

**Table 99-21 . Selected Non-Radiological Constituents
in Red Bluff Reservoir Sediment Samples Collected during 1998 and 1999**

See CEMRC 1999 Report “Radiological and non-radiological constituents in surface water and sediments at selected reservoirs” for descriptions of locations and methods of data collection.

Analyte	Method	^a MDL (mg kg ⁻¹)	Result (mg kg ⁻¹)
March 3, 1998 (14.9 m depth)			
Ag	^b ICPMS	5.02E-03	^c NA
Al	^d ICPES	2.42E+00	1.28E+04
As	^e AA	1.40E-02	4.45E+00
Ba	ICPES	1.30E-01	2.86E+02
Be	ICPES	1.56E-02	7.07E-01
Bi	ICPES	6.29E-01	<MDL
Ca	ICPES	2.08E+00	1.56E+05
Cd	ICPES	2.58E-02	2.56E-01
Chloride	^f IC	2.10E-01	6.37E+03
Co	ICPES	4.40E-02	5.38E+00
Cr	AA	1.66E-01	1.18E+01
Cu	AA	1.92E-01	5.49E+00
Dy	ICPMS	6.84E-04	NA
Er	ICPMS	5.22E-04	NA
Eu	ICPMS	6.66E-04	NA
Fe	ICPES	1.42E+00	1.15E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	NA
Hg	AA	2.50E-03	2.73E-02
K	ICPES	1.67E+00	3.75E+03

La	ICPMS	1.65E-03	NA
Li	ICPMS	8.34E-03	NA
Mg	ICPES	8.70E-01	9.95E+03
Mn	ICPES	2.49E-02	4.12E+02
Mo	ICPES	3.10E-02	1.13E+00
Na	ICPES	1.45E+00	4.85E+03
Nd	ICPMS	1.45E-03	NA
Ni	AA	3.47E-02	1.29E+01
Nitrate	IC	5.88E-01	<MDL
Pb	AA	1.47E-01	9.85E+00
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	NA
Sb	AA	2.70E-02	1.02E-01
Se	AA	2.10E-02	1.87E+00
Sm	ICPMS	8.73E-04	NA
Sn	ICPMS	7.20E+00	NA
Sr	ICPES	1.40E-01	6.78E+02
Sulfate	IC	1.11E+00	7.76E+03
Th	ICPMS	7.81E-04	NA
Ti	ICPMS	1.42E-01	NA
Tl	ICPMS	1.21E-01	NA
U	ICPMS	8.59E-04	NA
V	ICPES	1.49E-01	2.55E+01
Zn	ICPES	2.50E-01	2.82E+01
March 10, 1998 (14.0 m depth)			
Ag	ICPMS	5.02E-03	NA
Al	ICPES	2.42E+00	1.65E+04
As	AA	1.40E-02	3.87E+00

Ba	ICPES	1.30E-01	2.86E+02
Be	ICPES	1.56E-02	7.77E-01
Bi	ICPES	6.29E-01	<MDL
Ca	ICPES	2.08E+00	1.54E+05
Cd	ICPES	2.58E-02	2.01E-01
Chloride	IC	2.10E-01	6.77E+03
Co	ICPES	4.40E-02	5.51E+00
Cr	AA	1.66E-01	1.36E+01
Cu	AA	1.92E-01	1.90E+00
Dy	ICPMS	6.84E-04	NA
Er	ICPMS	5.22E-04	NA
Eu	ICPMS	6.66E-04	NA
Fe	ICPES	1.42E+00	1.34E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	NA
Hg	AA	2.50E-03	2.86E-02
K	ICPES	1.67E+00	4.67E+03
La	ICPMS	1.65E-03	NA
Li	ICPMS	8.34E-03	NA
Mg	ICPES	8.70E-01	1.08E+04
Mn	ICPES	2.49E-02	4.01E+02
Mo	ICPES	3.10E-02	1.81E+00
Na	ICPES	1.45E+00	5.26E+03
Nd	ICPMS	1.45E-03	NA
Ni	AA	3.47E-02	1.37E+01
Nitrate	IC	5.88E-01	<MDL
Pb	AA	1.47E-01	9.12E+00
Phosphate	IC	2.35E+00	<MDL

Pr	ICPMS	8.65E-04	NA
Sb	AA	2.70E-02	7.90E-02
Se	AA	2.10E-02	2.63E+00
Sm	ICPMS	8.73E-04	NA
Sn	ICPMS	7.20E+00	NA
Sr	ICPES	1.40E-01	6.74E+02
Sulfate	IC	1.11E+00	5.41E+03
Th	ICPMS	7.81E-04	NA
Ti	ICPMS	1.42E-01	NA
Tl	ICPMS	1.21E-01	NA
U	ICPMS	8.59E-04	NA
V	ICPES	1.49E-01	3.16E+01
Zn	ICPES	2.50E-01	2.95E+01
March 10, 1998 (14.0 m depth)			
Ag	ICPMS	5.02E-03	NA
Al	ICPES	2.42E+00	1.65E+04
As	AA	1.40E-02	4.28E+00
Ba	ICPES	1.30E-01	2.78E+02
Be	ICPES	1.56E-02	7.58E-01
Bi	ICPES	6.29E-01	<MDL
Ca	ICPES	2.08E+00	1.43E+05
Cd	ICPES	2.58E-02	1.80E-01
Chloride	IC	2.10E-01	8.70E+03
Co	ICPES	4.40E-02	5.68E+00
Cr	AA	1.66E-01	1.40E+01
Cu	AA	1.92E-01	1.04E+00
Dy	ICPMS	6.84E-04	NA
Er	ICPMS	5.22E-04	NA

Eu	ICPMS	6.66E-04	NA
Fe	ICPES	1.42E+00	1.34E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	NA
Hg	AA	2.50E-03	2.51E-02
K	ICPES	1.67E+00	4.68E+03
La	ICPMS	1.65E-03	NA
Li	ICPMS	8.34E-03	NA
Mg	ICPES	8.70E-01	1.11E+04
Mn	ICPES	2.49E-02	4.21E+02
Mo	ICPES	3.10E-02	1.04E+00
Na	ICPES	1.45E+00	7.72E+03
Nd	ICPMS	1.45E-03	NA
Ni	AA	3.47E-02	1.39E+01
Nitrate	IC	5.88E-01	<MDL
Pb	AA	1.47E-01	8.75E+00
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	NA
Sb	AA	2.70E-02	9.33E-02
Se	AA	2.10E-02	2.80E+00
Sm	ICPMS	8.73E-04	NA
Sn	ICPMS	7.20E+00	NA
Sr	ICPES	1.40E-01	6.44E+02
Sulfate	IC	1.11E+00	1.22E+04
Th	ICPMS	7.81E-04	NA
Ti	ICPMS	1.42E-01	NA
Tl	ICPMS	1.21E-01	NA
U	ICPMS	8.59E-04	NA

V	ICPES	1.49E-01	3.07E+01
Zn	ICPES	2.50E-01	2.82E+01
March 10, 1998 (11.9 m depth)			
Ag	ICPMS	5.02E-03	NA
Al	ICPES	2.42E+00	9.29E+03
As	AA	1.40E-02	3.54E+00
Ba	ICPES	1.30E-01	1.72E+02
Be	ICPES	1.56E-02	4.53E-01
Bi	ICPES	6.29E-01	<MDL
Ca	ICPES	2.08E+00	7.44E+04
Cd	ICPES	2.58E-02	9.57E-02
Chloride	IC	2.10E-01	7.34E+03
Co	ICPES	4.40E-02	4.45E+00
Cr	AA	1.66E-01	9.09E+00
Cu	AA	1.92E-01	<MDL
Dy	ICPMS	6.84E-04	NA
Er	ICPMS	5.22E-04	NA
Eu	ICPMS	6.66E-04	NA
Fe	ICPES	1.42E+00	8.99E+03
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	NA
Hg	AA	2.50E-03	1.98E-02
K	ICPES	1.67E+00	2.53E+03
La	ICPMS	1.65E-03	NA
Li	ICPMS	8.34E-03	NA
Mg	ICPES	8.70E-01	7.86E+03
Mn	ICPES	2.49E-02	3.01E+02
Mo	ICPES	3.10E-02	3.69E-01

Na	ICPES	1.45E+00	5.27E+03
Nd	ICPMS	1.45E-03	NA
Ni	AA	3.47E-02	9.24E+00
Nitrate	IC	5.88E-01	<MDL
Pb	AA	1.47E-01	5.34E+00
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	NA
Sb	AA	2.70E-02	6.72E-02
Se	AA	2.10E-02	1.46E+00
Sm	ICPMS	8.73E-04	NA
Sn	ICPMS	7.20E+00	NA
Sr	ICPES	1.40E-01	2.98E+02
Sulfate	IC	1.11E+00	1.02E+04
Th	ICPMS	7.81E-04	NA
Ti	ICPMS	1.42E-01	NA
Tl	ICPMS	1.21E-01	NA
U	ICPMS	8.59E-04	NA
V	ICPES	1.49E-01	1.81E+01
Zn	ICPES	2.50E-01	1.43E+01
October 14, 1998 (10.4 m depth)			
Ag	ICPMS	5.02E-03	7.98E-02
Al	ICPMS	4.50E+00	1.33E+04
As	AA	1.40E-01	4.97E+00
Ba	ICPMS	2.14E-01	2.63E+02
Be	ICPMS	1.33E-03	7.45E-01
Ca	ICPMS	4.40E+01	1.32E+05
Cd	ICPMS	2.32E-02	4.73E-01
Ce	ICPMS	2.87E-03	3.07E+01

Chloride	IC	2.10E-01	1.41E+04
Co	ICPMS	2.20E-02	7.25E+00
Cr	ICPMS	1.39E-01	1.34E+01
Cu	ICPMS	6.76E-01	1.45E+01
Dy	ICPMS	6.84E-04	1.99E+00
Er	ICPMS	5.22E-04	9.71E-01
Eu	ICPMS	6.66E-04	6.71E-01
Fe	ICPMS	1.19E+01	1.40E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	3.11E+00
Hg	AA	2.50E-03	2.75E-02
K	ICPMS	3.92E+01	4.00E+03
La	ICPMS	1.65E-03	1.44E+01
Li	ICPMS	8.34E-03	1.76E+01
Mg	ICPMS	1.16E+01	1.07E+04
Mn	ICPMS	8.92E-02	4.15E+02
Mo	ICPMS	7.56E-02	2.35E+00
Na	ICPMS	1.06E+02	7.49E+03
Nd	ICPMS	1.45E-03	1.50E+01
Ni	ICPMS	1.06E-01	2.34E+01
Nitrate	IC	5.88E-01	<MDL
Pb	ICPMS	1.77E-01	1.53E+01
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	3.82E+00
Sb	ICPMS	2.19E-02	<MDL
Se	AA	9.20E-02	2.83E+00
Sm	ICPMS	8.73E-04	3.04E+00
Sn	ICPMS	7.20E+00	<MDL

Sr	ICPMS	1.04E-01	6.70E+02
Sulfate	IC	1.11E+00	8.01E+03
Th	ICPMS	7.81E-04	3.82E+00
Ti	ICPMS	1.42E-01	2.68E+02
Tl	ICPMS	1.21E-01	<MDL
U	ICPMS	8.59E-04	3.73E+00
V	ICPMS	2.68E-01	3.62E+01
Zn	ICPMS	2.67E+00	5.44E+01
October 14, 1998 (10.4 m depth)			
Ag	ICPMS	5.02E-03	7.68E-02
Al	ICPMS	4.50E+00	1.49E+04
As	AA	1.40E-01	5.40E+00
Ba	ICPMS	2.14E-01	2.69E+02
Be	ICPMS	1.33E-03	8.92E-01
Ca	ICPMS	4.40E+01	1.28E+05
Cd	ICPMS	2.32E-02	4.49E-01
Ce	ICPMS	2.87E-03	3.18E+01
Chloride	IC	2.10E-01	1.12E+04
Co	ICPMS	2.20E-02	7.53E+00
Cr	ICPMS	1.39E-01	1.48E+01
Cu	ICPMS	6.76E-01	1.46E+01
Dy	ICPMS	6.84E-04	1.98E+00
Er	ICPMS	5.22E-04	9.81E-01
Eu	ICPMS	6.66E-04	6.85E-01
Fe	ICPMS	1.19E+01	1.49E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	3.19E+00
Hg	AA	2.50E-03	3.24E-02

K	ICPMS	3.92E+01	4.36E+03
La	ICPMS	1.65E-03	1.49E+01
Li	ICPMS	8.34E-03	1.87E+01
Mg	ICPMS	1.16E+01	1.09E+04
Mn	ICPMS	8.92E-02	4.25E+02
Mo	ICPMS	7.56E-02	2.61E+00
Na	ICPMS	1.06E+02	6.37E+03
Nd	ICPMS	1.45E-03	1.55E+01
Ni	ICPMS	1.06E-01	2.40E+01
Nitrate	IC	5.88E-01	<MDL
Pb	ICPMS	1.77E-01	1.56E+01
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	3.94E+00
Sb	ICPMS	2.19E-02	<MDL
Se	AA	9.20E-02	2.50E+00
Sm	ICPMS	8.73E-04	3.07E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	6.43E+02
Sulfate	IC	1.11E+00	6.09E+03
Th	ICPMS	7.81E-04	4.07E+00
Ti	ICPMS	1.42E-01	2.85E+02
Tl	ICPMS	1.21E-01	<MDL
U	ICPMS	8.59E-04	3.75E+00
V	ICPMS	2.68E-01	3.94E+01
Zn	ICPMS	2.67E+00	5.73E+01
October 14, 1998 (10.4 m depth)			
Ag	ICPMS	5.02E-03	7.77E-02
Al	ICPMS	4.50E+00	1.49E+04

As	AA	1.40E-01	4.79E+00
Ba	ICPMS	2.14E-01	2.78E+02
Be	ICPMS	1.33E-03	8.07E-01
Ca	ICPMS	4.40E+01	1.32E+05
Cd	ICPMS	2.32E-02	4.89E-01
Ce	ICPMS	2.87E-03	3.12E+01
Chloride	IC	2.10E-01	1.27E+04
Co	ICPMS	2.20E-02	7.43E+00
Cr	ICPMS	1.39E-01	1.44E+01
Cu	ICPMS	6.76E-01	1.47E+01
Dy	ICPMS	6.84E-04	1.96E+00
Er	ICPMS	5.22E-04	9.73E-01
Eu	ICPMS	6.66E-04	6.70E-01
Fe	ICPMS	1.19E+01	1.48E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	3.13E+00
Hg	AA	2.50E-03	2.56E-02
K	ICPMS	3.92E+01	4.40E+03
La	ICPMS	1.65E-03	1.45E+01
Li	ICPMS	8.34E-03	1.88E+01
Mg	ICPMS	1.16E+01	1.11E+04
Mn	ICPMS	8.92E-02	4.10E+02
Mo	ICPMS	7.56E-02	3.06E+00
Na	ICPMS	1.06E+02	6.84E+03
Nd	ICPMS	1.45E-03	1.50E+01
Ni	ICPMS	1.06E-01	2.40E+01
Nitrate	IC	5.88E-01	<MDL
Pb	ICPMS	1.77E-01	1.63E+01

Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	3.89E+00
Sb	ICPMS	2.19E-02	<MDL
Se	AA	9.20E-02	2.67E+00
Sm	ICPMS	8.73E-04	3.12E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	6.59E+02
Sulfate	IC	1.11E+00	7.43E+03
Th	ICPMS	7.81E-04	3.90E+00
Ti	ICPMS	1.42E-01	2.79E+02
Tl	ICPMS	1.21E-01	<MDL
U	ICPMS	8.59E-04	4.13E+00
V	ICPMS	2.68E-01	3.90E+01
Zn	ICPMS	2.67E+00	5.74E+01
October 14, 1998 (10.1 m depth)			
Ag	ICPMS	5.02E-03	8.06E-02
Al	ICPMS	4.50E+00	1.50E+04
As	AA	1.40E-01	5.40E+00
Ba	ICPMS	2.14E-01	2.72E+02
Be	ICPMS	1.33E-03	8.25E-01
Ca	ICPMS	4.40E+01	1.28E+05
Cd	ICPMS	2.32E-02	4.75E-01
Ce	ICPMS	2.87E-03	3.15E+01
Chloride	IC	2.10E-01	1.21E+04
Co	ICPMS	2.20E-02	7.35E+00
Cr	ICPMS	1.39E-01	1.45E+01
Cu	ICPMS	6.76E-01	1.42E+01
Dy	ICPMS	6.84E-04	1.98E+00

Er	ICPMS	5.22E-04	9.70E-01
Eu	ICPMS	6.66E-04	6.54E-01
Fe	ICPMS	1.19E+01	1.49E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	3.21E+00
Hg	AA	2.50E-03	2.45E-02
K	ICPMS	3.92E+01	4.33E+03
La	ICPMS	1.65E-03	1.47E+01
Li	ICPMS	8.34E-03	1.87E+01
Mg	ICPMS	1.16E+01	1.08E+04
Mn	ICPMS	8.92E-02	4.04E+02
Mo	ICPMS	7.56E-02	3.00E+00
Na	ICPMS	1.06E+02	6.51E+03
Nd	ICPMS	1.45E-03	1.54E+01
Ni	ICPMS	1.06E-01	2.36E+01
Nitrate	IC	5.88E-01	<MDL
Pb	ICPMS	1.77E-01	1.59E+01
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	3.93E+00
Sb	ICPMS	2.19E-02	<MDL
Se	AA	9.20E-02	2.80E+00
Sm	ICPMS	8.73E-04	3.07E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	6.56E+02
Sulfate	IC	1.11E+00	6.24E+03
Th	ICPMS	7.81E-04	4.02E+00
Ti	ICPMS	1.42E-01	2.82E+02
Tl	ICPMS	1.21E-01	<MDL

U	ICPMS	8.59E-04	4.04E+00
V	ICPMS	2.68E-01	3.94E+01
Zn	ICPMS	2.67E+00	5.51E+01
July 27, 1999 (9.4 m depth)			
Ag	ICPMS	5.02E-03	9.38E-02
Al	ICPMS	4.50E+00	1.23E+04
As	AA	1.40E-01	5.40E+00
Ba	ICPMS	2.14E-01	2.33E+02
Be	ICPMS	1.33E-03	5.25E-01
Ca	ICPMS	4.40E+01	1.47E+05
Cd	ICPMS	2.32E-02	3.88E-01
Ce	ICPMS	2.87E-03	1.90E+01
Chloride	IC	2.10E-01	1.07E+04
Co	ICPMS	2.20E-02	6.66E+00
Cr	ICPMS	1.39E-01	1.08E+01
Cu	ICPMS	6.76E-01	1.15E+01
Dy	ICPMS	6.84E-04	1.11E+00
Er	ICPMS	5.22E-04	5.40E-01
Eu	ICPMS	6.66E-04	4.24E-01
Fe	ICPMS	1.19E+01	1.42E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	1.89E+00
Hg	AA	2.50E-03	2.21E-02
K	ICPMS	3.92E+01	<MDL
La	ICPMS	1.65E-03	1.00E+01
Li	ICPMS	8.34E-03	1.12E+01
Mg	ICPMS	1.16E+01	1.01E+04
Mn	ICPMS	8.92E-02	4.76E+02

Mo	ICPMS	7.56E-02	8.59E-01
Na	ICPMS	1.06E+02	<MDL
Nd	ICPMS	1.45E-03	1.08E+01
Ni	ICPMS	1.06E-01	1.75E+01
Nitrate	IC	5.88E-01	<MDL
Pb	ICPMS	1.77E-01	9.37E+00
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	2.70E+00
Sb	ICPMS	2.19E-02	1.03E-01
Se	AA	9.20E-02	1.92E+00
Sm	ICPMS	8.73E-04	2.06E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	5.55E+02
Sulfate	IC	1.11E+00	9.38E+03
Th	ICPMS	7.81E-04	2.13E+00
Ti	ICPMS	1.42E-01	2.99E+02
Tl	ICPMS	1.21E-01	<MDL
U	ICPMS	8.59E-04	1.66E+00
V	ICPMS	2.68E-01	2.27E+01
Zn	ICPMS	2.67E+00	4.47E+01
July 27, 1999 (13.4 m depth)			
Ag	ICPMS	5.02E-03	1.11E-01
Al	ICPMS	4.50E+00	1.47E+04
As	AA	1.40E-01	4.83E+00
Ba	ICPMS	2.14E-01	2.84E+02
Be	ICPMS	1.33E-03	6.11E-01
Ca	ICPMS	4.40E+01	2.04E+05
Cd	ICPMS	2.32E-02	4.14E-01

Ce	ICPMS	2.87E-03	2.32E+01
Chloride	IC	2.10E-01	1.08E+04
Co	ICPMS	2.20E-02	6.50E+00
Cr	ICPMS	1.39E-01	1.34E+01
Cu	ICPMS	6.76E-01	1.35E+01
Dy	ICPMS	6.84E-04	1.30E+00
Er	ICPMS	5.22E-04	6.37E-01
Eu	ICPMS	6.66E-04	5.10E-01
Fe	ICPMS	1.19E+01	1.49E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	2.23E+00
Hg	AA	2.50E-03	2.02E-02
K	ICPMS	3.92E+01	4.34E+03
La	ICPMS	1.65E-03	1.20E+01
Li	ICPMS	8.34E-03	1.27E+01
Mg	ICPMS	1.16E+01	1.17E+04
Mn	ICPMS	8.92E-02	5.31E+02
Mo	ICPMS	7.56E-02	1.65E+00
Na	ICPMS	1.06E+02	<MDL
Nd	ICPMS	1.45E-03	1.24E+01
Ni	ICPMS	1.06E-01	2.04E+01
Nitrate	IC	5.88E-01	<MDL
Pb	ICPMS	1.77E-01	1.01E+01
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	3.15E+00
Sb	ICPMS	2.19E-02	8.13E-02
Se	AA	9.20E-02	2.52E+00
Sm	ICPMS	8.73E-04	2.47E+00

Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	2.84E+02
Sulfate	IC	1.11E+00	6.57E+03
Th	ICPMS	7.81E-04	2.36E+00
Ti	ICPMS	1.42E-01	3.36E+02
Tl	ICPMS	1.21E-01	<MDL
U	ICPMS	8.59E-04	2.31E+00
V	ICPMS	2.68E-01	2.77E+01
Zn	ICPMS	2.67E+00	5.28E+01
July 27, 1999 (13.7 m depth)			
Ag	ICPMS	5.02E-03	9.96E-02
Al	ICPMS	4.50E+00	1.20E+04
As	AA	1.40E-01	5.54E+00
Ba	ICPMS	2.14E-01	2.58E+02
Be	ICPMS	1.33E-03	5.60E-01
Ca	ICPMS	4.40E+01	1.95E+05
Cd	ICPMS	2.32E-02	4.15E-01
Ce	ICPMS	2.87E-03	2.33E+01
Chloride	IC	2.10E-01	1.30E+04
Co	ICPMS	2.20E-02	6.36E+00
Cr	ICPMS	1.39E-01	1.25E+01
Cu	ICPMS	6.76E-01	1.44E+01
Dy	ICPMS	6.84E-04	1.29E+00
Er	ICPMS	5.22E-04	6.38E-01
Eu	ICPMS	6.66E-04	5.13E-01
Fe	ICPMS	1.19E+01	1.26E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	2.27E+00

Hg	AA	2.50E-03	2.10E-02
K	ICPMS	3.92E+01	<MDL
La	ICPMS	1.65E-03	1.21E+01
Li	ICPMS	8.34E-03	1.18E+01
Mg	ICPMS	1.16E+01	1.05E+04
Mn	ICPMS	8.92E-02	4.75E+02
Mo	ICPMS	7.56E-02	2.15E+00
Na	ICPMS	1.06E+02	<MDL
Nd	ICPMS	1.45E-03	1.23E+01
Ni	ICPMS	1.06E-01	2.23E+01
Nitrate	IC	5.88E-01	<MDL
Pb	ICPMS	1.77E-01	1.04E+01
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	3.14E+00
Sb	ICPMS	2.19E-02	1.26E-01
Se	AA	9.20E-02	2.70E+00
Sm	ICPMS	8.73E-04	2.44E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	7.26E+02
Sulfate	IC	1.11E+00	7.97E+03
Th	ICPMS	7.81E-04	2.18E+00
Ti	ICPMS	1.42E-01	2.92E+02
Tl	ICPMS	1.21E-01	<MDL
U	ICPMS	8.59E-04	2.51E+00
V	ICPMS	2.68E-01	3.07E+01
Zn	ICPMS	2.67E+00	5.06E+01
July 27, 1999 (12.8 m depth)			
Ag	ICPMS	5.02E-03	9.08E-02

Al	ICPMS	4.50E+00	1.24E+04
As	AA	1.40E-01	4.65E+00
Ba	ICPMS	2.14E-01	2.61E+02
Be	ICPMS	1.33E-03	5.01E-01
Ca	ICPMS	4.40E+01	1.46E+05
Cd	ICPMS	2.32E-02	3.98E-01
Ce	ICPMS	2.87E-03	2.30E+01
Chloride	IC	2.10E-01	1.80E+04
Co	ICPMS	2.20E-02	6.27E+00
Cr	ICPMS	1.39E-01	1.22E+01
Cu	ICPMS	6.76E-01	1.37E+01
Dy	ICPMS	6.84E-04	1.28E+00
Er	ICPMS	5.22E-04	6.21E-01
Eu	ICPMS	6.66E-04	5.05E-01
Fe	ICPMS	1.19E+01	1.30E+04
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	2.24E+00
Hg	AA	2.50E-03	1.75E-02
K	ICPMS	3.92E+01	<MDL
La	ICPMS	1.65E-03	1.19E+01
Li	ICPMS	8.34E-03	1.20E+01
Mg	ICPMS	1.16E+01	1.12E+04
Mn	ICPMS	8.92E-02	4.75E+02
Mo	ICPMS	7.56E-02	2.18E+00
Na	ICPMS	1.06E+02	<MDL
Nd	ICPMS	1.45E-03	1.20E+01
Ni	ICPMS	1.06E-01	2.03E+01
Nitrate	IC	5.88E-01	<MDL

Pb	ICPMS	1.77E-01	1.00E+01
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	3.09E+00
Sb	ICPMS	2.19E-02	1.14E-01
Se	AA	9.20E-02	2.81E+00
Sm	ICPMS	8.73E-04	2.40E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	7.50E+02
Sulfate	IC	1.11E+00	1.29E+04
Th	ICPMS	7.81E-04	2.17E+00
Ti	ICPMS	1.42E-01	2.92E+02
Tl	ICPMS	1.21E-01	<MDL
U	ICPMS	8.59E-04	2.49E+00
V	ICPMS	2.68E-01	3.12E+01
Zn	ICPMS	2.67E+00	4.64E+01

^aMDL = Method Detection Limit

^bICPMS = Inductively-Coupled Mass Spectrometry

^cNA = Sample was not analyzed for target analyte

^dICPES = Inductively-Coupled Plasma Emission Spectroscopy

^eAA = Atomic Absorption Spectroscopy

^fIC = Ion Chromatography