

N.E.B. COPY

AGAT[®] Laboratories

WATER ANALYSIS

Container Identification
PB 150

Previous Number	Laboratory Number
WG63754C	WG63754O

Operator Name
PARAMOUNT RESOURCES LTD.

Unique Well Identifier	Well Name	Elevation
N-01-60-10-123-15	PARA ET AL FORT LIARD N-01-60-10-123-15	KB m 492.10 GRD m 487.00

Field or Area	Pool or Zone	Sampler's Company
FORT LIARD	MATTSON	ALPINE

Test Type	Test No.	Test Recovery	Name of Sampler
DST	5		

Test Interval or Perfs	Sampling Point	Separator	Reservoir	Source	Sampled	Received
1738.00-1759.00	3					
mKB		Pressure (kPa)				
		Temperature (°C)				

Date Sampled	Date Received	Date Reported	Analyst
Jan 10, 2001	Jan 12, 2001	Jan 16, 2001	LN

Other Information
MUDDY WATER

Cations

ION	mg/L	Mass Fraction	mmol/L
Na	1720.0	0.271	74.8
K	145.0	0.023	3.7
Ca	18.2	0.003	0.5
Mg	13.4	0.002	0.6
Fe	210.0	0.033	3.8

Anions

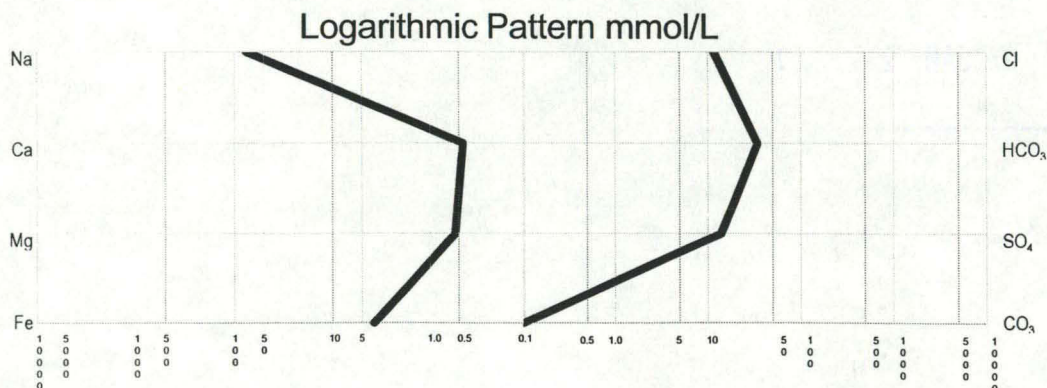
ION	mg/L	Mass Fraction	mmol/L
Cl	411.0	0.065	11.6
HCO ₃	2077.4	0.327	34.0
SO ₄	1326.0	0.209	13.8
CO ₃	Nil	Nil	Nil
OH	Nil	Nil	Nil
NO ₂	105.8	0.017	2.3
NO ₃	320.0	0.050	5.2

Other Measurements

Measurement	Value
Total Dissolved Solids (Calculated) mg/L	6346
Observed pH	8.21
H ₂ S (25°C) mg/L	N/D
Relative Density (25°C)	1.006
Resistivity / OHM·m (25°C)	1.560
Salinity %	0.07

Total Cations 88.1

Total Anions 80.7



iv. BOARD
ENCL. 24
JAN 21 2000



N.E.B. COPY

Container Identification
PB 9I

Previous Number	Laboratory Number
WG63754C	WG63754I

Operator Name
PARAMOUNT RESOURCES LTD.

Unique Well Identifier	Well Name	Elevation
N-01-60-10-123-15	PARA ET AL FORT LIARD N-01-60-10-123-15	KB m 492.10 GRD m 487.00

Field or Area	Pool or Zone	Sampler's Company
FORT LIARD	MATTSON	ALPINE

Test Type	Test No.	Test Recovery	Name of Sampler
DST	2		

Test Interval or Perfs	Sampling Point	Separator	Reservoir	Source	Sampled	Received
1643.00-1648.00	3					
mKB		Pressure (kPa)				
		Temperature (°C)				

Date Sampled	Date Received	Date Reported	Analyst
Jan 07, 2001	Jan 12, 2001	Jan 15, 2001	LN

Other Information
REVERSED OUT

Cations

ION	mg/L	Mass Fraction	mmol/L
Na	1517.0	0.328	66.0
K	16.6	0.004	0.4
Ca	14.4	0.003	0.4
Mg	2.6	0.001	0.1
Fe	1.9	Trace	Trace

Anions

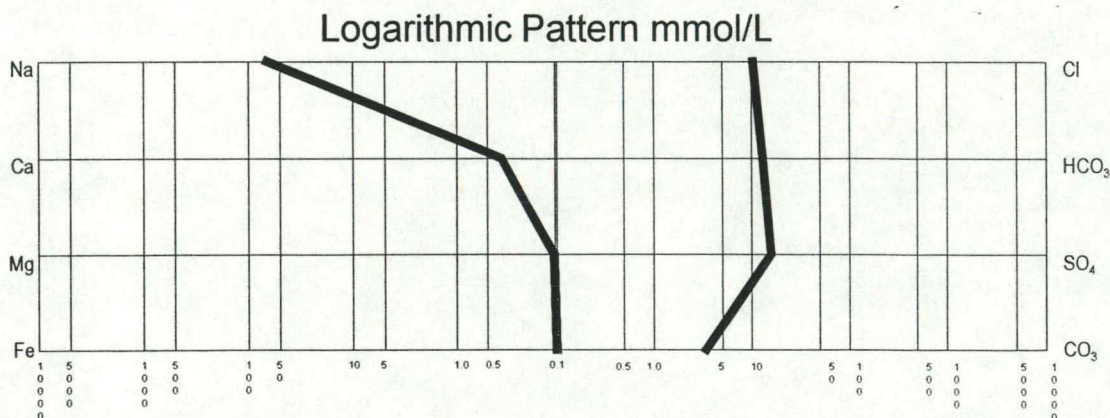
ION	mg/L	Mass Fraction	mmol/L
Cl	370.0	0.080	10.4
HCO ₃	792.1	0.172	13.0
SO ₄	1512.0	0.327	15.7
CO ₃	205.8	0.045	3.4
OH	Nil	Nil	Nil
NO ₃	186.0	0.040	3.0

Other Measurements

Measurement	Value
Mud Filtrate Loss mL	7.50
Total Dissolved Solids (Calculated) mg/L	4618
Observed pH	9.38
H ₂ S (25°C) mg/L	N/D
Relative Density (25°C)	1.005
Resistivity / OHM·m (25°C)	1.930
Salinity %	0.07

Total Cations 67.3

Total Anions 61.3





Container Identification
PB 3C

Previous Number	Laboratory Number
WG63754I	WG63754C

N.E.B. COPY

Operator Name
PARAMOUNT RESOURCES LTD.

Unique Well Identifier	Well Name	Elevation
N-01-60-10-123-15	PARA ET AL FORT LIARD N-01-60-10-123-15	KB m 492.10 GRD m 487.00

Field or Area	Pool or Zone	Sampler's Company
FORT LIARD	MATTSON	ALPINE

Test Type	Test No.	Test Recovery	Name of Sampler
DST	1		

Test Interval or Perfs	Sampling Point	Separator	Reservoir	Source	Sampled	Received
1682.00-1691.00	3					
mKB		Pressure (kPa)				
		Temperature (°C)				

Date Sampled	Date Received	Date Reported	Analyst
Jan 07, 2001	Jan 12, 2001	Jan 15, 2001	LN

Other Information

Cations

Anions

Other Measurements

Total Cations

Total Anions

There is not a sufficient quantity of water for analysis.

Logarithmic Pattern mmol/L

Na

Cl

Ca

HCO₃

Mg

SO₄

Fe

CO₃

1 5 1 5 1 5 10 5 1.0 0.5 0.1 0.5 1.0 5 10 5 1 5 1 5 1
0
0
0 0

