	02/07/2001	0001	AL		506.000		#		1.8925	-
	mg/L	0814	02/07/2001	0001	AL		476.000		#		0.0757	-
	mg/L	0815	02/08/2001	0001	AL		457.000		#		0.0757	-
	mg/L	0816	02/09/2001	0001	AL		256.000		#		0.0757	-
	mg/L	0818	02/08/2001	0001	AL		620.000		#		1.8925	-
	mg/L	0819	02/12/2001	0001	KM		457.000	L	#		0.0757	-
	mg/L	0820	02/15/2001	0001	KM		215.000	L	#		0.0757	-
	mg/L	0823	02/15/2001	0001	KM		105.000	L	#		0.0757	-
	mg/L	0824	02/15/2001	0001	KM		279.000	L	#		0.0757	-
	mg/L	0826	02/13/2001	0001	AL		448.000	L	#		0.0757	-
	mg/L	0827	02/15/2001	0001	AL		454.000		#		0.0757	-
	mg/L	0828	02/13/2001	0001	AL		376.000		#		0.0757	-
	mg/L	0830	02/13/2001	0001	KM		515.000		#		1.8925	-
	mg/L	0832	02/07/2001	0001	AL		490.000		#		0.0757	-
	mg/L	0833	02/07/2001	0001	AL		570.000		#		1.8925	-
	mg/L	0835	02/07/2001	0001	AL		577.000		#		1.8925	-
	mg/L	0836	02/05/2001	0001	AL		511.000		#		1.8925	-
	mg/L	0837	02/05/2001	0001	AL		356.000		#		0.0757	-
	mg/L	0838	02/06/2001	0001	AL		482.000		#		0.0757	-
	mg/L	0839	02/08/2001	0001	AL		468.000	L	#		0.0757	-
	mg/L	0841	02/07/2001	0001	AL		434.000		#		0.0757	-
	mg/L	0843	02/05/2001	0001	AL		570.000		#		1.8925	-
	mg/L	0844	02/06/2001	0001	AL		464.000		#		0.0757	-

GROUND WATER QUALITY DATA BY PARAMETER.(USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Calcium	mg/L	0846	02/06/2001	0001	AL		495.000	#	1.8925	-
	mg/L	0847	02/06/2001	0001	AL		527.000	#	1.8925	-
	mg/L	0847	02/06/2001	0002	AL		524.000	#	1.8925	-
	mg/L	0848	02/06/2001	0001	AL		519.000	#	1.8925	-
	mg/L	1002	02/15/2001	0001	KM		15.900	#	0.0757	-
	mg/L	1003	02/15/2001	0001	KM		53.100	#	0.0757	-
	mg/L	1004	02/15/2001	0001	KM		54.700	#	0.0757	-
	mg/L	1007	02/13/2001	0001	AL		427.000	#	0.0757	-
	mg/L	1049	02/09/2001	0001	AL		408.000	#	0.0757	-
	mg/L	1057	02/13/2001	0001	AL		481.000	#	0.0757	-
	mg/L	1058	02/14/2001	0001	KM		68.600	#	0.0757	-
	mg/L	1059	02/14/2001	0001	KM		368.000	#	0.0757	-
	mg/L	1060	02/06/2001	0001	AL		415.000	#	0.0757	-
	mg/L	DM7	02/22/2001	0001	KM		428.000	#	0.0757	-
Chloride	mg/L	0600	02/15/2001	0001	KM		292.000	L #	9.6	-
	mg/L	0600	02/15/2001	0002	KM		291.000	L #	9.6	-
	mg/L	0602	02/12/2001	0001	KM		652.000	#	9.6	-
	mg/L	0603	02/13/2001	0001	AL		212.000	#	2.4	-
	mg/L	0604	02/08/2001	0001	KM		3170.000	L #	9.6	-
	mg/L	0648	02/08/2001	0001	JU		55.500	#	0.6	-
	mg/L	0725	02/14/2001	0001	AL		65.500	#	0.6	-
	mg/L	0726	02/13/2001	0001	KM		68.700	#	0.6	-
	mg/L	0727	02/09/2001	0001	KM		375.000	L #	2.4	-
	mg/L	0728	02/07/2001	0001	AL		36.800	#	0.6	-
	mg/L	0730	02/14/2001	0001	AL		19.200	L #	0.6	-
	mg/L	0812	02/07/2001	0001	AL		2310.000	L #	9.6	-
	mg/L	0813	02/07/2001	0001	AL		675.000	#	9.6	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0814	02/07/2001	0001	AL		1020.000	#	9.6	-
	mg/L	0815	02/08/2001	0001	AL		809.000	#	9.6	-
	mg/L	0816	02/09/2001	0001	AL		119.000	#	0.6	-
	mg/L	0818	02/08/2001	0001	AL		776.000	#	9.6	-
	mg/L	0819	02/12/2001	0001	KM		771.000	L #	9.6	-
	mg/L	0820	02/15/2001	0001	KM		5470.000	L #	9.6	-
	mg/L	0824	02/15/2001	0001	KM		6510.000	L #	9.6	-
	mg/L	0826	02/13/2001	0001	AL		682.000	L #	9.6	-
	mg/L	0827	02/15/2001	0001	AL		313.000	#	2.4	-
	mg/L	0828	02/13/2001	0001	AL		163.000	#	0.6	-
	mg/L	0830	02/13/2001	0001	KM		53.200	#	0.096	-
	mg/L	0832	02/07/2001	0001	AL		418.000	#	2.4	-
	mg/L	0833	02/07/2001	0001	AL		292.000	#	0.6	-
	mg/L	0835	02/07/2001	0001	AL		68.200	U #	0.096	-
	mg/L	0836	02/05/2001	0001	AL		37.600	#	0.096	-
	mg/L	0837	02/05/2001	0001	AL		16.500	#	0.096	-
	mg/L	0838	02/06/2001	0001	AL		21.400	#	0.096	-
	mg/L	0839	02/08/2001	0001	AL		445.000	L #	2.4	-
	mg/L	0841	02/07/2001	0001	AL		822.000	#	9.6	-
	mg/L	0843	02/05/2001	0001	AL		29.000	#	0.096	-
	mg/L	0844	02/06/2001	0001	AL		117.000	#	0.6	-
	mg/L	0846	02/06/2001	0001	AL		103.000	#	0.6	-
	mg/L	0847	02/06/2001	0001	AL		17.200	#	0.096	-
	mg/L	0847	02/06/2001	0002	AL		17.500	#	0.096	-
	mg/L	0848	02/06/2001	0001	AL		298.000	#	0.6	-
	mg/L	1002	02/15/2001	0001	KM		2260.000	#	0.6	-
	mg/L	1003	02/15/2001	0001	KM		2280.000	#	2.4	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	1007	02/13/2001	0001	AL		367.000	#	9.6	-
	mg/L	1049	02/09/2001	0001	AL		1280.000	#	9.6	-
	mg/L	1057	02/13/2001	0001	AL		551.000	#	9.6	-
	mg/L	1058	02/14/2001	0001	KM		431.000	#	0.6	-
	mg/L	1059	02/14/2001	0001	KM		619.000	#	2.4	-
	mg/L	1060	02/06/2001	0001	AL		404.000	#	2.4	-
Magnesium	mg/L	0600	02/15/2001	0001	KM		604.000	L #	0.52	-
	mg/L	0600	02/15/2001	0002	KM		608.000	L #	0.52	-
	mg/L	0602	02/12/2001	0001	KM		2470.000	#	0.52	-
	mg/L	0603	02/13/2001	0001	AL		668.000	#	0.52	-
	mg/L	0604	02/08/2001	0001	KM		1260.000	L #	0.52	-
	mg/L	0648	02/08/2001	0001	JU		13.900	#	0.0052	-
	mg/L	0725	02/14/2001	0001	AL		94.400	#	0.0052	-
	mg/L	0726	02/13/2001	0001	KM		224.000	#	0.0052	-
	mg/L	0727	02/09/2001	0001	KM		1990.000	L #	0.52	-
	mg/L	0728	02/07/2001	0001	AL		367.000	#	0.0052	-
	mg/L	0730	02/14/2001	0001	AL		173.000	L #	0.0052	-
	mg/L	0812	02/07/2001	0001	AL		2090.000	L #	0.52	-
	mg/L	0813	02/07/2001	0001	AL		2630.000	#	0.52	-
	mg/L	0814	02/07/2001	0001	AL		2410.000	#	0.52	-
	mg/L	0815	02/08/2001	0001	AL		2420.000	#	0.52	-
	mg/L	0816	02/09/2001	0001	AL		330.000	#	0.0052	-
	mg/L	0818	02/08/2001	0001	AL		2590.000	#	0.52	-
	mg/L	0819	02/12/2001	0001	KM		1670.000	L #	0.52	-
	mg/L	0820	02/15/2001	0001	KM		82.700	L #	0.0052	-
	mg/L	0823	02/15/2001	0001	KM		53.400	L #	0.0052	-
mg/L	0824	02/15/2001	0001	KM		101.000	L #	0.0052	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0826	02/13/2001	0001	AL		2330.000	L #	0.52	-
	mg/L	0827	02/15/2001	0001	AL		848.000	#	0.52	-
	mg/L	0828	02/13/2001	0001	AL		495.000	#	0.0052	-
	mg/L	0830	02/13/2001	0001	KM		53.300	#	0.0052	-
	mg/L	0832	02/07/2001	0001	AL		547.000	#	0.52	-
	mg/L	0833	02/07/2001	0001	AL		781.000	#	0.52	-
	mg/L	0835	02/07/2001	0001	AL		155.000	#	0.0052	-
	mg/L	0836	02/05/2001	0001	AL		261.000	#	0.0052	-
	mg/L	0837	02/05/2001	0001	AL		126.000	#	0.0052	-
	mg/L	0838	02/06/2001	0001	AL		131.000	#	0.0052	-
	mg/L	0839	02/08/2001	0001	AL		1870.000	L #	0.52	-
	mg/L	0841	02/07/2001	0001	AL		897.000	#	0.52	-
	mg/L	0843	02/05/2001	0001	AL		215.000	#	0.0052	-
	mg/L	0844	02/06/2001	0001	AL		480.000	#	0.52	-
	mg/L	0846	02/06/2001	0001	AL		221.000	#	0.0052	-
	mg/L	0847	02/06/2001	0001	AL		106.000	#	0.0052	-
	mg/L	0847	02/06/2001	0002	AL		106.000	#	0.0052	-
	mg/L	0848	02/06/2001	0001	AL		539.000	#	0.52	-
	mg/L	1002	02/15/2001	0001	KM		5.680	#	0.0052	-
	mg/L	1003	02/15/2001	0001	KM		14.800	#	0.0052	-
	mg/L	1004	02/15/2001	0001	KM		17.700	#	0.0052	-
	mg/L	1007	02/13/2001	0001	AL		1650.000	#	0.52	-
	mg/L	1049	02/09/2001	0001	AL		976.000	#	0.52	-
	mg/L	1057	02/13/2001	0001	AL		2270.000	#	0.52	-
	mg/L	1058	02/14/2001	0001	KM		58.200	#	0.0052	-
	mg/L	1059	02/14/2001	0001	KM		460.000	#	0.0052	-
	mg/L	1060	02/06/2001	0001	AL		729.000	#	0.52	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	DM7	02/22/2001	0001	KM		345.000	#	0.0052	-
Manganese	mg/L	0600	02/15/2001	0001	KM		1.090	L #	0.0002	-
	mg/L	0600	02/15/2001	0002	KM		1.050	L #	0.0002	-
	mg/L	0602	02/12/2001	0001	KM		2.210	#	0.0002	-
	mg/L	0603	02/13/2001	0001	AL		23.800	#	0.005	-
	mg/L	0604	02/08/2001	0001	KM		0.820	L #	0.0002	-
	mg/L	0648	02/08/2001	0001	JU		0.0923	#	0.0002	-
	mg/L	0725	02/14/2001	0001	AL		0.0458	#	0.0002	-
	mg/L	0726	02/13/2001	0001	KM		0.0418	#	0.0002	-
	mg/L	0727	02/09/2001	0001	KM		1.540	L #	0.0002	-
	mg/L	0728	02/07/2001	0001	AL		0.461	#	0.0002	-
	mg/L	0730	02/14/2001	0001	AL		22.600	L #	0.005	-
	mg/L	0812	02/07/2001	0001	AL		0.0864	L #	0.0002	-
	mg/L	0813	02/07/2001	0001	AL		0.364	#	0.0002	-
	mg/L	0814	02/07/2001	0001	AL		1.520	#	0.0002	-
	mg/L	0815	02/08/2001	0001	AL		1.460	#	0.0002	-
	mg/L	0816	02/09/2001	0001	AL		0.0002	U #	0.0002	-
	mg/L	0818	02/08/2001	0001	AL		0.736	#	0.0002	-
	mg/L	0819	02/12/2001	0001	KM		2.130	L #	0.0002	-
	mg/L	0820	02/15/2001	0001	KM		0.184	L #	0.0002	-
	mg/L	0823	02/15/2001	0001	KM		0.121	L #	0.0002	-
mg/L	0824	02/15/2001	0001	KM		0.939	L #	0.0002	-	
mg/L	0826	02/13/2001	0001	AL		2.860	L #	0.0002	-	
mg/L	0827	02/15/2001	0001	AL		0.395	#	0.0002	-	
mg/L	0828	02/13/2001	0001	AL		0.164	#	0.0002	-	
mg/L	0830	02/13/2001	0001	KM		3.690	#	0.0002	-	
mg/L	0832	02/07/2001	0001	AL		0.0002	U #	0.0002	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Manganese	mg/L	0833	02/07/2001	0001	AL		0.0012	B #	0.0002	-
	mg/L	0835	02/07/2001	0001	AL		0.00078	B #	0.0002	-
	mg/L	0836	02/05/2001	0001	AL		1.770	#	0.0002	-
	mg/L	0837	02/05/2001	0001	AL		2.240	#	0.0002	-
	mg/L	0838	02/06/2001	0001	AL		0.00035	B #	0.0002	-
	mg/L	0839	02/08/2001	0001	AL		0.803	L #	0.0002	-
	mg/L	0841	02/07/2001	0001	AL		0.0646	#	0.0002	-
	mg/L	0843	02/05/2001	0001	AL		3.730	#	0.0002	-
	mg/L	0844	02/06/2001	0001	AL		0.0702	#	0.0002	-
	mg/L	0846	02/06/2001	0001	AL		0.00085	B #	0.0002	-
	mg/L	0847	02/06/2001	0001	AL		0.0168	#	0.0002	-
	mg/L	0847	02/06/2001	0002	AL		0.0173	#	0.0002	-
	mg/L	0848	02/06/2001	0001	AL		0.330	#	0.0002	-
	mg/L	1002	02/15/2001	0001	KM		0.013	#	0.0002	-
	mg/L	1003	02/15/2001	0001	KM		0.265	#	0.0002	-
	mg/L	1004	02/15/2001	0001	KM		0.594	#	0.0002	-
	mg/L	1007	02/13/2001	0001	AL		1.670	#	0.0002	-
	mg/L	1049	02/09/2001	0001	AL		0.00053	B #	0.0002	-
	mg/L	1057	02/13/2001	0001	AL		10.700	#	0.005	-
	mg/L	1058	02/14/2001	0001	KM		0.065	#	0.0002	-
mg/L	1059	02/14/2001	0001	KM		0.261	#	0.0002	-	
mg/L	1060	02/06/2001	0001	AL		0.329	#	0.0002	-	
mg/L	DM7	02/22/2001	0001	KM		0.498	#	0.0002	-	
Nitrate	mg/L	0600	02/15/2001	0001	KM		559.000	L #	3.14	-
	mg/L	0600	02/15/2001	0002	KM		561.000	L #	3.14	-
	mg/L	0602	02/12/2001	0001	KM		120.000	#	0.1256	-
	mg/L	0603	02/13/2001	0001	AL		4210.000	#	78.5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)

REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Nitrate	mg/L	0604	02/08/2001	0001	KM		5220.000	L #	314	-
	mg/L	0648	02/08/2001	0001	JU		0.426	B #	0.0314	-
	mg/L	0725	02/14/2001	0001	AL		9.830	#	0.0314	-
	mg/L	0726	02/13/2001	0001	KM		13.300	#	0.0314	-
	mg/L	0727	02/09/2001	0001	KM		2060.000	L #	12.56	-
	mg/L	0728	02/07/2001	0001	AL		197.000	#	0.1256	-
	mg/L	0730	02/14/2001	0001	AL		680.000	L #	3.14	-
	mg/L	0812	02/07/2001	0001	AL		5850.000	L #	314	-
	mg/L	0813	02/07/2001	0001	AL		5840.000	#	314	-
	mg/L	0814	02/07/2001	0001	AL		4100.000	#	78.5	-
	mg/L	0815	02/08/2001	0001	AL		3010.000	#	78.5	-
	mg/L	0816	02/09/2001	0001	AL		242.000	#	0.785	-
	mg/L	0818	02/08/2001	0001	AL		10100.000	#	1256	-
	mg/L	0819	02/12/2001	0001	KM		105.000	L #	0.0314	-
	mg/L	0820	02/15/2001	0001	KM		342.000	L #	0.785	-
	mg/L	0823	02/15/2001	0001	KM		263.000	L #	0.785	-
	mg/L	0824	02/15/2001	0001	KM		76.000	L #	0.0314	-
	mg/L	0826	02/13/2001	0001	AL		101.000	L #	0.1256	-
	mg/L	0827	02/15/2001	0001	AL		262.000	#	0.785	-
	mg/L	0828	02/13/2001	0001	AL		124.000	#	0.1256	-
	mg/L	0830	02/13/2001	0001	KM		308.000	#	0.785	-
	mg/L	0832	02/07/2001	0001	AL		1290.000	#	12.56	-
	mg/L	0833	02/07/2001	0001	AL		1100.000	#	12.56	-
	mg/L	0835	02/07/2001	0001	AL		224.000	#	0.785	-
	mg/L	0836	02/05/2001	0001	AL		84.100	#	0.0314	-
	mg/L	0837	02/05/2001	0001	AL		4.510	#	0.0314	-
	mg/L	0838	02/06/2001	0001	AL		11.200	#	0.0314	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Nitrate	mg/L	0839	02/08/2001	0001	AL		2390.000	L #	78.5	-
	mg/L	0841	02/07/2001	0001	AL		2390.000	#	78.5	-
	mg/L	0843	02/05/2001	0001	AL		0.315	B #	0.0314	-
	mg/L	0844	02/06/2001	0001	AL		340.000	#	0.785	-
	mg/L	0846	02/06/2001	0001	AL		419.000	#	0.785	-
	mg/L	0847	02/06/2001	0001	AL		21.800	#	0.0314	-
	mg/L	0847	02/06/2001	0002	AL		21.800	#	0.0314	-
	mg/L	0848	02/06/2001	0001	AL		973.000	#	12.56	-
	mg/L	1002	02/15/2001	0001	KM		1.250	#	0.0314	-
	mg/L	1003	02/15/2001	0001	KM		1.640	#	0.0314	-
	mg/L	1007	02/13/2001	0001	AL		1360.000	#	12.56	-
	mg/L	1049	02/09/2001	0001	AL		3040.000	#	78.5	-
	mg/L	1057	02/13/2001	0001	AL		4830.000	#	78.5	-
	mg/L	1058	02/14/2001	0001	KM		32.300	#	0.0314	-
	mg/L	1059	02/14/2001	0001	KM		1450.000	#	12.56	-
mg/L	1060	02/06/2001	0001	AL		1510.000	#	12.56	-	
ORP of Zobell Solution	mV	0600	02/15/2001	N001	KM		241	L #	-	-
	mV	0602	02/12/2001	N001	KM		235	#	-	-
	mV	0603	02/13/2001	N001	AL		243	#	-	-
	mV	0604	02/08/2001	N001	KM		238	L #	-	-
	mV	0648	02/08/2001	N001	JU		221	#	-	-
	mV	0725	02/14/2001	N001	AL		244	#	-	-
	mV	0726	02/13/2001	N001	KM		235	#	-	-
	mV	0727	02/09/2001	N001	KM		238	L #	-	-
	mV	0728	02/07/2001	N001	AL		234	#	-	-
	mV	0730	02/14/2001	N001	AL		247	L #	-	-
	mV	0812	02/07/2001	N001	AL		233	L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
ORP of Zobell Solution	mV	0813	02/07/2001	N001	AL		233	#	-	-
	mV	0814	02/07/2001	N001	AL		233	#	-	-
	mV	0815	02/08/2001	N001	AL		257	#	-	-
	mV	0816	02/09/2001	N001	AL		238	#	-	-
	mV	0818	02/08/2001	N001	AL		240	#	-	-
	mV	0819	02/12/2001	N001	KM		236	L #	-	-
	mV	0820	02/15/2001	N001	KM		230	L #	-	-
	mV	0823	02/15/2001	N001	KM		244	L #	-	-
	mV	0824	02/15/2001	N001	KM		244	L #	-	-
	mV	0826	02/13/2001	N001	AL		236	L #	-	-
	mV	0827	02/15/2001	N001	AL		226	#	-	-
	mV	0828	02/13/2001	N001	AL		236	#	-	-
	mV	0830	02/13/2001	N001	KM		243	#	-	-
	mV	0832	02/07/2001	N001	AL		239	#	-	-
	mV	0833	02/07/2001	N001	AL		239	#	-	-
	mV	0835	02/07/2001	N001	AL		233	#	-	-
	mV	0836	02/05/2001	N001	AL		233	#	-	-
	mV	0837	02/05/2001	N001	AL		233	#	-	-
	mV	0838	02/06/2001	N001	AL		232	#	-	-
	mV	0839	02/08/2001	N001	AL		257	L #	-	-
	mV	0841	02/07/2001	N001	AL		236	#	-	-
	mV	0843	02/05/2001	N001	AL		234	#	-	-
	mV	0844	02/06/2001	N001	AL		232	#	-	-
	mV	0846	02/06/2001	N001	AL		232	#	-	-
	mV	0847	02/06/2001	N001	AL		245	#	-	-
	mV	0848	02/06/2001	N001	AL		241	#	-	-
	mV	1002	02/15/2001	N001	KM		240	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
ORP of Zobell Solution	mV	1003	02/15/2001	N001	KM		240	#	-	-
	mV	1004	02/15/2001	N001	KM		240	#	-	-
	mV	1007	02/13/2001	N001	AL		239	#	-	-
	mV	1049	02/09/2001	N001	AL		249	#	-	-
	mV	1057	02/13/2001	N001	AL		239	#	-	-
	mV	1058	02/14/2001	N001	KM		248	#	-	-
	mV	1059	02/14/2001	N001	KM		247	#	-	-
	mV	1060	02/06/2001	N001	AL		233	#	-	-
	mV	DM7	02/22/2001	N001	KM		235	#	-	-
Oxidation Reduction Potenti	mV	0600	02/15/2001	N001	KM		224	L #	-	-
	mV	0602	02/12/2001	N001	KM		165	#	-	-
	mV	0603	02/13/2001	N001	AL		226	#	-	-
	mV	0604	02/08/2001	N001	KM		202	L #	-	-
	mV	0648	02/08/2001	N001	JU		220	#	-	-
	mV	0725	02/14/2001	N001	AL		239	#	-	-
	mV	0726	02/13/2001	N001	KM		189	#	-	-
	mV	0727	02/09/2001	N001	KM		195	L #	-	-
	mV	0728	02/07/2001	N001	AL		202	#	-	-
	mV	0730	02/14/2001	N001	AL		163	L #	-	-
	mV	0812	02/07/2001	N001	AL		230	L #	-	-
	mV	0813	02/07/2001	N001	AL		224	#	-	-
	mV	0814	02/07/2001	N001	AL		226	#	-	-
	mV	0815	02/08/2001	N001	AL		214	#	-	-
	mV	0816	02/09/2001	N001	AL		198	#	-	-
	mV	0818	02/08/2001	N001	AL		159	#	-	-
	mV	0819	02/12/2001	N001	KM		209	L #	-	-
	mV	0820	02/15/2001	N001	KM		180	L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potenti	mV	0823	02/15/2001	N001	KM		246	L #	-	-
	mV	0824	02/15/2001	N001	KM		118	L #	-	-
	mV	0826	02/13/2001	N001	AL		216	L #	-	-
	mV	0827	02/15/2001	N001	AL		144	#	-	-
	mV	0828	02/13/2001	N001	AL		173	#	-	-
	mV	0830	02/13/2001	N001	KM		223	#	-	-
	mV	0832	02/07/2001	N001	AL		190	#	-	-
	mV	0833	02/07/2001	N001	AL		189	#	-	-
	mV	0835	02/07/2001	N001	AL		198	#	-	-
	mV	0836	02/05/2001	N001	AL		180	#	-	-
	mV	0837	02/05/2001	N001	AL		173	#	-	-
	mV	0838	02/06/2001	N001	AL		187	#	-	-
	mV	0839	02/08/2001	N001	AL		226	L #	-	-
	mV	0841	02/07/2001	N001	AL		208	#	-	-
	mV	0843	02/05/2001	N001	AL		176	#	-	-
	mV	0844	02/06/2001	N001	AL		202	#	-	-
	mV	0846	02/06/2001	N001	AL		188	#	-	-
	mV	0847	02/06/2001	N001	AL		148	#	-	-
	mV	0848	02/06/2001	N001	AL		75	#	-	-
	mV	1002	02/15/2001	N001	KM		-51	#	-	-
	mV	1003	02/15/2001	N001	KM		-113	#	-	-
	mV	1004	02/15/2001	N001	KM		-28	#	-	-
	mV	1007	02/13/2001	N001	AL		187	#	-	-
	mV	1049	02/09/2001	N001	AL		203	#	-	-
	mV	1057	02/13/2001	N001	AL		217	#	-	-
	mV	1058	02/14/2001	N001	KM		226	#	-	-
	mV	1059	02/14/2001	N001	KM		257	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potenti	mV	1060	02/06/2001	N001	AL		224	#	-	-
	mV	DM7	02/22/2001	N001	KM		185	#	-	-
pH	s.u.	0600	02/15/2001	N001	KM		6.46	L #	-	-
	s.u.	0602	02/12/2001	N001	KM		6.47	#	-	-
	s.u.	0603	02/13/2001	N001	AL		6.28	#	-	-
	s.u.	0604	02/08/2001	N001	KM		6.93	L #	-	-
	s.u.	0648	02/08/2001	N001	JU		7.68	#	-	-
	s.u.	0725	02/14/2001	N001	AL		6.95	#	-	-
	s.u.	0726	02/13/2001	N001	KM		7.11	#	-	-
	s.u.	0727	02/09/2001	N001	KM		6.55	L #	-	-
	s.u.	0728	02/07/2001	N001	AL		6.99	#	-	-
	s.u.	0730	02/14/2001	N001	AL		5.41	L #	-	-
	s.u.	0812	02/07/2001	N001	AL		7.07	L #	-	-
	s.u.	0813	02/07/2001	N001	AL		6.67	#	-	-
	s.u.	0814	02/07/2001	N001	AL		6.8	#	-	-
	s.u.	0815	02/08/2001	N001	AL		6.71	#	-	-
	s.u.	0816	02/09/2001	N001	AL		7.45	#	-	-
	s.u.	0818	02/08/2001	N001	AL		6.73	#	-	-
	s.u.	0819	02/12/2001	N001	KM		6.53	L #	-	-
	s.u.	0820	02/15/2001	N001	KM		7.23	L #	-	-
	s.u.	0823	02/15/2001	N001	KM		7.29	L #	-	-
	s.u.	0824	02/15/2001	N001	KM		7.26	L #	-	-
s.u.	0826	02/13/2001	N001	AL		6.43	L #	-	-	
s.u.	0827	02/15/2001	N001	AL		6.52	#	-	-	
s.u.	0828	02/13/2001	N001	AL		6.8	#	-	-	
s.u.	0830	02/13/2001	N001	KM		4.81	#	-	-	
s.u.	0832	02/07/2001	N001	AL		7.27	#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0833	02/07/2001	N001	AL		6.89	#	-	-
	s.u.	0835	02/07/2001	N001	AL		6.98	#	-	-
	s.u.	0836	02/05/2001	N001	AL		7.47	#	-	-
	s.u.	0837	02/05/2001	N001	AL		7.15	#	-	-
	s.u.	0838	02/06/2001	N001	AL		6.97	#	-	-
	s.u.	0839	02/08/2001	N001	AL		6.82	L #	-	-
	s.u.	0841	02/07/2001	N001	AL		7.26	#	-	-
	s.u.	0843	02/05/2001	N001	AL		7.04	#	-	-
	s.u.	0844	02/06/2001	N001	AL		6.95	#	-	-
	s.u.	0846	02/06/2001	N001	AL		7.09	#	-	-
	s.u.	0847	02/06/2001	N001	AL		7.01	#	-	-
	s.u.	0848	02/06/2001	N001	AL		6.83	#	-	-
	s.u.	1002	02/15/2001	N001	KM		8.52	#	-	-
	s.u.	1003	02/15/2001	N001	KM		7.53	#	-	-
	s.u.	1004	02/15/2001	N001	KM		7	#	-	-
	s.u.	1007	02/13/2001	N001	AL		6.57	#	-	-
	s.u.	1049	02/09/2001	N001	AL		7.81	#	-	-
	s.u.	1057	02/13/2001	N001	AL		6.91	#	-	-
	s.u.	1058	02/14/2001	N001	KM		7.81	#	-	-
	s.u.	1059	02/14/2001	N001	KM		7.16	#	-	-
s.u.	1060	02/06/2001	N001	AL		7.33	#	-	-	
s.u.	DM7	02/22/2001	N001	KM		7.17	#	-	-	
Potassium	mg/L	0600	02/15/2001	0001	KM		76.800	E JL #	0.0091	-
	mg/L	0600	02/15/2001	0002	KM		76.100	E JL #	0.0091	-
	mg/L	0602	02/12/2001	0001	KM		241.000	E J #	0.0091	-
	mg/L	0603	02/13/2001	0001	AL		186.000	E J #	0.0091	-
	mg/L	0604	02/08/2001	0001	KM		49.600	E JL #	0.0091	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
								LAB	DATA	QA		
Potassium	mg/L	0648	02/08/2001	0001	JU		7.570	E	J	#	0.0091	-
	mg/L	0725	02/14/2001	0001	AL		11.900	E	J	#	0.0091	-
	mg/L	0726	02/13/2001	0001	KM		22.400	E	J	#	0.0091	-
	mg/L	0727	02/09/2001	0001	KM		80.200	E	JL	#	0.0091	-
	mg/L	0728	02/07/2001	0001	AL		41.000	E	J	#	0.0091	-
	mg/L	0730	02/14/2001	0001	AL		28.900	E	JL	#	0.0091	-
	mg/L	0812	02/07/2001	0001	AL		72.100	E	JL	#	0.0091	-
	mg/L	0813	02/07/2001	0001	AL		102.000	E	J	#	0.0091	-
	mg/L	0814	02/07/2001	0001	AL		102.000	E	J	#	0.0091	-
	mg/L	0815	02/08/2001	0001	AL		81.000	E	J	#	0.0091	-
	mg/L	0816	02/09/2001	0001	AL		15.000	E	J	#	0.0091	-
	mg/L	0818	02/08/2001	0001	AL		134.000	E	J	#	0.0091	-
	mg/L	0819	02/12/2001	0001	KM		174.000		L	#	0.0091	-
	mg/L	0820	02/15/2001	0001	KM		25.900	E	JL	#	0.0091	-
	mg/L	0823	02/15/2001	0001	KM		18.700	E	JL	#	0.0091	-
	mg/L	0824	02/15/2001	0001	KM		97.400	E	JL	#	0.0091	-
	mg/L	0826	02/13/2001	0001	AL		143.000	E	JL	#	0.0091	-
	mg/L	0827	02/15/2001	0001	AL		37.200	E	J	#	0.0091	-
	mg/L	0828	02/13/2001	0001	AL		25.100	E	J	#	0.0091	-
	mg/L	0830	02/13/2001	0001	KM		3.930	E	J	#	0.0091	-
	mg/L	0832	02/07/2001	0001	AL		16.300			#	0.0091	-
	mg/L	0833	02/07/2001	0001	AL		18.300			#	0.0091	-
	mg/L	0835	02/07/2001	0001	AL		6.430	E	J	#	0.0091	-
	mg/L	0836	02/05/2001	0001	AL		4.590			#	0.0091	-
	mg/L	0837	02/05/2001	0001	AL		5.030			#	0.0091	-
	mg/L	0838	02/06/2001	0001	AL		5.160			#	0.0091	-
	mg/L	0839	02/08/2001	0001	AL		111.000	E	JL	#	0.0091	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Potassium	mg/L	0841	02/07/2001	0001	AL		55.500	E	J	#	0.0091	-
	mg/L	0843	02/05/2001	0001	AL		11.100			#	0.0091	-
	mg/L	0844	02/06/2001	0001	AL		14.300			#	0.0091	-
	mg/L	0846	02/06/2001	0001	AL		8.720			#	0.0091	-
	mg/L	0847	02/06/2001	0001	AL		4.680			#	0.0091	-
	mg/L	0847	02/06/2001	0002	AL		4.670			#	0.0091	-
	mg/L	0848	02/06/2001	0001	AL		19.800			#	0.0091	-
	mg/L	1002	02/15/2001	0001	KM		7.500	E	J	#	0.0091	-
	mg/L	1003	02/15/2001	0001	KM		9.620	E	J	#	0.0091	-
	mg/L	1004	02/15/2001	0001	KM		11.500	E	J	#	0.0091	-
	mg/L	1007	02/13/2001	0001	AL		101.000	E	J	#	0.0091	-
	mg/L	1049	02/09/2001	0001	AL		46.500			#	0.0091	-
	mg/L	1057	02/13/2001	0001	AL		407.000	E	J	#	0.0091	-
	mg/L	1058	02/14/2001	0001	KM		12.600	E	J	#	0.0091	-
	mg/L	1059	02/14/2001	0001	KM		26.000	E	J	#	0.0091	-
	mg/L	1060	02/06/2001	0001	AL		25.800			#	0.0091	-
	mg/L	DM7	02/22/2001	0001	KM		26.900	E		#	0.0091	-
Radon-222	pCi/L	0813	02/07/2001	0001	AL		698.81			#	36.04	± 61.6
	pCi/L	0819	02/12/2001	0001	KM		112.81		L	#	33.85	± 27.9
	pCi/L	0826	02/13/2001	0001	AL		393.33		L	#	29.79	± 41.8
	pCi/L	0833	02/07/2001	0001	AL		742.64			#	36.28	± 63.9
Selenium	mg/L	0600	02/15/2001	0001	KM		0.0023	B	L	#	0.0001	-
	mg/L	0600	02/15/2001	0002	KM		0.0021	B	L	#	0.0001	-
	mg/L	0602	02/12/2001	0001	KM		0.0044	B		#	0.0001	-
	mg/L	0603	02/13/2001	0001	AL		0.251			#	0.04	-
	mg/L	0604	02/08/2001	0001	KM		0.293		L	#	0.04	-
	mg/L	0648	02/08/2001	0001	JU		0.0001	U		#	0.0001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Selenium	mg/L	0725	02/14/2001	0001	AL		0.016	#	0.0001	-
	mg/L	0726	02/13/2001	0001	KM		0.0261	#	0.0004	-
	mg/L	0727	02/09/2001	0001	KM		0.0001	U L #	0.0001	-
	mg/L	0728	02/07/2001	0001	AL		0.0093	#	0.0001	-
	mg/L	0730	02/14/2001	0001	AL		0.0145	L #	0.0001	-
	mg/L	0812	02/07/2001	0001	AL		6.440	L #	16	-
	mg/L	0813	02/07/2001	0001	AL		0.0586	#	0.01	-
	mg/L	0814	02/07/2001	0001	AL		2.350	#	4	-
	mg/L	0815	02/08/2001	0001	AL		0.358	#	0.04	-
	mg/L	0816	02/09/2001	0001	AL		0.0745	#	0.0025	-
	mg/L	0818	02/08/2001	0001	AL		2.560	#	4	-
	mg/L	0819	02/12/2001	0001	KM		0.003	B L #	0.0001	-
	mg/L	0820	02/15/2001	0001	KM		0.0033	B L #	0.0001	-
	mg/L	0823	02/15/2001	0001	KM		0.0027	B L #	0.0001	-
	mg/L	0824	02/15/2001	0001	KM		0.0018	B L #	0.0001	-
	mg/L	0826	02/13/2001	0001	AL		0.0096	L #	0.0001	-
	mg/L	0827	02/15/2001	0001	AL		0.0094	#	0.0001	-
	mg/L	0828	02/13/2001	0001	AL		0.0313	#	0.0004	-
	mg/L	0830	02/13/2001	0001	KM		0.0259	#	0.0004	-
	mg/L	0832	02/07/2001	0001	AL		1.580	#	4	-
	mg/L	0833	02/07/2001	0001	AL		0.550	#	0.25	-
	mg/L	0835	02/07/2001	0001	AL		0.137	#	0.04	-
	mg/L	0836	02/05/2001	0001	AL		0.185	#	0.04	-
	mg/L	0837	02/05/2001	0001	AL		0.0242	#	0.0004	-
	mg/L	0838	02/06/2001	0001	AL		0.0404	#	0.0025	-
	mg/L	0839	02/08/2001	0001	AL		0.0026	B L #	0.0001	-
	mg/L	0841	02/07/2001	0001	AL		2.980	#	4	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Selenium	mg/L	0843	02/05/2001	0001	AL		0.0012	B #	0.0001	-
	mg/L	0844	02/06/2001	0001	AL		0.301	#	0.04	-
	mg/L	0846	02/06/2001	0001	AL		0.915	#	1	-
	mg/L	0847	02/06/2001	0001	AL		0.052	#	0.0025	-
	mg/L	0847	02/06/2001	0002	AL		0.0542	#	0.0025	-
	mg/L	0848	02/06/2001	0001	AL		1.990	#	4	-
	mg/L	1002	02/15/2001	0001	KM		0.00018	B #	0.0001	-
	mg/L	1003	02/15/2001	0001	KM		0.00058	B #	0.0001	-
	mg/L	1004	02/15/2001	0001	KM		0.0013	B #	0.0001	-
	mg/L	1007	02/13/2001	0001	AL		0.0814	#	0.0025	-
	mg/L	1049	02/09/2001	0001	AL		1.790	#	4	-
	mg/L	1057	02/13/2001	0001	AL		0.562	#	0.25	-
	mg/L	1058	02/14/2001	0001	KM		0.00058	B #	0.0001	-
	mg/L	1059	02/14/2001	0001	KM		0.225	#	0.04	-
	mg/L	1060	02/06/2001	0001	AL		2.920	#	4	-
	mg/L	DM7	02/22/2001	0001	KM		0.0165	#	0.0001	-
	Sodium	mg/L	0600	02/15/2001	0001	KM		2920.000	L #	1.83
mg/L		0600	02/15/2001	0002	KM		2990.000	L #	1.83	-
mg/L		0602	02/12/2001	0001	KM		2860.000	#	1.83	-
mg/L		0603	02/13/2001	0001	AL		816.000	#	1.83	-
mg/L		0604	02/08/2001	0001	KM		5430.000	L #	7.32	-
mg/L		0648	02/08/2001	0001	JU		814.000	#	1.83	-
mg/L		0725	02/14/2001	0001	AL		900.000	#	1.83	-
mg/L		0726	02/13/2001	0001	KM		1020.000	#	1.83	-
mg/L		0727	02/09/2001	0001	KM		2280.000	L #	1.83	-
mg/L		0728	02/07/2001	0001	AL		279.000	#	0.0183	-
mg/L		0730	02/14/2001	0001	AL		131.000	L #	0.0183	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0812	02/07/2001	0001	AL		6180.000	L #	45.75	-
	mg/L	0813	02/07/2001	0001	AL		2660.000	#	1.83	-
	mg/L	0814	02/07/2001	0001	AL		3450.000	#	7.32	-
	mg/L	0815	02/08/2001	0001	AL		3570.000	#	7.32	-
	mg/L	0816	02/09/2001	0001	AL		1010.000	#	1.83	-
	mg/L	0818	02/08/2001	0001	AL		2600.000	#	1.83	-
	mg/L	0819	02/12/2001	0001	KM		3390.000	L #	7.32	-
	mg/L	0820	02/15/2001	0001	KM		6620.000	L #	45.75	-
	mg/L	0823	02/15/2001	0001	KM		4660.000	L #	7.32	-
	mg/L	0824	02/15/2001	0001	KM		6980.000	L #	45.75	-
	mg/L	0826	02/13/2001	0001	AL		2190.000	L #	1.83	-
	mg/L	0827	02/15/2001	0001	AL		1640.000	#	1.83	-
	mg/L	0828	02/13/2001	0001	AL		693.000	#	1.83	-
	mg/L	0830	02/13/2001	0001	KM		166.000	#	0.0183	-
	mg/L	0832	02/07/2001	0001	AL		1360.000	#	1.83	-
	mg/L	0833	02/07/2001	0001	AL		1060.000	#	1.83	-
	mg/L	0835	02/07/2001	0001	AL		241.000	#	0.0183	-
	mg/L	0836	02/05/2001	0001	AL		368.000	#	1.83	-
	mg/L	0837	02/05/2001	0001	AL		143.000	#	0.0183	-
	mg/L	0838	02/06/2001	0001	AL		176.000	#	0.0183	-
	mg/L	0839	02/08/2001	0001	AL		2080.000	L #	1.83	-
	mg/L	0841	02/07/2001	0001	AL		5860.000	#	45.75	-
	mg/L	0843	02/05/2001	0001	AL		276.000	#	0.0183	-
	mg/L	0844	02/06/2001	0001	AL		767.000	#	1.83	-
mg/L	0846	02/06/2001	0001	AL		660.000	#	1.83	-	
mg/L	0847	02/06/2001	0001	AL		127.000	#	0.0183	-	
mg/L	0847	02/06/2001	0002	AL		128.000	#	0.0183	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Sodium	mg/L	0848	02/06/2001	0001	AL		1980.000			#	1.83	-
	mg/L	1002	02/15/2001	0001	KM		1730.000			#	1.83	-
	mg/L	1003	02/15/2001	0001	KM		2370.000			#	1.83	-
	mg/L	1004	02/15/2001	0001	KM		2270.000			#	1.83	-
	mg/L	1007	02/13/2001	0001	AL		2350.000			#	1.83	-
	mg/L	1049	02/09/2001	0001	AL		7380.000			#	45.75	-
	mg/L	1057	02/13/2001	0001	AL		1860.000			#	1.83	-
	mg/L	1058	02/14/2001	0001	KM		1090.000			#	1.83	-
	mg/L	1059	02/14/2001	0001	KM		4110.000			#	7.32	-
	mg/L	1060	02/06/2001	0001	AL		2500.000			#	1.83	-
	mg/L	DM7	02/22/2001	0001	KM		4840.000			#	7.32	-
	Specific Conductance	umhos/cm	0600	02/15/2001	N001	KM		14680		L	#	-
umhos/cm		0602	02/12/2001	N001	KM		21300			#	-	-
umhos/cm		0603	02/13/2001	N001	AL		16830			#	-	-
umhos/cm		0604	02/08/2001	N001	KM		25200		L	#	-	-
umhos/cm		0648	02/08/2001	N001	JU		4080			#	-	-
umhos/cm		0725	02/14/2001	N001	AL		5440			#	-	-
umhos/cm		0726	02/13/2001	N001	KM		6250			#	-	-
umhos/cm		0727	02/09/2001	N001	KM		17650		L	#	-	-
umhos/cm		0728	02/07/2001	N001	AL		4850			#	-	-
umhos/cm		0730	02/14/2001	N001	AL		4796		L	#	-	-
umhos/cm		0812	02/07/2001	N001	AL		28300		L	#	-	-
umhos/cm		0813	02/07/2001	N001	AL		17750			#	-	-
umhos/cm		0814	02/07/2001	N001	AL		19670			#	-	-
umhos/cm		0815	02/08/2001	N001	AL		21700			#	-	-
umhos/cm		0816	02/09/2001	N001	AL		6590			#	-	-
umhos/cm		0818	02/08/2001	N001	AL		25000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0819	02/12/2001	N001	KM		17490	L #	-	-
	umhos/cm	0820	02/15/2001	N001	KM		19900	L #	-	-
	umhos/cm	0823	02/15/2001	N001	KM		17030	L #	-	-
	umhos/cm	0824	02/15/2001	N001	KM		24600	L #	-	-
	umhos/cm	0826	02/13/2001	N001	AL		17860	L #	-	-
	umhos/cm	0827	02/15/2001	N001	AL		9830	#	-	-
	umhos/cm	0828	02/13/2001	N001	AL		5460	#	-	-
	umhos/cm	0830	02/13/2001	N001	KM		3180	#	-	-
	umhos/cm	0832	02/07/2001	N001	AL		9520	#	-	-
	umhos/cm	0833	02/07/2001	N001	AL		9640	#	-	-
	umhos/cm	0835	02/07/2001	N001	AL		3880	#	-	-
	umhos/cm	0836	02/05/2001	N001	AL		4440	#	-	-
	umhos/cm	0837	02/05/2001	N001	AL		2600	#	-	-
	umhos/cm	0838	02/06/2001	N001	AL		3090	#	-	-
	umhos/cm	0839	02/08/2001	N001	AL		16580	L #	-	-
	umhos/cm	0841	02/07/2001	N001	AL		23200	#	-	-
	umhos/cm	0843	02/05/2001	N001	AL		4080	#	-	-
	umhos/cm	0844	02/06/2001	N001	AL		6770	#	-	-
	umhos/cm	0846	02/06/2001	N001	AL		5480	#	-	-
	umhos/cm	0847	02/06/2001	N001	AL		3030	#	-	-
	umhos/cm	0848	02/06/2001	N001	AL		11280	#	-	-
	umhos/cm	1002	02/15/2001	N001	KM		7630	#	-	-
	umhos/cm	1003	02/15/2001	N001	KM		9860	#	-	-
	umhos/cm	1004	02/15/2001	N001	KM		9390	#	-	-
	umhos/cm	1007	02/13/2001	N001	AL		14260	#	-	-
	umhos/cm	1049	02/09/2001	N001	AL		25100	#	-	-
umhos/cm	1057	02/13/2001	N001	AL		26300	#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	1058	02/14/2001	N001	KM		5390	#	-	-
	umhos/cm	1059	02/14/2001	N001	KM		13910	#	-	-
	umhos/cm	1060	02/06/2001	N001	AL		13120	#	-	-
	umhos/cm	DM7	02/22/2001	N001	KM		18440	#	-	-
Strontium	mg/L	0600	02/15/2001	0001	KM		8.540	L #	0.01	-
	mg/L	0600	02/15/2001	0002	KM		8.410	L #	0.01	-
	mg/L	0602	02/12/2001	0001	KM		12.100	#	0.01	-
	mg/L	0603	02/13/2001	0001	AL		2.390	#	0.0001	-
	mg/L	0604	02/08/2001	0001	KM		20.300	L #	0.01	-
	mg/L	0648	02/08/2001	0001	JU		11.900	#	0.01	-
	mg/L	0725	02/14/2001	0001	AL		8.060	#	0.01	-
	mg/L	0726	02/13/2001	0001	KM		6.770	#	0.01	-
	mg/L	0727	02/09/2001	0001	KM		13.100	L #	0.01	-
	mg/L	0728	02/07/2001	0001	AL		4.540	#	0.0001	-
	mg/L	0730	02/14/2001	0001	AL		2.750	L #	0.0001	-
	mg/L	0812	02/07/2001	0001	AL		14.400	L #	0.01	-
	mg/L	0813	02/07/2001	0001	AL		16.200	#	0.01	-
	mg/L	0814	02/07/2001	0001	AL		13.800	#	0.01	-
	mg/L	0815	02/08/2001	0001	AL		13.200	#	0.01	-
	mg/L	0816	02/09/2001	0001	AL		4.290	#	0.0001	-
	mg/L	0818	02/08/2001	0001	AL		17.400	#	0.01	-
	mg/L	0819	02/12/2001	0001	KM		10.600	L #	0.01	-
	mg/L	0820	02/15/2001	0001	KM		19.300	L #	0.01	-
	mg/L	0823	02/15/2001	0001	KM		8.050	L #	0.01	-
mg/L	0824	02/15/2001	0001	KM		23.100	L #	0.01	-	
mg/L	0826	02/13/2001	0001	AL		12.200	L #	0.01	-	
mg/L	0827	02/15/2001	0001	AL		8.890	#	0.01	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Strontium	mg/L	0828	02/13/2001	0001	AL		5.690	#	0.01	-
	mg/L	0830	02/13/2001	0001	KM		0.280	#	0.0001	-
	mg/L	0832	02/07/2001	0001	AL		6.410	#	0.01	-
	mg/L	0833	02/07/2001	0001	AL		9.460	#	0.01	-
	mg/L	0835	02/07/2001	0001	AL		5.360	#	0.01	-
	mg/L	0836	02/05/2001	0001	AL		6.450	#	0.01	-
	mg/L	0837	02/05/2001	0001	AL		3.690	#	0.0001	-
	mg/L	0838	02/06/2001	0001	AL		4.360	#	0.0001	-
	mg/L	0839	02/08/2001	0001	AL		11.200	L #	0.01	-
	mg/L	0841	02/07/2001	0001	AL		9.100	#	0.01	-
	mg/L	0843	02/05/2001	0001	AL		7.320	#	0.01	-
	mg/L	0844	02/06/2001	0001	AL		7.790	#	0.01	-
	mg/L	0846	02/06/2001	0001	AL		5.710	#	0.01	-
	mg/L	0847	02/06/2001	0001	AL		4.770	#	0.0001	-
	mg/L	0847	02/06/2001	0002	AL		4.810	#	0.0001	-
	mg/L	0848	02/06/2001	0001	AL		9.710	#	0.01	-
	mg/L	1002	02/15/2001	0001	KM		1.280	#	0.0001	-
	mg/L	1003	02/15/2001	0001	KM		2.290	#	0.0001	-
	mg/L	1004	02/15/2001	0001	KM		3.370	#	0.0001	-
	mg/L	1007	02/13/2001	0001	AL		9.960	#	0.01	-
	mg/L	1049	02/09/2001	0001	AL		9.740	#	0.01	-
	mg/L	1057	02/13/2001	0001	AL		9.520	#	0.01	-
	mg/L	1058	02/14/2001	0001	KM		2.840	#	0.0001	-
	mg/L	1059	02/14/2001	0001	KM		15.900	#	0.01	-
mg/L	1060	02/06/2001	0001	AL		8.130	#	0.01	-	
mg/L	DM7	02/22/2001	0001	KM		17.300	#	0.01	-	
Sulfate	mg/L	0600	02/15/2001	0001	KM		8630.000	L #	23.56	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0600	02/15/2001	0002	KM		8620.000	L #	23.56	-
	mg/L	0602	02/12/2001	0001	KM		16300.000	#	23.56	-
	mg/L	0603	02/13/2001	0001	AL		6780.000	#	5.89	-
	mg/L	0604	02/08/2001	0001	KM		9520.000	L #	23.56	-
	mg/L	0648	02/08/2001	0001	JU		1990.000	#	1.4725	-
	mg/L	0725	02/14/2001	0001	AL		3170.000	#	1.4725	-
	mg/L	0726	02/13/2001	0001	KM		3710.000	#	1.4725	-
	mg/L	0727	02/09/2001	0001	KM		11800.000	L #	23.56	-
	mg/L	0728	02/07/2001	0001	AL		2790.000	#	1.4725	-
	mg/L	0730	02/14/2001	0001	AL		2340.000	L #	1.4725	-
	mg/L	0812	02/07/2001	0001	AL		15100.000	L #	23.56	-
	mg/L	0813	02/07/2001	0001	AL		11900.000	#	23.56	-
	mg/L	0814	02/07/2001	0001	AL		13400.000	#	23.56	-
	mg/L	0815	02/08/2001	0001	AL		14400.000	#	23.56	-
	mg/L	0816	02/09/2001	0001	AL		3420.000	#	1.4725	-
	mg/L	0818	02/08/2001	0001	AL		9290.000	#	23.56	-
	mg/L	0819	02/12/2001	0001	KM		12900.000	L #	23.56	-
	mg/L	0820	02/15/2001	0001	KM		7430.000	L #	23.56	-
	mg/L	0824	02/15/2001	0001	KM		7390.000	L #	23.56	-
	mg/L	0826	02/13/2001	0001	AL		13000.000	L #	23.56	-
	mg/L	0827	02/15/2001	0001	AL		6740.000	#	5.89	-
	mg/L	0828	02/13/2001	0001	AL		2760.000	#	1.4725	-
	mg/L	0830	02/13/2001	0001	KM		1700.000	#	0.2356	-
	mg/L	0832	02/07/2001	0001	AL		5780.000	#	5.89	-
	mg/L	0833	02/07/2001	0001	AL		5300.000	#	5.89	-
	mg/L	0835	02/07/2001	0001	AL		2010.000	#	1.4725	-
	mg/L	0836	02/05/2001	0001	AL		2590.000	#	1.4725	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0837	02/05/2001	0001	AL		1190.000	#	0.2356	-
	mg/L	0838	02/06/2001	0001	AL		1690.000	#	0.2356	-
	mg/L	0839	02/08/2001	0001	AL		10700.000	L #	23.56	-
	mg/L	0841	02/07/2001	0001	AL		14500.000	#	23.56	-
	mg/L	0843	02/05/2001	0001	AL		2460.000	#	1.4725	-
	mg/L	0844	02/06/2001	0001	AL		3950.000	#	1.4725	-
	mg/L	0846	02/06/2001	0001	AL		2810.000	#	1.4725	-
	mg/L	0847	02/06/2001	0001	AL		1660.000	#	0.2356	-
	mg/L	0847	02/06/2001	0002	AL		1680.000	#	0.2356	-
	mg/L	0848	02/06/2001	0001	AL		6270.000	#	5.89	-
	mg/L	1002	02/15/2001	0001	KM		671.000	#	1.4725	-
	mg/L	1003	02/15/2001	0001	KM		1400.000	#	5.89	-
	mg/L	1007	02/13/2001	0001	AL		11000.000	#	23.56	-
	mg/L	1049	02/09/2001	0001	AL		17100.000	#	23.56	-
	mg/L	1057	02/13/2001	0001	AL		15800.000	#	23.56	-
	mg/L	1058	02/14/2001	0001	KM		1920.000	#	1.4725	-
	mg/L	1059	02/14/2001	0001	KM		8340.000	#	5.89	-
	mg/L	1060	02/06/2001	0001	AL		7310.000	#	5.89	-
Temperature	C	0600	02/15/2001	N001	KM		16.5	L #	-	-
	C	0602	02/12/2001	N001	KM		16.9	#	-	-
	C	0603	02/13/2001	N001	AL		16.5	#	-	-
	C	0604	02/08/2001	N001	KM		14.4	L #	-	-
	C	0648	02/08/2001	N001	JU		29.1	#	-	-
	C	0725	02/14/2001	N001	AL		13.1	#	-	-
	C	0726	02/13/2001	N001	KM		16	#	-	-
	C	0727	02/09/2001	N001	KM		14.8	L #	-	-
	C	0728	02/07/2001	N001	AL		15.6	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)

REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Temperature	C	0730	02/14/2001	N001	AL		11.6	L	#		-	-
	C	0812	02/07/2001	N001	AL		14.6	L	#		-	-
	C	0813	02/07/2001	N001	AL		15.4		#		-	-
	C	0814	02/07/2001	N001	AL		15.4		#		-	-
	C	0815	02/08/2001	N001	AL		16.2		#		-	-
	C	0816	02/09/2001	N001	AL		15.5		#		-	-
	C	0818	02/08/2001	N001	AL		14.5		#		-	-
	C	0819	02/12/2001	N001	KM		17.7	L	#		-	-
	C	0820	02/15/2001	N001	KM		15.1	L	#		-	-
	C	0823	02/15/2001	N001	KM		13.7	L	#		-	-
	C	0824	02/15/2001	N001	KM		14.2	L	#		-	-
	C	0826	02/13/2001	N001	AL		14.7	L	#		-	-
	C	0827	02/15/2001	N001	AL		16.4		#		-	-
	C	0828	02/13/2001	N001	AL		14.2		#		-	-
	C	0830	02/13/2001	N001	KM		10		#		-	-
	C	0832	02/07/2001	N001	AL		16.2		#		-	-
	C	0833	02/07/2001	N001	AL		16.8		#		-	-
	C	0835	02/07/2001	N001	AL		16.8		#		-	-
	C	0836	02/05/2001	N001	AL		14.9		#		-	-
	C	0837	02/05/2001	N001	AL		14.3		#		-	-
	C	0838	02/06/2001	N001	AL		16.3		#		-	-
	C	0839	02/08/2001	N001	AL		16.9	L	#		-	-
	C	0841	02/07/2001	N001	AL		15.9		#		-	-
	C	0843	02/05/2001	N001	AL		13.9		#		-	-
	C	0844	02/06/2001	N001	AL		15.5		#		-	-
	C	0846	02/06/2001	N001	AL		16.2		#		-	-
	C	0847	02/06/2001	N001	AL		16.2		#		-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0848	02/06/2001	N001	AL		16.2	#	-	-
	C	1002	02/15/2001	N001	KM		12	#	-	-
	C	1003	02/15/2001	N001	KM		13.5	#	-	-
	C	1004	02/15/2001	N001	KM		13.1	#	-	-
	C	1007	02/13/2001	N001	AL		17	#	-	-
	C	1049	02/09/2001	N001	AL		12.2	#	-	-
	C	1057	02/13/2001	N001	AL		15.4	#	-	-
	C	1058	02/14/2001	N001	KM		14.3	#	-	-
	C	1059	02/14/2001	N001	KM		15.2	#	-	-
	C	1060	02/06/2001	N001	AL		14.7	#	-	-
	C	DM7	02/22/2001	N001	KM		15.7	#	-	-
Temperature of Zobell Soluti	C	0600	02/15/2001	N001	KM		12.2	L #	-	-
	C	0602	02/12/2001	N001	KM		12.8	#	-	-
	C	0603	02/13/2001	N001	AL		7.9	#	-	-
	C	0604	02/08/2001	N001	KM		10.2	L #	-	-
	C	0648	02/08/2001	N001	JU		22	#	-	-
	C	0725	02/14/2001	N001	AL		11	#	-	-
	C	0726	02/13/2001	N001	KM		12.5	#	-	-
	C	0727	02/09/2001	N001	KM		13.5	L #	-	-
	C	0728	02/07/2001	N001	AL		14.2	#	-	-
	C	0730	02/14/2001	N001	AL		8.2	L #	-	-
	C	0812	02/07/2001	N001	AL		14.3	L #	-	-
	C	0813	02/07/2001	N001	AL		14.3	#	-	-
	C	0814	02/07/2001	N001	AL		14.5	#	-	-
	C	0815	02/08/2001	N001	AL		6.8	#	-	-
	C	0816	02/09/2001	N001	AL		13.5	#	-	-
	C	0818	02/08/2001	N001	AL		9.3	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature of Zobell Soluti	C	0819	02/12/2001	N001	KM		11.7	L #	-	-
	C	0820	02/15/2001	N001	KM		13.0	L #	-	-
	C	0823	02/15/2001	N001	KM		8.4	L #	-	-
	C	0824	02/15/2001	N001	KM		8.4	L #	-	-
	C	0826	02/13/2001	N001	AL		13	L #	-	-
	C	0827	02/15/2001	N001	AL		16.7	#	-	-
	C	0828	02/13/2001	N001	AL		13	#	-	-
	C	0830	02/13/2001	N001	KM		7.9	#	-	-
	C	0832	02/07/2001	N001	AL		10.2	#	-	-
	C	0833	02/07/2001	N001	AL		10.2	#	-	-
	C	0835	02/07/2001	N001	AL		14.4	#	-	-
	C	0836	02/05/2001	N001	AL		12.8	#	-	-
	C	0837	02/05/2001	N001	AL		14.3	#	-	-
	C	0838	02/06/2001	N001	AL		15.2	#	-	-
	C	0839	02/08/2001	N001	AL		6.8	L #	-	-
	C	0841	02/07/2001	N001	AL		11.7	#	-	-
	C	0843	02/05/2001	N001	AL		13.9	#	-	-
	C	0844	02/06/2001	N001	AL		15.7	#	-	-
	C	0846	02/06/2001	N001	AL		15.2	#	-	-
	C	0847	02/06/2001	N001	AL		6.2	#	-	-
	C	0848	02/06/2001	N001	AL		8.6	#	-	-
	C	1002	02/15/2001	N001	KM		14	#	-	-
	C	1003	02/15/2001	N001	KM		11.9	#	-	-
	C	1004	02/15/2001	N001	KM		11.9	#	-	-
	C	1007	02/13/2001	N001	AL		9.6	#	-	-
	C	1049	02/09/2001	N001	AL		4	#	-	-
	C	1057	02/13/2001	N001	AL		11.1	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature of Zobell Soluti	C	1058	02/14/2001	N001	KM		9	#	-	-
	C	1059	02/14/2001	N001	KM		8.6	#	-	-
	C	1060	02/06/2001	N001	AL		15.3	#	-	-
	C	DM7	02/22/2001	N001	KM		12.3	#	-	-
Total Dissolved Solids	mg/L	0600	02/15/2001	0001	KM		14300	L #	10	-
	mg/L	0600	02/15/2001	0002	KM		14400	L #	10	-
	mg/L	0602	02/12/2001	0001	KM		26400	#	10	-
	mg/L	0603	02/13/2001	0001	AL		10200	#	10	-
	mg/L	0604	02/08/2001	0001	KM		25900	L #	10	-
	mg/L	0648	02/08/2001	0001	JU		3110	#	10	-
	mg/L	0725	02/14/2001	0001	AL		4960	#	10	-
	mg/L	0726	02/13/2001	0001	KM		5840	#	10	-
	mg/L	0727	02/09/2001	0001	KM		19900	L #	10	-
	mg/L	0728	02/07/2001	0001	AL		4290	#	10	-
	mg/L	0730	02/14/2001	0001	AL		3600	L #	10	-
	mg/L	0812	02/07/2001	0001	AL		34200	L #	10	-
	mg/L	0813	02/07/2001	0001	AL		26900	#	10	-
	mg/L	0814	02/07/2001	0001	AL		27200	#	10	-
	mg/L	0815	02/08/2001	0001	AL		25700	#	10	-
	mg/L	0816	02/09/2001	0001	AL		6140	#	10	-
	mg/L	0818	02/08/2001	0001	AL		27700	#	10	-
	mg/L	0819	02/12/2001	0001	KM		21700	L #	10	-
	mg/L	0820	02/15/2001	0001	KM		17700	L #	10	-
	mg/L	0824	02/15/2001	0001	KM		20000	L #	10	-
mg/L	0826	02/13/2001	0001	AL		26200	L #	10	-	
mg/L	0827	02/15/2001	0001	AL		12300	#	10	-	
mg/L	0828	02/13/2001	0001	AL		5300	#	10	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0830	02/13/2001	0001	KM		2890	#	10	-
	mg/L	0832	02/07/2001	0001	AL		10200	#	10	-
	mg/L	0833	02/07/2001	0001	AL		10000	#	10	-
	mg/L	0835	02/07/2001	0001	AL		3740	#	10	-
	mg/L	0836	02/05/2001	0001	AL		5970	#	10	-
	mg/L	0837	02/05/2001	0001	AL		2270	#	10	-
	mg/L	0838	02/06/2001	0001	AL		2950	#	10	-
	mg/L	0839	02/08/2001	0001	AL		18700	L #	10	-
	mg/L	0841	02/07/2001	0001	AL		26500	#	10	-
	mg/L	0843	02/05/2001	0001	AL		4120	#	10	-
	mg/L	0844	02/06/2001	0001	AL		7130	#	10	-
	mg/L	0846	02/06/2001	0001	AL		5300	#	10	-
	mg/L	0847	02/06/2001	0001	AL		2890	#	10	-
	mg/L	0847	02/06/2001	0002	AL		2940	#	10	-
	mg/L	0848	02/06/2001	0001	AL		11800	#	10	-
	mg/L	1002	02/15/2001	0001	KM		5050	#	10	-
	mg/L	1003	02/15/2001	0001	KM		6670	#	10	-
	mg/L	1007	02/13/2001	0001	AL		20700	#	10	-
	mg/L	1049	02/09/2001	0001	AL		31500	#	10	-
	mg/L	1057	02/13/2001	0001	AL		24700	#	10	-
mg/L	1058	02/14/2001	0001	KM		3870	#	10	-	
mg/L	1059	02/14/2001	0001	KM		15800	#	10	-	
mg/L	1060	02/06/2001	0001	AL		15000	#	10	-	
Turbidity	NTU	0600	02/15/2001	N001	KM		8.66	L #	-	-
	NTU	0602	02/12/2001	N001	KM		7.66	#	-	-
	NTU	0603	02/13/2001	N001	AL		0.32	#	-	-
	NTU	0604	02/08/2001	N001	KM		1000	> L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Turbidity	NTU	0648	02/08/2001	N001	JU		0.25			#	-	-
	NTU	0725	02/14/2001	N001	AL		4.99			#	-	-
	NTU	0726	02/13/2001	N001	KM		6.15			#	-	-
	NTU	0727	02/09/2001	N001	KM		357		L	#	-	-
	NTU	0728	02/07/2001	N001	AL		1.84			#	-	-
	NTU	0730	02/14/2001	N001	AL		1000	>	L	#	-	-
	NTU	0812	02/07/2001	N001	AL		109		L	#	-	-
	NTU	0813	02/07/2001	N001	AL		6.18			#	-	-
	NTU	0814	02/07/2001	N001	AL		30.1			#	-	-
	NTU	0815	02/08/2001	N001	AL		4.49			#	-	-
	NTU	0816	02/09/2001	N001	AL		6.35			#	-	-
	NTU	0818	02/08/2001	N001	AL		9.38			#	-	-
	NTU	0819	02/12/2001	N001	KM		4.3		L	#	-	-
	NTU	0823	02/15/2001	N001	KM		1000	>	L	#	-	-
	NTU	0824	02/15/2001	N001	KM		71.3		L	#	-	-
	NTU	0826	02/13/2001	N001	AL		19.2		L	#	-	-
	NTU	0828	02/13/2001	N001	AL		1.17			#	-	-
	NTU	0830	02/13/2001	N001	KM		1000	>		#	-	-
	NTU	0832	02/07/2001	N001	AL		7.18			#	-	-
	NTU	0833	02/07/2001	N001	AL		7.76			#	-	-
	NTU	0835	02/07/2001	N001	AL		2.56			#	-	-
	NTU	0836	02/05/2001	N001	AL		7.19			#	-	-
	NTU	0837	02/05/2001	N001	AL		9.81			#	-	-
	NTU	0838	02/06/2001	N001	AL		4.28			#	-	-
	NTU	0839	02/08/2001	N001	AL		35.6		L	#	-	-
	NTU	0841	02/07/2001	N001	AL		7.44			#	-	-
	NTU	0843	02/05/2001	N001	AL		3.07			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0844	02/06/2001	N001	AL		9.4	#	-	-
	NTU	0846	02/06/2001	N001	AL		7.47	#	-	-
	NTU	0847	02/06/2001	N001	AL		0.56	#	-	-
	NTU	0848	02/06/2001	N001	AL		0.81	#	-	-
	NTU	1002	02/15/2001	N001	KM		1000	> #	-	-
	NTU	1003	02/15/2001	N001	KM		1000	> #	-	-
	NTU	1004	02/15/2001	N001	KM		1000	> #	-	-
	NTU	1007	02/13/2001	N001	AL		1000	> #	-	-
	NTU	1049	02/09/2001	N001	AL		9.85	#	-	-
	NTU	1057	02/13/2001	N001	AL		22.3	#	-	-
	NTU	1058	02/14/2001	N001	KM		644	#	-	-
	NTU	1059	02/14/2001	N001	KM		339	#	-	-
	NTU	1060	02/06/2001	N001	AL		1000	> #	-	-
	NTU	DM7	02/22/2001	N001	KM		849	#	-	-
Uranium	mg/L	0600	02/15/2001	0001	KM		1.130	L #	0.0025	-
	mg/L	0600	02/15/2001	0002	KM		1.100	L #	0.0025	-
	mg/L	0602	02/12/2001	0001	KM		0.727	#	0.0001	-
	mg/L	0603	02/13/2001	0001	AL		0.0112	#	0.0001	-
	mg/L	0604	02/08/2001	0001	KM		0.0733	L #	0.0001	-
	mg/L	0648	02/08/2001	0001	JU		0.00019	U #	0.0001	-
	mg/L	0725	02/14/2001	0001	AL		0.0276	#	0.0001	-
	mg/L	0726	02/13/2001	0001	KM		0.0135	#	0.0001	-
	mg/L	0727	02/09/2001	0001	KM		0.405	L #	0.0001	-
	mg/L	0728	02/07/2001	0001	AL		0.200	#	0.0001	-
	mg/L	0730	02/14/2001	0001	AL		0.0017	L #	0.0001	-
	mg/L	0812	02/07/2001	0001	AL		0.117	L #	0.0001	-
	mg/L	0813	02/07/2001	0001	AL		0.151	#	0.0001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0814	02/07/2001	0001	AL		0.125	#	0.0001	-
	mg/L	0815	02/08/2001	0001	AL		0.316	#	0.0001	-
	mg/L	0816	02/09/2001	0001	AL		0.0321	#	0.0001	-
	mg/L	0818	02/08/2001	0001	AL		0.0925	#	0.0001	-
	mg/L	0819	02/12/2001	0001	KM		0.949	L #	0.0001	-
	mg/L	0820	02/15/2001	0001	KM		0.0977	L #	0.0001	-
	mg/L	0823	02/15/2001	0001	KM		0.133	L #	0.0001	-
	mg/L	0824	02/15/2001	0001	KM		0.147	L #	0.0001	-
	mg/L	0826	02/13/2001	0001	AL		3.430	L #	0.01	-
	mg/L	0827	02/15/2001	0001	AL		0.581	#	0.0001	-
	mg/L	0828	02/13/2001	0001	AL		0.343	#	0.0001	-
	mg/L	0830	02/13/2001	0001	KM		0.0021	#	0.0001	-
	mg/L	0832	02/07/2001	0001	AL		0.0533	#	0.0001	-
	mg/L	0833	02/07/2001	0001	AL		0.126	#	0.0001	-
	mg/L	0835	02/07/2001	0001	AL		0.0346	#	0.0001	-
	mg/L	0836	02/05/2001	0001	AL		0.0498	#	0.0001	-
	mg/L	0837	02/05/2001	0001	AL		0.030	#	0.0001	-
	mg/L	0838	02/06/2001	0001	AL		0.0291	#	0.0001	-
	mg/L	0839	02/08/2001	0001	AL		0.437	L #	0.0001	-
	mg/L	0841	02/07/2001	0001	AL		0.110	#	0.0001	-
	mg/L	0843	02/05/2001	0001	AL		0.0324	#	0.0001	-
	mg/L	0844	02/06/2001	0001	AL		0.0564	#	0.0001	-
	mg/L	0846	02/06/2001	0001	AL		0.0405	#	0.0001	-
	mg/L	0847	02/06/2001	0001	AL		0.0285	#	0.0001	-
	mg/L	0847	02/06/2001	0002	AL		0.0289	#	0.0001	-
	mg/L	0848	02/06/2001	0001	AL		0.0623	#	0.0001	-
	mg/L	1002	02/15/2001	0001	KM		0.0086	#	0.0001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:21 p

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY	
			DATE	ID				LAB	DATA	QA			
Uranium-238	pCi/L	0600	02/15/2001	0002	KM		391	L	#		10	±	
	pCi/L	0603	02/13/2001	0001	AL		4.8		#		0.1	±	
	pCi/L	0728	02/07/2001	0001	AL		70.3		#		2.5	±	
	pCi/L	0813	02/07/2001	0001	AL		53.9	E	#		0.1	±	
	pCi/L	0814	02/07/2001	0001	AL		42.9	E	#		0.1	±	
	pCi/L	0815	02/08/2001	0001	AL		113		#		2.5	±	
	pCi/L	0816	02/09/2001	0001	AL		14.6	E	#		0.1	±	
	pCi/L	0818	02/08/2001	0001	AL		33.9	E	#		0.1	±	
	pCi/L	0826	02/13/2001	0001	AL		1180		L	#		62.5	±
	pCi/L	0833	02/07/2001	0001	AL		49.9	E	#		0.1	±	
	pCi/L	0835	02/07/2001	0001	AL		15.3	E	#		0.1	±	
	pCi/L	0836	02/05/2001	0001	AL		20.5	E	#		0.1	±	
	pCi/L	0838	02/06/2001	0001	AL		12.4	E	#		0.1	±	
	pCi/L	0843	02/05/2001	0001	AL		13.4	E	#		0.1	±	
	pCi/L	0846	02/06/2001	0001	AL		16.9	E	#		0.1	±	
	pCi/L	1007	02/13/2001	0001	AL		543		#		62.5	±	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)

REPORT DATE: 5/17/2001 1:21 p

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

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 #2/1/2001# and #3/31/2001#

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 compound (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.
- J Estimated

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: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION		SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
		ID	ID	DATE	ID		LAB	DATA QA		
Alkalinity as CaCO3	mg/L	0655	02/08/2001	0001		234		#	-	-
	mg/L	0655	02/08/2001	N001		212		#	-	-
	mg/L	0657	02/08/2001	0001		104		#	-	-
	mg/L	0657	02/08/2001	N001		105		#	-	-
	mg/L	0658	02/08/2001	0001		105		#	-	-
	mg/L	0658	02/08/2001	N001		108		#	-	-
	mg/L	0887	02/05/2001	0001		359		#	-	-
	mg/L	0887	02/05/2001	N001		353		#	-	-
	mg/L	0888	02/06/2001	0001		139		#	-	-
	mg/L	0888	02/06/2001	N001		144		#	-	-
	mg/L	0894	02/07/2001	0001		146		#	-	-
	mg/L	0894	02/07/2001	N001		160		#	-	-
	mg/L	0895	02/07/2001	0001		123		#	-	-
	mg/L	0895	02/07/2001	N001		132		#	-	-
	mg/L	0897	02/08/2001	0001		119		#	-	-
	mg/L	0897	02/08/2001	N001		113		#	-	-
	mg/L	0898	02/06/2001	0001		115		#	-	-
	mg/L	0898	02/06/2001	N001		109		#	-	-
	mg/L	0939	02/06/2001	0001		299		#	-	-
	mg/L	0939	02/06/2001	N001		292		#	-	-
	mg/L	0940	02/08/2001	0001		114		#	-	-
	mg/L	0940	02/08/2001	N001		118		#	-	-
	mg/L	0947	02/07/2001	0001		123		#	-	-
	mg/L	0947	02/07/2001	N001		132		#	-	-
	mg/L	0956	02/13/2001	0001		116		#	-	-
	mg/L	0956	02/13/2001	N001		121		#	-	-
	mg/L	0957	02/06/2001	0001		115		#	-	-
	mg/L	0957	02/06/2001	N001		119		#	-	-
	mg/L	1205	02/12/2001	0001		110		#	-	-
	mg/L	1205	02/12/2001	N001		112		#	-	-
	mg/L	1210	02/07/2001	0001		114		#	-	-
	mg/L	1210	02/07/2001	N001		122		#	-	-
Ammonium	mg/L	0655	02/08/2001	0001		0.0481 B		#	0.0047	-
	mg/L	0657	02/08/2001	0001		0.176		#	0.0047	-
	mg/L	0658	02/08/2001	0001		0.123		#	0.0047	-
	mg/L	0887	02/05/2001	0001		0.0338 B		#	0.0047	-
	mg/L	0888	02/06/2001	0001		0.0047 U		#	0.0047	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS: DETECTION UN-		
			DATE	ID		LAB DATA QA	LIMIT	CERTAINTY
Ammonium	mg/L	0894	02/07/2001	0001	0.0128 B	#	0.0047	-
	mg/L	0894	02/07/2001	0002	0.0148 B	#	0.0047	-
	mg/L	0895	02/07/2001	0001	0.0047 U	#	0.0047	-
	mg/L	0897	02/08/2001	0001	0.0047 U	#	0.0047	-
	mg/L	0898	02/06/2001	0001	0.0047 U	#	0.0047	-
	mg/L	0939	02/06/2001	0001	0.0219 B	#	0.0047	-
	mg/L	0940	02/08/2001	0001	0.0618 B	#	0.0047	-
	mg/L	0947	02/07/2001	0001	0.0068 B	#	0.0047	-
	mg/L	0956	02/13/2001	0001	0.0047 U	#	0.0047	-
	mg/L	0957	02/06/2001	0001	0.0047 U	#	0.0047	-
	mg/L	1205	02/12/2001	0001	0.0141 B	#	0.0047	-
	mg/L	1210	02/07/2001	0001	0.0047 U	#	0.0047	-
	Calcium	mg/L	0655	02/08/2001	0001	366.000	#	0.0757
mg/L		0657	02/08/2001	0001	177.000	#	0.0757	-
mg/L		0658	02/08/2001	0001	181.000	#	0.0757	-
mg/L		0887	02/05/2001	0001	496.000	#	1.8925	-
mg/L		0888	02/06/2001	0001	97.900	#	0.0757	-
mg/L		0894	02/07/2001	0001	140.000	#	0.0757	-
mg/L		0894	02/07/2001	0002	148.000	#	0.0757	-
mg/L		0895	02/07/2001	0001	64.200	#	0.0757	-
mg/L		0897	02/08/2001	0001	65.400	#	0.0757	-
mg/L		0898	02/06/2001	0001	66.400	#	0.0757	-
mg/L		0939	02/06/2001	0001	425.000	#	0.0757	-
mg/L		0940	02/08/2001	0001	69.000	#	0.0757	-
mg/L		0947	02/07/2001	0001	99.600	#	0.0757	-
mg/L		0956	02/13/2001	0001	67.300	#	0.0757	-
mg/L		0957	02/06/2001	0001	67.300	#	0.0757	-
mg/L	1205	02/12/2001	0001	65.700	#	0.0757	-	
mg/L	1210	02/07/2001	0001	67.300	#	0.0757	-	
Chloride	mg/L	0655	02/08/2001	0001	79.100	#	0.6	-
	mg/L	0657	02/08/2001	0001	59.500	#	0.6	-
	mg/L	0658	02/08/2001	0001	60.600	#	0.6	-
	mg/L	0887	02/05/2001	0001	138.000	#	0.6	-
	mg/L	0888	02/06/2001	0001	46.300	#	0.024	-
	mg/L	0894	02/07/2001	0001	32.600	#	0.096	-
	mg/L	0894	02/07/2001	0002	39.700	#	0.096	-
	mg/L	0895	02/07/2001	0001	16.200	#	0.024	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
			DATE	ID		LAB	DATA QA		
Chloride	mg/L	0897	02/08/2001	0001	15.900	#		0.024	-
	mg/L	0898	02/06/2001	0001	16.400	#		0.024	-
	mg/L	0939	02/06/2001	0001	72.600	#		0.096	-
	mg/L	0940	02/08/2001	0001	17.500	#		0.024	-
	mg/L	0947	02/07/2001	0001	47.500	#		0.024	-
	mg/L	0956	02/13/2001	0001	16.400	#		0.024	-
	mg/L	0957	02/06/2001	0001	15.600	#		0.024	-
	mg/L	1205	02/12/2001	0001	17.700	#		0.024	-
	mg/L	1210	02/07/2001	0001	16.300	#		0.024	-
Magnesium	mg/L	0655	02/08/2001	0001	136.000	#		0.0052	-
	mg/L	0657	02/08/2001	0001	37.600	#		0.0052	-
	mg/L	0658	02/08/2001	0001	38.900	#		0.0052	-
	mg/L	0887	02/05/2001	0001	311.000	#		0.0052	-
	mg/L	0888	02/06/2001	0001	50.300	#		0.0052	-
	mg/L	0894	02/07/2001	0001	44.200	#		0.0052	-
	mg/L	0894	02/07/2001	0002	47.300	#		0.0052	-
	mg/L	0895	02/07/2001	0001	13.300	#		0.0052	-
	mg/L	0897	02/08/2001	0001	13.600	#		0.0052	-
	mg/L	0898	02/06/2001	0001	14.400	#		0.0052	-
	mg/L	0939	02/06/2001	0001	202.000	#		0.0052	-
	mg/L	0940	02/08/2001	0001	17.400	#		0.0052	-
	mg/L	0947	02/07/2001	0001	52.100	#		0.0052	-
	mg/L	0956	02/13/2001	0001	13.100	#		0.0052	-
	mg/L	0957	02/06/2001	0001	14.000	#		0.0052	-
	mg/L	1205	02/12/2001	0001	13.900	#		0.0052	-
	mg/L	1210	02/07/2001	0001	15.000	#		0.0052	-
Manganese	mg/L	0655	02/08/2001	0001	0.745	#		0.0002	-
	mg/L	0657	02/08/2001	0001	0.128	#		0.0002	-
	mg/L	0658	02/08/2001	0001	0.0801	#		0.0002	-
	mg/L	0887	02/05/2001	0001	0.326	#		0.0002	-
	mg/L	0888	02/06/2001	0001	0.0025 B	#		0.0002	-
	mg/L	0894	02/07/2001	0001	0.165	#		0.0002	-
	mg/L	0894	02/07/2001	0002	0.180	#		0.0002	-
	mg/L	0895	02/07/2001	0001	0.012	#		0.0002	-
	mg/L	0897	02/08/2001	0001	0.0117	#		0.0002	-
	mg/L	0898	02/06/2001	0001	0.0063 B	#		0.0002	-
	mg/L	0939	02/06/2001	0001	1.750	#		0.0002	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Manganese	mg/L	0940	02/08/2001	0001	0.0434	#	0.0002	-
	mg/L	0947	02/07/2001	0001	0.0004	B #	0.0002	-
	mg/L	0956	02/13/2001	0001	0.0097	B #	0.0002	-
	mg/L	0957	02/06/2001	0001	0.010	#	0.0002	-
	mg/L	1205	02/12/2001	0001	0.0062	B #	0.0002	-
	mg/L	1210	02/07/2001	0001	0.0166	#	0.0002	-
Nitrate	mg/L	0655	02/08/2001	0001	21.200	#	0.0314	-
	mg/L	0657	02/08/2001	0001	6.430	#	0.0314	-
	mg/L	0658	02/08/2001	0001	7.420	#	0.0314	-
	mg/L	0887	02/05/2001	0001	351.000	#	0.785	-
	mg/L	0888	02/06/2001	0001	3.550	#	0.0314	-
	mg/L	0894	02/07/2001	0001	6.180	#	0.0314	-
	mg/L	0894	02/07/2001	0002	7.030	#	0.0314	-
	mg/L	0895	02/07/2001	0001	1.460	#	0.0314	-
	mg/L	0897	02/08/2001	0001	2.170	#	0.0314	-
	mg/L	0898	02/06/2001	0001	1.720	#	0.0314	-
	mg/L	0939	02/06/2001	0001	141.000	#	0.1256	-
	mg/L	0940	02/08/2001	0001	3.180	#	0.0314	-
	mg/L	0947	02/07/2001	0001	3.750	#	0.0314	-
	mg/L	0956	02/13/2001	0001	1.730	#	0.0314	-
	mg/L	0957	02/06/2001	0001	0.938	B #	0.0314	-
	mg/L	1205	02/12/2001	0001	1.940	#	0.0314	-
mg/L	1210	02/07/2001	0001	1.400	#	0.0314	-	
ORP of Zobell Solution	mV	0655	02/08/2001	N001	237	#	-	-
	mV	0657	02/08/2001	N001	237	#	-	-
	mV	0658	02/08/2001	N001	239	#	-	-
	mV	0887	02/05/2001	N001	236	#	-	-
	mV	0888	02/06/2001	N001	239	#	-	-
	mV	0894	02/07/2001	N001	229	#	-	-
	mV	0895	02/07/2001	N001	233	#	-	-
	mV	0897	02/08/2001	N001	233	#	-	-
	mV	0898	02/06/2001	N001	238	#	-	-
	mV	0939	02/06/2001	N001	239	#	-	-
	mV	0940	02/08/2001	N001	239	#	-	-
	mV	0947	02/07/2001	N001	238	#	-	-
	mV	0956	02/13/2001	N001	245	#	-	-
	mV	0957	02/06/2001	N001	239	#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
ORP of Zobell Solution	mV	1205	02/12/2001	N001	239	#	-	-
	mV	1210	02/07/2001	N001	240	#	-	-
Oxidation Reduction Potenti	mV	0655	02/08/2001	N001	226	#	-	-
	mV	0657	02/08/2001	N001	202	#	-	-
	mV	0658	02/08/2001	N001	181	#	-	-
	mV	0887	02/05/2001	N001	3	#	-	-
	mV	0888	02/06/2001	N001	189	#	-	-
	mV	0894	02/07/2001	N001	164	#	-	-
	mV	0895	02/07/2001	N001	196	#	-	-
	mV	0897	02/08/2001	N001	174	#	-	-
	mV	0898	02/06/2001	N001	178	#	-	-
	mV	0939	02/06/2001	N001	185	#	-	-
	mV	0940	02/08/2001	N001	198	#	-	-
	mV	0947	02/07/2001	N001	176	#	-	-
	mV	0956	02/13/2001	N001	187	#	-	-
	mV	0957	02/06/2001	N001	183	#	-	-
	mV	1205	02/12/2001	N001	156	#	-	-
	mV	1210	02/07/2001	N001	158	#	-	-
pH	s.u.	0655	02/08/2001	N001	7.66	#	-	-
	s.u.	0657	02/08/2001	N001	7.41	#	-	-
	s.u.	0658	02/08/2001	N001	7.77	#	-	-
	s.u.	0887	02/05/2001	N001	7.76	#	-	-
	s.u.	0888	02/06/2001	N001	8.5	#	-	-
	s.u.	0894	02/07/2001	N001	8.4	#	-	-
	s.u.	0895	02/07/2001	N001	8.27	#	-	-
	s.u.	0897	02/08/2001	N001	8.53	#	-	-
	s.u.	0898	02/06/2001	N001	8.6	#	-	-
	s.u.	0939	02/06/2001	N001	9.49	#	-	-
	s.u.	0940	02/08/2001	N001	8.23	#	-	-
	s.u.	0947	02/07/2001	N001	8.22	#	-	-
	s.u.	0956	02/13/2001	N001	8.27	#	-	-
	s.u.	0957	02/06/2001	N001	8.68	#	-	-
	s.u.	1205	02/12/2001	N001	8.62	#	-	-
	s.u.	1210	02/07/2001	N001	8.75	#	-	-
Potassium	mg/L	0655	02/08/2001	0001	12.900	#	0.0091	-
	mg/L	0657	02/08/2001	0001	8.990	#	0.0091	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY	
Potassium	mg/L	0658	02/08/2001	0001	9.020	#	0.0091	-	
	mg/L	0887	02/05/2001	0001	10.500	#	0.0091	-	
	mg/L	0888	02/06/2001	0001	6.120	#	0.0091	-	
	mg/L	0894	02/07/2001	0001	4.860	#	0.0091	-	
	mg/L	0894	02/07/2001	0002	5.090	#	0.0091	-	
	mg/L	0895	02/07/2001	0001	2.350	#	0.0091	-	
	mg/L	0897	02/08/2001	0001	2.330	#	0.0091	-	
	mg/L	0898	02/06/2001	0001	2.400	#	0.0091	-	
	mg/L	0939	02/06/2001	0001	7.570	#	0.0091	-	
	mg/L	0940	02/08/2001	0001	2.460	#	0.0091	-	
	mg/L	0947	02/07/2001	0001	6.370	E J	#	0.0091	-
	mg/L	0956	02/13/2001	0001	2.460	#	0.0091	-	
	mg/L	0957	02/06/2001	0001	2.300	#	0.0091	-	
	mg/L	1205	02/12/2001	0001	2.480	#	0.0091	-	
	mg/L	1210	02/07/2001	0001	2.420	E J	#	0.0091	-
Selenium	mg/L	0655	02/08/2001	0001	0.0239	#	0.0004	-	
	mg/L	0657	02/08/2001	0001	0.0122	#	0.0001	-	
	mg/L	0658	02/08/2001	0001	0.0132	#	0.0001	-	
	mg/L	0887	02/05/2001	0001	0.239	#	0.04	-	
	mg/L	0888	02/06/2001	0001	0.0004 B	#	0.0001	-	
	mg/L	0894	02/07/2001	0001	0.0073	#	0.0001	-	
	mg/L	0894	02/07/2001	0002	0.008	#	0.0001	-	
	mg/L	0895	02/07/2001	0001	0.0005 B	#	0.0001	-	
	mg/L	0897	02/08/2001	0001	0.0011 B	#	0.0001	-	
	mg/L	0898	02/06/2001	0001	0.0001 U	#	0.0001	-	
	mg/L	0939	02/06/2001	0001	0.147	#	0.01	-	
	mg/L	0940	02/08/2001	0001	0.0005 B	#	0.0001	-	
	mg/L	0947	02/07/2001	0001	0.001 B	#	0.0001	-	
	mg/L	0956	02/13/2001	0001	0.0007 B	#	0.0001	-	
	mg/L	0957	02/06/2001	0001	0.0001 U	#	0.0001	-	
mg/L	1205	02/12/2001	0001	0.0009 B	#	0.0001	-		
mg/L	1210	02/07/2001	0001	0.0003 B	#	0.0001	-		
Sodium	mg/L	0655	02/08/2001	0001	1050.000	#	1.83	-	
	mg/L	0657	02/08/2001	0001	795.000	#	1.83	-	
	mg/L	0658	02/08/2001	0001	841.000	#	1.83	-	
	mg/L	0887	02/05/2001	0001	468.000	#	1.83	-	
	mg/L	0888	02/06/2001	0001	141.000	#	0.0183	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0894	02/07/2001	0001	293.000	#	0.0183	-
	mg/L	0894	02/07/2001	0002	316.000	#	1.83	-
	mg/L	0895	02/07/2001	0001	43.500	#	0.0183	-
	mg/L	0897	02/08/2001	0001	44.900	#	0.0183	-
	mg/L	0898	02/06/2001	0001	46.800	#	0.0183	-
	mg/L	0939	02/06/2001	0001	295.000	#	0.0183	-
	mg/L	0940	02/08/2001	0001	49.900	#	0.0183	-
	mg/L	0947	02/07/2001	0001	147.000	#	0.0183	-
	mg/L	0956	02/13/2001	0001	49.200	#	0.0183	-
	mg/L	0957	02/06/2001	0001	42.500	#	0.0183	-
	mg/L	1205	02/12/2001	0001	47.800	#	0.0183	-
	mg/L	1210	02/07/2001	0001	50.400	#	0.0183	-
Specific Conductance	umhos/cm	0655	02/08/2001	N001	6180	#	-	-
	umhos/cm	0657	02/08/2001	N001	4440	#	-	-
	umhos/cm	0658	02/08/2001	N001	4690	#	-	-
	umhos/cm	0887	02/05/2001	N001	3670	#	-	-
	umhos/cm	0888	02/06/2001	N001	1457	#	-	-
	umhos/cm	0894	02/07/2001	N001	2640	#	-	-
	umhos/cm	0895	02/07/2001	N001	642	#	-	-
	umhos/cm	0897	02/08/2001	N001	652	#	-	-
	umhos/cm	0898	02/06/2001	N001	671	#	-	-
	umhos/cm	0939	02/06/2001	N001	3820	#	-	-
	umhos/cm	0940	02/08/2001	N001	868	#	-	-
	umhos/cm	0947	02/07/2001	N001	1494	#	-	-
	umhos/cm	0956	02/13/2001	N001	682	#	-	-
	umhos/cm	0957	02/06/2001	N001	645	#	-	-
	umhos/cm	1205	02/12/2001	N001	650	#	-	-
	umhos/cm	1210	02/07/2001	N001	677	#	-	-
Strontium	mg/L	0655	02/08/2001	0001	10.100	#	0.01	-
	mg/L	0657	02/08/2001	0001	10.000	#	0.01	-
	mg/L	0658	02/08/2001	0001	10.500	#	0.01	-
	mg/L	0887	02/05/2001	0001	6.490	#	0.01	-
	mg/L	0888	02/06/2001	0001	1.680	#	0.0001	-
	mg/L	0894	02/07/2001	0001	2.950	#	0.0001	-
	mg/L	0894	02/07/2001	0002	3.190	#	0.0001	-
	mg/L	0895	02/07/2001	0001	0.824	#	0.0001	-
	mg/L	0897	02/08/2001	0001	0.854	#	0.0001	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION		SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN-CERTAINTY
		ID		DATE	ID		LAB	DATA QA		
Strontium	mg/L	0898		02/06/2001	0001	0.869	#		0.0001	-
	mg/L	0939		02/06/2001	0001	4.800	#		0.0001	-
	mg/L	0940		02/08/2001	0001	0.903	#		0.0001	-
	mg/L	0947		02/07/2001	0001	1.720	#		0.0001	-
	mg/L	0956		02/13/2001	0001	0.985	#		0.0001	-
	mg/L	0957		02/06/2001	0001	0.867	#		0.0001	-
	mg/L	1205		02/12/2001	0001	0.885	#		0.0001	-
	mg/L	1210		02/07/2001	0001	0.887	#		0.0001	-
Sulfate	mg/L	0655		02/08/2001	0001	3370.000	#		1.4725	-
	mg/L	0657		02/08/2001	0001	2170.000	#		1.4725	-
	mg/L	0658		02/08/2001	0001	2220.000	#		1.4725	-
	mg/L	0887		02/05/2001	0001	2640.000	#		1.4725	-
	mg/L	0888		02/06/2001	0001	573.000	#		0.0589	-
	mg/L	0894		02/07/2001	0001	1020.000	#		0.2356	-
	mg/L	0894		02/07/2001	0002	1390.000	#		0.2356	-
	mg/L	0895		02/07/2001	0001	174.000	#		0.0589	-
	mg/L	0897		02/08/2001	0001	178.000	#		0.0589	-
	mg/L	0898		02/06/2001	0001	190.000	#		0.0589	-
	mg/L	0939		02/06/2001	0001	1950.000	#		0.2356	-
	mg/L	0940		02/08/2001	0001	211.000	#		0.0589	-
	mg/L	0947		02/07/2001	0001	585.000	#		0.0589	-
	mg/L	0956		02/13/2001	0001	176.000	#		0.0589	-
	mg/L	0957		02/06/2001	0001	175.000	#		0.0589	-
	mg/L	1205		02/12/2001	0001	181.000	#		0.0589	-
mg/L	1210		02/07/2001	0001	196.000	#		0.0589	-	
Temperature	C	0655		02/08/2001	N001	3.4	#		-	-
	C	0657		02/08/2001	N001	4.4	#		-	-
	C	0658		02/08/2001	N001	3.4	#		-	-
	C	0887		02/05/2001	N001	5.3	#		-	-
	C	0888		02/06/2001	N001	6.9	#		-	-
	C	0894		02/07/2001	N001	8.4	#		-	-
	C	0895		02/07/2001	N001	8	#		-	-
	C	0897		02/08/2001	N001	5.9	#		-	-
	C	0898		02/06/2001	N001	5.8	#		-	-
	C	0939		02/06/2001	N001	3.7	#		-	-
	C	0940		02/08/2001	N001	6.1	#		-	-
	C	0947		02/07/2001	N001	6.9	#		-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0956	02/13/2001	N001	2.5	#	-	-
	C	0957	02/06/2001	N001	3.4	#	-	-
	C	1205	02/12/2001	N001	6.6	#	-	-
	C	1210	02/07/2001	N001	7.3	#	-	-
Temperature of Zobell Soluti	C	0655	02/08/2001	N001	10.3	#	-	-
	C	0657	02/08/2001	N001	10.3	#	-	-
	C	0658	02/08/2001	N001	10.1	#	-	-
	C	0887	02/05/2001	N001	13.5	#	-	-
	C	0888	02/06/2001	N001	11	#	-	-
	C	0894	02/07/2001	N001	14	#	-	-
	C	0895	02/07/2001	N001	14.4	#	-	-
	C	0897	02/08/2001	N001	12.6	#	-	-
	C	0898	02/06/2001	N001	10.7	#	-	-
	C	0939	02/06/2001	N001	9	#	-	-
	C	0940	02/08/2001	N001	9.8	#	-	-
	C	0947	02/07/2001	N001	10	#	-	-
	C	0956	02/13/2001	N001	5.5	#	-	-
	C	0957	02/06/2001	N001	9	#	-	-
	C	1205	02/12/2001	N001	8.1	#	-	-
	C	1210	02/07/2001	N001	10.6	#	-	-
Total Dissolved Solids	mg/L	0655	02/08/2001	0001	5440	#	10	-
	mg/L	0657	02/08/2001	0001	3400	#	10	-
	mg/L	0658	02/08/2001	0001	3530	#	10	-
	mg/L	0887	02/05/2001	0001	5000	#	10	-
	mg/L	0888	02/06/2001	0001	1070	#	10	-
	mg/L	0894	02/07/2001	0001	1930	#	10	-
	mg/L	0894	02/07/2001	0002	2020	#	10	-
	mg/L	0895	02/07/2001	0001	460	#	10	-
	mg/L	0897	02/08/2001	0001	420	#	10	-
	mg/L	0898	02/06/2001	0001	453	#	10	-
	mg/L	0939	02/06/2001	0001	3570	#	10	-
	mg/L	0940	02/08/2001	0001	497	#	10	-
	mg/L	0947	02/07/2001	0001	1080	#	10	-
	mg/L	0956	02/13/2001	0001	430	#	10	-
	mg/L	0957	02/06/2001	0001	437	#	10	-
	mg/L	1205	02/12/2001	0001	432	#	10	-
mg/L	1210	02/07/2001	0001	473	#	10	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
		ID	DATE	ID		LAB DATA QA			
Uranium	mg/L	0655	02/08/2001	0001	0.0484		#	0.0001	-
	mg/L	0657	02/08/2001	0001	0.0258		#	0.0001	-
	mg/L	0658	02/08/2001	0001	0.0263		#	0.0001	-
	mg/L	0887	02/05/2001	0001	0.056		#	0.0001	-
	mg/L	0888	02/06/2001	0001	0.0044		#	0.0001	-
	mg/L	0894	02/07/2001	0001	0.014		#	0.0001	-
	mg/L	0894	02/07/2001	0002	0.0149		#	0.0001	-
	mg/L	0895	02/07/2001	0001	0.0021		#	0.0001	-
	mg/L	0897	02/08/2001	0001	0.002		#	0.0001	-
	mg/L	0898	02/06/2001	0001	0.0023		#	0.0001	-
	mg/L	0939	02/06/2001	0001	0.0357		#	0.0001	-
	mg/L	0940	02/08/2001	0001	0.0055		#	0.0001	-
	mg/L	0947	02/07/2001	0001	0.0044		#	0.0001	-
	mg/L	0956	02/13/2001	0001	0.0019		#	0.0001	-
	mg/L	0957	02/06/2001	0001	0.0022		#	0.0001	-
	mg/L	1205	02/12/2001	0001	0.0021		#	0.0001	-
	mg/L	1210	02/07/2001	0001	0.0027		#	0.0001	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	UN- 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 #2/1/2001# and #3/31/2001#

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 compound (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.
- J Estimated

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: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
			DATE	ID		LAB DATA	QA		
Alkalinity as CaCO3	mg/L	0425	02/13/2001	0001	690			#	-
	mg/L	0425	02/13/2001	N001	697			#	-
	mg/L	0426	02/13/2001	0001	270			#	-
	mg/L	0426	02/13/2001	N001	295			#	-
	mg/L	0662	02/08/2001	0001	89			#	-
	mg/L	0662	02/08/2001	N001	87			#	-
	mg/L	0786	02/07/2001	0001	345			#	-
	mg/L	0786	02/07/2001	N001	329			#	-
	mg/L	0884	02/05/2001	0001	275			#	-
	mg/L	0884	02/05/2001	N001	304			#	-
	mg/L	0885	02/08/2001	0001	750			#	-
	mg/L	0885	02/08/2001	N001	825			#	-
	mg/L	0886	02/09/2001	0001	688			#	-
	mg/L	0886	02/09/2001	N001	700			#	-
	mg/L	0889	02/09/2001	0001	565			#	-
	mg/L	0889	02/09/2001	N001	570			#	-
	mg/L	0933	02/07/2001	0001	429			#	-
	mg/L	0933	02/07/2001	N001	412			#	-
	mg/L	0934	02/08/2001	0001	263			#	-
	mg/L	0934	02/08/2001	N001	265			#	-
	mg/L	0935	02/07/2001	0001	349			#	-
	mg/L	0935	02/07/2001	N001	430			#	-
	mg/L	0936	02/07/2001	0001	296			#	-
	mg/L	0936	02/07/2001	N001	308			#	-
	mg/L	0942	02/05/2001	0001	290			#	-
	mg/L	0942	02/05/2001	N001	288			#	-
	Ammonium	mg/L	0425	02/13/2001	0001	0.323			#
mg/L		0425	02/13/2001	0002	0.346			#	0.0047
mg/L		0426	02/13/2001	0001	0.0047 U			#	0.0047
mg/L		0662	02/08/2001	0001	0.0285 B			#	0.0047
mg/L		0786	02/07/2001	0001	0.0047 U			#	0.0047
mg/L		0884	02/05/2001	0001	0.0179 B			#	0.0047
mg/L		0885	02/08/2001	0001	5.250			#	0.0047
mg/L		0886	02/09/2001	0001	0.895			#	0.0047
mg/L		0889	02/09/2001	0001	0.279			#	0.0047
mg/L		0933	02/07/2001	0001	0.0461 B			#	0.0047
mg/L		0934	02/08/2001	0001	0.0047 U			#	0.0047

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION		SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN-CERTAINTY
		ID		DATE	ID		LAB DATA	QA		
Ammonium	mg/L	0935		02/07/2001	0001	0.0047	U	#	0.0047	-
	mg/L	0936		02/07/2001	0001	0.0618	B	#	0.0047	-
	mg/L	0942		02/05/2001	0001	0.006	B	#	0.0047	-
Calcium	mg/L	0425		02/13/2001	0001	477.000		#	1.8925	-
	mg/L	0425		02/13/2001	0002	474.000		#	1.8925	-
	mg/L	0426		02/13/2001	0001	433.000		#	0.0757	-
	mg/L	0662		02/08/2001	0001	162.000		#	0.0757	-
	mg/L	0786		02/07/2001	0001	465.000		#	0.0757	-
	mg/L	0884		02/05/2001	0001	489.000		#	1.8925	-
	mg/L	0885		02/08/2001	0001	423.000		#	0.0757	-
	mg/L	0886		02/09/2001	0001	386.000		#	0.0757	-
	mg/L	0889		02/09/2001	0001	378.000		#	0.0757	-
	mg/L	0933		02/07/2001	0001	489.000		#	0.0757	-
	mg/L	0934		02/08/2001	0001	505.000		#	1.8925	-
	mg/L	0935		02/07/2001	0001	468.000		#	0.0757	-
	mg/L	0936		02/07/2001	0001	551.000		#	1.8925	-
	mg/L	0942		02/05/2001	0001	515.000		#	1.8925	-
Chloride	mg/L	0425		02/13/2001	0001	216.000		#	2.4	-
	mg/L	0425		02/13/2001	0002	222.000		#	2.4	-
	mg/L	0426		02/13/2001	0001	107.000		#	0.6	-
	mg/L	0662		02/08/2001	0001	61.900		#	0.6	-
	mg/L	0786		02/07/2001	0001	163.000		#	0.6	-
	mg/L	0884		02/05/2001	0001	48.600		#	0.096	-
	mg/L	0885		02/08/2001	0001	253.000		#	2.4	-
	mg/L	0886		02/09/2001	0001	1420.000		#	9.6	-
	mg/L	0889		02/09/2001	0001	1460.000		#	9.6	-
	mg/L	0933		02/07/2001	0001	31.800		#	0.6	-
	mg/L	0934		02/08/2001	0001	64.800		#	0.096	-
	mg/L	0935		02/07/2001	0001	202.000		#	0.6	-
	mg/L	0936		02/07/2001	0001	181.000		#	0.6	-
	mg/L	0942		02/05/2001	0001	64.600		#	0.096	-
Magnesium	mg/L	0425		02/13/2001	0001	617.000		#	0.52	-
	mg/L	0425		02/13/2001	0002	586.000		#	0.52	-
	mg/L	0426		02/13/2001	0001	251.000		#	0.0052	-
	mg/L	0662		02/08/2001	0001	32.400		#	0.0052	-
	mg/L	0786		02/07/2001	0001	419.000		#	0.0052	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0884	02/05/2001	0001	179.000	#	0.0052	-
	mg/L	0885	02/08/2001	0001	548.000	#	0.52	-
	mg/L	0886	02/09/2001	0001	1020.000	#	0.52	-
	mg/L	0889	02/09/2001	0001	1170.000	#	0.52	-
	mg/L	0933	02/07/2001	0001	484.000	#	0.0052	-
	mg/L	0934	02/08/2001	0001	161.000	#	0.0052	-
	mg/L	0935	02/07/2001	0001	497.000	#	0.52	-
	mg/L	0936	02/07/2001	0001	314.000	#	0.0052	-
	mg/L	0942	02/05/2001	0001	207.000	#	0.0052	-
Manganese	mg/L	0425	02/13/2001	0001	0.181	#	0.0002	-
	mg/L	0425	02/13/2001	0002	0.186	#	0.0002	-
	mg/L	0426	02/13/2001	0001	0.0014 B	#	0.0002	-
	mg/L	0662	02/08/2001	0001	0.0187	#	0.0002	-
	mg/L	0786	02/07/2001	0001	0.001 B	#	0.0002	-
	mg/L	0884	02/05/2001	0001	0.0011 B	#	0.0002	-
	mg/L	0885	02/08/2001	0001	1.330	#	0.0002	-
	mg/L	0886	02/09/2001	0001	0.0885	#	0.0002	-
	mg/L	0889	02/09/2001	0001	0.123	#	0.0002	-
	mg/L	0933	02/07/2001	0001	0.031	#	0.0002	-
	mg/L	0934	02/08/2001	0001	0.0012 B	#	0.0002	-
	mg/L	0935	02/07/2001	0001	0.0016 B	#	0.0002	-
	mg/L	0936	02/07/2001	0001	0.0148	#	0.0002	-
	mg/L	0942	02/05/2001	0001	0.0054 B	#	0.0002	-
	Nitrate	mg/L	0425	02/13/2001	0001	237.000	#	0.785
mg/L		0425	02/13/2001	0002	234.000	#	0.785	-
mg/L		0426	02/13/2001	0001	115.000	#	0.1256	-
mg/L		0662	02/08/2001	0001	10.100	#	0.0314	-
mg/L		0786	02/07/2001	0001	274.000	#	0.785	-
mg/L		0884	02/05/2001	0001	128.000	#	0.1256	-
mg/L		0885	02/08/2001	0001	130.000	#	0.1256	-
mg/L		0886	02/09/2001	0001	3400.000	#	78.5	-
mg/L		0889	02/09/2001	0001	3430.000	#	78.5	-
mg/L		0933	02/07/2001	0001	428.000	#	0.785	-
mg/L		0934	02/08/2001	0001	195.000	#	0.1256	-
mg/L		0935	02/07/2001	0001	406.000	#	0.785	-
mg/L		0936	02/07/2001	0001	576.000	#	3.14	-
mg/L		0942	02/05/2001	0001	197.000	#	0.785	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
ORP of Zobell Solution	mV	0425	02/13/2001	N001	245	#	-	-
	mV	0426	02/13/2001	N001	241	#	-	-
	mV	0662	02/08/2001	N001	236	#	-	-
	mV	0786	02/07/2001	N001	229	#	-	-
	mV	0884	02/05/2001	N001	236	#	-	-
	mV	0885	02/08/2001	N001	236	#	-	-
	mV	0886	02/09/2001	N001	249	#	-	-
	mV	0889	02/09/2001	N001	249	#	-	-
	mV	0933	02/07/2001	N001	240	#	-	-
	mV	0934	02/08/2001	N001	239	#	-	-
	mV	0935	02/07/2001	N001	240	#	-	-
	mV	0936	02/07/2001	N001	240	#	-	-
	mV	0942	02/05/2001	N001	239	#	-	-
	Oxidation Reduction Potenti	mV	0425	02/13/2001	N001	219	#	-
mV		0426	02/13/2001	N001	195	#	-	-
mV		0662	02/08/2001	N001	70	#	-	-
mV		0786	02/07/2001	N001	191	#	-	-
mV		0884	02/05/2001	N001	148	#	-	-
mV		0885	02/08/2001	N001	83	#	-	-
mV		0886	02/09/2001	N001	224	#	-	-
mV		0889	02/09/2001	N001	182	#	-	-
mV		0933	02/07/2001	N001	195	#	-	-
mV		0934	02/08/2001	N001	199	#	-	-
mV		0935	02/07/2001	N001	180	#	-	-
mV		0936	02/07/2001	N001	171	#	-	-
mV		0942	02/05/2001	N001	139	#	-	-
pH		s.u.	0425	02/13/2001	N001	7.17	#	-
	s.u.	0426	02/13/2001	N001	7.31	#	-	-
	s.u.	0662	02/08/2001	N001	8.06	#	-	-
	s.u.	0786	02/07/2001	N001	8.13	#	-	-
	s.u.	0884	02/05/2001	N001	7.96	#	-	-
	s.u.	0885	02/08/2001	N001	7.55	#	-	-
	s.u.	0886	02/09/2001	N001	8.03	#	-	-
	s.u.	0889	02/09/2001	N001	8.24	#	-	-
	s.u.	0933	02/07/2001	N001	7.48	#	-	-
	s.u.	0934	02/08/2001	N001	7.04	#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY	
pH	s.u.	0935	02/07/2001	N001	7.2	#	-	-	
	s.u.	0936	02/07/2001	N001	7.26	#	-	-	
	s.u.	0942	02/05/2001	N001	7.22	#	-	-	
Potassium	mg/L	0425	02/13/2001	0001	32.500	#	0.0091	-	
	mg/L	0425	02/13/2001	0002	33.700	#	0.0091	-	
	mg/L	0426	02/13/2001	0001	18.600	#	0.0091	-	
	mg/L	0662	02/08/2001	0001	8.380	#	0.0091	-	
	mg/L	0786	02/07/2001	0001	19.100	#	0.0091	-	
	mg/L	0884	02/05/2001	0001	7.250	#	0.0091	-	
	mg/L	0885	02/08/2001	0001	22.300	#	0.0091	-	
	mg/L	0886	02/09/2001	0001	51.600	#	0.0091	-	
	mg/L	0889	02/09/2001	0001	50.700	#	0.0091	-	
	mg/L	0933	02/07/2001	0001	15.100	E J	#	0.0091	-
	mg/L	0934	02/08/2001	0001	5.510	#	0.0091	-	
	mg/L	0935	02/07/2001	0001	16.000	E J	#	0.0091	-
	mg/L	0936	02/07/2001	0001	11.100	E J	#	0.0091	-
	mg/L	0942	02/05/2001	0001	6.000	#	0.0091	-	
Selenium	mg/L	0425	02/13/2001	0001	0.0302	#	0.0025	-	
	mg/L	0425	02/13/2001	0002	0.0308	#	0.0025	-	
	mg/L	0426	02/13/2001	0001	0.144	#	0.01	-	
	mg/L	0662	02/08/2001	0001	0.013	#	0.0001	-	
	mg/L	0786	02/07/2001	0001	0.152	#	0.04	-	
	mg/L	0884	02/05/2001	0001	0.276	#	0.04	-	
	mg/L	0885	02/08/2001	0001	0.0314	#	0.0004	-	
	mg/L	0886	02/09/2001	0001	1.830	#	4	-	
	mg/L	0889	02/09/2001	0001	2.000	#	4	-	
	mg/L	0933	02/07/2001	0001	0.241	#	0.04	-	
	mg/L	0934	02/08/2001	0001	0.148	#	0.01	-	
	mg/L	0935	02/07/2001	0001	0.225	#	0.04	-	
	mg/L	0936	02/07/2001	0001	0.323	#	0.04	-	
	mg/L	0942	02/05/2001	0001	0.367	#	0.04	-	
Sodium	mg/L	0425	02/13/2001	0001	1030.000	#	1.83	-	
	mg/L	0425	02/13/2001	0002	1030.000	#	1.83	-	
	mg/L	0426	02/13/2001	0001	1100.000	#	1.83	-	
	mg/L	0662	02/08/2001	0001	835.000	#	1.83	-	
	mg/L	0786	02/07/2001	0001	765.000	#	1.83	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0884	02/05/2001	0001	238.000	#	0.0183	-
	mg/L	0885	02/08/2001	0001	1160.000	#	1.83	-
	mg/L	0886	02/09/2001	0001	8150.000	#	45.75	-
	mg/L	0889	02/09/2001	0001	8500.000	#	45.75	-
	mg/L	0933	02/07/2001	0001	749.000	#	1.83	-
	mg/L	0934	02/08/2001	0001	236.000	#	0.0183	-
	mg/L	0935	02/07/2001	0001	746.000	#	1.83	-
	mg/L	0936	02/07/2001	0001	418.000	#	1.83	-
	mg/L	0942	02/05/2001	0001	286.000	#	0.0183	-
Specific Conductance	umhos/cm	0425	02/13/2001	N001	8330	#	-	-
	umhos/cm	0426	02/13/2001	N001	6250	#	-	-
	umhos/cm	0662	02/08/2001	N001	4340	#	-	-
	umhos/cm	0786	02/07/2001	N001	6450	#	-	-
	umhos/cm	0884	02/05/2001	N001	3840	#	-	-
	umhos/cm	0885	02/08/2001	N001	8580	#	-	-
	umhos/cm	0886	02/09/2001	N001	29900	#	-	-
	umhos/cm	0889	02/09/2001	N001	30100	#	-	-
	umhos/cm	0933	02/07/2001	N001	6890	#	-	-
	umhos/cm	0934	02/08/2001	N001	3630	#	-	-
	umhos/cm	0935	02/07/2001	N001	7180	#	-	-
	umhos/cm	0936	02/07/2001	N001	5360	#	-	-
	umhos/cm	0942	02/05/2001	N001	3940	#	-	-
Strontium	mg/L	0425	02/13/2001	0001	8.240	#	0.01	-
	mg/L	0425	02/13/2001	0002	8.280	#	0.01	-
	mg/L	0426	02/13/2001	0001	8.930	#	0.01	-
	mg/L	0662	02/08/2001	0001	10.600	#	0.01	-
	mg/L	0786	02/07/2001	0001	7.340	#	0.01	-
	mg/L	0884	02/05/2001	0001	5.550	#	0.01	-
	mg/L	0885	02/08/2001	0001	8.070	#	0.01	-
	mg/L	0886	02/09/2001	0001	9.310	#	0.01	-
	mg/L	0889	02/09/2001	0001	9.980	#	0.01	-
	mg/L	0933	02/07/2001	0001	7.150	#	0.01	-
	mg/L	0934	02/08/2001	0001	4.740	#	0.0001	-
	mg/L	0935	02/07/2001	0001	7.570	#	0.01	-
	mg/L	0936	02/07/2001	0001	7.390	#	0.01	-
mg/L	0942	02/05/2001	0001	5.780	#	0.01	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0425	02/13/2001	0001	5000.000	#	5.89	-
	mg/L	0425	02/13/2001	0002	5160.000	#	5.89	-
	mg/L	0426	02/13/2001	0001	4000.000	#	1.4725	-
	mg/L	0662	02/08/2001	0001	2230.000	#	1.4725	-
	mg/L	0786	02/07/2001	0001	3610.000	#	1.4725	-
	mg/L	0884	02/05/2001	0001	1990.000	#	1.4725	-
	mg/L	0885	02/08/2001	0001	4760.000	#	5.89	-
	mg/L	0886	02/09/2001	0001	18200.000	#	23.56	-
	mg/L	0889	02/09/2001	0001	19600.000	#	23.56	-
	mg/L	0933	02/07/2001	0001	3690.000	#	1.4725	-
	mg/L	0934	02/08/2001	0001	1910.000	#	0.2356	-
	mg/L	0935	02/07/2001	0001	3870.000	#	1.4725	-
	mg/L	0936	02/07/2001	0001	2560.000	#	1.4725	-
	mg/L	0942	02/05/2001	0001	2140.000	#	1.4725	-
Temperature	C	0425	02/13/2001	N001	8.7	#	-	-
	C	0426	02/13/2001	N001	11.8	#	-	-
	C	0662	02/08/2001	N001	12.4	#	-	-
	C	0786	02/07/2001	N001	9.2	#	-	-
	C	0884	02/05/2001	N001	0	#	-	-
	C	0885	02/08/2001	N001	4.9	#	-	-
	C	0886	02/09/2001	N001	1.6	#	-	-
	C	0889	02/09/2001	N001	1.3	#	-	-
	C	0933	02/07/2001	N001	7.6	#	-	-
	C	0934	02/08/2001	N001	10.1	#	-	-
	C	0935	02/07/2001	N001	4.8	#	-	-
	C	0936	02/07/2001	N001	10.6	#	-	-
C	0942	02/05/2001	N001	15.5	#	-	-	
Temperature of Zobell Soluti	C	0425	02/13/2001	N001	7.6	#	-	-
	C	0426	02/13/2001	N001	7.1	#	-	-
	C	0662	02/08/2001	N001	11.4	#	-	-
	C	0786	02/07/2001	N001	14	#	-	-
	C	0884	02/05/2001	N001	13.5	#	-	-
	C	0885	02/08/2001	N001	11.4	#	-	-
	C	0886	02/09/2001	N001	4	#	-	-
	C	0889	02/09/2001	N001	4	#	-	-
	C	0933	02/07/2001	N001	10.6	#	-	-
C	0934	02/08/2001	N001	10.1	#	-	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature of Zobell Soluti	C	0935	02/07/2001	N001	10.6	#	-	-
	C	0936	02/07/2001	N001	10.6	#	-	-
	C	0942	02/05/2001	N001	12.7	#	-	-
Total Dissolved Solids	mg/L	0425	02/13/2001	0001	8830	#	10	-
	mg/L	0425	02/13/2001	0002	9070	#	10	-
	mg/L	0426	02/13/2001	0001	6640	#	10	-
	mg/L	0662	02/08/2001	0001	3480	#	10	-
	mg/L	0786	02/07/2001	0001	6660	#	10	-
	mg/L	0884	02/05/2001	0001	3530	#	10	-
	mg/L	0885	02/08/2001	0001	8830	#	10	-
	mg/L	0886	02/09/2001	0001	34900	#	10	-
	mg/L	0889	02/09/2001	0001	35700	#	10	-
	mg/L	0933	02/07/2001	0001	8160	#	10	-
	mg/L	0934	02/08/2001	0001	3530	#	10	-
	mg/L	0935	02/07/2001	0001	7080	#	10	-
	mg/L	0936	02/07/2001	0001	5140	#	10	-
	mg/L	0942	02/05/2001	0001	3900	#	10	-
Turbidity	NTU	0942	02/05/2001	N001	2.02	#	-	-
Uranium	mg/L	0425	02/13/2001	0001	0.523	#	0.0001	-
	mg/L	0425	02/13/2001	0002	0.516	#	0.0001	-
	mg/L	0426	02/13/2001	0001	0.246	#	0.0001	-
	mg/L	0662	02/08/2001	0001	0.0227	#	0.0001	-
	mg/L	0786	02/07/2001	0001	0.0435	#	0.0001	-
	mg/L	0884	02/05/2001	0001	0.0364	#	0.0001	-
	mg/L	0885	02/08/2001	0001	1.240	#	0.0025	-
	mg/L	0886	02/09/2001	0001	0.173	#	0.0001	-
	mg/L	0889	02/09/2001	0001	0.166	#	0.0001	-
	mg/L	0933	02/07/2001	0001	0.0829	#	0.0001	-
	mg/L	0934	02/08/2001	0001	0.0361	#	0.0001	-
	mg/L	0935	02/07/2001	0001	0.0661	#	0.0001	-
	mg/L	0936	02/07/2001	0001	0.0501	#	0.0001	-
	mg/L	0942	02/05/2001	0001	0.0363	#	0.0001	-
Uranium-234	pCi/L	0425	02/13/2001	0001	210	#	0.32	±
	pCi/L	0425	02/13/2001	0002	215	#	0.32	±
	pCi/L	0885	02/08/2001	0001	421	#	0.32	±
	pCi/L	0886	02/09/2001	0001	139	#	0.32	±

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:22 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN-CERTAINTY
			DATE	ID		LAB DATA	QA		
Uranium-234	pCi/L	0934	02/08/2001	0001	21.6		#	0.32	±
	pCi/L	0935	02/07/2001	0001	38.2		#	0.32	±
	pCi/L	0942	02/05/2001	0001	22		#	0.32	±
Uranium-238	pCi/L	0425	02/13/2001	0001	192		#	10	±
	pCi/L	0425	02/13/2001	0002	190		#	2.5	±
	pCi/L	0885	02/08/2001	0001	573		#	62.5	±
	pCi/L	0886	02/09/2001	0001	60.8	E	#	0.1	±
	pCi/L	0934	02/08/2001	0001	18.3	E	#	0.1	±
	pCi/L	0935	02/07/2001	0001	26.7	E	#	0.1	±
	pCi/L	0942	02/05/2001	0001	17	E	#	0.1	±

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 #2/1/2001# and #3/31/2001#

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 compound (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.
- J Estimated

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.

Blanks Data for Shiprock 02/2001 Sampling Event

05/17/2001

ANALYTE	SITE CODE	LOCATION CODE	DATE	SAMPLE ID	UNIT	RESULT	LAB QUAL	DATA VAL QUAL	DETECT LIMIT	UNCERTAINTY	SAMPLE TYPE
Ammonium	SHP02	0999	02/07/2001	0001	mg/L	0.0048	B		0.0047		E
Ammonium	SHP01	0999	02/15/2001	0001	mg/L	0.0047	U		0.0047		E
Ammonium	SHP02	0999	02/09/2001	0001	mg/L	0.0048	B		0.0047		E
Ammonium	SHP01	0999	02/15/2001	0002	mg/L	0.0047	U		0.0047		E
Ammonium	SHP02	0999	02/09/2001	0002	mg/L	0.0068	B		0.0047		E
Calcium	SHP01	0999	02/15/2001	0001	mg/L	0.681			0.0757		E
Calcium	SHP02	0999	02/07/2001	0001	mg/L	0.352	B	U	0.0757		E
Calcium	SHP02	0999	02/09/2001	0001	mg/L	0.692		U	0.0757		E
Calcium	SHP02	0999	02/09/2001	0002	mg/L	24.6			0.0757		E
Calcium	SHP01	0999	02/15/2001	0002	mg/L	0.0832	B		0.0757		E
Chloride	SHP02	0999	02/07/2001	0001	mg/L	0.0543	B	U	0.024		E
Chloride	SHP02	0999	02/09/2001	0001	mg/L	0.0314	B		0.024		E
Chloride	SHP01	0999	02/15/2001	0001	mg/L	0.286	B		0.024		E
Chloride	SHP01	0999	02/15/2001	0002	mg/L	0.202	B		0.024		E
Chloride	SHP02	0999	02/09/2001	0002	mg/L	3.84			0.024		E
Magnesium	SHP02	0999	02/07/2001	0001	mg/L	0.044	B		0.0052		E
Magnesium	SHP02	0999	02/09/2001	0001	mg/L	0.0503	B	U	0.0052		E
Magnesium	SHP01	0999	02/15/2001	0001	mg/L	0.0962	B		0.0052		E
Magnesium	SHP02	0999	02/09/2001	0002	mg/L	6.87			0.0052		E
Magnesium	SHP01	0999	02/15/2001	0002	mg/L	0.01	B		0.0052		E
Manganese	SHP02	0999	02/07/2001	0001	mg/L	0.00025	B		0.0002		E
Manganese	SHP02	0999	02/09/2001	0001	mg/L	0.0014	B		0.0002		E
Manganese	SHP01	0999	02/15/2001	0001	mg/L	0.003	B		0.0002		E
Manganese	SHP02	0999	02/09/2001	0002	mg/L	0.0026	B		0.0002		E
Manganese	SHP01	0999	02/15/2001	0002	mg/L	0.0002	U		0.0002		E
Nitrate	SHP02	0999	02/07/2001	0001	mg/L	0.25	B		0.0314		E
Nitrate	SHP02	0999	02/09/2001	0001	mg/L	0.0314	U		0.0314		E
Nitrate	SHP01	0999	02/15/2001	0001	mg/L	0.819	B		0.0314		E
Nitrate	SHP02	0999	02/09/2001	0002	mg/L	0.769	B		0.0314		E
Nitrate	SHP01	0999	02/15/2001	0002	mg/L	0.268	B		0.0314		E
Potassium	SHP02	0999	02/07/2001	0001	mg/L	0.102	E	UJ	0.0091		E
Potassium	SHP01	0999	02/15/2001	0001	mg/L	0.102	E	J	0.0091		E
Potassium	SHP02	0999	02/09/2001	0001	mg/L	0.104		U	0.0091		E
Potassium	SHP02	0999	02/09/2001	0002	mg/L	2.75	E	J	0.0091		E
Potassium	SHP01	0999	02/15/2001	0002	mg/L	0.0857	BE	J	0.0091		E
Selenium	SHP02	0999	02/07/2001	0001	mg/L	0.0001	U		0.0001		E
Selenium	SHP02	0999	02/09/2001	0001	mg/L	0.0001	U		0.0001		E
Selenium	SHP01	0999	02/15/2001	0001	mg/L	0.0001	U		0.0001		E
Selenium	SHP02	0999	02/09/2001	0002	mg/L	0.0001	U		0.0001		E
Selenium	SHP01	0999	02/15/2001	0002	mg/L	0.0001	U		0.0001		E
Sodium	SHP02	0999	02/09/2001	0001	mg/L	1.59		U	0.0183		E

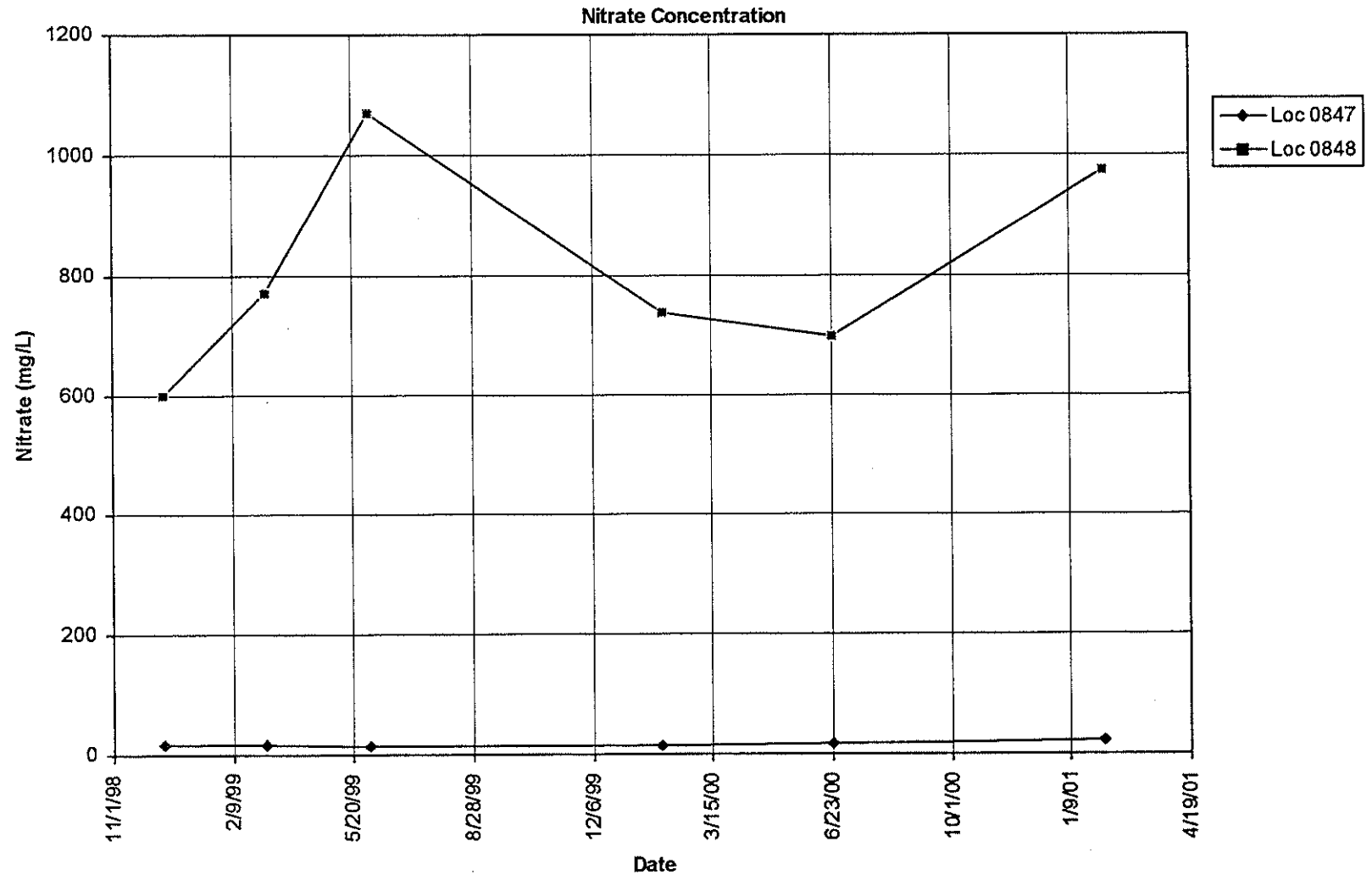
Blanks Data for Shiprock 02/2001 Sampling Event

05/17/2001

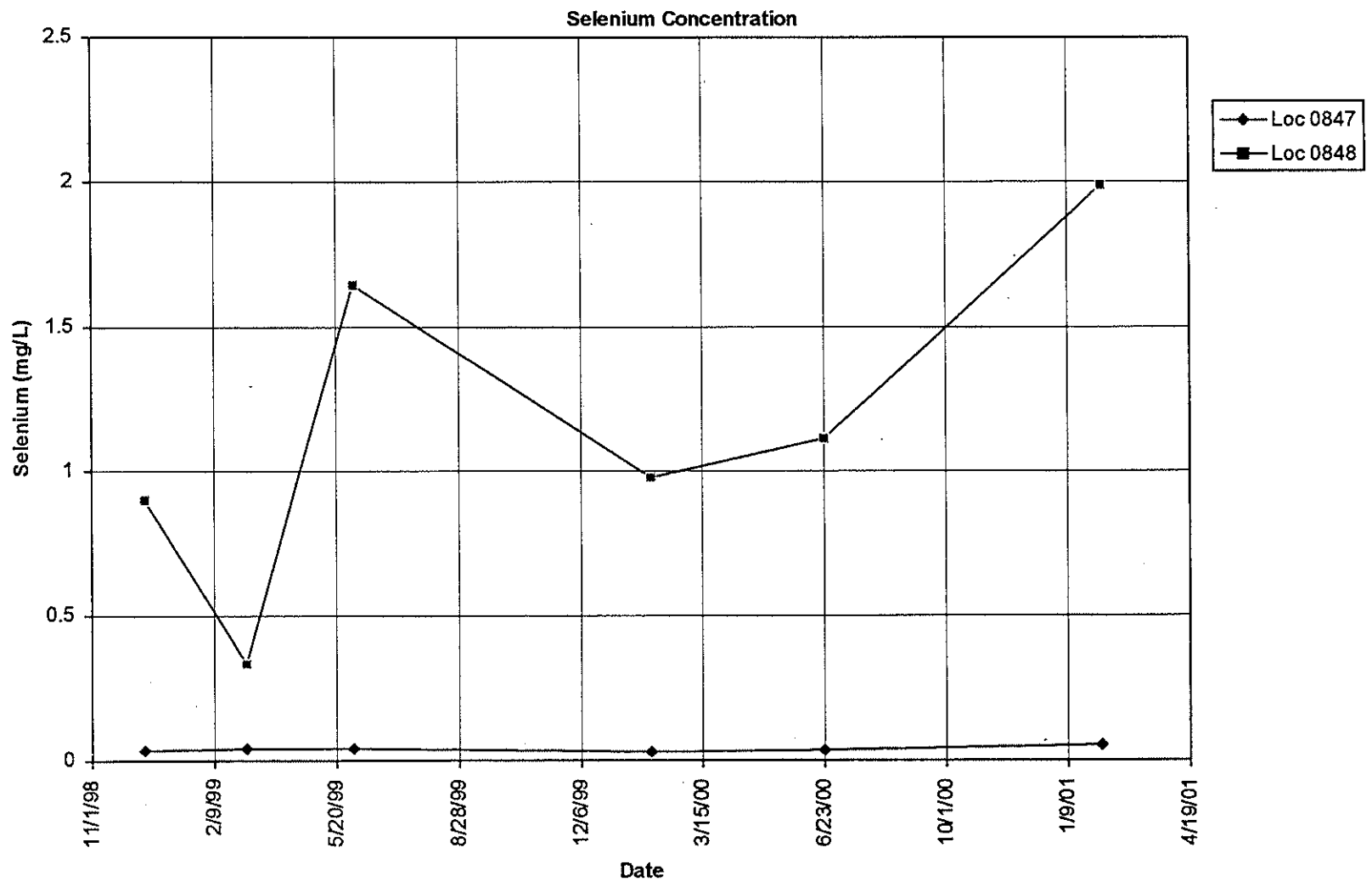
ANALYTE	SITE_CODE	LOCATION_CODE	DATE	SAMPLE_ID	UNIT	RESULT	LAB_QUAL	DATA_VAL_QUAL	DETECT_LIMIT	UNCERTAINTY	SAMPLE_TYPE
Sodium	SHP01	0999	02/15/2001	0001	mg/L	0.804	B	U	0.0183		E
Sodium	SHP02	0999	02/07/2001	0001	mg/L	1.21			0.0183		E
Sodium	SHP02	0999	02/09/2001	0002	mg/L	73			0.0183		E
Sodium	SHP01	0999	02/15/2001	0002	mg/L	0.449	B	U	0.0183		E
Strontium	SHP02	0999	02/09/2001	0001	mg/L	0.00086	B	U	0.0001		E
Strontium	SHP01	0999	02/15/2001	0001	mg/L	0.0023	B		0.0001		E
Strontium	SHP02	0999	02/07/2001	0001	mg/L	0.00081	B		0.0001		E
Strontium	SHP02	0999	02/09/2001	0002	mg/L	0.649			0.0001		E
Strontium	SHP01	0999	02/15/2001	0002	mg/L	0.00028	B	U	0.0001		E
Sulfate	SHP02	0999	02/07/2001	0001	mg/L	0.214	B		0.0589		E
Sulfate	SHP02	0999	02/09/2001	0001	mg/L	0.105	B		0.0589		E
Sulfate	SHP01	0999	02/15/2001	0001	mg/L	3.21			0.0589		E
Sulfate	SHP02	0999	02/09/2001	0002	mg/L	37.9			0.0589		E
Sulfate	SHP01	0999	02/15/2001	0002	mg/L	0.0589	U		0.0589		E
Total Dissolved Solids	SHP02	0999	02/07/2001	0001	mg/L	10	U		10		E
Total Dissolved Solids	SHP01	0999	02/15/2001	0001	mg/L	35			10		E
Total Dissolved Solids	SHP02	0999	02/09/2001	0001	mg/L	10	U		10		E
Total Dissolved Solids	SHP02	0999	02/09/2001	0002	mg/L	323			10		E
Total Dissolved Solids	SHP01	0999	02/15/2001	0002	mg/L	33			10		E
Uranium	SHP02	0999	02/07/2001	0001	mg/L	0.00016		U	0.0001		E
Uranium	SHP02	0999	02/09/2001	0001	mg/L	0.0001			0.0001		E
Uranium	SHP01	0999	02/15/2001	0001	mg/L	0.0001			0.0001		E
Uranium	SHP02	0999	02/09/2001	0002	mg/L	0.00019		U	0.0001		E
Uranium	SHP01	0999	02/15/2001	0002	mg/L	0.0001			0.0001		E
Uranium-234	SHP02	0999	02/09/2001	0002	pCi/L	0.33	B	U	0.32		E
Uranium-234	SHP01	0999	02/15/2001	0002	pCi/L	0.32	U		0.32		E
Uranium-238	SHP02	0999	02/09/2001	0002	pCi/L	0.14	BE		0.1		E
Uranium-238	SHP01	0999	02/15/2001	0002	pCi/L	0.1	U		0.1		E

TIME VERSUS CONCENTRATION GRAPHS

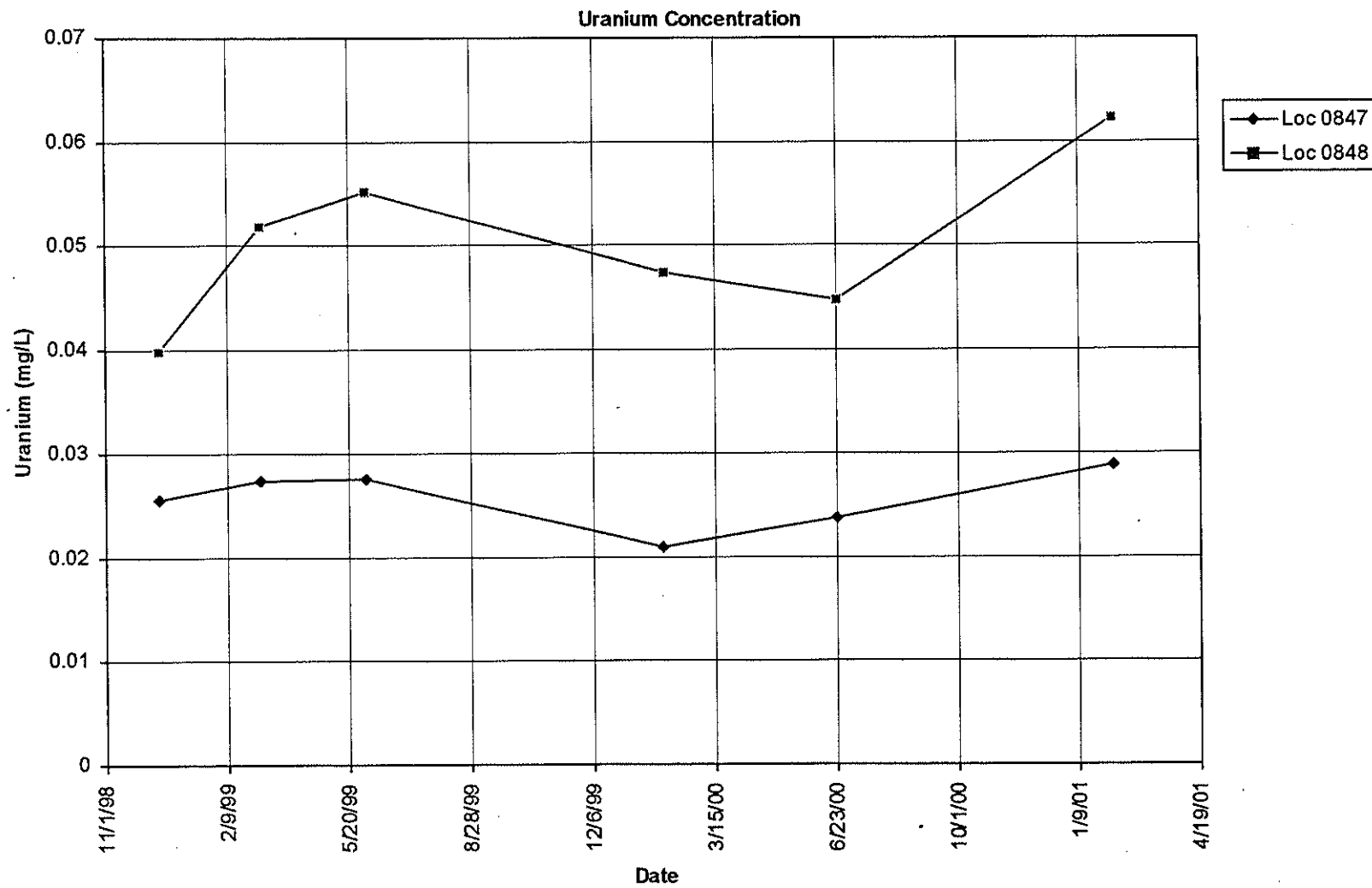
SHIPROCK (TAILINGS AREA) (SHP02)



SHIPROCK (TAILINGS AREA) (SHP02)

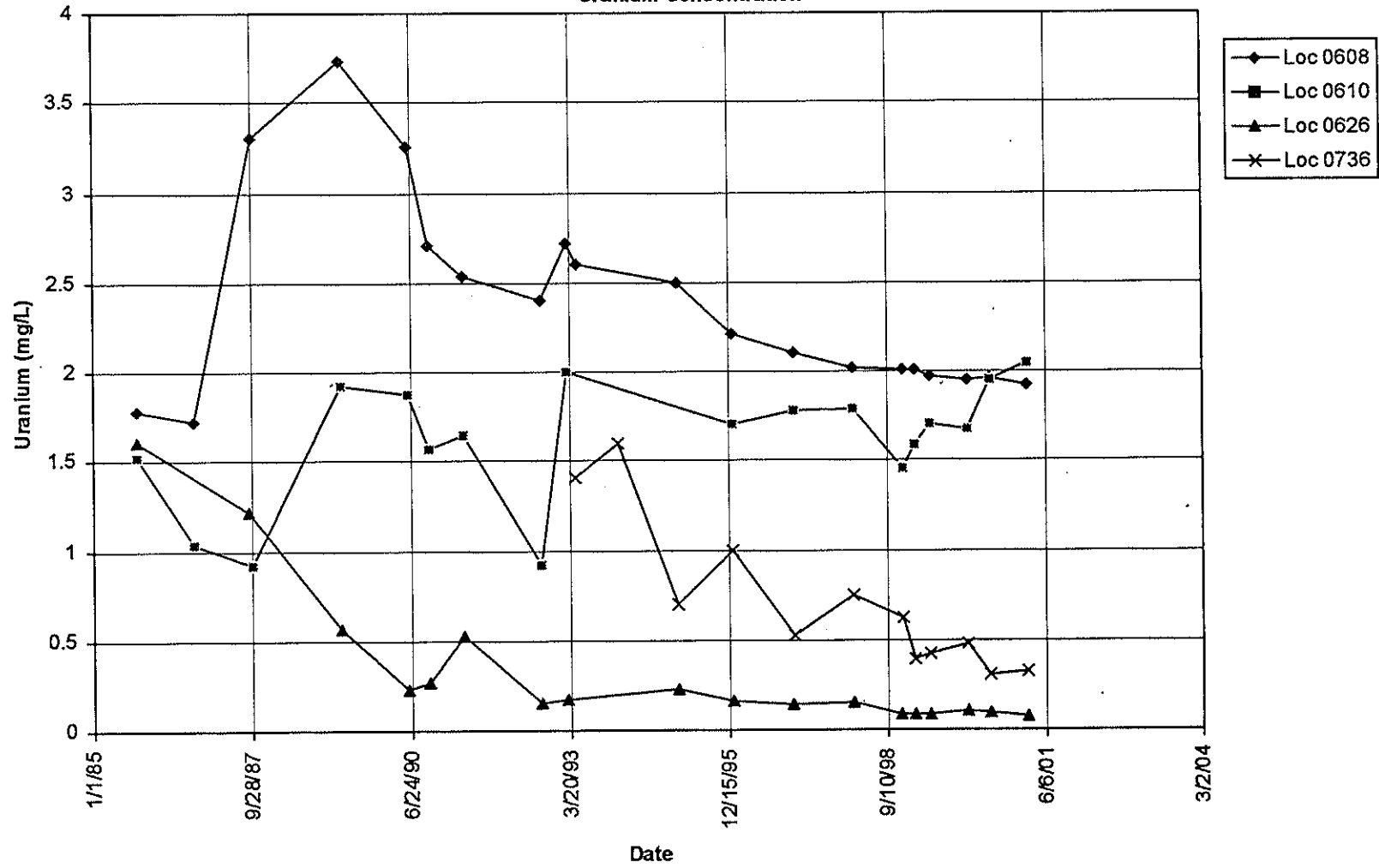


SHIPROCK (TAILINGS AREA) (SHP02)



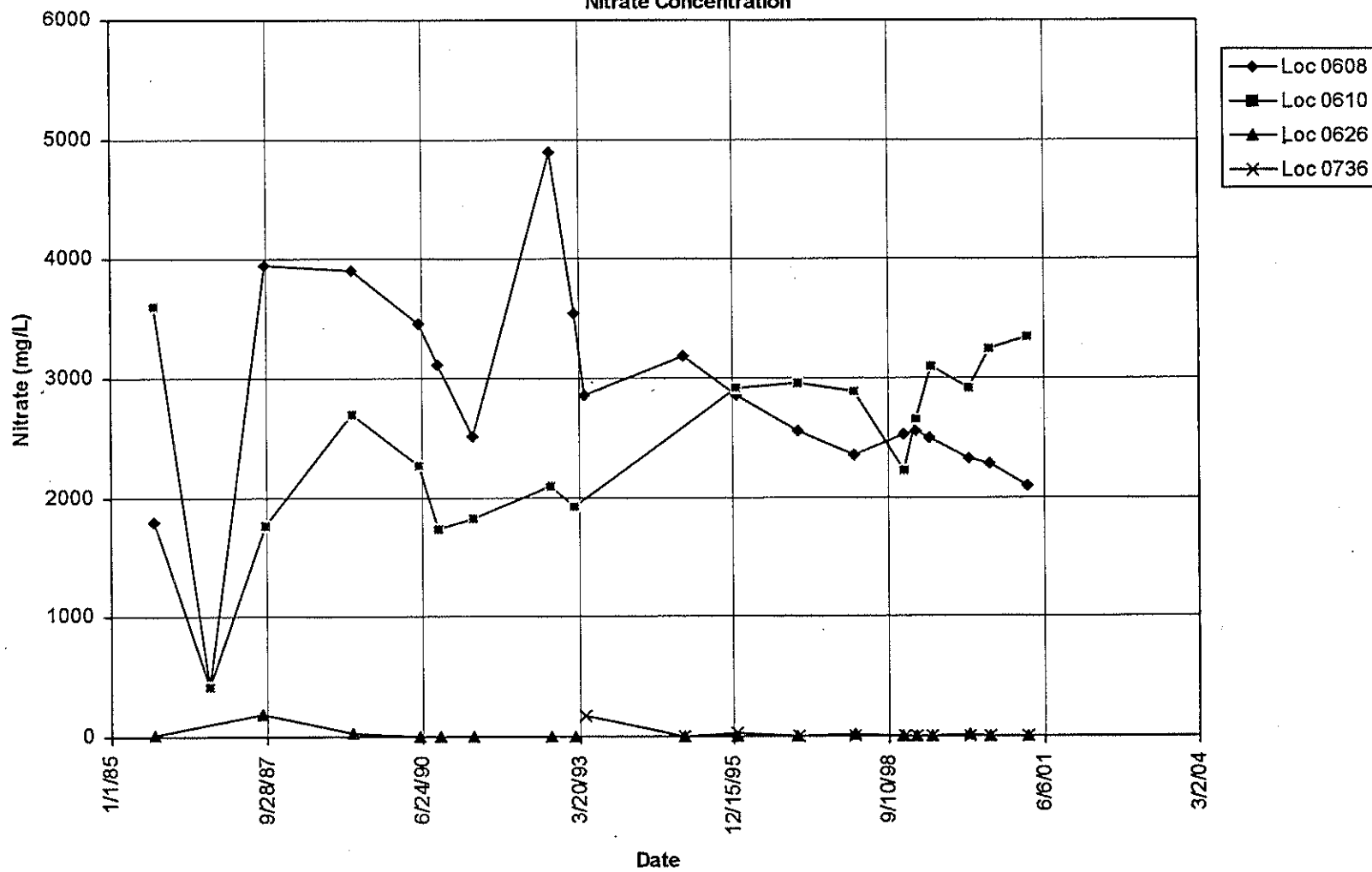
SHIPROCK (SHP01)

Uranium Concentration

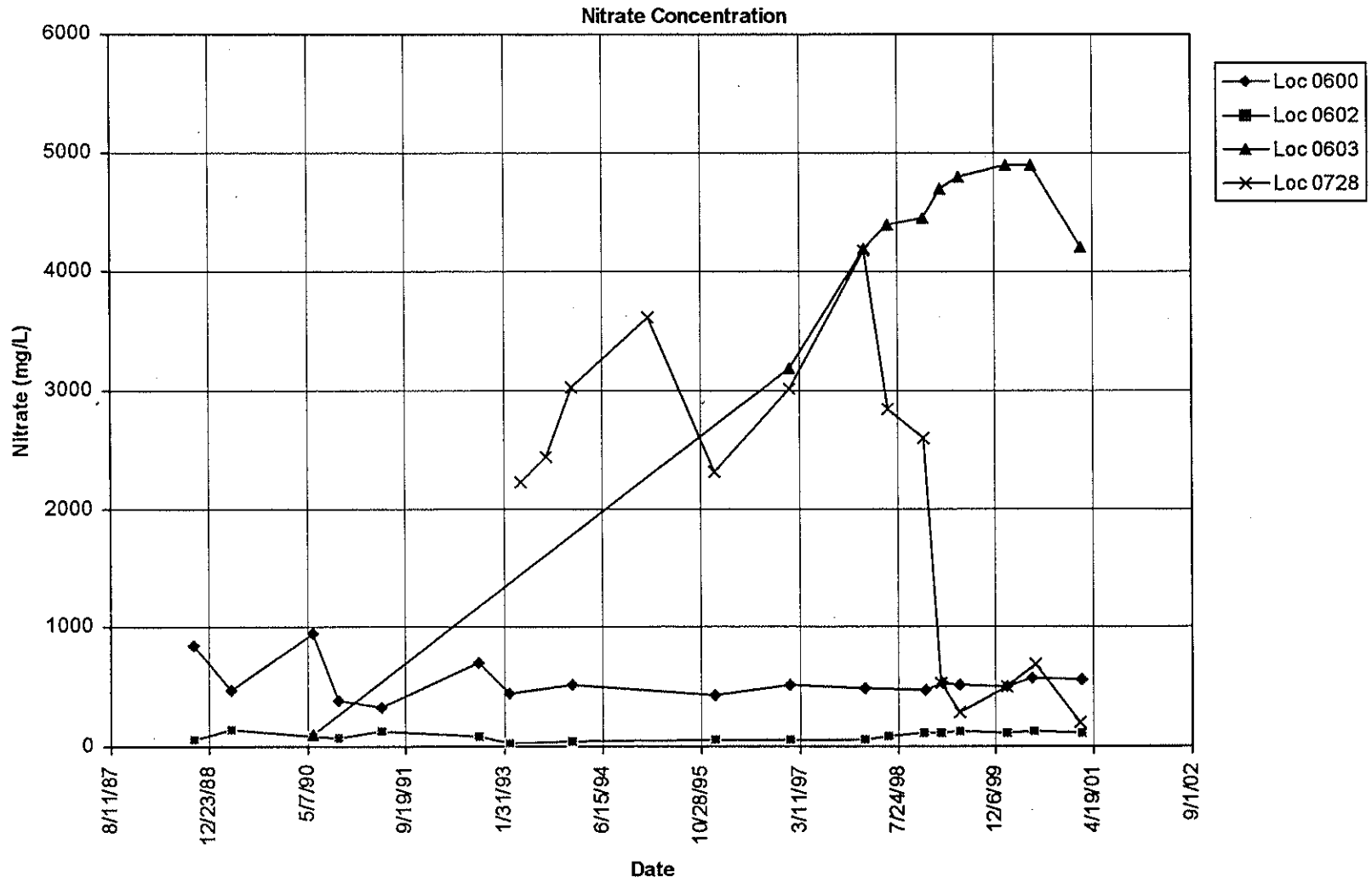


SHIPROCK (SHP01)

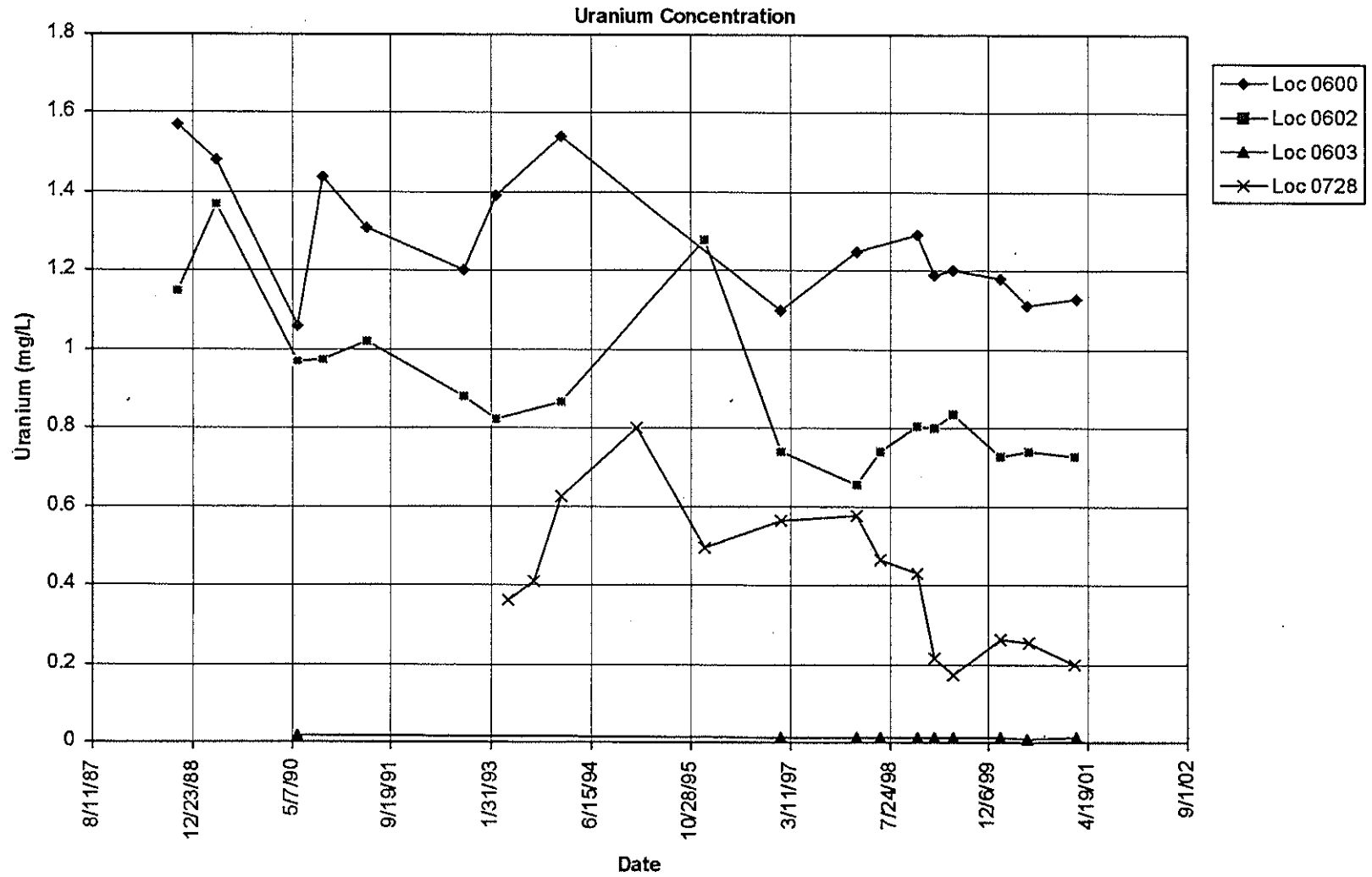
Nitrate Concentration



SHIPROCK (TAILINGS AREA) (SHP02)



SHIPROCK (TAILINGS AREA) (SHP02)



WATER LEVELS

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:43 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)	WATER LEVEL FLAG
			DATE	TIME			
0608		4893.35	02/13/2001	13:57	5.91	4887.44	
0610		4895.70	02/13/2001	17:02	9.40	4886.30	
0614		4892.79	02/13/2001	15:34	7.27	4885.52	
0615		4892.23	02/14/2001	09:07	7.23	4885.00	
0616		4891.90	02/13/2001	14:14	7.62	4884.28	
0618		4891.51	02/13/2001	15:36	6.82	4884.69	
0619		4892.19	02/14/2001	14:10	7.73	4884.46	
0620		4889.72	02/14/2001	08:34	4.39	4885.33	
0621		4890.20	02/14/2001	10:00	5.04	4885.16	
0622		4890.06	02/14/2001	11:00	4.84	4885.22	
0623		4891.19	02/14/2001	14:10	6.61	4884.58	
0624		4891.49	02/14/2001	11:45	6.75	4884.74	
0625		4891.23	02/14/2001	11:13	6.65	4884.58	
0626		4891.40	02/12/2001	17:20	8.99	4882.41	
0628		4889.87	02/12/2001	16:46	4.22	4885.65	
0631		4889.95	02/15/2001	12:14	9.75	4880.20	
0732		4897.55	02/15/2001	11:32	7.62	4889.93	
0734		4886.55	02/13/2001	08:30	6.31	4880.24	
0735		4895.85	02/13/2001	12:40	6.44	4889.41	
0736		4887.99	02/13/2001	11:50	5.19	4882.80	
0766		4892.55	02/13/2001	09:40	9.98	4882.57	
0768		4892.33	02/14/2001	15:34	7.52	4884.81	
0773		4894.87	02/15/2001	10:34	8.48	4886.39	
0775		4892.20	02/14/2001	12:52	8.52	4883.68	
0779		4893.86	02/13/2001	13:13	9.91	4883.95	
0783		4884.48	02/07/2001	14:16	7.21	4877.27	
0850	B	4907.51	02/06/2001	14:18	8.06	4899.45	
0853		4891.41	02/14/2001	10:22	6.75	4884.66	
0854		4890.75	02/13/2001	11:19	8.10	4882.65	

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/17/2001 1:43 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)	WATER LEVEL FLAG
			DATE	TIME			
0855		4888.18	02/13/2001	09:04	5.10	4883.08	
0857		4894.02	02/13/2001	12:19	9.84	4884.18	
0860		4892.28	02/14/2001	09:00	87.50	4804.78	
0862		4893.83	02/13/2001	13:45	93.83	4800.00	
1000		4892.17	02/13/2001	16:07	6.72	4885.45	
1001		4892.44	02/13/2001	16:44	25.94	4866.50	
1062		4892.51	02/13/2001	13:22	7.32	4885.19	

RECORDS: SELECTED FROM USEE700 WHERE site_code='SHP01' AND LOG_DATE between #2/1/2001# and #3/31/2001#

FLOW CODES:

B BACKGROUND

WATER LEVEL FLAGS:

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:43 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)	WATER LEVEL FLAG
			DATE	TIME			
0600		4955.87	02/15/2001	11:07	33.82	4922.05	
0602		4956.89	02/12/2001	15:47	19.45	4937.44	
0603		4978.62	02/13/2001	09:55	30.27	4948.35	
0604		4995.87	02/08/2001	11:17	51.49	4944.38	
0648		4943.80	02/08/2001	14:30	0.00	4943.80	F
0725		4908.58	02/14/2001	10:21	12.76	4895.82	
0726		4939.95	02/13/2001	16:27	20.62	4919.33	
0727		4940.65	02/09/2001	08:54	7.23	4933.42	
0728		4964.46	02/07/2001	16:25	24.11	4940.35	
0730		4979.74	02/14/2001	14:03	37.86	4941.88	
0812		5004.98	02/07/2001	14:09	61.09	4943.89	
0813		4984.37	02/07/2001	13:27	43.22	4941.15	
0814		4968.12	02/07/2001	15:10	31.20	4936.92	
0815		4953.67	02/08/2001	09:10	25.58	4928.09	
0816		4937.92	02/09/2001	08:18	24.80	4913.12	
0818		4998.25	02/08/2001	12:34	53.86	4944.39	
0819		4955.76	02/12/2001	14:10	19.35	4936.41	
0820		4954.95	02/15/2001	12:10	151.16	4803.79	
0823		4957.65	02/14/2001	15:31	100.26	4857.39	
0824		4958.21	02/14/2001	15:45	188.46	4769.75	
0826		4950.73	02/13/2001	08:04	17.48	4933.25	
0827		4946.92	02/15/2001	10:36	26.71	4920.21	
0828		4949.34	02/13/2001	08:52	14.59	4934.75	
0830		4960.77	02/13/2001	10:43	11.18	4949.59	
0832		4964.65	02/07/2001	09:47	27.02	4937.63	
0833		4940.52	02/07/2001	10:25	27.28	4913.24	
0835		4930.48	02/07/2001	12:42	18.10	4912.38	
0836		4901.74	02/05/2001	15:11	23.75	4877.99	
0837		4889.54	02/05/2001	17:16	14.45	4875.09	

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/17/2001 1:43 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)	WATER LEVEL FLAG
			DATE	TIME			
0838		4937.70	02/06/2001	14:38	24.51	4913.19	
0839		4943.21	02/08/2001	09:47	24.68	4918.53	
0841		4984.05	02/07/2001	11:13	44.60	4939.45	
0843		4883.56	02/05/2001	16:16	10.44	4873.12	
0844		4948.46	02/06/2001	15:28	30.26	4918.20	
0846		4934.57	02/06/2001	13:57	23.24	4911.33	
0847		4924.35	02/06/2001	08:58	13.41	4910.94	
0848		4949.91	02/06/2001	11:13	36.79	4913.12	
1002		4957.63	02/15/2001	08:38	96.78	4860.85	
1003		4957.84	02/15/2001	10:20	91.43	4866.41	
1004		4957.61	02/15/2001	09:05	41.48	4916.13	
1007		4962.01	02/13/2001	12:50	44.54	4917.47	
1011		4945.96	02/15/2001		27.70	4918.26	
1049		4923.89	02/09/2001	10:07	7.63	4916.26	
1057		4980.89	02/13/2001	13:47	32.79	4948.10	
1058		4973.58	02/14/2001	11:08	28.96	4944.62	
1059		4970.52	02/14/2001	13:01	23.12	4947.40	
1060		4970.62	02/06/2001	16:26	36.93	4933.69	
DM7		4974.50	02/13/2001	15:20	48.83	4925.67	

RECORDS: SELECTED FROM USEE700 WHERE site_code='SHP02' AND LOG_DATE between #2/1/2001# and #3/31/2001#

FLOW CODES:

WATER LEVEL FLAGS:

F Flowing

**SAMPLING WORK ORDER AND
TRIP REPORT**



CONTRACT NO.: DE-AC13-96GJ87335
 TASK ORDER NO.: MAC01-05
 CONTROL NO.: 3100-T01-0266

January 2, 2001

UMTRA Ground Water 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—February 2001 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 and surface locations at this site as part of the routine UMTRA Ground Water sampling which is scheduled to begin the week of February 5, 2001.

The following lists show the Ground Water Project monitor well and surface water locations that will be sampled during this sampling event.

Ground Water Project Monitor Wells (filtered)*

SHP01

608 Km	619 Al	631 Al	766 Al	783 Al	860 Km	1009 Al
610 Al	620 Al	732 Al	768 Al	850 Al	862 Km	1010 Al
614 Al	624 Al	734 Al	773 Al	854 Al	1000 Km	1013 Al
615 Al	626 Al	735 Al	775 Al	855 Al	1001 Km	1062 Km
618 Al	628 Al	736 Al	779 Al	857 Al	1008 Al	

SHP02

600 Km	727 Km	816 Al	827 Al	837 Al	847 Al	1011 Qa
602 Km	728 Al	818 Al	828 Al	838 Al	848 Al	1049 Qa
603 Al	730 Al	819 Km	830 Km	839 Al	1002 Km	1057 Qa
604 Km	812 Al	820 Km	832 Al	841 Al	1003 Km	1058 Km
648 Jm	813 Al	823 Km	833 Al	843 Al	1004 Km	1059 Km
725 Al	814 Al	824 Km	835 Al	844 Al	1006 Fl	1060 Qa
726 Km	815 Al	826 Al	836 Al	846 Al	1007 Fl	DM7 Km

*NOTE: Al = Alluvium; Fl = Fill material; Jm = Westwater Canyon Member; Km = Mancos Shale; Qa = Quaternary

RECORD COPY

Surface Water (filtered)

SHP01

655	658	894	898	947	956	1205	18
656	887	895	939	948	957	1210	
657	888	897	940				

SHP02

425	662	884	886	933	935	942	+
426	786	885	889	934	936	958	

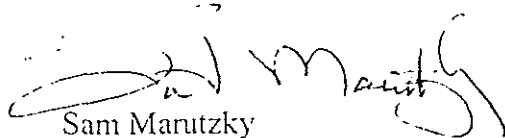
Data loggers will be downloaded from the following locations:

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

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. 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 Traub at extension 6557.

Sincerely,



Sam Marutzky
Project Manager

SM/lcg/ld
Attachments

cc w/o att: 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
<i>Ground Water Project Monitor Wells</i>						
SHP01						
608		X				
610		X				
614		X				
615		X				
618		X				
619		X				
620		X				
624		X				
626		X				
628		X				
631		X				North of river
732		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
783		X				New well point 10/99; "Island Area"
850		X				
854		X				
855		X				
857		X				DATA LOGGER
860		X				
862		X				
1000		X				New well 4/00
1001		X				New well 4/00
1008		X				New well 4/00
1009		X				New well 4/00
1010		X				New well 4/00
1013		X				New well 4/00
1062		X				New well 4/00
SHP02						
600		X				
602		X				DATA LOGGER
603		X				
604		X				
648		X				
725		X				
726		X				
727		X				
728		X				DATA LOGGER
730		X				DATA LOGGER

**Sampling Frequencies for Locations at
Shiprock, New Mexico**

Location	Quarterly	Semi-annually	Annually	Biennially	Not Sampled	Notes
SHP02						
812		X				
813		X				
814		X				
815		X				
816		X				
818		X				
819		X				
820		X				
823		X				
824		X				
826		X				DATA LOGGER
827		X				DATA LOGGER
828		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				
846		X				DATA LOGGER
847		X				
848		X				DATA LOGGER
1002		X				New well 4/00
1003		X				New well 4/00
1004		X				New well 4/00
1006		X				New well 4/00
1007		X				New well 4/00
1011		X				New well 4/00
1049		X				Many Devils Wash
1057		X				New well 4/00
1058		X				New well 4/00
1059		X				New well 4/00
1060		X				New well 4/00
DM7		X				

**Sampling Frequencies for Locations at
Shiprock, New Mexico**

Location	Quarterly	Semi-annually	Annually	Biennially	Not Sampled	Notes
Surface Water/Sediment Locations						
SHP01						
655	X					Drainage channel
656		X				Sample if enough water
657	X					Outflow ditch from wetland
658	X					Wetland
887	X					Distributary channel
888	X					
894	X					San Juan River
895	X					
897	X					
898	X					
939	X					Distributary channel
940	X					Just NE of 854, San Juan River
947	X					
948	X					
956	X					San Juan River at intake
957	X					San Juan River about 1500' below dist. Channel
1205	X					
1210	X					
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
958		X				Helium lateral canal where water comes into canal at pump station

**Constituent Sampling Breakdown
For Individual UMTRA Sites**

Site	Shiprock	
	Ground Water	Surface Water
Approx. No. Samples/yr	160	88
<i>Field Measurements</i>	<i>UGW</i>	<i>UGW</i>
Alkalinity	X	X
Dissolved Oxygen	X	X
Redox Potential	X	X
pH	X	X
Specific Conductance	X	X
Turbidity	X	
Temperature	X	X
<i>Laboratory Measurements</i>	<i>UGW</i>	<i>UGW</i>
Aluminum		
Ammonium	X	X
Antimony		
Arsenic		
Barium		
Beryllium		
Bromide		
Cadmium		
Calcium	X	X
Chloride	X	X
Chromium		
Cobalt		
Copper		
Fluoride		
Gamma Spec		
Gross Alpha		
Gross Beta		
Iron		
Lead		
Lead-210		
Magnesium	X	X
Manganese	X	X
Molybdenum		

**Constituent Sampling Breakdown
For Individual UMTRA Sites**

Site	Shiprock	
	Ground Water	Surface Water
Laboratory Measurements (Continued)	UGW	UGW
Nickel		
Nickel-63		
Nitrate	X	X
Polonium-210		
Potassium	X	X
Radium-226		
Radium-228		
Radon-222	608, 614, 854, 813, 819, 826, 833	
Selenium	X	X
Silica		
Sodium	X	X
Strontium	X	X
Sulfate	X	X
Sulfide		
Thallium		
Tin		
Total Dissolved Solids	X	X
Uranium	X	X
Uranium-234, -238	610, 614, 615, 618, 619, 620, 624, 628, 631, 732, 734, 735, 736, 850, 854, 855, 857, 860, 1008, 1009, 1013, 1062, 600, 603, 728, 813, 814, 815, 816, 818, 826, 833, 835, 836, 838, 843, 846, 1004, 1007	425, 885, 886, 934, 935, 942
Vanadium		
VOCs		
Zinc		
Total Analytes	15	14

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.

CONTRACT NO.: DE-AC13-96GJ87335
 TASK ORDER NO.: MAC01-05
 CONTROL NO.: 3100-N/A

MEMO TO: Sam Marutzky
 FROM: Robert Lucero *ML*
 DATE: March 19, 2001
 SUBJECT: UMTRA Ground Water Trip Report

Site: Shiprock, NM

Dates of Sampling Event: February 5 through February ²²~~20~~, 2001

Team Members: Dave Traub, Tom Nett, Jeff Price, Robert Lucero, Tony Franzone, and Dan Sellers.

Number of Locations Sampled: 115 locations were scheduled for sampling. This included wells, surface locations, and seeps. A few of the wells and surface locations were dry. Table 2 lists relevant information about each location (i.e., requested sample to collect, any field variances or other comments). A total of 113 locations were sampled. Samples also were collected for the NABIR project (see Table 2).

Locations Not Sampled: See Table 2.

Location Specific Information: See Table 2. A few 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, 730, 731, 826, 827, 830, 835, 836, 837, 841, 843, 848, 857, 899. Data loggers for two wells were not downloaded. Well 728 did not have the proper connectors, and the battery was dead for downloading at well 846.

Quality Control Sample Cross Reference: Following are the false identifications assigned to the quality control samples submitted to the GJO analytical laboratory:

Table 1

False Location ID	True Location Number	Ticket Number	Sample Type
1021	894	NDJ 990	DUPLICATE, ground water ^{surface water} (Seepage)
1022	N/A	NDM 577	Eqpt. Blank- Peristaltic, surface
1023	425	NDM 585	DUPLICATE, ground water, seep ^{Surface water}
8551	855	NDM 930	DUPLICATE, ground water
7731	773	NDM 948	DUPLICATE, ground water
6310	631	NDM 901	Eqpt. Blank, whale
8530	853	NDM 902	Eqpt. Blank- small peristaltic, ground water
1101 ✓	N/A	NDJ 896	Eqpt. Blank, 12-volt submersible
1000	847	NDJ 887	Duplicate ground water
1102	N/A	NDN 484	Eqpt. Blank, 12-volt submersible
1001	600	NDN 500	Duplicate ground water

RECORD COPY.

Requisition Numbers: The requisition number for the samples is 17302.

Water Level Measurements: Water level measurements were completed on all wells scheduled for sampling.

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

Equipment: None

Regulatory Issues: None

Site Issues: NABIR samples were collected at the following locations:

Wells:

Yellow water:

SHP 01: 608, 610, 614, 615, 616, 618, 619, 620, 621, 622, 623, 624, 625, 626, 628, 736, 768, 775, 853, 854, 857, 860.

SHP 02: 602, 603, 648, 728, 813, 819, 826, 828, 830,

Tritium and Anion (T & A)

SHP 01: 615, 616, 618, 620, 621, 622, 623, 625, 768, 775, 860,

Radon 222

SHP 01: 608, 614, 854,

SHP 02: 813, 819, 826,

Surface Water:

Yellow water

SHP 01: 1205

SHP 02: 425, 426,

Tritium and Anion (T & A)

SHP 01: 1205

Table 2.

Well/Location Number	Ticket Number	Metals	Cl, SO ₄	NO ₃ , NH ₄	TDS	U-234/238	Ra-222	NABIR: Yellow water	NABIR: T & A	Comments/Notes
425	NDM 581	X	X	X	X	X		X		
426	NDM 580	X	X	X	X			X		Steady flow @ seep; +/- 500 ml/min
600	NDN 499	X	X	X	X	X				Dry at 1.5 gallons
602	NDN 486	X	X	X	X			X		
603	NDN 489	X	X	X	X	X		X		
604	NDN 479	X	X	X	X					Dry w/Grundfos @ 4.5 gal. bailed for sample
608	NDM 936	X	X	X	X		X	X		
610	NDM 939	X	X	X	X	X		X		Dry @ 9.0 gallons

Well Location Number	Ticket Number	Metals	Cl, SO ₄	NO ₃ , NH ₄	TDS	U-234/238	Ra-222	NABIR: Yellow water	NABIR: T & A	Comments/Notes
614	NDM 937	X	X	X	X	X	X	X		
615	NDM 940	X	X	X	X	X		X	X	Roots have invaded the well, matted on water surface, Dry @ 24 gal. screen/casing integrity questionable.
616	NDM 584	X	X	X	X			X	X	
618	NDM 586	X	X	X	X	X		X	X	
619	NDM 591	X	X	X	X	X		X		
620	NDM 587	X	X	X	X	X		X	X	
621	NDM 588							X	X	
622	NDM 589							X	X	
623	NDM 944							X	X	Only NABIR samples required at this well.
624	NDM 943	X	X	X	X	X		X		
625	NDM 942							X	X	Only NABIR samples required at this well. Dry at 30 gallons.
626	NDM 927	X	X	X	X			X		
628	NDM 926	X	X	X	X	X		X		
631	NDM 950	X	X	X	X	X				
648	NDN 481	X	X	X	X			X		Public well, flows into Bob Lee wash Ditch mostly iced over, water slowly flowing
655	NDJ 994	X	X	X	X					
657	NDJ 993	X	X	X	X					
658	NDJ 992	X	X	X	X					
662	NDJ 996	X	X	X	X					Access via 885
725	NDN 495	X	X	X	X					
726	NDN 494	X	X	X	X					
727	NDN 483	X	X	X	X					Dry at 7 gallons.
728	NDN 476	X	X	X	X	X		X		Could not download mini-troll; no connector
730	NDN 498	X	X	X	X					Dry at 0.5 gallon
732	NDM 949	X	X	X	X	X				
734	NDM 928	X	X	X	X	X				Dry @ 2.5 L
735	NDM 934	X	X	X	X	X				
736	NDM 933	X	X	X	X	X		X		
766	NDM 931	X	X	X	X					
768	NDM 592	X	X	X	X			X	X	Very slow recovery, use green pump
773	NDM 947	X	X	X	X					
775	NDM 590	X	X	X	X			X	X	Dry at 0.75 gallon
779	NDM 583	X	X	X	X					
783	NDJ 985	X	X	X	X					ATV to site
786	NDJ 986	X	X	X	X					Need to drill out seep or build a SS catch pan to pound in cliff
812	NDJ 899	X	X	X	X					Bailed dry < 1 gallon
813	NDJ 898	X	X	X	X	X	X	X		
814	NDJ 900	X	X	X	X	X				
815	NDN 477	X	X	X	X	X				
816	NDN 482	X	X	X	X	X				
818	NDN 480	X	X	X	X	X				
819	NDN 485	X	X	X	X		X	X		Dry @ 1.25 gallons
820	NDM 594	X	X	X	X					Bailed dry @ 900 ml
823	NDK 852	X		X						Dry @ ~ 600 ml, poor recovery
824	NDK 851	X	X	X	X					Dry @ 3.0 gallons
826	NDN 487	X	X	X	X	X	X	X		Dry at 2 gallons

Well/Location Number	Ticket Number	Metals	Cl, SO ₄	NO ₃ , NH ₄	TDS	U-234/238	Ra-222	NABIR: Yellow water	NABIR: T & A	Comments/Notes
827	NDM 593	X	X	X	X					Goes dry quickly, use speed control whale
828	NDN 488	X	X	X	X			X		Purged >10 casing volumes
830	NDN 490	X	X	X	X			X		White milky substance in purge water; Bentonite?
832	NDJ 893	X	X	X	X					
833	NDJ 894	X	X	X	X	X	X			
835	NDJ 897	X	X	X	X	X				
836	NDJ 883	X	X	X	X	X				
837	NDJ 885	X	X	X	X					
838	NDJ 890	X	X	X	X	X				Lock was cut; replaced with new one
839	NDN 478	X	X	X	X					Dry at 1.5 gallons
841	NDJ 895	X	X	X	X					
843	NDJ 884	X	X	X	X	X				
844	NDJ 891	X	X	X	X					Flush mount in new construction area, undermining of concrete pad on N side
846	NDJ 889	X	X	X	X	X				Did not download data-logger, battery dead
847	NDJ 886	X	X	X	X					Well is inside shed @ ^W NE corner of High School football field
848	NDJ 888	X	X	X	X					
850	NDJ 978	X	X	X	X	X				
853	NDM 941	X	X	X	X	X		X		
854	NDM 932	X	X	X	X	X	X	X		Dry @ 1.5 gal
855	NDM 929	X	X	X	X	X				
857	NDM 582	X	X	X	X	X		X		
860	NDM 945	X	X	X	X	X		X	X (anions only)	Bailed dry, several return trips to get NABIR samples (minus tritium)
862	NDM 855	X								Dry @ 0.5 L, 2 days; No recovery, bailed for metals
884	NDK 897	X	X	X	X					
885	NDJ 995	X	X	X	X	X				
886	NDJ 998	X	X	X	X	X				
887	NDK 898	X	X	X	X					
888	NDJ 976	X	X	X	X					
889	NDJ 999	X	X	X	X					
894	NDJ 987	X	X	X	X					Mat ⁿ river channel, 3' from bank ~8" deep
895	NDJ 988	X	X	X	X					
897	NDJ 997	X	X	X	X					
898	NDJ 977	X	X	X	X					
933	NDJ 981	X	X	X	X					
934	NDJ 989	X	X	X	X	X				Water was flowing, lots of trash (dead dog, too)
935	NDJ 983	X	X	X	X	X				
936	NDJ 984	X	X	X	X					
939	NDK 899	X	X	X	X					
940	NDJ 991	X	X	X	X					Collected in river ~ 30' N of bank
942	NDK 896	X	X	X	X	X				
947	NDJ 979	X	X	X	X					
948										No sample, water too deep in creek to cross

Well/Location Number	Ticket Number	Metals	Cl, SO ₄	NO ₃ , NH ₄	TDS	U-234/238	Ra-222	NABIR: Yellow water	NABIR: T & A	Comments/Notes
956	NDM 579	X	X	X	X					
957	NDK 900	X	X	X	X					
1000	NDM 938	X	X	X	X					Dry @ 6.0 gallons
1001	NDM 946	X	X	X	X					Dry @ 0.5 gallons
1002	NDM 903	X	X	X	X					Bailed dry @ 1.5 gallons
1003	NDK 854	X	X	X	X					Bailed dry @ 0.5 gal.
1004	NDK 853	X								Dry @ 500 ml, collected metals only
1007	NDN 491	X	X	X	X	X				Dry at 0.5 gallon
1011										Bailed dry @ 400 ml, no recovery for samples
1049	NDM 576	X	X	X	X					
1057	NDN 492	X	X	X	X					Purged 10 casing volumes
1058	NDN 496	X	X	X	X					Dry @ 4.0 gal. not enough water later for unfil. alk.
1059	NDN 497	X	X	X	X					Dry at 5.5 gallons
1060	NDJ 892	X	X	X	X					Dry @ 0.5 gallon
1062	NDM 935	X	X	X	X	X				Dry @ 5.0 gal, collected sample later
1205	NDM 578	X	X	X	X			X	X	
1210	NDJ 982	X	X	X	X					
DM7	NDK 856	X								Very slow recovery, 9 days = 200ml for samples

RL/lcg

Distribution:

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