WEST RIDGE RESOURCES, INC.

P.O. BOX 902
PRICE, UTAH 84501
PHONE (435) 637-5385
FAX (435) 637-8860

November 29, 1999

*NO EDI

Tracking
then Jim then Rate
Binder

1/3

Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Attn: Pamela Grubaugh-Littig
re: Water Monitoring Data, 3rd Quarter

ACT/007/041 #7

Dear Ms. Littig

Enclosed please find West Ridge Resources' 3rd quarter water monitoring information for 1999.

Please call me with any questions.

Sincerely,

Michael W. Glasson

Michael W. Glasson
Senior Geologist

Checked

JPS

ANDALEX
RESOURCES, INC.
Tower Division

P.O. BOX 902
PRICE, UTAH 84501
PHONE (435) 637-5385
FAX (435) 637-8860

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FACSIMILE TRANSMITTAL SHEET

DATE: November 29, 1999

TO: Pam Grubaugh-Littig

COMPANY: UDOGM

FAX #: (801) 359-3940

FROM: M. Glasson

TOTAL NUMBER OF PAGES (INCLUDING COVER SHEET): 2

Pam-

Let me know if you need anything else.

Regards
Mike

jbr
environmental consultants, inc.
8160 South Highland Drive • Sandy, Utah 84093 • (801) 943-4144 • Fax (801) 942-1852

November 15, 1999

Mr. Ken Wyatt
Utah Division of Oil, Gas and Mining
P.O. Box 145801
1594 West N. Temple
Salt Lake City, UT 84114-5801

Called Mike 11/17
for cover letter.

Dear Ken,

With this letter, I am transmitting the 3rd quarter operational water monitoring results for the West Ridge Mine. These results include field data and laboratory analyses for all of the surface water and ground water sites that are currently included in the West Ridge MRP. You may have already received a portion of this information from Jean Semborski prior to her leaving Andalex, however, to insure that nothing is left out, I am sending you the entire 3rd quarter report.

Feel free to call me (435-637-9645) if you have any questions on this information.

Sincerely,

Karla Knoop

E-mailed Mike
on 11/22 & 11/23

Karla Knoop
Hydrologist

copy: Mike Glasson, West Ridge Mine

RECEIVED
NOV 17 1999
DIV. OF OIL, GAS & MINING

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-6

7-1-99

Spring Location: Left Fork Bear Canyon, T13 S, R 13 E, Section 34 SW¼ SE¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
05/98						No access due to logging.
06/98						No access due to logging.
07/98						No access due to logging.
08/25/98	1015				0	Wet, but no flowing water.
09/30/98	1200				0	Wet, but no flowing water.
10/15/98	0900				0	
Maximum Value					0	
Minimum Value					0	
Average					0	
Standard Deviation					0	
Count		0	0	0	3	

UTAH DIVISION OIL, GAS AND MINING
APR 1 1999
INCORPORATED
EFFECTIVE:

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

December 1, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by o/c to update kr 10/20/2000

WEST RIDGE (SPRING & GROUNDWATER)
SP-8

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled November 3, 1999

Date received November 3, 1999

Rec'd 1200 hr.
Sampled 1025 hr.
FIELD MEASUREMENTS
pH 8.2
Conductivity 1700
Temperature 40.0°F

POSSIBLE MATRIX INTERFER. ON CHLORIDE.

Analysis report no. 59-20852

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	721	5	mg/l	as HCO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Total	591	5	mg/l	as $CaCO_3$	EPA 310.1	11-12-1999 0945	MK
Anions	22.0	----	meq/l		---------	11-16-1999 0900	RJ
Calcium, Dissolved	74	1	mg/l		EPA 215.1	11-12-1999 1255	SC
Cations	23.7	----	meq/l		---------	11-16-1999 0900	RJ
Chloride	18	1	mg/l		EPA 300.0	11-08-1999 1055	RJ
Hardness, Total	782	----	mg/l	as $CaCO_3$	SM2340-B	11-16-1999 0900	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Iron, Total	0.7	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Magnesium, Dissolved	145	2	mg/l		EPA 242.1	11-12-1999 1300	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Potassium, Dissolved	4	1	mg/l		EPA 258.1	11-12-1999 1020	SC
Sodium, Dissolved	183	2	mg/l		EPA 273.1	11-12-1999 1220	SC
Solids, Total Dissolved	1341	10	mg/l		EPA 160.1	11-04-1999 0600	MK
Sulfate	465	6	mg/l		EPA 300.0	11-08-1999 1055	RJ
Cation/Anion Balance	3.7	----	%			11-16-1999 0900	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

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10-11-00 DJ

September 27, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to UBate 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-8

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled September 9, 1999

Date received September 9, 1999

Rec'd 1200 hr.
Sampled 0930 hr.

FIELD MEASUREMENTS

pH	8.0
Conductivity	1.70
Temperature	47.0°F

Analysis report no. 59-20491

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	733	5	mg/l	as HCO_3	EPA 310.1	09-15-1999 0800	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	09-15-1999 0800	KP
Alkalinity, Total	601	5	mg/l	as $CaCO_3$	EPA 310.1	09-15-1999 0800	KP
Anions	23.9	----	meq/l		---------	09-23-1999 1600	RJ
Calcium, Dissolved	79	1	mg/l		EPA 215.1	09-22-1999 1725	SC
Cations	22.4	----	meq/l		---------	09-23-1999 1600	RJ
Chloride	18	1	mg/l		EPA 325.2	09-23-1999 1120	MK
Hardness, Total	757	----	mg/l	as $CaCO_3$	SM2340-B	09-23-1999 1600	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-22-1999 0940	SC
Iron, Total	6.2	0.2	mg/l		EPA 236.1	09-22-1999 0940	SC
Magnesium, Dissolved	136	2	mg/l		EPA 242.1	09-22-1999 1820	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-22-1999 1115	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-22-1999 1115	SC
Potassium, Dissolved	5	1	mg/l		EPA 258.1	09-22-1999 1330	SC
Sodium, Dissolved	164	2	mg/l		EPA 273.1	09-22-1999 1520	SC
Solids, Total Dissolved	1323	10	mg/l		EPA 160.1	09-14-1999 0700	KP
Sulfate	546	10	mg/l		EPA 300.0	09-15-1999 0843	MK
Cation/Anion Balance	-3.2	----	%			09-23-1999 1600	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R. L. Cormier

Huntington Laboratory

MEMBER ACIL

GROUND WATER MONITORING DATA
LOCATION: SP-8 C Canyon
1999

Operational

PARAMETERS	UNITS	SAMPLE DATES				
DATE OF EVENT		06/10/99	09/09/99			
WATER LEVEL OR FLOW		2.0 gpm	1.0 gpm			
TEMPERATURE (FIELD)	C	6.0	8.0			
DISSOLVED OXYGEN (FIELD)	MG/L	a	a			
pH (FIELD)	S.U.	7.8	8.0			
pH (LAB)	S.U.	a	a			
CONDUCT. (FIELD)	UMHOS/CM @ 25C	1,700	1,700			
CONDUCT. (LAB)	UMHOS/CM @ 25C	a	a			
TOTAL DISSOLVED SOLIDS	MG/L	1,314	1,323			
TOTAL SETTLEABLE SOLIDS	MG/L	a	a			
TOTAL SUSPENDED SOLIDS	MG/L	a	a			
TOTAL HARDNESS AS CaCO3	MG/L	751	a			
OIL AND GREASE	MG/L	a	a			
NITRITE	MG/L	a	a			
TOTAL, NITRATE/NITRITE	MG/L	a	a			
NITROGEN, AMMONIA	MG/L	a	a			
BICARBONATE AS HCO3	MG/L	705	757			
CARBONATE AS CO3	MG/L	<5	<5			
MAJOR CATIONS	MEQ/L	22.3	22.4			
MAJOR ANIONS	MEQ/L	24.2	23.9			
ACIDITY	MG/L	<10	a			
ALKALINITY	MG/L	578	601			
ALUMINUM	MG/L	a	a			
ARSENIC	MG/L	a	a			
BARIUM	MG/L	a	a			
BORON	MG/L	a	a			
CADMIUM	MG/L	a	a			
CALCIUM	MG/L	73	79			
CHLORIDE	MG/L	15	18			
CHROMIUM	MG/L	a	a			
COPPER	MG/L	a	a			
IRON, DISSOLVED	MG/L	<0.1	<0.1			
IRON, TOTAL	MG/L	0.1	6.2			
LEAD	MG/L	a	a			
MAGNESIUM	MG/L	138	136			
MANGANESE, DISSOLVED	MG/L	<0.1	<0.1			
MANGANESE, TOTAL	MG/L	<0.1	<0.1			
MERCURY	MG/L	a	a			
MOLYBDENUM	MG/L	a	a			
NICKEL	MG/L	a	a			
PHOSPHORUS, ORTHO-PO4	MG/L	a	a			
POTASSIUM	MG/L	4	5			
SELENIUM	MG/L	a	a			
SODIUM	MG/L	166	164			
SULFATE	MG/L	588	546			
ZINC	MG/L	a	a			
CATION/ANION BALANCE	%	-4.1	-3.2			

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

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9-25-00 DJ

June 29, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by OK to update 10/20/00 th

WEST RIDGE (SPRING & GROUNDWATER)
ID:SP-8 C Canyon Spring

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 10, 1999

Date received June 10, 1999

Rec'd 1350 hr.
Sampled 1115 hr.

FIELD MEASUREMENTS

pH	7.8
Conductivity	1700
Temperature	42°F

Analysis report no. 59-19982

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	06-16-1999 1200	KP
Alkalinity, Bicarbonate	705	5	mg/l	as HCO_3	EPA 310.1	06-17-1999 1400	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	06-17-1999 1400	KP
Alkalinity, Total	578	5	mg/l	as $CaCO_3$	EPA 310.1	06-17-1999 1400	KP
Anions	24.2	----	meq/l		---------	06-24-1999 1130	RJ
Calcium, Dissolved	73	1	mg/l		EPA 215.1	06-17-1999 1521	SC
Cations	22.3	----	meq/l		---------	06-24-1999 1130	RJ
Chloride	15	1	mg/l		EPA 300.0	06-18-1999 0800	MK
Hardness, Total	751	----	mg/l	as $CaCO_3$	SM2340-B	06-24-1999 1130	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	06-17-1999 0929	SC
Iron, Total	0.1	0.1	mg/l		EPA 236.1	06-17-1999 0929	SC
Magnesium, Dissolved	138	2	mg/l		EPA 242.1	06-17-1999 1642	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	06-17-1999 1031	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	06-17-1999 1031	SC
Potassium, Dissolved	4	1	mg/l		EPA 258.1	06-17-1999 1235	SC
Sodium, Dissolved	166	2	mg/l		EPA 273.1	06-17-1999 1347	SC
Solids, Total Dissolved	1314	10	mg/l		EPA 160.1	06-15-1999 0800	KP
Sulfate	588	5	mg/l		EPA 300.0	06-18-1999 0800	MK
Cation/Anion Balance	-4.1	----	%			06-24-1999 1130	RJ

OK

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

MEMBER ACIL

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-8

Spring Location: C Canyon, T 14 S, R 13 E, Section 11, NE¼ SE¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
06/03/98	1120	7.5	1240	6	6.7	
07/20/98	0900	8.1	1450	9	3.3	
08/25/98	1500	7.9	1340			
09/30/98	1455	7.9	14			
Maximum Value		8.1	14			
Minimum Value		7.5	12			
Average		7.9	13			
Standard Deviation		0.25	92.01	1.73	2.04	
Count		4	4	4	4	

entered by
Nina Braxton
7/99

UTAH DIVISION OIL, GAS AND MINING
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WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-8

Spring Location: C Canyon, T 14 S, R 13 E, Section 11, NE¼ SE¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
06/03/98	1120	7.5	1240	6	6.7	
07/20/98	0900	8.1	1450	9	3.3	
08/25/98	1500	7.9	1340	10	3.0	
09/30/98	1455	7.9	1410	9	2.0	
Maximum Value		8.1	1450	10	6.7	
Minimum Value		7.5	1240	6	2	
Average		7.9	1360	8.5	3.8	
Standard Deviation		0.25	92.01	1.73	2.04	
Count		4	4	4	4	

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EFFECTIVE
APR 1999

UTAH DIVISION OIL, GAS AND MINING

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FAX: (435) 653-2436

M 1-1-99

December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-8

Kind of sample reported to us Water

Rec'd 1020 hr.
Sampled 1455 hr.

Sample taken at

Sample taken by

Date sampled September 30, 1998

Date received October 1, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19203

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	21	10	mg/l	as $CaCO_3$	D1067-92	10-08-1998 0834	DL
Alkalinity, Bicarbonate	725	5	mg/l	as HCO_3	SM2320-B	10-05-1998 0811	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	10-05-1998 0811	DL
Alkalinity, Total	594	5	mg/l	as $CaCO_3$	EPA 310.1	10-05-1998 0811	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	11-17-1998 1115	MK
Anions	23.8	----	meq/l		---------	12-01-1998 1200	SC
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	12-10-1998	
Boron, Dissolved	0.4	0.1	mg/l		EPA 212.3	11-06-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	11-17-1998 0530	MK
Calcium, Dissolved	79	1	mg/l		EPA 215.1	11-17-1998 0930	MK
Cations	23.1	----	meq/l		---------	12-01-1998 1200	SC
Chloride	18	1	mg/l		EPA 300.0	10-01-1998 1116	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	11-17-1998 0445	MK
Hardness, Total	770	----	mg/l	as $CaCO_3$	SM2340-B	12-01-1998 1200	SC
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-17-1998 0615	MK
Iron, Total	8.8	0.5	mg/l		EPA 236.1	11-17-1998 0615	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	11-17-1998 0545	MK
Magnesium, Dissolved	139	2	mg/l		EPA 242.1	11-17-1998 1000	MK
Manganese, Total	0.3	0.1	mg/l		EPA 243.1	11-17-1998 0730	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-17-1998 0730	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	11-17-1998 1145	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	~~EPA 350.3~~	~~10-15-1998 0945~~	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	10-01-1998 1116	SC
Nitrogen, Nitrite	0.20	0.03	mg/l	as N	EPA 300.0	10-01-1998 1116	SC

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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NB 1-4-99

December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-8

Kind of sample reported to us Water

Rec'd 1020 hr.
Sampled 1455 hr.

Sample taken at

Sample taken by

Date sampled September 30, 1998

Date received October 1, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19203

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.50	0.05	mg/l as P	EPA 300.0	10-01-1998 1116 SC
Potassium, Dissolved	4	1	mg/l	EPA 258.1	11-17-1998 0815 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	175	2	mg/l	EPA 273.1	11-17-1998 0830 MK
Solids, Total Dissolved	1361	10	mg/l	EPA 160.1	10-06-1998 1000 DL
Sulfate	547	1	mg/l	EPA 300.0	12-01-1998 1200 SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	11-17-1998 0500 MK
Cation/Anion Balance	-1.5	----	%		12-01-1998 1200 SC

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINI

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

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MB 1-1-99

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-8C CANYON SPRING

Kind of sample reported to us Water

Rec'd 1500 hr.
Sampled 1425 hr.

Sample taken at

Sample taken by

Date sampled August 25, 1998

Date received August 26, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18970

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst
Acidity	22	10	mg/l	as $CaCO_3$	D1067-92	09-03-1998 0755 DL
Alkalinity, Bicarbonate	673	5	mg/l	as HCO_3	SM2320-B	09-03-1998 0925 DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	09-03-1998 0925 DL
Alkalinity, Total	551	5	mg/l	as $CaCO_3$	EPA 310.1	09-03-1998 0925 DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	09-14-1998 1430 MK
Anions	23.5	----	meq/l		---------	09-19-1998 1600 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-15-1998 0930 MK
Boron, Dissolved	0.4	0.1	mg/l		EPA 212.3	09-17-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	09-14-1998 0900 MK
Calcium, Dissolved	77	1	mg/l		EPA 215.1	09-14-1998 1300 MK
Cations	22.3	----	meq/l		---------	09-19-1998 1600 RJ
Chloride	19	1	mg/l		EPA 300.0	09-14-1998 1000 SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	09-14-1998 0800 MK
Hardness, Total	765	----	mg/l	as $CaCO_3$	SM2340-B	09-19-1998 1600 RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945 MK
Iron, Total	0.2	0.1	mg/l		EPA 236.1	09-14-1998 0945 MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	09-14-1998 0915 MK
Magnesium, Dissolved	139	2	mg/l		EPA 242.1	09-14-1998 1330 MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045 MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	09-14-1998 1530 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	09-01-1998 1300 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	~~08-27-1998 0838~~ SC
Nitrogen, Nitrite	<0.03	0.01	mg/l	as N	EPA 300.0	~~08-27-1998 0838~~ SC

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Respectfully submitted,
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NB 7-1-99

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-8C CANYON SPRING

Kind of sample reported to us Water

Rec'd 1500 hr.
Sampled 1425 hr.

Sample taken at

Sample taken by

Date sampled August 25, 1998

Date received August 26, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18970

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.03	0.01	mg/l as	EPA 300.0	08-27-1998 0838	SC
Potassium, Dissolved	4	1	mg/l	EPA 258.1	09-14-1998 1130	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500	MK
Sodium, Dissolved	160	2	mg/l	EPA 273.1	09-14-1998 1200	MK
Solids, Total Dissolved	1131	10	mg/l	EPA 160.1	09-02-1998 0814	DL
Sulfate	571	10	mg/l	EPA 300.0	09-15-1998 0900	SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	09-14-1998 0815	MK
Cation/Anion Balance	-2.4	----	%		09-19-1998 1600	RJ

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APR 01 1999

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COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

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FAX: (435) 653-2436

NB 11-1-99

October 14, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

SPRING SP-8

Kind of sample reported to us Water

Rec'd 1530 hr.
Sampled 1120 hr.

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 3, 1998

Date received June 3, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB

Analysis report no. 59-18567

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	17	10	mg/l	as $CaCO_3$	D1067-92	06-08-1998 1300	DL
Alkalinity, Bicarbonate	623	5	mg/l	as HCO_3	SM2320-B	06-05-1998 0819	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	06-05-1998 0818	DL
Alkalinity, Total	511	5	mg/l	as $CaCO_3$	EPA 310.1	06-05-1998 0818	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	06-10-1998 1500	MK
Anions	20.9	----	meq/l		---------	07-02-1998 1200	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	06-16-1998 1045	MK
Boron, Dissolved	0.3	0.1	mg/l		EPA 212.3	06-17-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	06-10-1998 1115	MK
Calcium, Dissolved	77	1	mg/l		EPA 215.1	06-10-1998 1400	MK
Cations	21.2	----	meq/l		---------	07-02-1998 1200	RJ
Chloride	15	1	mg/l		SM4500-Cl-B	06-12-1998 0800	DL
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	06-10-1998 1015	MK
Hardness, Total	752	----	mg/l	as $CaCO_3$	SM2340-B	07-02-1998 1200	RJ
Iron, Total	0.1	0.1	mg/l		EPA 236.1	06-10-1998 1215	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	06-10-1998 1215	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	06-10-1998 1130	MK
Magnesium, Dissolved	136	2	mg/l		EPA 242.1	06-10-1998 1415	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	06-10-1998 1230	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	06-10-1998 1230	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	06-10-1998 1615	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	06-22-1998 0800	SC
Nitrogen, Nitrate-Nitrite	0.1	0.1	mg/l	as N	~~EPA 353.3~~	06-23-1998 0800	SC
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	06-04-1998 [illegible]	RJ

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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7-1-99

October 14, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

SPRING SP-8

Kind of sample reported to us Water

Rec'd 1530 hr.
Sampled 1120 hr.

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 3, 1998

Date received June 3, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB

Analysis report no. 59-18567

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.01	0.01	mg/l as P	SM4500-P-E	06-04-1998 0800	SC
Potassium, Dissolved	4	1	mg/l	EPA 258.1	06-10-1998 1300	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-16-1998 1430	MK
Sodium, Dissolved	140	2	mg/l	EPA 273.1	06-10-1998 1315	MK
Solids, Total Dissolved	1219	10	mg/l	EPA 160.1	06-08-1998 0800	SC
Sulfate	492	250	mg/l	EPA 375.4	06-26-1998 0828	DL
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	06-10-1998 1030	MK
Cation/Anion Balance	0.8	----	%		07-02-1998 1200	RJ

INCORPORATED
EFFECTIVE:
APR 01 1996
UTAH DIVISION OF OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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August 14, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
ID:SP-8 CANYON SPRING

Kind of sample reported to us Water

Rec'd 1020 hr.
Sampled 0900 hr.

Sample taken at

Sample taken by

FIELD MEASUREMENTS
pH 8.1
Conductivity 1450
Temperature 18.0°C

Date sampled July 20, 1998

Date received July 20, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18823

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	16	10	mg/l as $CaCO_3$	D1067-92	07-23-1998 0635 DL
Alkalinity, Bicarbonate	662	5	mg/l as HCO_3	SM2320-B	07-22-1998 0800 DL
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	07-22-1998 0800 DL
Alkalinity, Total	543	5	mg/l as $CaCO_3$	EPA 310.1	07-22-1998 0800 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	07-27-1998 1345 MK
Anions	27.0	----	meq/l	---------	08-11-1998 2000 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	08-03-1998 1000 MK
Boron, Dissolved	0.4	0.1	mg/l	EPA 212.3	08-12-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	07-27-1998 0800 MK
Calcium, Dissolved	87	1	mg/l	EPA 215.1	08-11-1998 0800 MK
Cations	22.6	----	meq/l	---------	08-11-1998 2000 RJ
Chloride	17	1	mg/l	EPA 300.0	07-29-1998 1048 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	07-27-1998 0715 MK
Hardness, Total	794	----	mg/l as $CaCO_3$	SM2340-B	08-11-1998 2000 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	07-27-1998 0900 MK
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	07-27-1998 0900 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	07-27-1998 0815 MK
Magnesium, Dissolved	140	2	mg/l	EPA 242.1	08-11-1998 0845 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	07-27-1998 0945 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	07-27-1998 0945 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	07-27-1998 1415 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	08-06-1998 0800 SC
Nitrogen, Nitrate-Nitrite	0.2	0.1	mg/l as N	EPA 300.0	07-23-1998 1410 RJ
Nitrogen, Nitrite	<0.03	0.01	mg/l as N	EPA 300.0	07-23-1998 1410 RJ

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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11-1-99

August 14, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
ID:SP-8 CANYON SPRING

Kind of sample reported to us Water

Rec'd 1020 hr.
Sampled 0900 hr.

Sample taken at

Sample taken by

FIELD MEASUREMENTS
pH 8.1
Conductivity 1450
Temperature 18.0°C

Date sampled July 20, 1998

Date received July 20, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18823

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.01	0.01	mg/l as	EPA 300.0	07-23-1998 1400 RJ
Potassium, Dissolved	4	1	mg/l	EPA 258.1	08-11-1998 1215 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	08-04-1998 0800 MK
Sodium, Dissolved	152	2	mg/l	EPA 273.1	07-27-1998 1115 MK
Solids, Total Dissolved	1499	10	mg/l	EPA 160.1	07-22-1998 0740 SC
Sulfate	752	8	mg/l	EPA 300.0	07-29-1998 1100 SC
Zinc, Dissolved	0.04	0.01	mg/l	EPA 289.1	07-27-1998 0730 MK
Cation/Anion Balance	-8.9	----	%		08-11-1998 2000 RJ

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EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND M

Huntington Laboratory

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WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-9

1-8-99

Spring Location: B Canyon, T 14 S, R 13 E, Section 12, SW¼ SW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
06/22/98	1600				0	No change from last year.
07/25/98	1100				0	
08/31/98	1215				0	
10/15/98	1200				0	
Maximum Value					0	
Minimum Value					0	
Average					0	
Standard Deviation					0	
Count		0	0	0	4	

UTAH DIVISION OIL, GAS AND MINING
INCORPORATED
EFFECTIVE:
APR 01 1999

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-11

MB 9-8-99

Spring Location: Uppermost Site in Left Fork Whitmore Canyon, T 13 S, R 13 E, Section 35, SE¼ SW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
05/19/98	0945				0	Looked within channel based upon old location information, but still no sign of flow.
07/28/98	1300				0	No water evident.
08/26/98	0900				0	No water evident.
10/13/98	1130				0	No water evident.
Maximum Value					0	
Minimum Value					0	
Average					0	
Standard Deviation					0	
Count		0	0	0	4	

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APR 1 1998

UTAH DIVISION OIL, GAS AND MINING

10-16-00 DJ

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December 1, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/26/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-12

Rec'd 1200 hr.
Sampled 1235 hr.
FIELD MEASUREMENTS
pH 8.8
Conductivity 660
Temperature 42.0°F

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled November 2, 1999

Date received November 3, 1999

Analysis report no. 59-20847

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	420	5	mg/l	as HCO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Total	345	5	mg/l	as $CaCO_3$	EPA 310.1	11-12-1999 0945	MK
Anions	8.9	----	meq/l		---------	11-16-1999 0900	RJ
Calcium, Dissolved	40	1	mg/l		EPA 215.1	11-12-1999 1255	SC
Cations	8.5	----	meq/l		---------	11-16-1999 0900	RJ
Chloride	4	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Hardness, Total	343	----	mg/l	as $CaCO_3$	SM2340-B	11-16-1999 0900	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Magnesium, Dissolved	59	1	mg/l		EPA 242.1	11-12-1999 1300	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Potassium, Dissolved	2	1	mg/l		EPA 258.1	11-12-1999 1020	SC
Sodium, Dissolved	36	1	mg/l		EPA 273.1	11-12-1999 1220	SC
Solids, Total Dissolved	455	10	mg/l		EPA 160.1	11-04-1999 0600	MK
Sulfate	91	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Cation/Anion Balance	2.4	----	%			11-16-1999 0900	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

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10-11-00 DJ

September 8, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

ok to upd at 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
ID:SP-12

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 25, 1999

Date received August 26, 1999

Rec'd 0950 hr.
Sampled 1030 hr.

FIELD MEASUREMENTS

pH	7.0
Conductivity	710
Temperature	8.0°C

Analysis report no. 59-20427

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	416	5	mg/l	as HCO_3	EPA 310.1	08-30-1999 0800	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	08-30-1999 0800	KP
Alkalinity, Total	341	5	mg/l	as $CaCO_3$	EPA 310.1	08-30-1999 0800	KP
Anions	8.8	----	meq/l		---------	09-07-1999 0930	RJ
Calcium, Dissolved	38	1	mg/l		EPA 215.1	09-02-1999 0730	SC
Cations	8.1	----	meq/l		---------	09-07-1999 0930	RJ
Chloride	4	1	mg/l		EPA 300.0	08-27-1999 0908	MK
Hardness, Total	330	----	mg/l	as $CaCO_3$	SM2340-B	09-07-1999 0930	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Magnesium, Dissolved	57	1	mg/l		EPA 242.1	09-02-1999 1010	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Potassium, Dissolved	1	1	mg/l		EPA 258.1	09-01-1999 1330	SC
Sodium, Dissolved	35	1	mg/l		EPA 273.1	09-02-1999 1040	SC
Solids, Total Dissolved	420	10	mg/l		EPA 160.1	08-31-1999 0800	KP
Sulfate	89	1	mg/l		EPA 300.0	08-27-1999 0908	MK
Cation/Anion Balance	-3.8	----	%			09-07-1999 0930	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R. J. Cormier

Huntington Laboratory

MEMBER ACIL

GROUND WATER MONITORING DATA
LOCATION: SP-12 Pagano Gate Spring
1999

PARAMETERS	UNITS	Baseline	Operational	SAMPLE DATES	
DATE OF EVENT		05/26/99	08/25/99		
WATER LEVEL OR FLOW		1 gpm	0.7 gpm		
TEMPERATURE (FIELD)	C	6.0	8.0		
DISSOLVED OXYGEN (FIELD)	MG/L	a	a		
pH (FIELD)	S.U.	7.4	7.0		
pH (LAB)	S.U.	a	a		
CONDUCT. (FIELD)	UMHOS/CM @ 25C	690	710		
CONDUCT. (LAB)	UMHOS/CM @ 25C	a	a		
TOTAL DISSOLVED SOLIDS	MG/L	416	420		
TOTAL SETTLEABLE SOLIDS	MG/L	a	a		
TOTAL SUSPENDED SOLIDS	MG/L	a	a		
TOTAL HARDNESS AS CaCO3	MG/L	347	330		
OIL AND GREASE	MG/L	a	a		
NITRITE	MG/L	<0.03	a		
TOTAL, NITRATE/NITRITE	MG/L	<0.03	a		
NITROGEN, AMMONIA	MG/L	<0.5	a		
BICARBONATE AS HCO3	MG/L	416	416		
CARBONATE AS CO3	MG/L	<5	<5		
MAJOR CATIONS	MEQ/L	8.5	8.1		
MAJOR ANIONS	MEQ/L	8.7	8.8		
ACIDITY	MG/L	<10	a		
ALKALINITY	MG/L	341	341		
ALUMINUM	MG/L	<1	a		
ARSENIC	MG/L	<0.01	a		
BARIUM	MG/L	a	a		
BORON	MG/L	0.3	a		
CADMIUM	MG/L	<0.01	a		
CALCIUM	MG/L	40	38		
CHLORIDE	MG/L	4	4		
CHROMIUM	MG/L	a	a		
COPPER	MG/L	<0.1	a		
IRON, DISSOLVED	MG/L	<0.1	<0.1		
IRON, TOTAL	MG/L	3.1	<0.1		
LEAD	MG/L	<0.1	a		
MAGNESIUM	MG/L	60	57		
MANGANESE, DISSOLVED	MG/L	<0.1	<0.1		
MANGANESE, TOTAL	MG/L	<0.1	<0.1		
MERCURY	MG/L	a	a		
MOLYBDENUM	MG/L	<0.1	a		
NICKEL	MG/L	a	a		
PHOSPHORUS, ORTHO-PO4	MG/L	<0.05	a		
POTASSIUM	MG/L	2	1		
SELENIUM	MG/L	<0.01	a		
SODIUM	MG/L	34	35		
SULFATE	MG/L	87	89		
ZINC	MG/L	<0.01	a		
CATION/ANION BALANCE	%	-1.6	-3.8		

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

9-25-00 DJ

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FAX: (435) 653-2436

June 16, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK + update

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-12

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled May 26, 1999

Date received May 27, 1999

Rec'd 0710 hr.
Sampled 1100 hr.
FIELD MEASUREMENTS
pH 7.4
Conductivity 690
Temperature 6.0°C

DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19916

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	06-03-1999 0800 KP
Alkalinity, Bicarbonate	416	5	mg/l as HCO_3	EPA 310.1	06-02-1999 0745 KP
Alkalinity, Carbonate	<5	5	mg/l as CO_3	EPA 310.1	06-02-1999 0745 KP
Alkalinity, Total	341	5	mg/l as $CaCO_3$	EPA 310.1	06-02-1999 0745 KP
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	06-07-1999 1324 SC
Anions	8.7	----	meq/l	---------	06-16-1999 0900 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-15-1999 0745 MK
Boron, Dissolved	0.3	0.1	mg/l	EPA 212.3	06-09-1999 0630 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	06-07-1999 1417 SC
Calcium, Dissolved	40	1	mg/l	EPA 215.1	06-09-1999 1336 SC
Cations	8.5	----	meq/l	---------	06-16-1999 0900 RJ
Chloride	4	1	mg/l	EPA 300.0	05-28-1999 0911 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	06-07-1999 1319 SC
Hardness, Total	347	----	mg/l as $CaCO_3$	SM2340-B	06-16-1999 0900 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	05-18-1999 1210 SC
Iron, Total	3.1	0.1	mg/l	EPA 236.1	06-08-1999 0905 SC
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	06-07-1999 1435 SC
Magnesium, Dissolved	60	1	mg/l	EPA 242.1	06-09-1999 1458 SC
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	06-08-1999 1204 SC
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-08-1999 1204 SC
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	06-07-1999 1343 SC
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	06-01-1999 0700 MK
Nitrogen, Nitrate-Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	05-28-1999 0911 SC
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	05-28-1999 0911 SC

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

MEMBER ACIL

9-25-00 DT

COMMERCIAL TESTING & ENGINEERING CO.

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June 16, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-12

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled May 26, 1999

Date received May 27, 1999

Rec'd 0710 hr.
Sampled 1100 hr.
FIELD MEASUREMENTS
pH 7.4
Conductivity 690
Temperature 6.0°C

DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19916

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	05-28-1999 0911 SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	06-08-1999 1342 SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-15-1999 1045 MK
Sodium, Dissolved	34	1	mg/l	EPA 273.1	06-09-1999 1041 SC
Solids, Total Dissolved	416	10	mg/l	EPA 160.1	06-01-1999 0800 KP
Sulfate	87	1	mg/l	EPA 300.0	05-28-1999 0911 SC
Zinc, Dissolved	<0.01	0.01	mg/l	EPA 289.1	06-07-1999 1347 SC
Cation/Anion Balance	-1.6	----	%		06-16-1999 0900 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

MEMBER ACIL

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-12

7-8-99

Spring Location: Developed Site Near Gate, T 14 S, R 13 E, Section 2, NE¼ NW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
05/19/98	1020	7.9	530	7.5	2.9	
07/28/98	1315	8.1	530	6	1.9	
08/26/98	0930	7.8	550	7	1.7	
10/13/98	1150	7.6	640	9	1.3	
Maximum Value		8.1	640	9	2.9	
Minimum Value		7.6	530	6	1.3	
Average		7.9	562.5	7.4	2.0	
Standard Deviation		0.21	53	1.25	0.68	
Count		4	4	4	4	

INCORPORATED
EFFECTIVE:
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NB 7-6-99

December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-12 PAGANO GATE SPRING

Kind of sample reported to us Water

Rec'd 0944 hr.
Sampled 1150 hr.

Sample taken at

Sample taken by

FIELD MEASUREMENTS
pH 7.6
Conductivity 640
Temperature 9°C

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19312

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	10-19-1998 1114	DL
Alkalinity, Bicarbonate	427	5	mg/l	as HCO_3	SM2320-B	10-23-1998 1006	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	10-23-1998 1006	DL
Alkalinity, Total	350	5	mg/l	as $CaCO_3$	EPA 310.1	10-23-1998 1006	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	11-29-1998 0715	MK
Anions	8.6	----	meq/l		---------	11-30-1998 1000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	12-10-1998	
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	11-19-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	11-29-1998 1300	MK
Calcium, Dissolved	40	1	mg/l		EPA 215.1	11-29-1998 0845	MK
Cations	8.4	----	meq/l		---------	11-30-1998 1000	RJ
Chloride	4	1	mg/l		EPA 300.0	10-14-1998 1000	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	11-29-1998 1400	MK
Hardness, Total	343	----	mg/l	as $CaCO_3$	SM2340-B	11-30-1998 1000	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-29-1998 1015	MK
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	11-29-1998 1015	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	11-29-1998 1315	MK
Magnesium, Dissolved	59	1	mg/l		EPA 242.1	11-29-1998 0930	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-29-1998 1100	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-29-1998 1100	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	11-29-1998 0800	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	11-10-1998 1100	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	10-14-1998 1000	SC
Nitrogen, Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	10-14-1998 1000	SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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1-8-99

December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-12 PAGANO GATE SPRING

Kind of sample reported to us Water

Rec'd 0944 hr.
Sampled 1150 hr.

Sample taken at

Sample taken by

FIELD MEASUREMENTS
pH 7.6
Conductivity 640
Temperature 9°C

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19312

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-14-1998 1000 SC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	11-29-1998 1145 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	35	1	mg/l	EPA 273.1	11-29-1998 1215 MK
Solids, Total Dissolved	453	10	mg/l	EPA 160.1	10-15-1998 0609 DL
Sulfate	73	1	mg/l	EPA 300.0	10-14-1998 1000 SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	11-29-1998 1415 MK
Cation/Anion Balance	-1.3	----	%		11-30-1998 1000 RJ

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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7-8-99

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-12 SPRING AT PAGAND GATE

Kind of sample reported to us Water

Rec'd 1500 hr.
Sampled 0930 hr.

Sample taken at

Sample taken by

Date sampled August 26, 1998

Date received August 26, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18971

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	10	10	mg/l	as $CaCO_3$	D1067-92	09-03-1998 0755	DL
Alkalinity, Bicarbonate	425	5	mg/l	as HCO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Total	384	5	mg/l	as $CaCO_3$	EPA 310.1	09-03-1998 0925	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	09-14-1998 1430	MK
Anions	8.7	----	meq/l		---------	09-19-1998 1600	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-15-1998 0930	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	09-17-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	09-14-1998 0900	MK
Calcium, Dissolved	40	1	mg/l		EPA 215.1	09-14-1998 1300	MK
Cations	8.3	----	meq/l		---------	09-19-1998 1600	RJ
Chloride	5	1	mg/l		EPA 300.0	09-14-1998 1000	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	09-14-1998 0800	MK
Hardness, Total	347	----	mg/l	as $CaCO_3$	SM2340-B	09-19-1998 1600	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	09-14-1998 0915	MK
Magnesium, Dissolved	60	1	mg/l		EPA 242.1	09-14-1998 1330	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	09-14-1998 1530	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	09-01-1998 1300	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	08-27-1998 0838	SC
Nitrogen, Nitrite	<0.03	0.01	mg/l	as N	EPA 300.0	08-27-1998 0838	SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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NB 7-8-99

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-12 SPRING AT PAGAND GATE

Rec'd 1500 hr.
Sampled 0930 hr.

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 26, 1998

Date received August 26, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18971

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.03	0.01	mg/l as	EPA 300.0	08-27-1998 0838	SC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	09-14-1998 1130	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500	MK
Sodium, Dissolved	32	1	mg/l	EPA 273.1	09-14-1998 1200	MK
Solids, Total Dissolved	459	10	mg/l	EPA 160.1	09-02-1998 0814	DL
Sulfate	75	2	mg/l	EPA 300.0	09-15-1998 0900	SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	09-14-1998 0815	MK
Cation/Anion Balance	-2.0	----	%		09-19-1998 1600	RJ

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER ACIL

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FAX: (435) 653-2436

9-8-99

August 25, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-12

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 28, 1998

Date received July 29, 1998

Rec'd 0950 hr.
Sampled 1315 hr.
FIELD MEASUREMENTS
pH 8.1
Conductivity 530
Temperature 42.0°F

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18861

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	07-31-1998 0800 DL
Alkalinity, Bicarbonate	422	5	mg/l as HCO_3	SM2320-B	07-30-1998 0759 DL
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	07-30-1998 0759 DL
Alkalinity, Total	346	5	mg/l as $CaCO_3$	EPA 310.1	07-30-1998 0759 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	08-11-1998 1000 MK
Anions	8.4	----	meq/l	---------	08-11-1998 2000 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	09-20-1998 0830 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	08-12-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	08-10-1998 0845 MK
Calcium, Dissolved	41	1	mg/l	EPA 215.1	08-11-1998 0800 MK
Cations	8.3	----	meq/l	---------	08-11-1998 2000 RJ
Chloride	4	1	mg/l	EPA 300.0	08-05-1998 0900 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	08-10-1998 0745 MK
Hardness, Total	345	----	mg/l as $CaCO_3$	SM2340-B	08-11-1998 2000 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	08-10-1998 1030 MK
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	08-10-1998 1030 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	08-10-1998 0900 MK
Magnesium, Dissolved	59	1	mg/l	EPA 242.1	08-11-1998 0845 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	08-10-1998 1115 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	08-10-1998 1115 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	08-11-1998 1100 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	08-06-1998 0800 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.3	08-12-1998 0900 SC
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	07-30-1998 1230 SC

INCORPORATED
EFFECTIVE:
APR 01 1900
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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7-8-98

August 25, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-12

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 28, 1998

Date received July 29, 1998

Rec'd 0950 hr.
Sampled 1315 hr.
FIELD MEASUREMENTS
pH 8.1
Conductivity 530
Temperature 42.0°F

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18861

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.01	0.01	mg/l as P	SM4500-P-E	07-30-1998 0830 MK
Potassium, Dissolved	1	1	mg/l	EPA 258.1	08-10-1998 1215 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	08-19-1998 0900 MK
Sodium, Dissolved	32	1	mg/l	EPA 273.1	08-10-1998 1300 MK
Solids, Total Dissolved	437	10	mg/l	EPA 160.1	08-03-1998 0827 DL
Sulfate	68	1	mg/l	EPA 300.0	08-05-1998 0900 SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	08-10-1998 0800 MK
Cation/Anion Balance	-0.8	----	%		08-11-1998 2000 RJ

INCORPORATED
EFFECTIVE:
APR 01 1900
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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NB 7-6-99

June 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

SP-12

Kind of sample reported to us Water

Rec'd 1300 hr.
Sampled 1020 hr.

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 19, 1998

Date received May 20, 1998

Boron filtered at lab.
HNO3 sample bottle preserved at lab.
Sample Temp >6°C when received.

Analysis report no. 59-18470

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Acidity	11	10	mg/l as $CaCO_3$	D1067-92	05-21-1998 0800	SC
Alkalinity, Bicarbonate	373	5	mg/l as HCO_3	SM2320-B	06-01-1998 1100	SC
Alkalinity, Carbonate	23	5	mg/l as CO_3	SM2320-B	06-01-1998 1100	SC
Alkalinity, Total	344	5	mg/l as $CaCO_3$	EPA 310.1	06-01-1998 1100	SC
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	06-10-1998 1500	MK
Anions	8.0	----	meq/l	---------	06-23-1998 1000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-16-1998 1045	MK
Boron, Dissolved	0.2	.1	mg/l	EPA 212.3	06-17-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	06-10-1998 1115	MK
Calcium, Dissolved	37	1	mg/l	EPA 215.1	06-10-1998 1400	MK
Cations	7.7	----	meq/l	---------	06-23-1998 1000	RJ
Chloride	4	1	mg/l	SM4500-Cl-B	06-02-1998 1005	SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	06-10-1998 1015	MK
Hardness, Total	315	----	mg/l as $CaCO_3$	SM2340-B	06-23-1998 1000	RJ
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	06-10-1998 1215	MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	06-10-1998 1215	MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	06-10-1998 1130	MK
Magnesium, Dissolved	54	1	mg/l	EPA 242.1	06-10-1998 1415	MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	06-10-1998 1230	MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-10-1998 1230	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	06-10-1998 1615	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.1	05-22-1998 1200	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.1	05-22-1998 0600	SC
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 353.1	05-21-1998 0845	MK

INCORPORATED
EFFECTIVE
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Larry Sturdt

Huntington Laboratory

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June 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

SP-12

Kind of sample reported to us Water

Rec'd 1300 hr.
Sampled 1020 hr.

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 19, 1998

Date received May 20, 1998

Boron filtered at lab.
HNO3 sample bottle preserved at lab.
Sample Temp >6°C when received.

Analysis report no. 59-18470

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	0.01	0.01	mg/l as P	SM4500-P-E	05-21-1998 1145 MK
Potassium, Dissolved	2	1	mg/l	EPA 258.1	06-10-1998 1300 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-16-1998 1430 MK
Sodium, Dissolved	31	1	mg/l	EPA 273.1	06-10-1998 1315 MK
Solids, Total Dissolved	418	10	mg/l	EPA 160.1	05-26-1998 1200 RJ
Sulfate	50	10	mg/l	EPA 375.4	05-21-1998 1200 SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	06-10-1998 1030 MK
Cation/Anion Balance	-2.2	----	%		06-23-1998 1000 RJ

INCORPORATED
EFFECTIVE:
APR 01 1900
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Stone

Huntington Laboratory

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10-16-00 DJ

December 13, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK + update 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-13

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled November 2, 1999

Date received November 3, 1999

Rec'd 1200 hr.
Sampled 1256 hr.

FIELD MEASUREMENTS

pH	8.2
Conductivity	840
Temperature	42.0°F

Analysis report no. 59-20848

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst		
Alkalinity, Bicarbonate	443	5	mg/l	as HCO_3	EPA 310.1	11-12-1999	0945	MK
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	11-12-1999	0945	MK
Alkalinity, Total	363	5	mg/l	as $CaCO_3$	EPA 310.1	11-12-1999	0945	MK
Anions	10.8	----	meq/l		---------	12-13-1999	1415	MK
Calcium, Dissolved	42	1	mg/l		EPA 215.1	11-12-1999	1255	SC
Cations	9.4	----	meq/l		---------	12-13-1999	1415	MK
Chloride	6	1	mg/l		EPA 300.0	11-05-1999	0952	RJ
Hardness, Total	364	----	mg/l	as $CaCO_3$	SM2340-B	12-13-1999	1415	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-12-1999	0825	SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	11-12-1999	0825	SC
Magnesium, Dissolved	63	1	mg/l		EPA 242.1	12-03-1999	1410	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-12-1999	0900	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-12-1999	0900	SC
Potassium, Dissolved	2	1	mg/l		EPA 258.1	11-12-1999	1020	SC
Sodium, Dissolved	47	1	mg/l		EPA 273.1	11-12-1999	1220	SC
Solids, Total Dissolved	546	10	mg/l		EPA 160.1	11-04-1999	0600	MK
Sulfate	143	1	mg/l		EPA 300.0	11-30-1999	1010	RJ
Cation/Anion Balance	-5.2	----	%			12-13-1999	1415	MK

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

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10-16-00 DJ

September 8, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/21/2000 KM

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
ID:SP-13

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 25, 1999

Date received August 26, 1999

Rec'd 0950 hr.
Sampled 1110 hr.

FIELD MEASUREMENTS

pH	7.5
Conductivity	810
Temperature	8.0°C

Analysis report no. 59-20428

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	431	5	mg/l	as HCO_3	EPA 310.1	08-30-1999 0800	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	08-30-1999 0800	KP
Alkalinity, Total	353	5	mg/l	as $CaCO_3$	EPA 310.1	08-30-1999 0800	KP
Anions	10.1	----	meq/l		---------	09-07-1999 0930	RJ
Calcium, Dissolved	40	1	mg/l		EPA 215.1	09-02-1999 0730	SC
Cations	9.4	----	meq/l		---------	09-07-1999 0930	RJ
Chloride	6	1	mg/l		EPA 300.0	08-27-1999 0908	MK
Hardness, Total	376	----	mg/l	as $CaCO_3$	SM2340-B	09-07-1999 0930	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Iron, Total	4.4	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Magnesium, Dissolved	67	1	mg/l		EPA 242.1	09-02-1999 1010	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Potassium, Dissolved	2	1	mg/l		EPA 258.1	09-01-1999 1330	SC
Sodium, Dissolved	43	1	mg/l		EPA 273.1	09-02-1999 1040	SC
Solids, Total Dissolved	507	10	mg/l		EPA 160.1	08-31-1999 0800	KP
Sulfate	137	1	mg/l		EPA 300.0	08-27-1999 0908	MK
Cation/Anion Balance	-3.4	----	%			09-07-1999 0930	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R. Cormier

Huntington Laboratory

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TERMS AND CONDITIONS ON REVERSE

GROUND WATER MONITORING DATA
LOCATION: SP-13 Opposite Spring Canyon
1999

PARAMETERS	UNITS	Baseline	Operational		
		SAMPLE DATES			
DATE OF EVENT		05/26/99	08/25/99		
WATER LEVEL OR FLOW		2 gpm	1.4 gpm		
TEMPERATURE (FIELD)	C	6.0	8.0		
DISSOLVED OXYGEN (FIELD)	MG/L	a	a		
pH (FIELD)	S.U.	7.9	7.5		
pH (LAB)	S.U.	a	a		
CONDUCT. (FIELD)	UMHOS/CM @ 25C	790	810		
CONDUCT. (LAB)	UMHOS/CM @ 25C	a	a		
TOTAL DISSOLVED SOLIDS	MG/L	438	507		
TOTAL SETTLEABLE SOLIDS	MG/L	a	a		
TOTAL SUSPENDED SOLIDS	MG/L	a	a		
TOTAL HARDNESS AS CaCO3	MG/L	344	376		
OIL AND GREASE	MG/L	a	a		
NITRITE	MG/L	<0.03	a		
TOTAL, NITRATE/NITRITE	MG/L	<0.03	a		
NITROGEN, AMMONIA	MG/L	<0.5	a		
BICARBONATE AS HCO3	MG/L	401	431		
CARBONATE AS CO3	MG/L	<5	<5		
MAJOR CATIONS	MEQ/L	8.6	9.4		
MAJOR ANIONS	MEQ/L	9.1	10.1		
ACIDITY	MG/L	<10	a		
ALKALINITY	MG/L	329	353		
ALUMINUM	MG/L	<1	a		
ARSENIC	MG/L	<0.01	a		
BARIUM	MG/L	a	a		
BORON	MG/L	0.2	a		
CADMIUM	MG/L	<0.01	a		
CALCIUM	MG/L	37	40		
CHLORIDE	MG/L	5	6		
CHROMIUM	MG/L	a	a		
COPPER	MG/L	<0.1	a		
IRON, DISSOLVED	MG/L	<0.1	<0.1		
IRON, TOTAL	MG/L	<0.1	4.4		
LEAD	MG/L	<0.1	a		
MAGNESIUM	MG/L	61	67		
MANGANESE, DISSOLVED	MG/L	<0.1	<0.1		
MANGANESE, TOTAL	MG/L	<0.1	<0.1		
MERCURY	MG/L	a	a		
MOLYBDENUM	MG/L	<0.1	a		
NICKEL	MG/L	a	a		
PHOSPHORUS, ORTHO-PO4	MG/L	<0.05	a		
POTASSIUM	MG/L	2	2		
SELENIUM	MG/L	<0.01	a		
SODIUM	MG/L	38	43		
SULFATE	MG/L	116	137		
ZINC	MG/L	<0.01	a		
CATION/ANION BALANCE	%	-3.2	-3.4		

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

9-25-00 DJ

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June 16, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Ok to update 10/20/2000 JK

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-13

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled May 26, 1999

Date received May 27, 1999

Rec'd 0710 hr.
Sampled 1140 hr.
FIELD MEASUREMENTS
pH 7.9
Conductivity 790
Temperature 6.0°C

DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19917

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity	<10	10	mg/l	as $CaCO_3$	D1067-92	06-03-1999 0800	KP
Alkalinity, Bicarbonate	401	5	mg/l	as HCO_3	EPA 310.1	06-02-1999 0745	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	06-02-1999 0745	KP
Alkalinity, Total	329	5	mg/l	as $CaCO_3$	EPA 310.1	06-02-1999 0745	KP
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	06-07-1999 1324	SC
Anions	9.1	----	meq/l		---------	06-16-1999 0900	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	06-15-1999 0745	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	06-09-1999 0630	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	06-07-1999 1417	SC
Calcium, Dissolved	37	1	mg/l		EPA 215.1	06-09-1999 1336	SC
Cations	8.6	----	meq/l		---------	06-16-1999 0900	RJ
Chloride	5	1	mg/l		EPA 300.0	05-28-1999 0911	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	06-07-1999 1319	SC
Hardness, Total	344	----	mg/l	as $CaCO_3$	SM2340-B	06-16-1999 0900	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	05-18-1999 1210	SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	06-08-1999 0905	SC
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	06-07-1999 1435	SC
Magnesium, Dissolved	61	1	mg/l		EPA 242.1	06-09-1999 1458	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	06-08-1999 1204	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	06-08-1999 1204	SC
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	06-07-1999 1343	SC
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	06-01-1999 0700	MK
Nitrogen, Nitrate-Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	05-28-1999 0911	SC
Nitrogen, Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	05-28-1999 0911	SC

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

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June 16, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-13

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled May 26, 1999

Date received May 27, 1999

Rec'd 0710 hr.
Sampled 1140 hr.

FIELD MEASUREMENTS

pH	7.9
Conductivity	790
Temperature	6.0°C

DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19917

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	05-28-1999 0911 SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	06-08-1999 1342 SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-15-1999 1045 MK
Sodium, Dissolved	38	1	mg/l	EPA 273.1	06-09-1999 1041 SC
Solids, Total Dissolved	438	10	mg/l	EPA 160.1	06-01-1999 0800 KP
Sulfate	116	1	mg/l	EPA 300.0	05-28-1999 0911 SC
Zinc, Dissolved	<0.01	0.01	mg/l	EPA 289.1	06-07-1999 1347 SC
Cation/Anion Balance	-3.2	----	%		06-16-1999 0900 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-13

7-8-99

Spring Location: Opposite Spring Canyon, T 14 S, R 13 E, Section 1, NW¼ NW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
05/19/98	1100	8.0	540	6	8.6	
07/28/98	1400	8.6	580	10	1.3	
08/26/98	1015	7.9	570	8	2.2	
10/13/98	1230	7.9	690	6	1.7	
Maximum Value		8.6	690	10	8.6	
Minimum Value		7.9	540	6	1.3	
Average		8.1	595	7.5	3.5	
Standard Deviation		0.34	66	1.91	3.45	
Count		4	4	4	4	

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December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-13 OPPOSITE SPRING CANYON

Kind of sample reported to us Water

Rec'd 0944 hr.
Sampled 1230 hr.

Sample taken at

Sample taken by

FIELD MEASUREMENTS
pH 7.9
Conductivity 640
Temperature 42°F

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19313

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst		
Acidity	15	10	mg/l	as $CaCO_3$	D1067-92	10-19-1998	1114	DL
Alkalinity, Bicarbonate	426	5	mg/l	as HCO_3	SM2320-B	10-23-1998	1006	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	10-23-1998	1006	DL
Alkalinity, Total	349	5	mg/l	as $CaCO_3$	EPA 310.1	10-23-1998	1006	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	11-29-1998	0715	MK
Anions	9.4	----	meq/l		---------	11-30-1998	1000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	12-10-1998		
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	11-19-1998	0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	11-29-1998	1300	MK
Calcium, Dissolved	39	1	mg/l		EPA 215.1	11-29-1998	0845	MK
Cations	9.0	----	meq/l		---------	11-30-1998	1000	RJ
Chloride	6	1	mg/l		EPA 300.0	10-14-1998	1000	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	11-29-1998	1400	MK
Hardness, Total	361	----	mg/l	as $CaCO_3$	SM2340-B	11-30-1998	1000	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-29-1998	1015	MK
Iron, Total	0.1	0.1	mg/l		EPA 236.1	11-29-1998	1015	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	11-29-1998	1315	MK
Magnesium, Dissolved	64	1	mg/l		EPA 242.1	11-29-1998	0930	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-29-1998	1100	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-29-1998	1100	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	11-29-1998	0800	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	11-10-1998	1100	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	10-14-1998	1000	SC
Nitrogen, Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	10-14-1998	1000	SC

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EFFECTIVE:
APR 01 1990

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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7-8-99

December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-13 OPPOSITE SPRING CANYON

Kind of sample reported to us Water

Rec'd 0944 hr.
Sampled 1230 hr.

Sample taken at

Sample taken by

FIELD MEASUREMENTS
pH 7.9
Conductivity 640
Temperature 42°F

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19313

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-14-1998 1000 SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	11-29-1998 1145 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	41	1	mg/l	EPA 273.1	11-29-1998 1215 MK
Solids, Total Dissolved	500	10	mg/l	EPA 160.1	10-15-1998 0609 DL
Sulfate	107	1	mg/l	EPA 300.0	10-12-1998 0859 SC
Zinc, Dissolved	0.04	0.01	mg/l	EPA 289.1	11-29-1998 1415 MK
Cation/Anion Balance	-1.8	----	%		11-30-1998 1000 RJ

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September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-13
SPRING OPP. SPRING CH
Rec'd 1500 hr.
Sampled 1015 hr.

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 26, 1998

Date received August 26, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18972

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	09-03-1998 0755	DL
Alkalinity, Bicarbonate	404	5	mg/l	as HCO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Total	331	5	mg/l	as $CaCO_3$	EPA 310.1	09-03-1998 0925	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	09-14-1998 1430	MK
Anions	8.8	----	meq/l		---------	09-19-1998 1600	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-15-1998 0930	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	09-17-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	09-14-1998 0900	MK
Calcium, Dissolved	38	1	mg/l		EPA 215.1	09-14-1998 1300	MK
Cations	8.5	----	meq/l		---------	09-19-1998 1600	RJ
Chloride	6	1	mg/l		EPA 300.0	09-14-1998 1000	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	09-14-1998 0800	MK
Hardness, Total	342	----	mg/l	as $CaCO_3$	SM2340-B	09-19-1998 1600	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	09-14-1998 0915	MK
Magnesium, Dissolved	60	1	mg/l		EPA 242.1	09-14-1998 1330	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		~~EPA 246.1~~	~~09-14-1998 1530~~	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	09-01-1998 1600	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	08-27-1998 0838	SC
Nitrogen, Nitrite	<0.03	0.01	mg/l	as N	EPA 300.0	08-27-1998 0838	SC

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Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-13
SPRING OPP. SPRING CH
Rec'd 1500 hr.
Sampled 1015 hr.

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 26, 1998

Date received August 26, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18972

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.03	0.01	mg/l as	EPA 300.0	08-27-1998 0838	SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	09-14-1998 1130	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500	MK
Sodium, Dissolved	38	1	mg/l	EPA 273.1	09-14-1998 1200	MK
Solids, Total Dissolved	473	10	mg/l	EPA 160.1	09-02-1998 0814	DL
Sulfate	97	1	mg/l	EPA 300.0	09-15-1998 0900	SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	09-14-1998 0815	MK
Cation/Anion Balance	-1.6	----	%		09-19-1998 1600	RJ

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Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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August 25, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-13

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 28, 1998

Date received July 29, 1998

Rec'd 0950 hr.
Sampled 1400 hr.
FIELD MEASUREMENTS
pH 8.1
Conductivity 580
Temperature 50.0°F

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18862

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	07-31-1998 0800	DL
Alkalinity, Bicarbonate	390	5	mg/l	as HCO_3	SM2320-B	07-30-1998 0759	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	07-30-1998 0759	DL
Alkalinity, Total	319	5	mg/l	as $CaCO_3$	EPA 310.1	07-30-1998 0759	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	08-11-1998 1000	MK
Anions	8.5	----	meq/l		---------	08-11-1998 2000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-20-1998 0830	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	08-12-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	08-10-1998 0845	MK
Calcium, Dissolved	37	1	mg/l		EPA 215.1	08-11-1998 0800	MK
Cations	8.5	----	meq/l		---------	08-11-1998 2000	RJ
Chloride	6	1	mg/l		EPA 300.0	08-05-1998 0900	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	08-10-1998 0745	MK
Hardness, Total	344	----	mg/l	as $CaCO_3$	SM2340-B	08-11-1998 2000	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	08-10-1998 1030	MK
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	08-10-1998 1030	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	08-10-1998 0900	MK
Magnesium, Dissolved	61	1	mg/l		EPA 242.1	08-11-1998 0845	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	08-10-1998 1115	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	08-10-1998 1115	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	08-11-1998 1100	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	08-06-1998 0800	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 353.3	08-12-1998 0900	SC
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	07-30-1998 1230	SC

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Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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7-8-99

August 25, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-13

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 28, 1998

Date received July 29, 1998

Rec'd 0950 hr.
Sampled 1400 hr.

FIELD MEASUREMENTS

pH	8.1
Conductivity	580
Temperature	50.0°F

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18862

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.01	0.01	mg/l as P	SM4500-P-E	07-30-1998 0830	MK
Potassium, Dissolved	1	1	mg/l	EPA 258.1	08-10-1998 1215	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	08-19-1998 0900	MK
Sodium, Dissolved	36	1	mg/l	EPA 273.1	08-10-1998 1300	MK
Solids, Total Dissolved	452	10	mg/l	EPA 160.1	08-03-1998 0827	DL
Sulfate	95	1	mg/l	EPA 300.0	08-05-1998 0900	SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	08-10-1998 0800	MK
Cation/Anion Balance	-0.5	----	%		08-11-1998 2000	RJ

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Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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June 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

SP-13

Kind of sample reported to us Water

Rec'd 1300 hr.
Sampled 1100 hr.

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 19, 1998

Date received May 20, 1998

Boron filtered at lab
H2SO4 bottle was preserved at lab.
Sample Temp >6°C when received.

Analysis report no. 59-18471

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	10	10	mg/l as $CaCO_3$	D1067-92	05-21-1998 0800 SC
Alkalinity, Bicarbonate	381	5	mg/l as HCO_3	SM2320-B	06-01-1998 1100 SC
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	06-01-1998 1100 SC
Alkalinity, Total	313	5	mg/l as $CaCO_3$	EPA 310.1	06-01-1998 1100 SC
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	06-10-1998 1500 MK
Anions	7.6	----	meq/l	---------	06-23-1998 1000 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-16-1998 1045 MK
Boron, Dissolved	0.2	.1	mg/l	EPA 212.3	06-17-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	06-10-1998 1115 MK
Calcium, Dissolved	36	1	mg/l	EPA 215.1	06-10-1998 1400 MK
Cations	7.7	----	meq/l	---------	06-23-1998 1000 RJ
Chloride	5	1	mg/l	SM4500-Cl-B	06-02-1998 1005 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	06-10-1998 1015 MK
Hardness, Total	312	----	mg/l as $CaCO_3$	SM2340-B	06-23-1998 1000 RJ
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	06-10-1998 1215 MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	06-10-1998 1215 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	06-10-1998 1130 MK
Magnesium, Dissolved	54	1	mg/l	EPA 242.1	06-10-1998 1415 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	06-10-1998 1230 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-10-1998 1230 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	06-10-1998 1615 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	05-22-1998 1200 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.2	05-22-1998 0600 SC
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	05-21-1998 0845 MK

INCORPORATED
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APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

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FAX: (435) 653-2436

NB 7-8-99

June 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

SP-13

Rec'd 1300 hr.
Sampled 1100 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 19, 1998

Date received May 20, 1998

Boron filtered at lab
H2SO4 bottle was preserved at lab.
Sample Temp >6°C when received.

Analysis report no. 59-18471

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	0.01	0.01	mg/l as P	SM4500-P-E	05-21-1998 1145 MK
Potassium, Dissolved	1	1	mg/l	EPA 258.1	06-10-1998 1300 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-16-1998 1430 MK
Sodium, Dissolved	33	1	mg/l	EPA 273.1	06-10-1998 1315 MK
Solids, Total Dissolved	390	10	mg/l	EPA 160.1	05-26-1998 1200 RJ
Sulfate	59	10	mg/l	EPA 375.4	05-21-1998 1200 SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	06-10-1998 1030 MK
Cation/Anion Balance	0.6	----	%		06-23-1998 1000 RJ

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Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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F-465
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TERMS AND CONDITIONS ON REVERSE

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-14

7-9-99

Spring Location: Above Beaver Pond T 14 S, R 13 E, Section 12, NE¼ NE¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
06/22/98	1300	8.8	410	9	4.0	
07/28/98	1500	8.6	460	14	6.0	Sampled down-gradient from source due to rain, lightning.
08/26/98	1145	8.5	370	10	3.0	
10/13/98	1400	8.4	470	7	2.3	
Maximum Value		8.8	470	14	6.0	
Minimum Value		8.4	370	7	2.3	
Average		8.6	427.5	10.0	3.8	
Standard Deviation		0.17	46	2.94	1.61	
Count		4	4	4	4	

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FAX: (435) 653-2436

7-9-99

December 17, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-14 SPRING ABOVE DAM

Kind of sample reported to us Water

Rec'd 0944 hr.
Sampled 1400 hr.

Sample taken at

Sample taken by

FIELD MEASUREMENTS
pH 8.4
Conductivity 470
Temperature 44°F

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19315

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	10-19-1998 1114	DL
Alkalinity, Bicarbonate	312	5	mg/l	as HCO_3	SM2320-B	10-23-1998 1006	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	10-23-1998 1006	DL
Alkalinity, Total	256	5	mg/l	as $CaCO_3$	EPA 310.1	10-23-1998 1006	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	11-29-1998 0715	MK
Anions	6.3	----	meq/l		---------	11-30-1998 1000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	12-10-1998	
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	11-19-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	11-29-1998 1300	MK
Calcium, Dissolved	35	1	mg/l		EPA 215.1	11-29-1998 0845	MK
Cations	6.3	----	meq/l		---------	11-30-1998 1000	RJ
Chloride	5	1	mg/l		EPA 300.0	11-11-1998 0918	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	11-29-1998 1400	MK
Hardness, Total	240	----	mg/l	as $CaCO_3$	SM2340-B	11-30-1998 1000	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-29-1998 1015	MK
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	11-29-1998 1015	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	11-29-1998 1315	MK
Magnesium, Dissolved	37	1	mg/l		EPA 242.1	11-29-1998 0930	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-29-1998 1100	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-29-1998 1100	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	11-29-1998 0800	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	11-10-1998 1100	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	10-14-1998 1000	SC
Nitrogen, Nitrite	0.20	0.03	mg/l	as N	EPA 300.0	10-14-1998 1000	SC

INCORPORATED
EFFECTIVE:
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Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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FAX: (435) 653-2436

12-9-99

December 17, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-14 SPRING ABOVE DAM

Kind of sample reported to us Water

Rec'd 0944 hr.
Sampled 1400 hr.

Sample taken at

Sample taken by

FIELD MEASUREMENTS
pH 8.4
Conductivity 470
Temperature 44°F

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19315

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-14-1998 1000 SC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	11-29-1998 1145 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	33	1	mg/l	EPA 273.1	11-29-1998 1215 MK
Solids, Total Dissolved	358	10	mg/l	EPA 160.1	10-20-1998 0900 DL
Sulfate	50	1	mg/l	EPA 300.0	11-11-1998 0918 SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	11-29-1998 1415 MK
Cation/Anion Balance	-0.3	----	%		11-30-1998 1000 RJ

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Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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9-9-99

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-14
SPRING ABOVE BEAVER RD.

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 26, 1998

Date received August 26, 1998

Rec'd 1500 hr.
Sampled 1145 hr.

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18974

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	09-03-1998 0755 DL
Alkalinity, Bicarbonate	219	5	mg/l as HCO_3	SM2320-B	09-03-1998 0925 DL
Alkalinity, Carbonate	37	5	mg/l as CO_3	SM2320-B	09-03-1998 0925 DL
Alkalinity, Total	242	5	mg/l as $CaCO_3$	EPA 310.1	09-03-1998 0925 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	09-14-1998 1430 MK
Anions	6.1	----	meq/l	---------	09-19-1998 1600 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	09-15-1998 0930 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	09-17-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	09-14-1998 0900 MK
Calcium, Dissolved	33	1	mg/l	EPA 215.1	09-14-1998 1300 MK
Cations	5.9	----	meq/l	---------	09-19-1998 1600 RJ
Chloride	6	1	mg/l	EPA 300.0	09-14-1998 1000 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	09-14-1998 0800 MK
Hardness, Total	227	----	mg/l as $CaCO_3$	SM2340-B	09-19-1998 1600 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-14-1998 0945 MK
Iron, Total	0.1	0.1	mg/l	EPA 236.1	09-14-1998 0945 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	09-14-1998 0915 MK
Magnesium, Dissolved	35	1	mg/l	EPA 242.1	09-14-1998 1330 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	09-14-1998 1045 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	09-14-1998 1045 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	09-14-1998 1530 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	09-01-1998 1300 SC
Nitrogen, Nitrate-Nitrite	0.4	0.1	mg/l as N	EPA 300.0	08-27-1998 0838 SC
Nitrogen, Nitrite	<0.03	0.01	mg/l as N	EPA 300.0	08-27-1998 0838 SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
OIL, GAS AND MINING

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FAX: (435) 653-2436

7-9-99

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-14
SPRING ABOVE BEAVER RD.

Kind of sample reported to us Water

Sample taken at

Sample taken by

Rec'd 1500 hr.
Sampled 1145 hr.

Date sampled August 26, 1998

Date received August 26, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18974

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.03	0.01	mg/l as	EPA 300.0	08-27-1998 0838	SC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	09-14-1998 1130	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500	MK
Sodium, Dissolved	31	1	mg/l	EPA 273.1	09-14-1998 1200	MK
Solids, Total Dissolved	352	10	mg/l	EPA 160.1	09-02-1998 0814	DL
Sulfate	55	1	mg/l	EPA 300.0	09-15-1998 0900	SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	09-14-1998 0815	MK
Cation/Anion Balance	-2.0	----	%		09-19-1998 1600	RJ

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Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

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FAX: (435) 653-2436

9-9-99

August 25, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-14

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 28, 1998

Date received July 29, 1998

Rec'd 0950 hr.
Sampled 1500 hr.
FIELD MEASUREMENTS
pH 8.6
Conductivity 460
Temperature 58.0°F

NOTE: ALKALINITIES & DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18863

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	07-31-1998 0800	DL
Alkalinity, Bicarbonate	272	5	mg/l	as HCO_3	SM2320-B	07-30-1998 0759	DL
Alkalinity, Carbonate	25	5	mg/l	as CO_3	SM2320-B	07-30-1998 0759	DL
Alkalinity, Total	264	5	mg/l	as $CaCO_3$	EPA 310.1	07-30-1998 0759	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	08-11-1998 1000	MK
Anions	6.7	----	meq/l		---------	08-11-1998 2000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-20-1998 0830	MK
Boron, Dissolved	0.1	0.1	mg/l		EPA 212.3	08-12-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	08-10-1998 0845	MK
Calcium, Dissolved	35	1	mg/l		EPA 215.1	08-11-1998 0800	MK
Cations	6.4	----	meq/l		---------	08-11-1998 2000	RJ
Chloride	6	1	mg/l		EPA 300.0	08-05-1998 0900	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	08-10-1998 0745	MK
Hardness, Total	248	----	mg/l	as $CaCO_3$	SM2340-B	08-11-1998 2000	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	08-10-1998 1030	MK
Iron, Total	1.4	0.1	mg/l		EPA 236.1	08-10-1998 1030	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	08-10-1998 0900	MK
Magnesium, Dissolved	39	1	mg/l		EPA 242.1	08-11-1998 0845	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	08-10-1998 1115	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	08-10-1998 1115	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	08-11-1998 1100	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	08-06-1998 0800	SC
Nitrogen, Nitrate-Nitrite	0.2	0.1	mg/l	as N	EPA 353.1	08-12-1998 0900	SC
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	07-30-1998 1230	SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OIL, GAS AND MINING

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FAX: (435) 653-2436

7-9-99

August 25, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-14

Kind of sample reported to us Water

Rec'd 0950 hr.
Sampled 1500 hr.
FIELD MEASUREMENTS
pH 8.6
Conductivity 460
Temperature 58.0°F

Sample taken at

Sample taken by

Date sampled July 28, 1998

Date received July 29, 1998

NOTE: ALKALINITIES & DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18863

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	0.01	0.01	mg/l as P	SM4500-P-E	07-30-1998 0830 MK
Potassium, Dissolved	1	1	mg/l	EPA 258.1	08-10-1998 1215 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	08-19-1998 0900 MK
Sodium, Dissolved	33	1	mg/l	EPA 273.1	08-10-1998 1300 MK
Solids, Total Dissolved	363	10	mg/l	EPA 160.1	08-03-1998 0827 DL
Sulfate	58	1	mg/l	EPA 300.0	08-05-1998 0900 SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	08-10-1998 0800 MK
Cation/Anion Balance	-1.9	----	%		08-11-1998 2000 RJ

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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7-8-99

July 29, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

SP-14
SPRING ABOVE BEAVER DAM

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 22, 1998

Date received June 23, 1998

Rec'd 0900 hr.
Sampled 1300 hr.

FIELD MEASUREMENTS

pH	8.8
Conductivity	410
Temperature	9°C

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18713

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	06-30-1998 1500	DL
Alkalinity, Bicarbonate	259	5	mg/l	as HCO_3	SM2320-B	06-30-1998 0903	DL
Alkalinity, Carbonate	29	5	mg/l	as CO_3	SM2320-B	06-30-1998 0906	DL
Alkalinity, Total	262	5	mg/l	as $CaCO_3$	EPA 310.1	06-30-1998 0903	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	07-13-1998 1551	MK
Anions	6.3	----	meq/l		---------	07-16-1998 1200	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	06-29-1998 1415	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	07-09-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	07-13-1998 0859	MK
Calcium, Dissolved	33	1	mg/l		EPA 215.1	07-13-1998 1348	MK
Cations	5.8	----	meq/l		---------	07-16-1998 1200	RJ
Chloride	8	1	mg/l		SM4500-Cl-B	07-10-1998 0822	DL
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	07-13-1998 0732	MK
Hardness, Total	227	----	mg/l	as $CaCO_3$	SM2340-B	07-16-1998 1300	RJ
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	07-06-1998 0730	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	07-13-1998 1000	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	07-13-1998 0911	MK
Magnesium, Dissolved	35	1	mg/l		EPA 242.1	07-13-1998 1445	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	07-06-1998 0815	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	07-13-1998 1100	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	07-13-1998 1650	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	07-10-1998 0750	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 353.3	07-09-1998 0880	SC
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	06-24-1998 0800	SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Stout

UTAH DIVISION OIL, GAS AND M

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-953-9300 FAX: 630-953-9306

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FAX: (435) 653-2436

7-8-99

July 29, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

SP-14
SPRING ABOVE BEAVER DAM

Rec'd 0900 hr.
Sampled 1300 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 22, 1998

Date received June 23, 1998

FIELD MEASUREMENTS

pH	8.8
Conductivity	410
Temperature	9°C

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18713

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.01	0.01	mg/l as P	SM4500-P-E	06-23-1998 1415 MK
Potassium, Dissolved	1	1	mg/l	EPA 258.1	07-13-1998 1149 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-29-1998 1015 MK
Sodium, Dissolved	29	1	mg/l	EPA 273.1	07-13-1998 1242 MK
Solids, Total Dissolved	340	10	mg/l	EPA 160.1	06-24-1998 0900 SC
Sulfate	41	12.5	mg/l	EPA 375.4	07-08-1998 0838 DL
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	07-13-1998 0816 MK
Cation/Anion Balance	-3.9	----	%		07-16-1998 1200 RJ

INCORPORATED
EFFECTIVE:
APR 01 1990
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Stout

Huntington Laboratory RB

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10-16-00 DJ

December 1, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for update 10/20/2000. KW

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-15

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled November 2, 1999

Date received November 3, 1999

Rec'd 1200 hr.
Sampled 1450 hr.

FIELD MEASUREMENTS

pH	8.4
Conductivity	610
Temperature	38.0°F

Analysis report no. 59-20850

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	353	5	mg/l	as HCO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Total	290	5	mg/l	as $CaCO_3$	EPA 310.1	11-12-1999 0945	MK
Anions	7.5	----	meq/l		---------	11-16-1999 0900	RJ
Calcium, Dissolved	44	1	mg/l		EPA 215.1	11-12-1999 1255	SC
Cations	7.5	----	meq/l		---------	11-16-1999 0900	RJ
Chloride	3	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Hardness, Total	303	----	mg/l	as $CaCO_3$	SM2340-B	11-16-1999 0900	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Iron, Total	1.2	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Magnesium, Dissolved	47	1	mg/l		EPA 242.1	11-12-1999 1300	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Potassium, Dissolved	1	1	mg/l		EPA 258.1	11-12-1999 1020	SC
Sodium, Dissolved	33	1	mg/l		EPA 273.1	11-12-1999 1220	SC
Solids, Total Dissolved	396	10	mg/l		EPA 160.1	11-04-1999 0600	MK
Sulfate	78	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Cation/Anion Balance	0.2	----	%			11-16-1999 0900	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormie

Huntington Laboratory

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COMMERCIAL TESTING & ENGINEERING CO.

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10-16-00 DJ

1908

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FAX: (435) 653-2436

September 21, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
ID:SP-15

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 25, 1999

Date received August 26, 1999

Rec'd 0950 hr.
Sampled 1315 hr.

FIELD MEASUREMENTS

pH	7.7
Conductivity	630
Temperature	11°C

DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-20431

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	367	5	mg/l	as HCO_3	EPA 310.1	09-08-1999 1400	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	09-08-1999 1400	KP
Alkalinity, Total	301	5	mg/l	as $CaCO_3$	EPA 310.1	09-08-1999 1400	KP
Anions	7.7	----	meq/l		---------	09-21-1999 1200	RJ
Calcium, Dissolved	45	1	mg/l		EPA 215.1	09-15-1999 1425	SC
Cations	6.9	----	meq/l		---------	09-21-1999 1200	RJ
Chloride	3	1	mg/l		EPA 300.0	08-27-1999 0908	MK
Hardness, Total	281	----	mg/l	as $CaCO_3$	SM2340-B	09-21-1999 1200	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1 *	09-01-1999 0930	SC
Iron, Total	1.3	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Magnesium, Dissolved	41	1	mg/l		EPA 242.1	09-02-1999 1010	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1999 1500	SC
Potassium, Dissolved	1	1	mg/l		EPA 258.1	09-01-1999 1330	SC
Sodium, Dissolved	30	1	mg/l		EPA 273.1	09-02-1999 1040	SC
Solids, Total Dissolved	380	10	mg/l		EPA 160.1	08-31-1999 0800	KP
Sulfate	76	1	mg/l		EPA 300.0	09-15-1999 0843	MK
Cation/Anion Balance	-5.0	----	%			09-21-1999 1200	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

GROUND WATER MONITORING DATA
LOCATION: SP-15 Roadside Spring
1999

SAMPLE DATES

PARAMETERS	UNITS		
DATE OF EVENT		05/26/99	08/25/99
WATER LEVEL OR FLOW		10 gpm	5.7 gpm
TEMPERATURE (FIELD)	C	9.0	11.0
DISSOLVED OXYGEN (FIELD)	MG/L	a	a
pH (FIELD)	S.U.	8.3	7.7
pH (LAB)	S.U.	a	a
CONDUCT. (FIELD)	UMHOS/CM @ 25C	640	630
CONDUCT. (LAB)	UMHOS/CM @ 25C	a	a
TOTAL DISSOLVED SOLIDS	MG/L	390	380
TOTAL SETTLEABLE SOLIDS	MG/L	a	a
TOTAL SUSPENDED SOLIDS	MG/L	a	a
TOTAL HARDNESS AS CaCO3	MG/L	303	281
OIL AND GREASE	MG/L	a	a
NITRITE	MG/L	<0.03	a
TOTAL, NITRATE/NITRITE	MG/L	<0.03	a
NITROGEN, AMMONIA	MG/L	<0.5	a
BICARBONATE AS HCO3	MG/L	381	367
CARBONATE AS CO3	MG/L	<5	<5
MAJOR CATIONS	MEQ/L	7.5	6.9
MAJOR ANIONS	MEQ/L	8.4	7.7
ACIDITY	MG/L	<10	<10
ALKALINITY	MG/L	312	301
ALUMINUM	MG/L	<1	a
ARSENIC	MG/L	<0.01	a
BARIUM	MG/L	a	a
BORON	MG/L	0.2	a
CADMIUM	MG/L	<0.01	a
CALCIUM	MG/L	47	45
CHLORIDE	MG/L	3	3
CHROMIUM	MG/L	a	a
COPPER	MG/L	<0.1	a
IRON, DISSOLVED	MG/L	<0.1	<0.1
IRON, TOTAL	MG/L	<0.1	1.3
LEAD	MG/L	<0.1	a
MAGNESIUM	MG/L	45	41
MANGANESE, DISSOLVED	MG/L	<0.1	<0.1
MANGANESE, TOTAL	MG/L	<0.1	<0.1
MERCURY	MG/L	a	a
MOLYBDENUM	MG/L	<0.1	a
NICKEL	MG/L	a	a
PHOSPHORUS, ORTHO-PO4	MG/L	<0.05	a
POTASSIUM	MG/L	1	1
SELENIUM	MG/L	<0.01	a
SODIUM	MG/L	33	30
SULFATE	MG/L	98	76
ZINC	MG/L	0.01	a
CATION/ANION BALANCE	%	-5.4	-5.0

Metals analyzed in dissolved form unless otherwise

1999 analyses performed by Commercial Testing &

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

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9-25-00 DJ

June 25, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/00

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-15

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled May 26, 1999

Date received May 27, 1999

Rec'd 0710 hr.
Sampled 1245 hr.
FIELD MEASUREMENTS
pH 8.3
Conductivity 640
Temperature 9.0°C

DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19918

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	06-03-1999 0800	KP
Alkalinity, Bicarbonate	381	5	mg/l	as HCO_3	EPA 310.1	06-02-1999 0745	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	06-02-1999 0745	KP
Alkalinity, Total	312	5	mg/l	as $CaCO_3$	EPA 310.1	06-02-1999 0745	KP
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	06-07-1999 1324	SC
Anions	8.4	----	meq/l		---------	06-25-1999 1000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	06-15-1999 0745	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	06-09-1999 0630	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	06-07-1999 1417	SC
Calcium, Dissolved	47	1	mg/l		EPA 215.1	06-09-1999 1336	SC
Cations	7.5	----	meq/l		---------	06-25-1999 1000	RJ
Chloride	3	1	mg/l		EPA 300.0	05-28-1999 0911	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	06-07-1999 1319	SC
Hardness, Total	303	----	mg/l	as $CaCO_3$	SM2340-B	06-26-1999 1000	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	05-18-1999 1210	SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	06-08-1999 0905	SC
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	06-07-1999 1435	SC
Magnesium, Dissolved	45	1	mg/l		EPA 242.1	06-09-1999 1458	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	06-08-1999 1204	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	06-08-1999 1204	SC
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	06-07-1999 1343	SC
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	05-27-1999 0700	MK
Nitrogen, Nitrate-Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	05-28-1999 0911	SC
Nitrogen, Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	05-28-1999 0911	SC

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

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9-25-00 DJ

June 25, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-15

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled May 26, 1999

Date received May 27, 1999

Rec'd 0710 hr.
Sampled 1245 hr.

FIELD MEASUREMENTS

pH	8.3
Conductivity	640
Temperature	9.0°C

DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19918

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	05-28-1999 0911 SC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	06-08-1999 1342 SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-15-1999 1045 MK
Sodium, Dissolved	33	1	mg/l	EPA 273.1	06-09-1999 1041 SC
Solids, Total Dissolved	390	10	mg/l	EPA 160.1	06-01-1999 0800 KP
Sulfate	98	1	mg/l	EPA 300.0	05-28-1999 0911 SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	06-07-1999 1347 SC
Cation/Anion Balance	-5.4	----	%		06-25-1999 1000 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

4-18-00 DJ

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December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 KW

update to DB 6/14/2000 KW

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-15 ROADSIDE SPRING

Rec'd 0944 hr.
Sampled 0900 hr.

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 13, 1998

Date received October 14, 1998

FIELD MEASUREMENTS
pH 7.6
Conductivity 720
Temperature 9°C

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19310

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	10-19-1998 1114	DL
Alkalinity, Bicarbonate	369	5	mg/l	as HCO_3	SM2320-B	10-23-1998 1006	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	10-23-1998 1006	DL
Alkalinity, Total	302	5	mg/l	as $CaCO_3$	EPA 310.1	10-23-1998 1006	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	11-29-1998 0715	MK
Anions	7.7	----	meq/l		---------	11-30-1998 1000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	12-10-1998	
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	11-19-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	11-29-1998 1300	MK
Calcium, Dissolved	47	1	mg/l		EPA 215.1	11-29-1998 0845	MK
Cations	7.5	----	meq/l		---------	11-30-1998 1000	RJ
Chloride	3	1	mg/l		EPA 300.0	10-14-1998 1042	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	11-29-1998 1400	MK
Hardness, Total	299	----	mg/l	as $CaCO_3$	SM2340-B	11-30-1998 1000	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-29-1998 1015	MK
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	11-29-1998 1015	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	11-29-1998 1315	MK
Magnesium, Dissolved	44	1	mg/l		EPA 242.1	11-29-1998 0930	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-29-1998 1100	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-29-1998 1100	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	11-29-1998 0800	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	11-10-1998 1100	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	10-14-1998 1042	SC
Nitrogen, Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	10-14-1998 1042	SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

4-18-00 DT

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December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-15 ROADSIDE SPRING

Kind of sample reported to us Water

Rec'd 0944 hr.
Sampled 0900 hr.

Sample taken at

Sample taken by

FIELD MEASUREMENTS
pH 7.6
Conductivity 720
Temperature 9°C

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19310

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-14-1998 1059 SC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	11-29-1998 1145 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	34	1	mg/l	EPA 273.1	11-29-1998 1215 MK
Solids, Total Dissolved	418	10	mg/l	EPA 160.1	10-15-1998 0609 DL
Sulfate	77	1	mg/l	EPA 300.0	10-14-1998 1059 SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	11-29-1998 1415 MK
Cation/Anion Balance	-1.7	----	%		11-30-1998 1000 RJ

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

UTAH DIVISION OIL, GAS AND M

MEMBER ACIL

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-15

Spring Location: Roadside Spring below reservoir T 14 S, R 14 E, Section 7, SW¼ NW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
05/19/98	1200	8.3	580	10	10.0	
07/28/98	1530	7.9	550	12	3	Field parameters are base flow condition, but some samples included storm water runoff; base flow estimated.
08/23/98	1030	7.7	[illegible]	[illegible]	[illegible]	
10/13/98	0900	7.6			.5	
Maximum Value		8.3			).0	
Minimum Value		7.6			3	
Average		7.9			7.6	
Standard Deviation		0.31	75	1.26	3.30	
Count		4	4	4	4	

updated to DB
6/14/2000 KW

updated to DB
6/14/2000
KW

4-18-00 DJ

INCORPORATED
EFFECTIVE:
APR 01 1999

UTAH DIVISION OIL, GAS AND MINING

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-15

Spring Location: Roadside Spring below reservoir T 14 S, R 14 E, Section 7, SW¼ NW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
05/19/98	1200	8.3	580	10	10.0	
07/28/98	1530	7.9	550	12	3	Field parameters are base flow condition, but some samples included storm water runoff; base flow estimated.
08/23/98	1030	7.7	590	10	10	
10/13/98	0900	7.6	720	9	7.5	
Maximum Value		8.3	720	12	10.0	
Minimum Value		7.6	550	9	3	
Average		7.9	610	10.3	7.6	
Standard Deviation		0.31	75	1.26	3.30	
Count		4	4	4	4	

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updated to DB 6/14/2000 JN

4-18-00 DT

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FAX: (435) 653-2436

October 14, 1998

OK for EDI 6/14/2000 KW

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-15

Rec'd 0950 hr.
Sampled 1530 hr.

FIELD MEASUREMENTS

pH	7.9
Conductivity	550
Temperature	54.0°F

update to DB 6/14/2000 KW

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 28, 1998

Date received July 29, 1998

NOTE: ALKALINITIES & DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18864

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	10	10	mg/l	as $CaCO_3$	D1067-92	07-31-1998 0800	DL
Alkalinity, Bicarbonate	207	5	mg/l	as HCO_3	SM2320-B	07-30-1998 0759	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	07-30-1998 0759	DL
Alkalinity, Total	170	5	mg/l	as $CaCO_3$	EPA 310.1	07-30-1998 0759	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	08-11-1998 1000	MK
Anions	5.4	----	meq/l		---------	08-25-1998 2200	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-20-1998 0830	MK
Boron, Dissolved	0.1	0.1	mg/l		EPA 212.3	08-12-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	08-10-1998 0845	MK
Calcium, Dissolved	28	1	mg/l		EPA 215.1	08-21-1998 1030	MK
Cations	5.2	----	meq/l		---------	08-25-1998 2200	RJ
Chloride	5	1	mg/l		EPA 300.0	08-05-1998 0900	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	08-10-1998 0745	MK
Hardness, Total	310	----	mg/l	as $CaCO_3$	SM2340-B	08-25-1998 2200	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	08-10-1998 1030	MK
Iron, Total	66.0	10.0	mg/l		EPA 236.1	08-10-1998 1030	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	08-10-1998 0900	MK
Magnesium, Dissolved	19	1	mg/l		EPA 242.1	08-21-1998 1045	MK
Manganese, Total	1.8	0.1	mg/l		EPA 243.1	08-10-1998 1115	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	08-10-1998 1115	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	08-11-1998 1100	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	08-06-1998 0800	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 353.2	08-12-1998 0900	SC
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	07-10-1998 1230	SC

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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4-17-00 JJT

October 14, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-15

Kind of sample reported to us Water

Rec'd 0950 hr.
Sampled 1530 hr.
FIELD MEASUREMENTS
pH 7.9
Conductivity 550
Temperature 54.0°F

Sample taken at

Sample taken by

Date sampled July 28, 1998

Date received July 29, 1998

NOTE: ALKALINITIES & DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18864

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.01	0.01	mg/l as P	SM4500-P-E	07-30-1998 0830 MK
Potassium, Dissolved	1	1	mg/l	EPA 258.1	08-10-1998 1215 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	08-19-1998 0900 MK
Sodium, Dissolved	51	1	mg/l	EPA 273.1	08-21-1998 0900 MK
Solids, Total Dissolved	378	10	mg/l	EPA 160.1	08-03-1998 0827 DL
Sulfate	92	1	mg/l	EPA 375.4	08-05-1998 0900 SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 300.0	08-10-1998 0800 MK
Cation/Anion Balance	-2.1	----	%		08-25-1998 2200 RJ

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OF OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

4-17-00 DT

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

updated to DB 6/14/2000 JW

OK for EDI 6/14/2000 JW

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-15 ROADSIDE SPRING

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 23, 1998

Date received August 24, 1998

Rec'd 1045 hr.
Sampled 1030 hr.

FIELD MEASUREMENTS

pH	7.7
Conductivity	590
Temperature	10.0°C

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18955

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	09-03-1998 0755	DL
Alkalinity, Bicarbonate	366	5	mg/l	as HCO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Total	300	5	mg/l	as $CaCO_3$	EPA 310.1	09-03-1998 0925	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	09-14-1998 1430	MK
Anions	7.8	----	meq/l		---------	09-19-1998 1600	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-15-1998 0930	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	09-17-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	09-14-1998 0900	MK
Calcium, Dissolved	48	1	mg/l		EPA 215.1	09-14-1998 1300	MK
Cations	7.6	----	meq/l		---------	09-19-1998 1600	RJ
Chloride	4	1	mg/l		EPA 300.0	08-24-1998 1100	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	09-14-1998 0800	MK
Hardness, Total	305	----	mg/l	as $CaCO_3$	SM2340-B	09-19-1998 1600	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	09-14-1998 0915	MK
Magnesium, Dissolved	45	1	mg/l		EPA 242.1	09-14-1998 1330	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	09-14-1998 1530	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	09-01-1998 1210	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	08-24-1998 1111	SC
Nitrogen, Nitrite	<0.03	0.01	mg/l	as N	EPA 300.0	08-24-1998 1111	SC

INCORPORATED
EFFECTIVE:
APR 01 1990

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-15 ROADSIDE SPRING

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 23, 1998

Date received August 24, 1998

Rec'd 1045 hr.
Sampled 1030 hr.

FIELD MEASUREMENTS

pH	7.7
Conductivity	590
Temperature	10.0°C

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18955

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.03	0.01	mg/l as	EPA 300.0	08-24-1998 1111	SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	09-14-1998 1130	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500	MK
Sodium, Dissolved	33	1	mg/l	EPA 273.1	09-14-1998 1200	MK
Solids, Total Dissolved	416	10	mg/l	EPA 160.1	08-27-1998 0831	DL
Sulfate	80	1	mg/l	EPA 300.0	08-24-1998 1100	SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	09-14-1998 0815	MK
Cation/Anion Balance	-1.3	----	%		09-19-1998 1600	RJ

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EFFECTIVE:
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Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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June 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

plete to DB 6/14/2000

Sample identification by
ANDALEX RESOURCES

SP-15

Kind of sample reported to us Water

Rec'd 1300 hr.
Sampled 1200 hr.

Sample taken at Andalex

pH - 8.3 Flow 10.0 GPM

Sample taken by Andalex

Cond - 580

Date sampled May 19, 1998

Temp 10°C

Date received May 20, 1998

Boron filtered at lab
Sample Temp >6°C when received.

Analysis report no. 59-18472

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	15	10	mg/l as $CaCO_3$	D1067-92	05-21-1998 0800 SC
Alkalinity, Bicarbonate	372	5	mg/l as HCO_3	SM2320-B	06-01-1998 1100 SC
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	06-01-1998 1100 SC
Alkalinity, Total	305	5	mg/l as $CaCO_3$	EPA 310.1	06-01-1998 1100 SC
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	06-10-1998 1500 MK
Anions	8.3	----	meq/l	---------	06-23-1998 1000 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-16-1998 1045 MK
Boron, Dissolved	0.1	.1	mg/l	EPA 212.3	06-17-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	06-10-1998 1115 MK
Calcium, Dissolved	51	1	mg/l	EPA 215.1	06-10-1998 1400 MK
Cations	8.3	----	meq/l	---------	06-23-1998 1000 RJ
Chloride	9	1	mg/l	SM4500-Cl-B	06-02-1998 1005 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	06-10-1998 1015 MK
Hardness, Total	325	----	mg/l as $CaCO_3$	SM2340-B	06-23-1998 1000 RJ
Iron, Total	0.5	0.1	mg/l	EPA 236.1	06-10-1998 1215 MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	06-10-1998 1215 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	06-10-1998 1130 MK
Magnesium, Dissolved	48	1	mg/l	EPA 242.1	06-10-1998 1415 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	06-10-1998 1230 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-10-1998 1230 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	06-10-1998 1615 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	05-22-1998 1200 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.2	05-22-1998 0600 SC
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	05-21-1998 0845 MK

INCORPORATED
EFFECTIVE:
APR 01 1990
DIV. OF OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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7-9-99

June 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

SP-15

Kind of sample reported to us Water

Rec'd 1300 hr.
Sampled 1200 hr.

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 19, 1998

Date received May 20, 1998

Boron filtered at lab
Sample Temp >6°C when received.

Analysis report no. 59-18472

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.02	0.01	mg/l as P	SM4500-P-E	05-21-1998 1145	MK
Potassium, Dissolved	1	1	mg/l	EPA 258.1	06-10-1998 1300	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-16-1998 1430	MK
Sodium, Dissolved	40	1	mg/l	EPA 273.1	06-10-1998 1315	MK
Solids, Total Dissolved	446	10	mg/l	EPA 160.1	05-26-1998 1200	RJ
Sulfate	94	25	mg/l	EPA 375.4	05-21-1998 1200	SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	06-10-1998 1030	MK
Cation/Anion Balance	-0.3	----	%		06-23-1998 1000	RJ

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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10-16-00 DJ

December 1, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for update 1/20/2000 KM

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-16

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled November 3, 1999

Date received November 3, 1999

Rec'd 1200 hr.
Sampled 0835 hr.

FIELD MEASUREMENTS

pH	8.4
Conductivity	770
Temperature	44.0°F

Analysis report no. 59-20851

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	429	5	mg/l	as HCO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Total	351	5	mg/l	as $CaCO_3$	EPA 310.1	11-12-1999 0945	MK
Anions	8.4	----	meq/l		---------	11-16-1999 0900	RJ
Calcium, Dissolved	32	1	mg/l		EPA 215.1	11-12-1999 1255	SC
Cations	8.1	----	meq/l		---------	11-16-1999 0900	RJ
Chloride	10	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Hardness, Total	236	----	mg/l	as $CaCO_3$	SM2340-B	11-16-1999 0900	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Magnesium, Dissolved	38	1	mg/l		EPA 242.1	11-12-1999 1300	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Potassium, Dissolved	3	1	mg/l		EPA 258.1	11-12-1999 1020	SC
Sodium, Dissolved	76	1	mg/l		EPA 273.1	11-12-1999 1220	SC
Solids, Total Dissolved	439	10	mg/l		EPA 160.1	11-04-1999 0600	MK
Sulfate	52	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Cation/Anion Balance	-1.8	----	%			11-16-1999 0900	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

10-16-00 DT

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October 6, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for Update 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
ID:SP-16

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 25, 1999

Date received August 26, 1999

Rec'd 0950 hr.
Sampled 1350 hr.

FIELD MEASUREMENTS

pH	7.7
Conductivity	670
Temperature	11°C

NOTE*REISSUED DUE TO WRONG DISSOLVED MAGNESIUM NUMBER ENTRY.

Analysis report no. 59-20432

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	409	5	mg/l	as HCO_3	EPA 310.1	09-08-1999 1400	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	09-08-1999 1400	KP
Alkalinity, Total	341	5	mg/l	as $CaCO_3$	EPA 310.1	09-08-1999 1400	KP
Anions	8.0	----	meq/l		---------	09-21-1999 1030	MK
Calcium, Dissolved	48	1	mg/l		EPA 215.1	09-21-1999 0839	MK
Cations	6.8	----	meq/l		---------	09-21-1999 1030	MK
Chloride	9	1	mg/l		EPA 300.0	09-02-1999 0733	MK
Hardness, Total	289	----	mg/l	as $CaCO_3$	SM2340-B	09-21-1999 1030	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Iron, Total	0.1	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Magnesium, Dissolved	41	1	mg/l		EPA 242.1	09-15-1999 1540	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Potassium, Dissolved	2	1	mg/l		EPA 258.1	09-01-1999 1330	SC
Sodium, Dissolved	23	1	mg/l		EPA 273.1	09-21-1999 0755	MK
Solids, Total Dissolved	410	10	mg/l		EPA 160.1	08-31-1999 0800	KP
Sulfate	52	1	mg/l		EPA 300.0	09-15-1999 0843	MK
Cation/Anion Balance	-8.2	----	%			09-21-1999 1030	MK

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cornell

Huntington Laboratory

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F-465
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TERMS AND CONDITIONS ON REVERSE

GROUND WATER MONITORING DATA
LOCATION: SP-16 Lowermost Whitmore Spring
1999

PARAMETERS	UNITS	Baseline	Op	SAMPLE DATES	
DATE OF EVENT		05/26/99	08/25/99		
WATER LEVEL OR FLOW		2 gpm	0.4 gpm		
TEMPERATURE (FIELD)	C	8.0	11.0		
DISSOLVED OXYGEN (FIELD)	MG/L	a	a		
pH (FIELD)	S.U.	8.4	7.7		
pH (LAB)	S.U.	a	a		
CONDUCT. (FIELD)	UMHOS/CM @ 25C	670	670		
CONDUCT. (LAB)	UMHOS/CM @ 25C	a	a		
TOTAL DISSOLVED SOLIDS	MG/L	396	410		
TOTAL SETTLEABLE SOLIDS	MG/L	a	a		
TOTAL SUSPENDED SOLIDS	MG/L	a	a		
TOTAL HARDNESS AS CaCO3	MG/L	230	289		
OIL AND GREASE	MG/L	a	a		
NITRITE	MG/L	<0.03	a		
TOTAL, NITRATE/NITRITE	MG/L	0.57	a		
NITROGEN, AMMONIA	MG/L	<0.5	a		
BICARBONATE AS HCO3	MG/L	400	409		
CARBONATE AS CO3	MG/L	<5	<5		
MAJOR CATIONS	MEQ/L	7.7	6.8		
MAJOR ANIONS	MEQ/L	8	8		
ACIDITY	MG/L	<10	a		
ALKALINITY	MG/L	328	341		
ALUMINUM	MG/L	<1	a		
ARSENIC	MG/L	<0.01	a		
BARIUM	MG/L	a	a		
BORON	MG/L	0.2	a		
CADMIUM	MG/L	<0.01	a		
CALCIUM	MG/L	31	48		
CHLORIDE	MG/L	9	9		
CHROMIUM	MG/L	a	a		
COPPER	MG/L	<0.1	a		
IRON, DISSOLVED	MG/L	<0.1	<0.1		
IRON, TOTAL	MG/L	<0.1	0.1		
LEAD	MG/L	<0.1	a		
MAGNESIUM	MG/L	37	39		
MANGANESE, DISSOLVED	MG/L	<0.1	<0.1		
MANGANESE, TOTAL	MG/L	<0.1	<0.1		
MERCURY	MG/L	a	a		
MOLYBDENUM	MG/L	<0.1	a		
NICKEL	MG/L	a	a		
PHOSPHORUS, ORTHO-PO4	MG/L	<0.05	a		
POTASSIUM	MG/L	2	2		
SELENIUM	MG/L	<0.01	a		
SODIUM	MG/L	70	23		
SULFATE	MG/L	55	52		
ZINC	MG/L	0.04	a		
CATION/ANION BALANCE	%	-1.7	-8.2		

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

9-26-00 DJ

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FAX: (435) 653-2436

June 16, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

O/K to update 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-16

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled May 26, 1999

Date received May 27, 1999

Rec'd 0710 hr.
Sampled 1330 hr.

FIELD MEASUREMENTS

pH	8.4
Conductivity	670
Temperature	8.0°C

DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-19919

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	06-03-1999 0800 KP
Alkalinity, Bicarbonate	400	5	mg/l as HCO_3	EPA 310.1	06-02-1999 0745 KP
Alkalinity, Carbonate	<5	5	mg/l as CO_3	EPA 310.1	06-02-1999 0745 KP
Alkalinity, Total	328	5	mg/l as $CaCO_3$	EPA 310.1	06-02-1999 0745 KP
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	06-07-1999 1324 SC
Anions	8.0	----	meq/l	---------	06-16-1999 0900 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-15-1999 0745 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	06-09-1999 0630 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	06-07-1999 1417 SC
Calcium, Dissolved	31	1	mg/l	EPA 215.1	06-09-1999 1336 SC
Cations	7.7	----	meq/l	---------	06-16-1999 0900 RJ
Chloride	9	1	mg/l	EPA 300.0	05-28-1999 0911 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	06-07-1999 1319 SC
Hardness, Total	230	----	mg/l as $CaCO_3$	SM2340-B	06-16-1999 0900 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	05-18-1999 1210 SC
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	06-08-1999 0905 SC
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	06-07-1999 1435 SC
Magnesium, Dissolved	37	1	mg/l	EPA 242.1	06-09-1999 1458 SC
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	06-08-1999 1204 SC
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-08-1999 1204 SC
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	06-07-1999 1343 SC
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	05-27-1999 0700 MK
Nitrogen, Nitrate-Nitrite	0.57	0.03	mg/l as N	EPA 300.0	05-28-1999 0911 SC
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	05-28-1999 0911 SC

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

9-26-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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June 16, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-16

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled May 26, 1999

Date received May 27, 1999

Rec'd 0710 hr.
Sampled 1330 hr.
FIELD MEASUREMENTS
pH 8.4
Conductivity 670
Temperature 8.0°C

DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-19919

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	05-28-1999 0911 SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	06-08-1999 1342 SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-15-1999 1045 MK
Sodium, Dissolved	70	1	mg/l	EPA 273.1	06-09-1999 1041 SC
Solids, Total Dissolved	396	10	mg/l	EPA 160.1	06-01-1999 0800 KP
Sulfate	55	1	mg/l	EPA 300.0	05-28-1999 0911 SC
Zinc, Dissolved	0.04	0.01	mg/l	EPA 289.1	06-07-1999 1347 SC
Cation/Anion Balance	-1.7	----	%		06-16-1999 0900 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

SPRING SITE SP-16

Spring Location: Lowermost Whitmore Spring, T 14 S, R 14 E, Section 18, NE¼ SE¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Flow Rate (gpm)	Notes
05/19/98	1230	8.4	510	7	3.0	
07/28/98	1600	8.2	380	14	2	Field and sample parameters impacted by active storm runoff.
08/23/98	1200	8.3	590	10	6.7	
10/13/98	1000	7.6	700	9	2	
Maximum Value		8.4	700	14	6.7	
Minimum Value		7.6	380	7	2	
Average		8.1	545	10.0	3.4	
Standard Deviation		0.36	135	2.94	2.23	
Count		4	4	4	4	

Added Field data to samples 6/14/2000 KW

O/K for EDI 6/14/2000 KW

updated 6/14/2000 K

4-18-00 DH

INCORPORATED
EFFECTIVE:
APR 01 2000
UTAH DIVISION OIL, GAS AND MINING

COMMERCIAL TESTING & ENGINEERING CO.

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4-19-00 DJT

December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 KW

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-16 LOWER MOST WHITMORE

updated to DB 6/14/2000 KW

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 13, 1998

Date received October 14, 1998

Rec'd 0944 hr.
Sampled 1000 hr.

FIELD MEASUREMENTS
pH 7.6
Conductivity 700
Temperature 9°C

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19311

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	10-19-1998 1114	DL
Alkalinity, Bicarbonate	442	5	mg/l	as HCO_3	SM2320-B	10-23-1998 1006	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	10-23-1998 1006	DL
Alkalinity, Total	362	5	mg/l	as $CaCO_3$	EPA 310.1	10-23-1998 1006	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	11-29-1998 0715	MK
Anions	8.5	----	meq/l		---------	11-30-1998 1000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	12-10-1998	
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	11-19-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	11-29-1998 1300	MK
Calcium, Dissolved	34	1	mg/l		EPA 215.1	11-29-1998 0845	MK
Cations	8.3	----	meq/l		---------	11-30-1998 1000	RJ
Chloride	9	1	mg/l		EPA 300.0	10-14-1998 1000	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	11-29-1998 1400	MK
Hardness, Total	250	----	mg/l	as $CaCO_3$	SM2340-B	11-30-1998 1000	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-29-1998 1015	MK
Iron, Total	0.3	0.1	mg/l		EPA 236.1	11-29-1998 1015	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	11-29-1998 1315	MK
Magnesium, Dissolved	40	1	mg/l		EPA 242.1	11-29-1998 0930	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-29-1998 1100	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-29-1998 1100	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	11-29-1998 0800	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	11-10-1998 1100	SC
Nitrogen, Nitrate-Nitrite	0.2	0.03	mg/l	as N	EPA 300.0	10-14-1998 1000	SC
Nitrogen, Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	10-14-1998 1000	SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OF OIL, GAS AND MINING

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

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4-19-00 DT

December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-16 LOWER MOST WHITMORE

Kind of sample reported to us Water

Rec'd 0944 hr.
Sampled 1000 hr.

Sample taken at

Sample taken by

FIELD MEASUREMENTS
pH 7.6
Conductivity 700
Temperature 9°C

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19311

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-14-1998 1000 SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	11-29-1998 1145 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	75	1	mg/l	EPA 273.1	11-29-1998 1215 MK
Solids, Total Dissolved	448	10	mg/l	EPA 160.1	10-15-1998 0609 DL
Sulfate	50	1	mg/l	EPA 300.0	10-14-1998 1000 SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	11-29-1998 1415 MK
Cation/Anion Balance	-1.4	----	%		11-30-1998 1000 RJ

INCORPORATED
EFFECTIVE:
APR 01 1990
UTAH DIVISION OF OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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4-19-00 DT

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

updated to DB 6/14/2000 [illegible]

ok for DB 6/14/2000 [illegible]

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-16 LOWERMOST WHITMORE

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 23, 1998

Date received August 24, 1998

Rec'd 1045 hr.
Sampled 1200 hr.

FIELD MEASUREMENTS

pH	8.3
Conductivity	590
Temperature	10.0°C

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18956

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	09-03-1998 0755	DL
Alkalinity, Bicarbonate	429	5	mg/l	as HCO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Total	351	5	mg/l	as $CaCO_3$	EPA 310.1	09-03-1998 0925	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	09-14-1998 1430	MK
Anions	8.4	----	meq/l		---------	09-19-1998 1600	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-15-1998 0930	MK
Boron, Dissolved	0.1	0.1	mg/l		EPA 212.3	09-17-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	09-14-1998 0900	MK
Calcium, Dissolved	33	1	mg/l		EPA 215.1	09-14-1998 1300	MK
Cations	8.0	----	meq/l		---------	09-19-1998 1600	RJ
Chloride	10	1	mg/l		EPA 300.0	08-24-1998 1100	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	09-14-1998 0800	MK
Hardness, Total	243	----	mg/l	as $CaCO_3$	SM2340-B	09-19-1998 1600	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Iron, Total	0.2	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	09-14-1998 0915	MK
Magnesium, Dissolved	39	1	mg/l		EPA 242.1	09-14-1998 1330	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	09-14-1998 1530	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	09-11-1998 1300	SC
Nitrogen, Nitrate-Nitrite	0.3	0.1	mg/l	as N	EPA 300.0	08-24-1998 1111	SC
Nitrogen, Nitrite	<0.03	0.01	mg/l	as N	EPA 300.0	08-24-1998 1111	SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OF OIL, GAS AND MINING

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

4-19-00 DJ

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September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-16 LOWERMOST WHITMORE

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 23, 1998

Date received August 24, 1998

Rec'd 1045 hr.
Sampled 1200 hr.
FIELD MEASUREMENTS
pH 8.3
Conductivity 590
Temperature 10.0°C

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18956

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.03	0.01	mg/l as	EPA 300.0	08-24-1998 1111 SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	09-14-1998 1130 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500 MK
Sodium, Dissolved	70	1	mg/l	EPA 273.1	09-14-1998 1200 MK
Solids, Total Dissolved	435	10	mg/l	EPA 160.1	08-27-1998 0831 DL
Sulfate	52	1	mg/l	EPA 300.0	08-24-1998 1100 SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	09-14-1998 0815 MK
Cation/Anion Balance	-2.7	----	%		09-19-1998 1600 RJ

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OIL, GAS AND MINING

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FAX: (435) 653-2436

4-18-00 DT

August 25, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for ED 1 6/14/2000 KW

updated to DB 6/14/2000 KW

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 28, 1998

Date received July 29, 1998

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-16

Rec'd 0950 hr.
Sampled 1600 hr.
FIELD MEASUREMENTS
pH 8.2
Conductivity 380
Temperature 58.0°F

NOTE:DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-18865

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Acidity	13	10	mg/l as $CaCO_3$	D1067-92	07-31-1998 0800	DL
Alkalinity, Bicarbonate	318	5	mg/l as HCO_3	SM2320-B	07-30-1998 0759	DL
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	07-30-1998 0759	DL
Alkalinity, Total	260	5	mg/l as $CaCO_3$	EPA 310.1	07-30-1998 0759	DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	08-11-1998 1000	MK
Anions	6.2	----	meq/l	---------	08-11-1998 2000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	09-20-1998 0830	MK
Boron, Dissolved	0.1	0.1	mg/l	EPA 212.3	08-12-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	08-10-1998 0845	MK
Calcium, Dissolved	30	1	mg/l	EPA 215.1	08-11-1998 0800	MK
Cations	6.6	----	meq/l	---------	08-11-1998 2000	RJ
Chloride	8	1	mg/l	EPA 300.0	07-30-1998 1030	SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	08-10-1998 0745	MK
Hardness, Total	207	----	mg/l as $CaCO_3$	SM2340-B	08-11-1998 2000	RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	08-10-1998 1030	MK
Iron, Total	22.8	1.0	mg/l	EPA 236.1	08-10-1998 1030	MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	08-10-1998 0900	MK
Magnesium, Dissolved	32	1	mg/l	EPA 242.1	08-11-1998 0845	MK
Manganese, Total	0.7	0.1	mg/l	EPA 243.1	08-10-1998 1115	MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	08-10-1998 1115	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	08-11-1998 1100	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	08-06-1998 0800	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.3	08-12-1998 0900	SC
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	07-30-1998 1230	SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND M

Huntington Laboratory

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4-18-00 DT

August 25, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
SP-16

Kind of sample reported to us Water

Rec'd 0950 hr.
Sampled 1600 hr.

FIELD MEASUREMENTS

pH	8.2
Conductivity	380
Temperature	58.0°F

Sample taken at

Sample taken by

Date sampled July 28, 1998

Date received July 29, 1998

NOTE:DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-18865

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	0.05	0.01	mg/l as P	SM4500-P-E	07-30-1998 0830 MK
Potassium, Dissolved	3	1	mg/l	EPA 258.1	08-10-1998 1215 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	08-19-1998 0900 MK
Sodium, Dissolved	54	1	mg/l	EPA 273.1	08-10-1998 1300 MK
Solids, Total Dissolved	386	10	mg/l	EPA 160.1	08-03-1998 0827 DL
Sulfate	39	1	mg/l	EPA 300.0	07-30-1998 1030 SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	08-10-1998 0800 MK
Cation/Anion Balance	2.4	----	%		08-11-1998 2000 RJ

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June 30, 1998

o/c for EDI 6/14/2000 kw

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

updated to DB 6/14/2000 kw

Sample identification by
ANDALEX RESOURCES

SP-16

Kind of sample reported to us Water

Rec'd 1300 hr.
Sampled 1230 hr.

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 19, 1998

Date received May 20, 1998

Boron filtered at lab.
Samples Temp >6°C when received.

Analysis report no. 59-18473

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	10	10	mg/l	as $CaCO_3$	D1067-92	05-21-1998 0800	SC
Alkalinity, Bicarbonate	402	5	mg/l	as HCO_3	SM2320-B	06-01-1998 1100	SC
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	06-01-1998 1100	SC
Alkalinity, Total	329	5	mg/l	as $CaCO_3$	EPA 310.1	06-01-1998 1100	SC
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	06-10-1998 1500	MK
Anions	8.0	----	meq/l		---------	06-23-1998 1000	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	06-16-1998 1045	MK
Boron, Dissolved	0.1	.1	mg/l		EPA 212.3	06-17-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	06-10-1998 1115	MK
Calcium, Dissolved	32	1	mg/l		EPA 215.1	06-10-1998 1400	MK
Cations	7.9	----	meq/l		---------	06-23-1998 1000	RJ
Chloride	13	1	mg/l		SM4500-Cl-B	06-02-1998 1005	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	06-10-1998 1015	MK
Hardness, Total	236	----	mg/l	as $CaCO_3$	SM2340-B	06-23-1998 1000	RJ
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	06-10-1998 1215	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	06-10-1998 1215	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	06-10-1998 1130	MK
Magnesium, Dissolved	38	1	mg/l		EPA 242.1	06-10-1998 1415	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	06-10-1998 1230	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	06-10-1998 1230	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	06-10-1998 1615	MK
Nitrogen, Ammonia	1.7	0.5	mg/l	as N	EPA 350.3	05-22-1998 1200	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 353.3	05-22-1998 0600	SC
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	05-21-1998 0845	MK

INCORPORATED
EFFECTIVE:
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June 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

SP-16

Kind of sample reported to us Water

Rec'd 1300 hr.
Sampled 1230 hr.

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 19, 1998

Date received May 20, 1998

Boron filtered at lab.
Samples Temp >6°C when received.

Analysis report no. 59-18473

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.01	0.01	mg/l as P	SM4500-P-E	05-21-1998 1145	MK
Potassium, Dissolved	2	1	mg/l	EPA 258.1	06-10-1998 1300	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-16-1998 1430	MK
Sodium, Dissolved	72	1	mg/l	EPA 273.1	06-10-1998 1315	MK
Solids, Total Dissolved	410	10	mg/l	EPA 160.1	05-26-1998 1200	RJ
Sulfate	50	10	mg/l	EPA 375.4	05-21-1998 1200	SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	06-10-1998 1030	MK
Cation/Anion Balance	-0.6	----	%		06-23-1998 1000	RJ

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UTAH DIVISION OIL, GAS AND MINING

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Huntington Laboratory

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WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

STREAM SITE ST-2

Stream Location: Upper Bear Canyon T 13 S, R 13 E, Section 34, SE¼SW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temper-ature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Notes
04/28/98							Inaccessible - snow
05/26/98							Inaccessible due to logging.
06/22/98							Inaccessible due to logging.
07/20/98							Inaccessible due to logging.
08/25/98	0915	8.1	1170	13	9	3.8	sampled; no oil sheen
09/30/98	1130	8.4	1140	11	9	5.0	sampled; no oil sheen
10/15/98	0930	8.3	1300	5	9	5	sampled; no oil sheen
Maximum Value		8.4	1300	13	9.0	5.0	
Minimum Value		8.1	1140	5	9	3.8	
Average		8.3	1203	9.7	9.0	4.6	
Standard Deviation		0.15	85.05	4.16	0.00	0.69	
Count		3	3	3	3	3	

UTAH DIVISION OIL, GAS AND MINING
APR 01 1999
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OK for EDI 6/16/2000 KJ
updated to DB 6/16/2000 KJ

4-24-00 DT

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4-25-00 DT

update to DB 6/16/2000 KN

OK for EPI 6/15/2000 KN

January 4, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-2
Rec'd 1140 hr.
Sampled 0930 hr.
FIELD MEASUREMENTS
pH 8.3
DO 9
Conductivity 1300
Temperature 41°F

FLOW 5 GPM

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 15, 1998

Date received October 15, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.
AMENDED REPORT.

Analysis report no. 59-19331

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	10-19-1998 1114	DL
Alkalinity, Bicarbonate	507	5	mg/l	as HCO_3	SM2320-B	10-27-1998 0900	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	10-27-1998 0900	DL
Alkalinity, Total	415	5	mg/l	as $CaCO_3$	EPA 310.1	10-27-1998 0900	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	11-29-1998 0715	MK
Anions	17.7	----	meq/l		---------	12-01-1998 1200	SC
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	12-10-1998	
Boron, Dissolved	0.4	0.1	mg/l		EPA 212.3	11-19-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	11-29-1998 1300	MK
Calcium, Dissolved	79	1	mg/l		EPA 215.1	11-29-1998 0845	MK
Cations	18.3	----	meq/l		---------	12-01-1998 1200	SC
Chloride	16	1	mg/l		EPA 300.0	11-11-1998 0843	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	11-29-1998 1400	MK
Hardness, Total	663	----	mg/l	as $CaCO_3$	SM2340-B	12-01-1998 1200	SC
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-29-1998 1015	MK
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	11-29-1998 1015	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	11-29-1998 1315	MK
Magnesium, Dissolved	113	2	mg/l		EPA 242.1	11-29-1998 0930	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-29-1998 1100	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-29-1998 1100	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	11-29-1998 0800	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	11-16-1998 1100	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	10-16-1998 0800	SC
Nitrogen, Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	10-16-1998 0800	SC

INCORPORATED
EFFECTIVE:
APR 01 19[illegible]

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND [illegible]

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4-25-00 DJ

January 4, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-2
Rec'd 1140 hr.
Sampled 0930 hr.
FIELD MEASUREMENTS

pH	8.3
DO	9
Conductivity	1300
Temperature	41°F

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.
AMENDED REPORT.

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 15, 1998

Date received October 15, 1998

Analysis report no. 59-19331

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Oil & Grease	<2	2	mg/l	SM5520-B	10-26-1998 0730	SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-16-1998 0800	SC
Potassium, Dissolved	4	1	mg/l	EPA 258.1	11-29-1998 1145	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998	
Sodium, Dissolved	113	1	mg/l	EPA 273.1	11-29-1998 1215	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	10-02-1998 0800	SC
Solids, Total Dissolved	1128	10	mg/l	EPA 160.1	10-20-1998 0900	DL
Solids, Total Suspended	11	5	mg/l	EPA 160.2	10-20-1998 0900	DL
Sulfate	429	1	mg/l	EPA 300.0	12-01-1998 1200	SC
Zinc, Dissolved	0.04	0.01	mg/l	EPA 289.1	11-29-1998 1415	MK
Cation/Anion Balance	1.5	----	%		12-01-1998 1200	SC

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

update to DB 6/16/2000 hr
OK for EDI 6/15/2000 hr

Sample identification by

WEST RIDGE (STREAM)
ST-2

Kind of sample reported to us Water

Rec'd 1020 hr.
Sampled 1136 hr.

Sample taken at

pH. 8.4 Cond - 1140 D.O. 9.0

Sample taken by

Flow - 5 gpm Temp 11°C

Date sampled September 30, 1998

Date received October 1, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19202

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	10-08-1998 0834 DL
Alkalinity, Bicarbonate	481	5	mg/l as HCO_3	SM2320-B	10-05-1998 0811 DL
Alkalinity, Carbonate	18	5	mg/l as CO_3	SM2320-B	10-05-1998 0811 DL
Alkalinity, Total	424	5	mg/l as $CaCO_3$	EPA 310.1	10-05-1998 0811 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	11-17-1998 1115 MK
Anions	18.7	----	meq/l	---------	12-01-1998 1200 SC
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	12-10-1998
Boron, Dissolved	1.2	0.2	mg/l	EPA 212.3	11-19-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	11-17-1998 0530 MK
Calcium, Dissolved	76	1	mg/l	EPA 215.1	11-17-1998 0930 MK
Cations	18.4	----	meq/l	---------	12-01-1998 1200 SC
Chloride	18	1	mg/l	EPA 300.0	10-01-1998 1116 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	11-17-1998 0445 MK
Hardness, Total	667	----	mg/l as $CaCO_3$	SM2340-B	12-01-1998 1200 SC
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	11-17-1998 0615 MK
Iron, Total	0.1	0.1	mg/l	EPA 236.1	11-17-1998 0615 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	11-17-1998 0545 MK
Magnesium, Dissolved	116	2	mg/l	EPA 242.1	11-17-1998 1000 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	11-17-1998 0730 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	11-17-1998 0730 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	11-17-1998 1145 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	10-15-1998 0800 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 300.0	10-01-1998 1116 SC
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	10-01-1998 1116 SC

INCORPORATED
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APR 01 1999

Respectfully submitted
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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4-24-00 DJ

December 16, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-2

Kind of sample reported to us Water

Rec'd 1020 hr.
Sampled 1136 hr.

Sample taken at

Sample taken by

Date sampled September 30, 1998

Date received October 1, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19202

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-01-1998 1116 SC
Potassium, Dissolved	4		mg/l	EPA 258.1	11-17-1998 0815 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	113	1	mg/l	EPA 273.1	11-17-1998 0830 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	10/2 09-30-1998 1200 SC
Solids, Total Dissolved	1088	10	mg/l	EPA 160.1	10-06-1998 1000 DL
Solids, Total Suspended	8	5	mg/l	EPA 160.2	10-06-1998 1000 DL
Sulfate	466	10	mg/l	EPA 300.0	12-01-1998 1200 SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	11-17-1998 0500 MK
Cation/Anion Balance	-0.9	----	%		12-01-1998 1200 SC

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER ACIL

4-24-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

updated to OK 6/16/ [illegible]
OK for EDI 6/15/2000 [illegible]

Sample identification by

WEST RIDGE (STREAM)
ST-2
UPPER BEAR STREAM

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 25, 1998

Date received August 26, 1998

Rec'd 1500 hr.
Sampled 0915 hr.

pH - 8.1 Cond - 1140 Flow 3.8 gpm
Temp 13°C D.O. 9.0

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18969

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	09-03-1998 0755	DL
Alkalinity, Bicarbonate	454	5	mg/l	as HCO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Carbonate	26	5	mg/l	as CO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Total	415	5	mg/l	as $CaCO_3$	EPA 310.1	09-03-1998 0925	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	09-14-1998 1430	MK
Anions	19.2	----	meq/l		---------	09-19-1998 1600	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-15-1998 0930	MK
Boron, Dissolved	0.3	0.1	mg/l		EPA 212.3	09-17-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	09-14-1998 0900	MK
Calcium, Dissolved	77	1	mg/l		EPA 215.1	09-14-1998 1300	MK
Cations	17.7	----	meq/l		---------	09-19-1998 1600	RJ
Chloride	19	1	mg/l		EPA 300.0	09-14-1998 1000	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	09-14-1998 0800	MK
Hardness, Total	649	----	mg/l	as $CaCO_3$	SM2340-B	09-19-1998 1600	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Iron, Total	0.7	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	09-14-1998 0915	MK
Magnesium, Dissolved	111	2	mg/l		EPA 242.1	09-14-1998 1330	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	09-14-1998 1530	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	09-01-1998 1300	SC
Nitrogen, Nitrate-Nitrite	0.1	0.1	mg/l	as N	EPA 300.0	08-27-1998 0838	SC
Nitrogen, Nitrite	<0.03	0.01	mg/l	as N	EPA 300.0	08-27-1998 0838	SC

0.03?

INCORPORATED
EFFECTIVE:
APR 01 1990

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

UTAH DIVISION OIL, GAS AND MINING

MEMBER ACIL

4-24-00 DJ

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FAX: (435) 653-2436

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-2
UPPER BEAR STREAM

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 25, 1998

Date received August 26, 1998

Rec'd 1500 hr.
Sampled 0915 hr.

NOTE:DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18969

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.03	~~0.01~~	mg/l as	EPA 300.0	08-27-1998 0838	SC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	09-14-1998 1130	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500	MK
Sodium, Dissolved	106	1	mg/l	EPA 273.1	09-14-1998 1200	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	08-27-1998 0800	DL
Solids, Total Dissolved	1103	10	mg/l	EPA 160.1	09-02-1998 0814	DL
Solids, Total Suspended	45	5	mg/l	EPA 160.2	09-02-1998 0814	DL
Sulfate	499	5	mg/l	EPA 300.0	09-15-1998 0900	SC
Zinc, Dissolved	<0.01	0.01	mg/l	EPA 289.1	09-14-1998 0815	MK
Cation/Anion Balance	-4.3	----	%		09-19-1998 1600	RJ

INCORPORATED
EFFECTIVE:
APR 01 1998

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OIL, GAS AND MINING

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4-10-00 DT

update to DB 6/16/2000 N

OK for EDI 6/15/2000 N

December 16, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ID: ST-2 UPPER BEAR STREAM

Rec'd 0935 hr.
Sampled 1200 hr.

Flow 3.3 gpm

pH 8.6

Temp ~~DB~~ 1370

D.O. 9.0.

Cond 14

CHARGE BALANCE >10

Kind of sample reported to us	Water
Sample taken at	Andalex
Sample taken by	Andalex
Date sampled	October 22, 1997
Date received	October 23, 1997

Analysis report no. 59-17997

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	10-23-1997 1930	RJ
Alkalinity, Bicarbonate	489	5	mg/l	as HCO_3	SM2320-B	10-23-1997 2350	RJ
Alkalinity, Carbonate	7	5	mg/l	as CO_3	SM2320-B	10-23-1997 2350	RJ
Alkalinity, Total	412	5	mg/l	as $CaCO_3$	EPA 310.1	10-23-1997 2350	RJ
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	12-02-1997 0145	MK
Anions	12.8	----	meq/l		---------	12-15-1997 1200	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	11-24-1997 1645	MK
Boron, Dissolved	0.4	0.1	mg/l		EPA 212.3	11-11-1997 1700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	12-01-1997 2145	MK
Calcium, Dissolved	74	1	mg/l		EPA 215.1	12-02-1997 0100	MK
Cations	18.3	----	meq/l		---------	12-15-1997 1200	RJ
Chloride	18	1	mg/l		SM4500-Cl-B	11-04-1997 1230	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	12-01-1997 2100	MK
Hardness, Total	679	----	mg/l	as $CaCO_3$	SM2340-B	12-15-1997 1200	RJ
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	12-01-1997 2245	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	12-01-1997 2245	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	12-01-1997 2200	MK
Magnesium, Dissolved	120	2	mg/l		EPA 242.1	12-02-1997 0115	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	12-01-1997 2300	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	12-01-1997 2300	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	12-02-1997 0245	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	10-27-1997 1110	RJ
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 353.3	11-17-1997 0700	JC
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	10-23-1997 1230	RJ

INCORPORATED
EFFECTIVE:
APR 01 19

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MI

Huntington Laboratory

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4-10-00 DT

December 16, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ID: ST-2 UPPER BEAR STREAM

Rec'd 0935 hr.
Sampled 1200 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled October 22, 1997

Date received October 23, 1997

CHARGE BALANCE >10

Analysis report no. 59-17997

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	0.01	0.01	mg/l as P	SM4500-P-E	10-23-1997 1200 RJ
Potassium, Dissolved	3	1	mg/l	EPA 258.1	12-01-1997 2345 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	11-24-1997 2030 MK
Sodium, Dissolved	108	1	mg/l	EPA 273.1	12-02-1997 2030 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	10-23-1997 1315 RJ
Solids, Total Dissolved	1090	10	mg/l	EPA 160.1	10-29-1997 0700 JC
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	10-27-1997 0700 JC
Sulfate	196	100	mg/l	EPA 375.4	10-29-1997 1400 SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	12-01-1997 2115 MK
Cation/Anion Balance	17.7	----	%		12-15-1997 1200 RJ

INCORPORATED
EFFECTIVE:
APR 01 1900
UTAH DIVISION OF OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER ACIL

ANDALEX RESOURCES, INC. WEST RIDGE PROJECT
BASELINE WATER MONITORING REPORT - 1997
FIELD PARAMETERS

STREAM SITE ST-2

Stream Location: Upper Bear Canyon T 13 S, R 13 E, Section 34, SE¼SW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temper-ature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Notes
05/05/97	---						Inaccessible
05/28/97	---						Inaccessible
07/10/97	1015	8.7	1230	12	8	13	sampled; no oil sheen; flow dissipates 300 ft. downstream
08/28/97	0910	8.8	1270	13.5	8.8	5.8	sampled; no oil sheen; flow dissipates 200 ft. downstream
09/27/97	1440	8.8	1120	14	7	5	sampled; no oil sheen; flow dissipates 200 ft. downstream
10/22/97	1200	8.6	1370	11	9	3.3	sampled; no oil sheen; flow dissipates 200 ft. downstream
Maximum Value		8.8	1370	14	9.0	13.0	300
Minimum Value		8.6	1120	11	7	3.3	
Average		8.7	1248	12.6	8.2	6.8	
Standard Deviation		0.10	103.40	1.38	0.91	4.28	
Count		4	4	4	4	4	

UTAH DIVISION OIL, GAS AND MINING
INCORPORATED
EFFECTIVE:
APR 01 1999

updated to DB 6/16/2000 JK
OK for EDI 6/15/2000 JK

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4-10-00 DJ

update to DB 6/16/2000 JR

OK for EDI 6/15/2000 JR

October 21, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ST-2 UPPER BEAR STREAM

Rec'd 0850 hr.
Sampled 1440 hr.

pH 8.8 Temp 14°C Flow 5 gpm
Cond 1120 D.O. 7.0

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled September 27, 1997

Date received September 29, 1997

NOTE: INSUFFICIENT TIME TO ANALYZE NO_2 & o-PO_4 BEFORE H.T. EXPIRED
NOTE: DISSOLVED BORON FILTERED AT LAB!

Analysis report no. 59-17822

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	10-03-1997 1300	SC
Alkalinity, Bicarbonate	465	5	mg/l	as HCO_3	SM2320-B	09-30-1997 1200	SC
Alkalinity, Carbonate	12	5	mg/l	as CO_3	SM2320-B	09-30-1997 1200	SC
Alkalinity, Total	402	5	mg/l	as $CaCO_3$	EPA 310.1	09-30-1997 1200	SC
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	10-01-1997 2345	MK
Anions	18.6	----	meq/l		---------	10-13-1997 1430	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	10-02-1997 0230	MK
Boron, Dissolved	0.3	0.1	mg/l		EPA 212.3	09-29-1997 1500	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	10-01-1997 1900	MK
Calcium, Dissolved	76	1	mg/l		EPA 215.1	10-01-1997 2245	MK
Cations	17.6	----	meq/l		---------	10-13-1997 1430	RJ
Chloride	17	1	mg/l		SM4500-Cl-B	10-02-1997 1400	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	10-01-1997 1800	MK
Hardness, Total	635	----	mg/l	as $CaCO_3$	SM2340-B	10-13-1997 1430	RJ
Iron, Total	0.6	0.1	mg/l		EPA 236.1	10-01-1997 1945	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	10-01-1997 1945	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	10-01-1997 1915	MK
Magnesium, Dissolved	108	5	mg/l		EPA 242.1	10-01-1997 2300	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	10-01-1997 2015	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	10-01-1997 2015	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	10-01-1997 1700	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	~~EPA 350.3~~	~~10-20-1997 0930~~	RJ
Nitrogen, Nitrate-Nitrite	0.2	0.1	mg/l	as N	EPA 353.3	10-09-1997 0700	JC
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	09-30-1997 0830	JC

INCORPORATED
EFFECTIVE:
APR 01 1900
UTAH DIVISION OIL, GAS AND M

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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4-10-00 DT

October 21, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ST-2 UPPER BEAR STREAM

Rec'd 0850 hr.
Sampled 1440 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled September 27, 1997

Date received September 29, 1997

NOTE: INSUFFICIENT TIME TO ANALYZE NO_2 & o-PO_4 BEFORE H.T. EXPIRED
NOTE: DISSOLVED BORON FILTERED AT LAB!

Analysis report no. 59-17822

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.02	0.01	mg/l as P	SM4500-P-E	09-30-1997 0730	JC
Potassium, Dissolved	4	1	mg/l	EPA 258.1	10-01-1997 2045	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	10-03-1997 0145	MK
Sodium, Dissolved	111	1	mg/l	EPA 273.1	10-01-1997 2115	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	09-29-1997 1000	SC
Solids, Total Dissolved	1090	10	mg/l	EPA 160.1	09-29-1997 0700	JC
Solids, Total Suspended	136	5	mg/l	EPA 160.2	09-29-1997 0700	JC
Sulfate	483	250	mg/l	EPA 375.4	10-07-1997 1210	SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	10-01-1997 1815	MK
Cation/Anion Balance	2.6	----	%		10-13-1997 1430	RJ

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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October 13, 1997

updated 6/16/2000 KW

OK for EDI 6/15/2000 KW

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

ST-2

Rec'd 1135 hr.
Sampled 0930 hr.

pH - 8.8 Temp 13.5

Cond - 1270 D.O. 8.8

Flow 5.8 gpm

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled August 28, 1997

Date received August 28, 1997

NOTE: DISSOLVED BORON FILTERED AT LAB!

Analysis report no. 59-17676

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	09-10-1997 0900	RJ
Alkalinity, Bicarbonate	473	5	mg/l	as HCO_3	SM2320-B	09-08-1997 0745	SC
Alkalinity, Carbonate	9	5	mg/l	as CO_3	SM2320-B	09-08-1997 0745	SC
Alkalinity, Total	403	5	mg/l	as $CaCO_3$	EPA 310.1	09-08-1997 0745	SC
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	09-18-1997 0415	MK
Anions	16.1	----	meq/l		---------	10-08-1997 1400	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-03-1997 1100	MK
Boron, Dissolved	0.3	0.1	mg/l		EPA 212.3	08-30-1997 0345	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	09-18-1997 0015	MK
Calcium, Dissolved	69	1	mg/l		EPA 215.1	09-18-1997 0300	MK
Cations	17.7	----	meq/l		---------	10-08-1997 1400	RJ
Chloride	18	1	mg/l		SM4500-Cl-B	09-18-1997 1200	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	09-17-1997 2330	MK
Hardness, Total	639	----	mg/l	as $CaCO_3$	SM2340-B	10-08-1997 1400	RJ
Iron, Total	0.3	0.1	mg/l		EPA 236.1	09-18-1997 0115	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-18-1997 0115	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	09-18-1997 0030	MK
Magnesium, Dissolved	106	2	mg/l		EPA 242.1	09-18-1997 0330	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-18-1997 0130	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-18-1997 0130	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	09-18-1997 0445	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	09-15-1997 0900	RJ
Nitrogen, Nitrate-Nitrite	0.1	0.1	mg/l	as N	EPA 353.3	09-19-1997 1100	RJ
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	09-09-1997 1200	JC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING
Huntington Laboratory

MEMBER ACIL

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FAX: (801) 653-2436

4-10-00 DJ

October 13, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

ST-2

Rec'd 1135 hr.
Sampled 0930 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled August 28, 1997

Date received August 28, 1997

NOTE: DISSOLVED BORON FILTERED AT LAB!

Analysis report no. 59-17676

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.01	0.01	mg/l as P	SM4500-P-E	08-29-1997 0800 JC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	09-18-1997 0200 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-04-1997 0815 MK
Sodium, Dissolved	110	1	mg/l	EPA 273.1	09-18-1997 0215 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	08-28-1997 1200 SC
Solids, Total Dissolved	1100	10	mg/l	EPA 160.1	09-02-1997 0700 JC
Solids, Total Suspended	21	5	mg/l	EPA 160.2	09-02-1997 0700 JC
Sulfate	364	125	mg/l	EPA 375.4	09-12-1997 0800 SC
Zinc, Dissolved	0.06	0.01	mg/l	EPA 289.1	09-17-1997 2345 MK
Cation/Anion Balance	4.6	----	%		10-08-1997 1400 RJ

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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4-10-00 DT

August 12, 1997

ANDALEX RESOURCES
P.O. Box 902
Price UT 84501

updat to DB 6/16/2000 KW
OK for EDI 6/15/2000 KW

Sample identification by
ANDALEX RESOURCES

ID: ST-2 UPPER BEAR STREAM SITE

Kind of sample reported to us: Water

Sample taken at: Andalex

Sample taken by: Andalex

Date sampled: July 10, 1997

Date received: July 11, 1997

Rec'd 0915 hr.
Sampled 1015 hr.

pH 8.7 Temp 12°C
Cond - 1230 D.O. 8.0
Flow 13 GPM

NOTE: DISSOLVED BORON FILTERED AT LAB!
Sample Temp >6C when received

Analysis report no. 59-17472

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	07-18-1997 0730	SC
Alkalinity, Bicarbonate	460	5	mg/l	as HCO_3	SM2320-B	07-18-1997 0900	SC
Alkalinity, Carbonate	10	5	mg/l	as CO_3	SM2320-B	07-18-1997 0900	SC
Alkalinity, Total	395	5	mg/l	as $CaCO_3$	EPA 310.1	07-18-1997 0900	SC
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	08-05-1997 1315	MK
Anions	21.1	----	meq/l		---------	08-07-1997 1100	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	08-08-1997 1015	MK
Boron, Dissolved	0.3	0.1	mg/l		EPA 212.3	07-30-1997 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	08-05-1997 0845	MK
Calcium, Dissolved	77	1	mg/l		EPA 215.1	08-05-1997 1200	MK
Cations	17.8	----	meq/l		---------	08-07-1997 1100	RJ
Chloride	14	1	mg/l		SM4500-Cl-B	07-31-1997 0730	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	08-05-1997 0800	MK
Hardness, Total	658	----	mg/l	as $CaCO_3$	SM2340-B	08-07-1997 1100	RJ
Iron, Total	0.2	0.1	mg/l		EPA 236.1	08-05-1997 1000	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	08-05-1997 1000	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	08-05-1997 0915	MK
Magnesium, Dissolved	113	2	mg/l		EPA 242.1	08-05-1997 1230	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	08-05-1997 1030	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	08-05-1997 1030	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	08-05-1997 1430	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	08-01-1997 0600	RJ
Nitrogen, Nitrate-Nitrite	0.2	0.1	mg/l	as N	EPA 353.3	07-18-1997 0400	AR
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	07-12-1997 1330	JC

INCORPORATED
EFFECTIVE:
APR 01 199

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OIL, GAS AND MINING
Larry Stout

Huntington Laboratory

COMMERCIAL TESTING & ENGINEERING CO.

4-10-00

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FAX: (801) 653-2436

August 12, 1997

ANDALEX RESOURCES
P.O. Box 902
Price UT 84501

Sample identification by
ANDALEX RESOURCES

ID: ST-2 UPPER BEAR STREAM SITE

Kind of sample reported to us Water

Rec'd 0915 hr.
Sampled 1015 hr.

Sample taken at Andalex

Sample taken by Andalex

Date sampled July 10, 1997

Date received July 11, 1997

NOTE: DISSOLVED BORON FILTERED AT LAB!
Sample Temp >6C when received

Analysis report no. 59-17472

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.03	0.01	mg/l as P	SM4500-P-E	07-11-1997 1200	JC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	08-05-1997 1045	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	08-09-1997 0600	MK
Sodium, Dissolved	105	1	mg/l	EPA 273.1	08-05-1997 1130	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	07-11-1997 1015	JC
Solids, Total Dissolved	1060	10	mg/l	EPA 160.1	07-11-1997 0800	JC
Solids, Total Suspended	6	5	mg/l	EPA 160.2	07-14-1997 0700	JC
Sulfate	615	500	mg/l	EPA 375.4	08-04-1997 0745	SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	08-05-1997 0815	MK
Cation/Anion Balance	-8.5	----	%		08-07-1997 1100	RJ

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Scott

Huntington Laboratory RO

9-19-00 DT

COMMERCIAL TESTING & ENGINEERING CO.

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December 1, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000

Sample identification by

WEST RIDGE (STREAM)
ST-3
UPPER WHITMORE STREAM
Rec'd 1200 hr.
Sampled 1000 hr.

FIELD MEASUREMENTS

pH	7.7
DO	17.7
Conductivity	620
Temperature	1.9°C

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled November 2, 1999

Date received November 3, 1999

Analysis report no. 59-20843

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	396	5	mg/l	as HCO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Total	331	5	mg/l	as $CaCO_3$	EPA 310.1	11-12-1999 0945	MK
Anions	7.9	----	meq/l		---------	11-16-1999 0900	RJ
Calcium, Dissolved	51	1	mg/l		EPA 215.1	11-12-1999 1255	SC
Cations	7.5	----	meq/l		---------	11-16-1999 0900	RJ
Chloride	3	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Hardness, Total	309	----	mg/l	as $CaCO_3$	SM2340-B	11-16-1999 0900	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Iron, Total	0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Magnesium, Dissolved	44	1	mg/l		EPA 242.1	11-12-1999 1300	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Oil & Grease	<2	2	mg/l		EPA 413.1	11-11-1999 0900	SC
Potassium, Dissolved	2	1	mg/l		EPA 258.1	11-12-1999 1020	SC
Sodium, Dissolved	30	1	mg/l		EPA 273.1	11-12-1999 1220	SC
Solids, Total Dissolved	407	10	mg/l		EPA 160.1	11-04-1999 0600	MK
Solids, Total Suspended	8	5	mg/l		EPA 160.2	11-04-1999 0600	MK
Sulfate	64	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Cation/Anion Balance	-2.5	----	%			11-16-1999 0900	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

MEMBER ACIL

9-26-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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September 14, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000 K

Sample identification by

WEST RIDGE (STREAM)
ID:ST-3

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 25, 1999

Date received August 26, 1999

Rec'd 0950 hr.
Sampled 1245 hr.

FIELD MEASUREMENTS

pH	8.2
DO	10.2
Conductivity	580
Temperature	16.0°C

DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-20430

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	342	5	mg/l	as HCO_3	EPA 310.1	09-08-1999 1400	KP
Alkalinity, Carbonate	7	5	mg/l	as CO_3	EPA 310.1	09-08-1999 1400	KP
Alkalinity, Total	292	5	mg/l	as $CaCO_3$	EPA 310.1	09-08-1999 1400	KP
Anions	6.9	----	meq/l		---------	09-13-1999 0930	RJ
Calcium, Dissolved	44	1	mg/l		EPA 215.1	09-02-1999 0730	SC
Cations	6.4	----	meq/l		---------	09-13-1999 0930	RJ
Chloride	2	1	mg/l		EPA 300.0	08-27-1999 0908	MK
Hardness, Total	270	----	mg/l	as $CaCO_3$	SM2340-B	09-13-1999 0930	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Iron, Total	0.5	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Magnesium, Dissolved	39	1	mg/l		EPA 242.1	09-02-1999 1010	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Oil & Grease	<2	2	mg/l		EPA 413.1	08-30-1999 0900	SC
Potassium, Dissolved	2	1	mg/l		EPA 258.1	09-01-1999 1330	SC
Sodium, Dissolved	22	1	mg/l		EPA 273.1	09-02-1999 1040	SC
Solids, Total Dissolved	339	10	mg/l		EPA 160.1	08-31-1999 0800	KP
Solids, Total Suspended	17	5	mg/l		EPA 160.2	08-31-1999 0800	KP
Sulfate	50	1	mg/l		EPA 300.0	08-27-1999 0908	MK
Cation/Anion Balance	-3.9	----	%			09-13-1999 0930	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBE
ACIL

SURFACE WATER MONITORING DATA
LOCATION: ST-3 Upper Whitmore
1999

Baseline Field Baseline

SAMPLE DATES

PARAMETERS	UNITS						
DATE OF EVENT		04/22/99	05/26/99	06/17/99	08/25/99		
WATER LEVEL OR FLOW		0.4 cfs	1.8 cfs	1.0 cfs	0.3 cfs		
TEMPERATURE (FIELD)	C	5.0	12.0	12.0	16.0		
DISSOLVED OXYGEN (FIELD)	MG/L	11.0	12.0	15.1	10.2		
pH (FIELD)	S.U.	8.7	8.6	7.3	8.2		
pH (LAB)	S.U.	a	a	a	a		
CONDUCT. (FIELD)	UMHOS/CM @ 25C	a	550	500	580		
CONDUCT. (LAB)	UMHOS/CM @ 25C	579	a	a	a		
TOTAL DISSOLVED SOLIDS	MG/L	328	a	336	339		
TOTAL SETTLEABLE SOLIDS	MG/L	<0.5	a	<0.4	a		
TOTAL SUSPENDED SOLIDS	MG/L	10	a	15	17		
TOTAL HARDNESS AS CaCO3	MG/L	292	a	263	270		
OIL AND GREASE	MG/L	i	i	i	<2		
NITRITE	MG/L	<0.03	a	<0.03	a		
TOTAL, NITRATE/NITRITE	MG/L	0.1	a	0.09	a		
NITROGEN, AMMONIA	MG/L	<0.5	a	<0.5	a		
BICARBONATE AS HCO3	MG/L	334	a	308	342		
CARBONATE AS CO3	MG/L	16	a	9	7		
MAJOR CATIONS	MEQ/L	7.4	a	6.5	6.4		
MAJOR ANIONS	MEQ/L	7.1	a	6.8	6.9		
ACIDITY	MG/L	<10	a	<10	a		
ALKALINITY	MG/L	300	a	267	292		
ALUMINUM	MG/L	<1	a	<1	a		
ARSENIC	MG/L	<0.01	a	<0.01	a		
BARIUM	MG/L	a	a	a	a		
BORON	MG/L	0.2	a	0.2	a		
CADMIUM	MG/L	<0.01	a	<0.01	a		
CALCIUM	MG/L	51	a	46	44		
CHLORIDE	MG/L	3	a	2	2		
CHROMIUM	MG/L	a	a	a	a		
COPPER	MG/L	<0.1	a	<0.1	a		
IRON, DISSOLVED	MG/L	<0.1	a	<0.1	<0.1		
IRON, TOTAL	MG/L	0.2	a	0.4	0.5		
LEAD	MG/L	<0.1	a	<0.1	a		
MAGNESIUM	MG/L	40	a	36	39		
MANGANESE, DISSOLVED	MG/L	<0.1	a	<0.1	<0.1		
MANGANESE, TOTAL	MG/L	<0.1	a	<0.1	<0.1		
MERCURY	MG/L	a	a	a	a		
MOLYBDENUM	MG/L	<0.1	a	<0.1	a		
NICKEL	MG/L	a	a	a	a		
PHOSPHORUS, ORTHO-PO4	MG/L	<0.05	a	<0.05	a		
POTASSIUM	MG/L	19	a	1	2		
SELENIUM	MG/L	<0.01	a	<0.01	a		
SODIUM	MG/L	24	a	28	22		
SULFATE	MG/L	49	a	67	50		
ZINC	MG/L	0.03	a	<0.01	a		
CATION/ANION BALANCE	%	1.8	a	-2.2	-3.9		

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

9-21-00 DJ

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OK to update 10/20/2000

July 7, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ID:ST-3

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 17, 1999

Date received June 17, 1999

Rec'd 1400 hr.
Sampled 1200 hr.
FIELD MEASUREMENTS

pH	7.3
DO	15.1
Conductivity	500
Temperature	12.0°C

POSSIBLE MATRIX INTERFER. ON ALUMINUM AND ARSENIC.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-20012

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	06-22-1999 1330 KP
Alkalinity, Bicarbonate	308	5	mg/l as HCO_3	EPA 310.1	06-17-1999 1650 KP
Alkalinity, Carbonate	9	5	mg/l as CO_3	EPA 310.1	06-17-1999 1650 KP
Alkalinity, Total	267	5	mg/l as $CaCO_3$	EPA 310.1	06-17-1999 1650 KP
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	06-22-1999 1846 SC
Anions	6.8	----	meq/l	---------	06-24-1999 1130 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-21-1999 1130 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	06-23-1999 0730 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	06-22-1999 1547 SC
Calcium, Dissolved	46	1	mg/l	EPA 215.1	06-22-1999 1650 SC
Cations	6.5	----	meq/l	---------	06-24-1999 1130 RJ
Chloride	2	1	mg/l	EPA 300.0	06-18-1999 0800 MK
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	06-22-1999 1507 SC
Hardness, Total	263	----	mg/l as $CaCO_3$	SM2340-B	06-24-1999 1130 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	06-29-1999 0744 SC
Iron, Total	0.4	0.1	mg/l	EPA 236.1	06-29-1999 0744 SC
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	06-22-1999 1603 SC
Magnesium, Dissolved	36	1	mg/l	EPA 242.1	06-22-1999 1740 SC
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	06-22-1999 1041 SC
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-22-1999 1041 SC
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	06-22-1999 1905 SC
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	06-23-1999 0800 SC
Nitrogen, Nitrate-Nitrite	0.09	0.03	mg/l as N	EPA 300.0	06-18-1999 0800 MK
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	06-18-1999 0800 MK

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R.J. Cormier

Huntington Laboratory

MEMBER ACIL

9-21-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

July 7, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ID:ST-3

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 17, 1999

Date received June 17, 1999

Rec'd 1400 hr.
Sampled 1200 hr.

FIELD MEASUREMENTS

pH	7.3
DO	15.1
Conductivity	500
Temperature	12.0°C

POSSIBLE MATRIX INTERFER. ON ALUMINUM AND ARSENIC.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-20012

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Oil & Grease	<2	2	mg/l	EPA 413.1	07-06-1999 0830 SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	06-18-1999 0800 MK
Potassium, Dissolved	1	1	mg/l	EPA 258.1	06-22-1999 1238 SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-28-1999 0830 MK
Sodium, Dissolved	28	1	mg/l	EPA 273.1	06-22-1999 1330 SC
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	06-17-1999 1515 MK
Solids, Total Dissolved	336	10	mg/l	EPA 160.1	06-21-1999 1200 KP
Solids, Total Suspended	15	5	mg/l	EPA 160.2	06-21-1999 1200 KP
Sulfate	67	1	mg/l	EPA 300.0	06-18-1999 0800 MK
Zinc, Dissolved	<0.01	0.01	mg/l	EPA 289.1	06-22-1999 1528 SC
Cation/Anion Balance	-2.2	----	%		06-24-1999 1130 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

9-21-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-953-9300 FAX: 630-953-9306

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HUNTINGTON, UT 84528
TEL: (435) 653-2311
FAX: (435) 653-2436

May 25, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

ok to upload 10/20/2000 KR

Sample identification by

WEST RIDGE (STREAM)
ST-3

Kind of sample reported to us Water

Rec'd 1210 hr.
Sampled 1000 hr.

Sample taken at

Sample taken by

Date sampled April 22, 1999

Date received April 22, 1998

POSSIBLE MATRIX INTERFERENCE ON-BORON, ACIDITY, AND SELENIUM.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19816

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	04-26-1999 0800 KP
Alkalinity, Bicarbonate	334	5	mg/l as HCO_3	EPA 310.1	04-23-1999 1000 KP
Alkalinity, Carbonate	16	5	mg/l as CO_3	EPA 310.1	04-23-1999 1000 KP
Alkalinity, Total	300	5	mg/l as $CaCO_3$	EPA 310.1	04-23-1999 1000 KP
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	05-24-1999 1215 SC
Anions	7.1	----	meq/l	---------	05-25-1999 0930 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	04-27-1999 1015 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	05-20-1999 0630 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	05-24-1999 1515 SC
Calcium, Dissolved	51	1	mg/l	EPA 215.1	05-20-1999 1500 SC
Cations	7.4	----	meq/l	---------	05-25-1999 0930 RJ
Chloride	3	1	mg/l	EPA 300.0	04-23-1999 0929 SC
Conductivity	579	1	umhos/cm	SM2510-B	04-26-1999 1500 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	05-24-1999 1415 SC
Hardness, Total	292	----	mg/l as $CaCO_3$	SM2340-B	05-25-1999 0930 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	05-18-1999 1210 SC
Iron, Total	0.2	0.1	mg/l	EPA 236.1	05-18-1999 1147 SC
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	05-24-1999 1545 SC
Magnesium, Dissolved	40	1	mg/l	EPA 242.1	05-20-1999 1530 SC
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	05-20-1999 1045 SC
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	05-20-1999 1045 SC
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	05-24-1999 1315 SC
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	04-28-1999 0800 SC
Nitrogen, Nitrate-Nitrite	0.1	0.03	mg/l as N	EPA 300.0	04-23-1999 0929 SC

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormie

Huntington Laboratory

MEMBER ACIL

9-21-00 DT

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FAX: (435) 653-2436

May 25, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-3

Kind of sample reported to us Water

Rec'd 1210 hr.
Sampled 1000 hr.

Sample taken at

Sample taken by

Date sampled April 22, 1999

Date received April 22, 1998

POSSIBLE MATRIX INTERFERENCE ON-BORON, ACIDITY, AND SELENIUM.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19816

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	04-23-1999 0929	SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	04-23-1999 0929	SC
Potassium, Dissolved	19	1	mg/l	EPA 258.1	05-20-1999 1330	SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	04-27-1999 1300	MK
Sodium, Dissolved	24	1	mg/l	EPA 273.1	05-20-1999 1345	SC
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	04-22-1999 1230	MK
Solids, Total Dissolved	328	10	mg/l	EPA 160.1	04-27-1999 0800	KP
Solids, Total Suspended	10	5	mg/l	EPA 160.2	04-27-1999 0800	KP
Sulfate	49	1	mg/l	EPA 300.0	04-23-1999 0929	SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	05-24-1999 1500	SC
Cation/Anion Balance	1.8	----	%		05-25-1999 0930	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

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4-25-00 DJ

December 17, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 KW

Sample identification by

updated to DB 6/14/2000

WEST RIDGE (STREAM)
ST-3
UPPER WHITMORE
Rec'd 0944 hr.
Sampled 1300 hr.

FIELD MEASUREMENTS

pH	8.4
Conductivity	550
Temperature	46°F

Flow 0.4 CFS
D.O. 9.0

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19314

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	10-19-1998 1114 DL
Alkalinity, Bicarbonate	389	5	mg/l as HCO_3	SM2320-B	10-23-1998 1006 DL
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	10-23-1998 1006 DL
Alkalinity, Total	319	5	mg/l as $CaCO_3$	EPA 310.1	10-23-1998 1006 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	11-29-1998 0715 MK
Anions	7.5	----	meq/l	---------	11-30-1998 1000 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	12-10-1998
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	11-19-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	11-29-1998 1300 MK
Calcium, Dissolved	57	1	mg/l	EPA 215.1	11-29-1998 0845 MK
Cations	7.6	----	meq/l	---------	11-30-1998 1000 RJ
Chloride	3	1	mg/l	EPA 300.0	10-14-1998 1042 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	11-29-1998 1400 MK
Hardness, Total	319	----	mg/l as $CaCO_3$	SM2340-B	11-30-1998 1000 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	11-29-1998 1015 MK
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	11-29-1998 1015 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	11-29-1998 1315 MK
Magnesium, Dissolved	43	1	mg/l	EPA 242.1	11-29-1998 0930 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	11-29-1998 1100 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	11-29-1998 1100 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	11-29-1998 0800 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	11-10-1998 1100 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 300.0	10-14-1998 1042 SC
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	10-14-1998 1042 SC

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND M

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-953-9300 FAX: 630-953-9306

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FAX: (435) 653-2436

4-25-00 DJ

December 17, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-3
UPPER WHITMORE
Rec'd 0944 hr.
Sampled 1300 hr.
FIELD MEASUREMENTS
pH 8.4
Conductivity 550
Temperature 46°F

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19314

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Oil & Grease	<2	2	mg/l	SM5520-B	10-26-1998 0730 SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-14-1998 1042 SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	11-29-1998 1145 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	26	1	mg/l	EPA 273.1	11-29-1998 1215 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	10-15-1998 1140 MK
Solids, Total Dissolved	394	10	mg/l	EPA 160.1	10-15-1998 0609 DL
Solids, Total Suspended	5	5	mg/l	EPA 160.2	10-15-1998 0605 DL
Sulfate	49	1	mg/l	EPA 300.0	10-14-1998 0859 SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	11-29-1998 1415 MK
Cation/Anion Balance	0.6	----	%		11-30-1998 1000 RJ

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

DIVISION OF OIL, GAS AND MINING

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

4-25-00 DT

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 MW

Sample identification by updated L DB 6/14/2000

WEST RIDGE (STREAM)
ST-3
UPPER WHITMORE STREAM

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 26, 1998

Date received August 26, 1998

Rec'd 1500 hr.
Sampled 1045 hr.

pH - 8.4 D.O. - 9.0

Temp 12°C Flow - 1.2 CFS

Cond - 450

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18973

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	09-03-1998 0755	DL
Alkalinity, Bicarbonate	290	5	mg/l	as HCO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Carbonate	36	5	mg/l	as CO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Total	298	5	mg/l	as $CaCO_3$	EPA 310.1	09-03-1998 0925	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	09-14-1998 1430	MK
Anions	7.0	----	meq/l		---------	09-19-1998 1600	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-15-1998 0930	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	09-17-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	09-14-1998 0900	MK
Calcium, Dissolved	50	1	mg/l		EPA 215.1	09-14-1998 1300	MK
Cations	6.6	----	meq/l		---------	09-19-1998 1600	RJ
Chloride	3	1	mg/l		EPA 300.0	09-14-1998 1000	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	09-14-1998 0800	MK
Hardness, Total	281	----	mg/l	as $CaCO_3$	SM2340-B	09-19-1998 1600	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Iron, Total	3.5	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	09-14-1998 0915	MK
Magnesium, Dissolved	38	1	mg/l		EPA 242.1	09-14-1998 1330	MK
Manganese, Total	0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	09-14-1998 1530	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	09-01-1998 1300	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	08-27-1998 0838	SC
Nitrogen, Nitrite	<0.03	0.01	mg/l	as N	EPA 300.0	08-27-1998 0838	SC

INCORPORATED
EFFECTIVE:
APR 01 1000
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

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4-25-00 DJ

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-3
UPPER WHITMORE STREAM

Kind of sample reported to us Water

Sample taken at

Rec'd 1500 hr.
Sampled 1045 hr.

Sample taken by

Date sampled August 26, 1998

Date received August 26, 1998

NOTE:DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18973

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.03	0.01	mg/l as	EPA 300.0	08-27-1998 0838	SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	09-14-1998 1130	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500	MK
Sodium, Dissolved	21	1	mg/l	EPA 273.1	09-14-1998 1200	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	08-27-1998 0800	DL
Solids, Total Dissolved	366	10	mg/l	EPA 160.1	09-02-1998 0814	DL
Solids, Total Suspended	147	5	mg/l	EPA 160.2	09-02-1998 0814	DL
Sulfate	46	1	mg/l	EPA 300.0	09-15-1998 0900	SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	09-14-1998 0815	MK
Cation/Anion Balance	-3.0	----	%		09-19-1998 1600	RJ

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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9-21-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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OK to update 10/20/2000

July 7, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ID:ST-3

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 17, 1999

Date received June 17, 1999

Rec'd 1400 hr.
Sampled 1200 hr.
FIELD MEASUREMENTS

pH	7.3
DO	15.1
Conductivity	500
Temperature	12.0°C

POSSIBLE MATRIX INTERFER. ON ALUMINUM AND ARSENIC.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-20012

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	06-22-1999 1330 KP
Alkalinity, Bicarbonate	308	5	mg/l as HCO_3	EPA 310.1	06-17-1999 1650 KP
Alkalinity, Carbonate	9	5	mg/l as CO_3	EPA 310.1	06-17-1999 1650 KP
Alkalinity, Total	267	5	mg/l as $CaCO_3$	EPA 310.1	06-17-1999 1650 KP
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	06-22-1999 1846 SC
Anions	6.8	----	meq/l	---------	06-24-1999 1130 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-21-1999 1130 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	06-23-1999 0730 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	06-22-1999 1547 SC
Calcium, Dissolved	46	1	mg/l	EPA 215.1	06-22-1999 1650 SC
Cations	6.5	----	meq/l	---------	06-24-1999 1130 RJ
Chloride	2	1	mg/l	EPA 300.0	06-18-1999 0800 MK
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	06-22-1999 1507 SC
Hardness, Total	263	----	mg/l as $CaCO_3$	SM2340-B	06-24-1999 1130 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	06-29-1999 0744 SC
Iron, Total	0.4	0.1	mg/l	EPA 236.1	06-29-1999 0744 SC
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	06-22-1999 1603 SC
Magnesium, Dissolved	36	1	mg/l	EPA 242.1	06-22-1999 1740 SC
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	06-22-1999 1041 SC
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-22-1999 1041 SC
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	06-22-1999 1905 SC
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	06-23-1999 0800 SC
Nitrogen, Nitrate-Nitrite	0.09	0.03	mg/l as N	EPA 300.0	06-18-1999 0800 MK
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	06-18-1999 0800 MK

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R.J. Cormier

Huntington Laboratory

MEMBER ACIL

9-21-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

July 7, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ID:ST-3

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 17, 1999

Date received June 17, 1999

Rec'd 1400 hr.
Sampled 1200 hr.

FIELD MEASUREMENTS

pH	7.3
DO	15.1
Conductivity	500
Temperature	12.0°C

POSSIBLE MATRIX INTERFER. ON ALUMINUM AND ARSENIC.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-20012

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Oil & Grease	<2	2	mg/l	EPA 413.1	07-06-1999 0830 SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	06-18-1999 0800 MK
Potassium, Dissolved	1	1	mg/l	EPA 258.1	06-22-1999 1238 SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-28-1999 0830 MK
Sodium, Dissolved	28	1	mg/l	EPA 273.1	06-22-1999 1330 SC
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	06-17-1999 1515 MK
Solids, Total Dissolved	336	10	mg/l	EPA 160.1	06-21-1999 1200 KP
Solids, Total Suspended	15	5	mg/l	EPA 160.2	06-21-1999 1200 KP
Sulfate	67	1	mg/l	EPA 300.0	06-18-1999 0800 MK
Zinc, Dissolved	<0.01	0.01	mg/l	EPA 289.1	06-22-1999 1528 SC
Cation/Anion Balance	-2.2	----	%		06-24-1999 1130 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

9-21-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-953-9300 FAX: 630-953-9306

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HUNTINGTON, UT 84528
TEL: (435) 653-2311
FAX: (435) 653-2436

May 25, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

ok to upload 10/20/2000 KR

Sample identification by

WEST RIDGE (STREAM)
ST-3

Kind of sample reported to us Water

Rec'd 1210 hr.
Sampled 1000 hr.

Sample taken at

Sample taken by

Date sampled April 22, 1999

Date received April 22, 1998

POSSIBLE MATRIX INTERFERENCE ON-BORON, ACIDITY, AND SELENIUM.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19816

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	04-26-1999 0800 KP
Alkalinity, Bicarbonate	334	5	mg/l as HCO_3	EPA 310.1	04-23-1999 1000 KP
Alkalinity, Carbonate	16	5	mg/l as CO_3	EPA 310.1	04-23-1999 1000 KP
Alkalinity, Total	300	5	mg/l as $CaCO_3$	EPA 310.1	04-23-1999 1000 KP
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	05-24-1999 1215 SC
Anions	7.1	----	meq/l	---------	05-25-1999 0930 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	04-27-1999 1015 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	05-20-1999 0630 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	05-24-1999 1515 SC
Calcium, Dissolved	51	1	mg/l	EPA 215.1	05-20-1999 1500 SC
Cations	7.4	----	meq/l	---------	05-25-1999 0930 RJ
Chloride	3	1	mg/l	EPA 300.0	04-23-1999 0929 SC
Conductivity	579	1	umhos/cm	SM2510-B	04-26-1999 1500 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	05-24-1999 1415 SC
Hardness, Total	292	----	mg/l as $CaCO_3$	SM2340-B	05-25-1999 0930 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	05-18-1999 1210 SC
Iron, Total	0.2	0.1	mg/l	EPA 236.1	05-18-1999 1147 SC
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	05-24-1999 1545 SC
Magnesium, Dissolved	40	1	mg/l	EPA 242.1	05-20-1999 1530 SC
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	05-20-1999 1045 SC
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	05-20-1999 1045 SC
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	05-24-1999 1315 SC
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	04-28-1999 0800 SC
Nitrogen, Nitrate-Nitrite	0.1	0.03	mg/l as N	EPA 300.0	04-23-1999 0929 SC

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormie

Huntington Laboratory

MEMBER ACIL

9-21-00 DT

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FAX: (435) 653-2436

May 25, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-3

Kind of sample reported to us Water

Rec'd 1210 hr.
Sampled 1000 hr.

Sample taken at

Sample taken by

Date sampled April 22, 1999

Date received April 22, 1998

POSSIBLE MATRIX INTERFERENCE ON-BORON, ACIDITY, AND SELENIUM.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19816

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	04-23-1999 0929	SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	04-23-1999 0929	SC
Potassium, Dissolved	19	1	mg/l	EPA 258.1	05-20-1999 1330	SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	04-27-1999 1300	MK
Sodium, Dissolved	24	1	mg/l	EPA 273.1	05-20-1999 1345	SC
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	04-22-1999 1230	MK
Solids, Total Dissolved	328	10	mg/l	EPA 160.1	04-27-1999 0800	KP
Solids, Total Suspended	10	5	mg/l	EPA 160.2	04-27-1999 0800	KP
Sulfate	49	1	mg/l	EPA 300.0	04-23-1999 0929	SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	05-24-1999 1500	SC
Cation/Anion Balance	1.8	----	%		05-25-1999 0930	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

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4-25-00 DJ

December 17, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 KW

Sample identification by

updated to DB 6/14/2000

WEST RIDGE (STREAM)
ST-3
UPPER WHITMORE
Rec'd 0944 hr.
Sampled 1300 hr.

FIELD MEASUREMENTS

pH	8.4
Conductivity	550
Temperature	46°F

Flow 0.4 CFS
D.O. 9.0

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19314

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	10-19-1998 1114 DL
Alkalinity, Bicarbonate	389	5	mg/l as HCO_3	SM2320-B	10-23-1998 1006 DL
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	10-23-1998 1006 DL
Alkalinity, Total	319	5	mg/l as $CaCO_3$	EPA 310.1	10-23-1998 1006 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	11-29-1998 0715 MK
Anions	7.5	----	meq/l	---------	11-30-1998 1000 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	12-10-1998
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	11-19-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	11-29-1998 1300 MK
Calcium, Dissolved	57	1	mg/l	EPA 215.1	11-29-1998 0845 MK
Cations	7.6	----	meq/l	---------	11-30-1998 1000 RJ
Chloride	3	1	mg/l	EPA 300.0	10-14-1998 1042 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	11-29-1998 1400 MK
Hardness, Total	319	----	mg/l as $CaCO_3$	SM2340-B	11-30-1998 1000 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	11-29-1998 1015 MK
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	11-29-1998 1015 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	11-29-1998 1315 MK
Magnesium, Dissolved	43	1	mg/l	EPA 242.1	11-29-1998 0930 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	11-29-1998 1100 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	11-29-1998 1100 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	11-29-1998 0800 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	11-10-1998 1100 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 300.0	10-14-1998 1042 SC
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	10-14-1998 1042 SC

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND M

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-953-9300 FAX: 630-953-9306

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FAX: (435) 653-2436

4-25-00 DJ

December 17, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-3
UPPER WHITMORE
Rec'd 0944 hr.
Sampled 1300 hr.
FIELD MEASUREMENTS
pH 8.4
Conductivity 550
Temperature 46°F

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 13, 1998

Date received October 14, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19314

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Oil & Grease	<2	2	mg/l	SM5520-B	10-26-1998 0730 SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-14-1998 1042 SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	11-29-1998 1145 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	26	1	mg/l	EPA 273.1	11-29-1998 1215 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	10-15-1998 1140 MK
Solids, Total Dissolved	394	10	mg/l	EPA 160.1	10-15-1998 0609 DL
Solids, Total Suspended	5	5	mg/l	EPA 160.2	10-15-1998 0605 DL
Sulfate	49	1	mg/l	EPA 300.0	10-14-1998 0859 SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	11-29-1998 1415 MK
Cation/Anion Balance	0.6	----	%		11-30-1998 1000 RJ

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

DIVISION OF OIL, GAS AND MINING

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

4-25-00 DT

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 MW

Sample identification by updated L DB 6/14/2000

WEST RIDGE (STREAM)
ST-3
UPPER WHITMORE STREAM

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 26, 1998

Date received August 26, 1998

Rec'd 1500 hr.
Sampled 1045 hr.

pH - 8.4 D.O. - 9.0

Temp 12°C Flow - 1.2 CFS

Cond - 450

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18973

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	09-03-1998 0755	DL
Alkalinity, Bicarbonate	290	5	mg/l	as HCO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Carbonate	36	5	mg/l	as CO_3	SM2320-B	09-03-1998 0925	DL
Alkalinity, Total	298	5	mg/l	as $CaCO_3$	EPA 310.1	09-03-1998 0925	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	09-14-1998 1430	MK
Anions	7.0	----	meq/l		---------	09-19-1998 1600	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	09-15-1998 0930	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	09-17-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	09-14-1998 0900	MK
Calcium, Dissolved	50	1	mg/l		EPA 215.1	09-14-1998 1300	MK
Cations	6.6	----	meq/l		---------	09-19-1998 1600	RJ
Chloride	3	1	mg/l		EPA 300.0	09-14-1998 1000	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	09-14-1998 0800	MK
Hardness, Total	281	----	mg/l	as $CaCO_3$	SM2340-B	09-19-1998 1600	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Iron, Total	3.5	0.1	mg/l		EPA 236.1	09-14-1998 0945	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	09-14-1998 0915	MK
Magnesium, Dissolved	38	1	mg/l		EPA 242.1	09-14-1998 1330	MK
Manganese, Total	0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1998 1045	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	09-14-1998 1530	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	09-01-1998 1300	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	08-27-1998 0838	SC
Nitrogen, Nitrite	<0.03	0.01	mg/l	as N	EPA 300.0	08-27-1998 0838	SC

INCORPORATED
EFFECTIVE:
APR 01 1000
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

4-25-00 DJ

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-3
UPPER WHITMORE STREAM

Kind of sample reported to us Water

Sample taken at

Rec'd 1500 hr.
Sampled 1045 hr.

Sample taken by

Date sampled August 26, 1998

Date received August 26, 1998

NOTE:DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18973

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.03	0.01	mg/l as	EPA 300.0	08-27-1998 0838	SC
Potassium, Dissolved	2	1	mg/l	EPA 258.1	09-14-1998 1130	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500	MK
Sodium, Dissolved	21	1	mg/l	EPA 273.1	09-14-1998 1200	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	08-27-1998 0800	DL
Solids, Total Dissolved	366	10	mg/l	EPA 160.1	09-02-1998 0814	DL
Solids, Total Suspended	147	5	mg/l	EPA 160.2	09-02-1998 0814	DL
Sulfate	46	1	mg/l	EPA 300.0	09-15-1998 0900	SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	09-14-1998 0815	MK
Cation/Anion Balance	-3.0	----	%		09-19-1998 1600	RJ

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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4-25-00 DJ

August 6, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 K

Sample identification by
ANDALEX RESOURCES

updated to DB 6/14/2000

ST-3
WHITMORE BELOW HANG ROCK

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 22, 1998

Date received June 23, 1998

Rec'd 0900 hr.
Sampled 1130 hr.

FIELD MEASUREMENTS

Ph	8.7
Do	10.8
Conductivity	470
Temperature	14°C

NOTE: AMENDED Na
NOTE:DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18711

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	06-30-1998 1500 DL
Alkalinity, Bicarbonate	404	5	mg/l as HCO_3	SM2320-B	06-30-1998 0903 DL
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	06-30-1998 0906 DL
Alkalinity, Total	331	5	mg/l as $CaCO_3$	EPA 310.1	06-30-1998 0903 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	07-13-1998 1551 MK
Anions	7.9	----	meq/l	---------	07-27-1998 1430 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-29-1998 1415 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	07-09-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	07-13-1998 0859 MK
Calcium, Dissolved	54	1	mg/l	EPA 215.1	07-13-1998 1348 MK
Cations	6.7	----	meq/l	---------	07-27-1998 1430 RJ
Chloride	4	1	mg/l	SM4500-Cl-B	07-10-1998 0822 DL
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	07-13-1998 0732 MK
Hardness, Total	291	----	mg/l as $CaCO_3$	SM2340-B	07-27-1998 1430 RJ
Iron, Total	0.4	0.1	mg/l	EPA 236.1	07-06-1998 0730 MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	07-13-1998 1006 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	07-13-1998 0911 MK
Magnesium, Dissolved	38	1	mg/l	EPA 242.1	07-13-1998 1445 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	07-06-1998 0815 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	07-13-1998 1105 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	07-13-1998 1650 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	07-10-1998 [illegible] SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.2	07-09-1998 0800 SC
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	06-24-1998 0800 SC

INCORPORATED
EFFECTIVE:
APR 01 1000

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Scott

UTAH DIVISION OIL, GAS AND MI

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

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4-25-00 DJ

August 6, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ST-3
WHITMORE BELOW HANG ROCK

Rec'd 0900 hr.
Sampled 1130 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 22, 1998

Date received June 23, 1998

FIELD MEASUREMENTS

Ph	8.7
Do	10.8
Conductivity	470
Temperature	14°C

NOTE: AMENDED Na
NOTE:DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18711

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	0.03	0.01	mg/l as P	SM4500-P-E	06-23-1998 1415 MK
Potassium, Dissolved	2	1	mg/l	EPA 258.1	07-13-1998 1149 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-29-1998 1015 MK
Sodium, Dissolved	19	1	mg/l	EPA 273.1	07-13-1998 1242 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	06-23-1998 1200 SC
Solids, Total Dissolved	363	10	mg/l	EPA 160.1	06-24-1998 0900 SC
Solids, Total Suspended	26	5	mg/l	EPA 160.2	06-24-1998 0900 SC
Sulfate	58	25	mg/l	EPA 375.4	07-08-1998 0838 DL
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	07-13-1998 0816 MK
Cation/Anion Balance	-8.5	----	%		07-27-1998 1430 RJ

INCORPORATED
EFFECTIVE:
APR 01 1900
UTAH DIVISION OF OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Brown

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

4-25-00 DJ

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June 15, 1998

ANDALEX RESOURCES
P.O. Box 902
Price UT 84501

OK for EDI 6/14/2000 HW

Sample identification by
ANDALEX RESOURCES

updated to DB 6/14/2000

ST-3 UPPER WHITMORE

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled April 28, 1998

Date received April 29, 1998

Rec'd 0920 hr.
Sampled 1500 hr.

Temp 10°C
pH - 9.0
Cond - 380

D.O. - 9.0
Flow - 3.8 cfs

Note: TSS Analyzed at Timpview Labs
Note: Dissolved metals filtered at lab

Analysis report no. 59-18431

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	16	10	mg/l	as $CaCO_3$	D1067-92	05-01-1998 1100	SC
Alkalinity, Bicarbonate	330	5	mg/l	as HCO_3	SM2320-B	05-12-1998 0900	SC
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	05-12-1998 0900	SC
Alkalinity, Total	298	5	mg/l	as $CaCO_3$	EPA 310.1	05-12-1998 0900	SC
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	05-04-1998 0945	MK
Anions	6.2	----	meq/l		---------	05-20-1998 1215	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	05-06-1998 0930	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	05-07-1998 0815	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	05-05-1998 0900	MK
Calcium, Dissolved	56	1	mg/l		EPA 215.1	05-04-1998 1115	MK
Cations	6.7	----	meq/l		---------	05-20-1998 1215	RJ
Chloride	1	1	mg/l		SM4500-Cl-B	05-05-1998 1135	SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	05-05-1998 0815	MK
Hardness, Total	292	----	mg/l	as $CaCO_3$	SM2340-B	05-20-1998 1215	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	05-05-1998 0615	MK
Iron, Total	1.0	0.1	mg/l		EPA 236.1	05-01-1998 0630	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	05-05-1998 0915	MK
Magnesium, Dissolved	37	1	mg/l		EPA 242.1	05-04-1998 1130	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	05-01-1998 0700	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	05-05-1998 0630	MK
Molybdenum, Dissolved	DJ <0.1	0.1	mg/l		EPA 246.1	05-04-1998 1030	MK
Nitrogen, Ammonia	<0.5 → 0.2	0.5	mg/l	as N	EPA 350.3	05-22-1998 1200	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 353.3	05-22-1998 0600	SC
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	04-30-1998 0815	SC

INCORPORATED
EFFECTIVE
APR 01 1999
UTAH DIVISION OF OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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Huntington Laboratory

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4-25-00 DJ

June 15, 1998

ANDALEX RESOURCES
P.O. Box 902
Price UT 84501

Sample identification by
ANDALEX RESOURCES

ST-3 UPPER WHITMORE

Kind of sample reported to us Water

Rec'd 0920 hr.
Sampled 1500 hr.

Sample taken at Andalex

Sample taken by Andalex

Date sampled April 28, 1998

Date received April 29, 1998

Note: TSS Analyzed at Timpview Labs
Note: Dissolved metals filtered at lab

Analysis report no. 59-18431

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.08	0.01	mg/l as P	SM4500-P-E	04-30-1998 0730	MK
Potassium, Dissolved	2	1	mg/l	EPA 258.1	05-05-1998 0700	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	05-06-1998 1200	MK
Sodium, Dissolved	19	1	mg/l	EPA 273.1	05-05-1998 0715	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	04-30-1998 0700	MK
Solids, Total Dissolved	355	10	mg/l	EPA 160.1	04-29-1998 0845	SC
Solids, Total Suspended	48	4	mg/l	EPA 160.2	05-01-1998 0900	
Sulfate	39	10	mg/l	EPA 375.4	05-04-1998 1200	SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	05-05-1998 0830	MK
Cation/Anion Balance	3.6	----	%		05-20-1998 1215	RJ

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OIL, GAS AND MINING

Larry Stout

Huntington Laboratory

MEMBER ACIL

ANDALEX RESOURCES, INC. WEST RIDGE PROJECT
BASELINE WATER MONITORING REPORT - 1997
FIELD PARAMETERS

STREAM SITE ST-3

Stream Location: Upper Whitmore Canyon below Hanging Rock, T 14 S, R 13 E, Section 34, SE¼NW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temper-ature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
05/05/97	1030	9.0	570	6	10.4	4.6	Some snow on banks and upland area; flow turbid; no oil sheen; sampled
05/28/97	1100	8.6	510	7	9.5	5.3	No oil sheen; not sampled
06/25/97	1215	6.5	490	16	8.5	2.1	No oil sheen; sampled
07/22/97	1100	8.7	540	15	9.8	0.7	No oil sheen; not sampled
08/18/97	1115	8.7	510	13	10	0.5	No oil sheen; sampled
09/17/97	1015	8.8	510	10	10	0.4	No oil sheen; not sampled
10/01/97	1105	8.7	500	10	10.1	0.4	No oil sheen; sampled
Maximum Value		9	570	16	10.4	5.3	
Minimum Value		6.5	490	6	8.5	0.4	
Average		8.4	519	11.0	9.8	2.0	
Standard Deviation		0.86	27.34	3.83	0.62	2.11	
Count		7	7	7	7	7	

updated to DB 6/14/2000 KW

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4-12-00 DS

November 13, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for ED 1 6/14/2000 jm

Sample identification by
ANDALEX RESOURCES

updated + DB 6/14/2000 jm

ST-3

Rec'd 1545 hr.
Sampled 1105 hr.

Temp 10°C
pH 8.7
D.O. 10.1
Cond - 500
Flow - 0.4

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled October 1, 1997

Date received October 1, 1997

NOTE: Sulfate expired when analyzed! due to rerun for charge balance
NOTE: Dissolved boron filtered at lab!

Analysis report no. 59-17835

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	10-03-1997 1300 SC
Alkalinity, Bicarbonate	365	5	mg/l as HCO_3	SM2320-B	10-09-1997 0800 SC
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	10-09-1997 0800 SC
Alkalinity, Total	302	5	mg/l as $CaCO_3$	EPA 310.1	10-09-1997 0800 SC
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	10-07-1997 0145 MK
Anions	7.0	----	meq/l	---------	11-12-1997 1400 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	10-02-1997 0230 MK
Boron, Dissolved	<0.1	0.1	mg/l	EPA 212.3	10-07-1997 1930 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	10-06-1997 0715 MK
Calcium, Dissolved	54	1	mg/l	EPA 215.1	10-07-1997 0030 MK
Cations	7.1	----	meq/l	---------	11-12-1997 1400 RJ
Chloride	3	1	mg/l	SM4500-Cl-B	10-13-1997 0800 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	10-06-1997 0600 MK
Hardness, Total	304	----	mg/l as $CaCO_3$	SM2340-B	11-12-1997 1400 RJ
Iron, Total	0.1	0.1	mg/l	EPA 236.1	10-06-1997 2245 MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	10-06-1997 2245 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	10-06-1997 0730 MK
Magnesium, Dissolved	41	1	mg/l	EPA 242.1	10-07-1997 0100 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	10-06-1997 2315 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	10-06-1997 2315 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	10-07-1997 0245 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	10-20-1997 0930 RJ
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.3	10-09-1997 0700 JC
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	10-03-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1998

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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FAX: (801) 653-2436

4-12-00 DG

November 13, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ST-3

Rec'd 1545 hr.
Sampled 1105 hr.

Kind of **sample** reported to us: Water

Sample **taken at**: Andalex

Sample **taken by**: Andalex

Date **sampled**: October 1, 1997

Date received: October 1, 1997

NOTE: Sulfate expired when analyzed! due to rerun for charge balance
NOTE: Dissolved boron filtered at lab!

Analysis report no. 59-17835

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.03	0.01	mg/l as P	SM4500-P-E	10-03-1997 0700	JC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	10-06-1997 2330	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	10-03-1997 0145	MK
Sodium, Dissolved	23	1	mg/l	EPA 273.1	10-07-1997 0000	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	10-03-1997 0130	MK
Solids, Total Dissolved	350	10	mg/l	EPA 160.1	10-07-1997 0700	JC
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	10-07-1997 0700	JC
Sulfate	43	10	mg/l	EPA 375.4	11-12-1997 0900	SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	10-06-1997 0630	MK
Cation/Anion Balance	0.9	----	%		11-12-1997 1400	RJ

INCORPORATED
EFFECTIVE:
APR 01 1998

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

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4-12-00 DJ

September 25, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 KW

Sample identification by
ANDALEX RESOURCES

ANDALEX WEST RIDGE
ST-3

updated to DB 6/14/2000

Rec'd 0945 hr.
Sampled 1115 hr.

Kind of sample reported to us Water

Sample taken at

Sample taken by Andalex

Date sampled August 18, 1997

Date received August 19, 1997

pH - 8.7 D.O. 10.0
Cond - 510 Flow - 0.5
Temp - 13°C

Dissolved Boron filtered at lab!

Analysis report no. 59-17641

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	08-27-1997 1100 SC
Alkalinity, Bicarbonate	330	5	mg/l as HCO_3	SM2320-B	09-03-1997 0900 SC
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	09-03-1997 0900 SC
Alkalinity, Total	270	5	mg/l as $CaCO_3$	EPA 310.1	09-03-1997 0900 SC
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	09-18-1997 0415 MK
Anions	6.6	----	meq/l	---------	09-18-1997 1200 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	08-24-1997 0930 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	08-30-1997 0345 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	09-18-1997 0015 MK
Calcium, Dissolved	50	1	mg/l	EPA 215.1	09-18-1997 0300 MK
Cations	7.0	----	meq/l	---------	09-18-1997 1200 RJ
Chloride	6	1	mg/l	SM4500-Cl-B	09-05-1997 0800 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	09-17-1997 2330 MK
Hardness, Total	298	----	mg/l as $CaCO_3$	SM2340-B	09-18-1997 1200 RJ
Iron, Total	0.2	0.1	mg/l	EPA 236.1	09-18-1997 0115 MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-18-1997 0115 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	09-18-1997 0030 MK
Magnesium, Dissolved	42	1	mg/l	EPA 242.1	09-18-1997 0330 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	09-18-1997 0130 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	09-18-1997 0130 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	09-18-1997 0445 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	09-15-1997 0900 RJ
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.3	08-27-1997 0400 AR
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	08-19-1997 1200 JC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

Utah Division Oil, Gas And Mining

MEMBER ACIL

4-12-00 DT

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September 25, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ANDALEX WEST RIDGE
ST-3

Rec'd 0945 hr.
Sampled 1115 hr.

Kind of sample reported to us Water

Sample taken at

Sample taken by Andalex

Date sampled August 18, 1997

Date received August 19, 1997

Dissolved Boron filtered at lab!

Analysis report no. 59-17641

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.03	0.01	mg/l as P	SM4500-P-E	08-19-1997 1145	RJ
Potassium, Dissolved	2	1	mg/l	EPA 258.1	09-18-1997 0200	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	08-24-1997 1300	MK
Sodium, Dissolved	24	1	mg/l	EPA 273.1	09-18-1997 0215	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	08-25-1997 0900	SC
Solids, Total Dissolved	340	10	mg/l	EPA 160.1	08-25-1997 0700	JC
Solids, Total Suspended	12	5	mg/l	EPA 160.2	08-20-1997 1000	JC
Sulfate	47	25	mg/l	EPA 375.4	09-11-1997 1255	SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	09-17-1997 2345	MK
Cation/Anion Balance	3.6	----	%		09-18-1997 1200	RJ

INCORPORATED
EFFECTIVE:
APR 01 1000

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

UTAH DIVISION OIL, GAS AND MINING

MEMBER ACIL

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

STREAM SITE ST-3

Stream Location: Upper Whitmore Canyon below Hanging Rock, T 14 S, R 13 E, Section 34, SE¼NW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
04/28/98	1500	9.0	380	10	9.0	3.8	No oil sheen; sampled
05/19/98	1130	8.8	390	9	10.2	+/- 40	No oil sheen; not sampled; flow too high to wade
06/22/98	1130	8.7	470	14	10.8	4.4	No oil sheen; sampled
07/28/98	1415	8.6	460	14	9.0	2.2	No oil sheen; not sampled
08/26/98	1045	8.4	450	12	9.0	1.2	No oil sheen; sampled
09/29/98	1015	8.6	420	9	9.0	0.5	No oil sheen; not sampled
10/13/98	1300	8.4	550	8	9.0	0.4	No oil sheen; sampled
Maximum Value		9	550	14	10.8	40.0	
Minimum Value		8.4	380	8	9	0.4	
Average		8.6	446	10.9	9.4	7.5	
Standard Deviation		0.21	57.40	2.48	0.75	14.41	
Count		7	7	7	7	7	

OK

OK

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

updates & DB
6/14/2000

4-25-00 DT

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4-11-00 DT

July 30, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 lhw

Sample identification by
ANDALEX RESOURCES

ID: West Ridge ST-3

updated to DB 6/14/2000

Rec'd 1500 hr.
Sampled 1215 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 25, 1997

Date received June 25, 1997

pH - 6.5 D.O. 7.5
Cond 490 Flow - 2.1 CFS
Temp - 16°C

NOTE: Dissolved Boron filtered at lab!

Analysis report no. 59-17383

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	06-28-1997 2235	RJ
Alkalinity, Bicarbonate	328	5	mg/l	as HCO_3	SM2320-B	06-28-1997 1715	RJ
Alkalinity, Carbonate	11	5	mg/l	as CO_3	SM2320-B	06-28-1997 1715	RJ
Alkalinity, Total	286	5	mg/l	as $CaCO_3$	EPA 310.1	06-28-1997 1715	JC
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	07-29-1997 1315	MK
Anions	6.7	----	meq/l		---------	07-30-1997 1800	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	07-24-1997 0730	MK
Boron, Dissolved	<0.1	0.1	mg/l		EPA 212.3	07-16-1997 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	07-29-1997 0900	MK
Calcium, Dissolved	50	1	mg/l		EPA 215.1	07-29-1997 1215	MK
Cations	6.6	----	meq/l		---------	07-30-1997 1800	RJ
Chloride	4	1	mg/l		SM4500-Cl-B	07-02-1997 1400	RJ
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	07-29-1997 0800	MK
Hardness, Total	281	----	mg/l	as $CaCO_3$	SM2340-B	07-30-1997 1800	RJ
Iron, Total	0.6	0.1	mg/l		EPA 236.1	07-29-1997 1000	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	07-29-1997 1000	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	07-29-1997 0910	MK
Magnesium, Dissolved	38	1	mg/l		EPA 242.1	07-29-1997 1230	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	07-29-1997 1015	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	07-29-1997 1015	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	07-29-1997 1500	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	07-21-1997 1000	RJ
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 353.3	07-17-1997 0500	AR
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	06-27-1997 0700	JC

INCORPORATED
EFFECTIVE: APR 01 1996

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

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July 30, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ID: West Ridge ST-3

Rec'd 1500 hr.
Sampled 1215 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 25, 1997

Date received June 25, 1997

NOTE:Dissolved Boron filtered at lab!

Analysis report no. 59-17383

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	0.03	0.01	mg/l as P	SM4500-P-E	06-25-1997 1840 RJ
Potassium, Dissolved	2	1	mg/l	EPA 258.1	07-29-1997 1115 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	07-24-1997 1115 MK
Sodium, Dissolved	21	1	mg/l	EPA 273.1	07-29-1997 1130 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	06-25-1997 1715 RJ
Solids, Total Dissolved	360	10	mg/l	EPA 160.1	06-30-1997 0730 JC
Solids, Total Suspended	53	5	mg/l	EPA 160.2	06-30-1997 0730 JC
Sulfate	39	10	mg/l	EPA 375.4	07-15-1997 0800 SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	07-29-1997 0815 MK
Cation/Anion Balance	0.6	----	%		07-30-1997 1800 RJ

INCORPORATED
EFFECTIVE:
APR 01 1996

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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4-11-00 DT

May 29, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 KW

Sample identification by
ANDALEX RESOURCES

updated to DB 6/14/2000 KW

ID: West Ridge ST-3

Rec'd 1300 hr.
Sampled 1030 hr.

pH - 9.0 Flow 4.6 cfs
Temp. 6°C D.O. - 10.4
Cond - 570

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 5, 1997

Date received May 5, 1997

Dissolved Boron filtered at lab!

Analysis report no. 59-17132

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/1	as $CaCO_3$	D1067-92	05-06-1997 0700	SW
Alkalinity, Bicarbonate	350	5	mg/1	as HCO_3	SM2320-B	05-06-1997 0900	SW
Alkalinity, Carbonate	<5	5	mg/1	as CO_3	SM2320-B	05-06-1997 0900	SW
Alkalinity, Total	287	5	mg/1	as $CaCO_3$	EPA 310.1	05-06-1997 0900	SW
Aluminum, Dissolved	<1	1	mg/1		EPA 202.1	05-09-1997 1115	MK
Anions	7.0	----	meq/1		---------	05-13-1997 1230	RJ
Arsenic, Dissolved	<0.01	0.01	mg/1		EPA 206.2	05-20-1997 0815	MK
Barium, Dissolved	<1	1	mg/1		EPA 208.1	05-22-1997 0110	MK
Boron, Dissolved	0.2	.1	mg/1		EPA 212.3	05-16-1997 0630	MK
Cadmium, Dissolved	<0.01	0.01	mg/1		EPA 213.1	05-09-1997 1000	MK
Calcium, Dissolved	59	1	mg/1		EPA 215.1	05-08-1997 1130	MK
Cations	6.5	----	meq/1		---------	05-13-1997 1230	RJ
Chloride	3	1	mg/1		SM4500-Cl-B	05-06-1997 1330	SW
Chromium, Dissolved	<0.1	0.1	mg/1		EPA 218.1	05-22-1997 1045	MK
Conductivity	571	1	umhos/cm		SM2510-B	05-06-1997 1430	SW
Copper, Dissolved	<0.1	0.1	mg/1		EPA 220.1	05-09-1997 0900	MK
Hardness, Total	287	----	mg/1	as $CaCO_3$	SM2340-B	05-13-1997 1230	RJ
Iron, Total	4.2	0.1	mg/1		EPA 236.1	05-08-1997 0815	MK
Iron, Dissolved	<0.1	0.1	mg/1		EPA 236.1	05-08-1997 0815	MK
Lead, Dissolved	<0.1	0.1	mg/1		EPA 239.1	05-09-1997 1030	MK
Magnesium, Dissolved	34	1	mg/1		EPA 242.1	05-08-1997 1145	MK
Manganese, Total	<0.1	0.1	mg/1		EPA 243.1	05-08-1997 0915	MK
Manganese, Dissolved	<0.1	0.1	mg/1		EPA 243.1	05-08-1997 0915	MK
Mercury, Dissolved	<0.2	0.2	ug/1		EPA 245.1	05-13-1997 0700	MK

INCORPORATED
EFFECTIVE:
APR 01 100

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Stout

Huntington Laboratory

UTAH DIVISION OIL, GAS AND MINING

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May 29, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ID: West Ridge ST-3

Rec'd 1300 hr.
Sampled 1030 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 5, 1997

Date received May 5, 1997

Dissolved Boron filtered at lab!

Analysis report no. 59-17132

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	05-09-1997 1215 MK
Nickel, Dissolved	<0.1	0.1	mg/l	EPA 249.1	05-22-1997 1000 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	05-19-1997 1000 RJ
Nitrogen, Nitrate-Nitrite	0.4	0.1	mg/l as N	EPA 353.3	05-08-1997 0700 JC
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	05-06-1997 1200 JC
Phosphorous, Ortho-PO_4	0.05	0.01	mg/l as P	SM4500-P-E	05-06-1997 1000 JC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	05-08-1997 1030 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	05-20-1997 1045 MK
Sodium, Dissolved	16	1	mg/l	EPA 273.1	05-08-1997 1045 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	05-05-1997 1315 SW
Solids, Total Dissolved	350	10	mg/l	EPA 160.1	05-05-1997 0700 JC
Solids, Total Suspended	209	5	mg/l	EPA 160.2	05-05-1997 0700 JC
Sulfate	59	32	mg/l	EPA 375.4	05-12-1997 0900 RJ
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	05-09-1997 0915 MK
Cation/Anion Balance	4.3	----	%		05-13-1997 1230 RJ

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OIL, GAS AND MINING
Larry Smith
Huntington Laboratory RJ

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

STREAM SITE ST-4

Stream Location: Lower Bear Creek, ephemeral site, T 14 S, R 13 E, Section 17, NE¼NE¼

Date	Time	pH (std. units)	Conductivity (μS)	Temper-ature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
05/21/98	0900					0	Recent runoff ; area wet from yesterday's rain/runoff
06/19/98	1200					0	No sign of recent flow
07/20/98	0700					0	No sign of significant flow since last visit
08/31/98	0915					0	Dry
09/15/98	0800					0	Dry
10/29/98							Can't gain access to road turnoff due to construction
Maximum Value							
Minimum Value							
Average							
Standard Deviation							
Count						5	

OK for ED1 6/14/2000 KW

updated 6/14/2000 KW

4-26-00 DT

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

ANDALEX RESOURCES, INC. WEST RIDGE PROJECT
BASELINE WATER MONITORING REPORT - 1997
FIELD PARAMETERS

STREAM SITE ST-4

Stream Location: Lower Bear Creek, ephemeral site, T 14 S, R 13 E, Section 17, NE¼NE¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
05/27/97	1500					0	Recent storm runoff apparent
06/04/97	1400					0	No sign of flow since last visit
06/26/97	1230					0	No sign of flow since last visit
07/29/97	1330					0	No sign of flow since last visit
08/25/97	0900					0	No sign of flow since last visit
09/22/97	0845					0	Small amount of runoff, probably from previous day
10/22/97	1000					0	Recent moderate runoff event
Maximum Value							
Minimum Value							
Average							
Standard Deviation							
Count							

UTAH DIVISION OIL, GAS AND MINING
INCORPORATED
EFFECTIVE:
APR 01 1990

entered to EDI - 6/14/2000 KW
OK for EDI 6/14/2000 KW
updated 6/14/2000 KW

10-11-00 DJT

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September 21, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000 KR

Sample identification by

WEST RIDGE (STREAM)
ID:ST-5A

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled September 3, 1999

Date received September 7, 1999

Rec'd 0945 hr.
Sampled 1345 hr.
FIELD MEASUREMENTS
pH 6.9
Conductivity 600
Temperature 20.0°C

CB<-10 DUE TO HIGH TSS LEACHING BICARBONATE.
HNO3 BOTTLE PRESERVED AT LAB.
DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-20468

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	1435	5	mg/l	as HCO_3	EPA 310.1	09-10-1999 0830	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	09-10-1999 0830	KP
Alkalinity, Total	1177	5	mg/l	as $CaCO_3$	EPA 310.1	09-10-1999 0830	KP
Anions	28.6	----	meq/l		---------	09-20-1999 0830	RJ
Calcium, Dissolved	76	1	mg/l		EPA 215.1	09-15-1999 1425	SC
Cations	5.9	----	meq/l		---------	09-20-1999 0830	RJ
Chloride	2	1	mg/l		EPA 300.0	09-09-1999 0733	MK
Hardness, Total	272	----	mg/l	as $CaCO_3$	SM2340-B	09-20-1999 0830	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1999 1300	SC
Iron, Total	155.0	10.0	mg/l		EPA 236.1	09-14-1999 1300	SC
Magnesium, Dissolved	20	1	mg/l		EPA 242.1	09-15-1999 1540	SC
Manganese, Total	3.3	0.1	mg/l		EPA 243.1	09-14-1999 1515	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1999 1500	SC
Potassium, Dissolved	3	1	mg/l		EPA 258.1	09-15-1999 0920	SC
Sodium, Dissolved	8	1	mg/l		EPA 273.1	09-15-1999 1035	SC
Solids, Total Dissolved	450	10	mg/l		EPA 160.1	09-09-1999 0700	KP
Solids, Total Suspended	10320	100	mg/l		EPA 160.2	09-09-1999 0700	KP
Sulfate	241	5	mg/l		EPA 300.0	09-09-1999 0733	MK
Cation/Anion Balance	-66.0	----	%			09-20-1999 0830	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R. A. Cormier

Huntington Laboratory

MEMBER ACIL

10-11-00 DJ

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September 21, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

ok to update 10/20/00

Sample identification by

WEST RIDGE (STREAM)
ID:ST-5B

Kind of sample reported to us: Water

Rec'd 0945 hr.
Sampled 1345 hr.

Time set @ 1355

FIELD MEASUREMENTS

pH	6.9
Conductivity	470
Temperature	20.0°C

Sample taken at

Sample taken by

Date sampled September 3, 1999

Date received September 7, 1999

CB<-10 DUE TO HIGH TSS LEACHING BICARBONATE.
HNO3 BOTTLE PRESERVED AT LAB.
DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-20469

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	1304	5	mg/l	as HCO_3	EPA 310.1	09-10-1999 0830	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	09-10-1999 0830	KP
Alkalinity, Total	1069	5	mg/l	as $CaCO_3$	EPA 310.1	09-10-1999 0830	KP
Anions	24.9	----	meq/l		---------	09-20-1999 0830	RJ
Calcium, Dissolved	60	1	mg/l		EPA 215.1	09-15-1999 1425	SC
Cations	4.6	----	meq/l		---------	09-20-1999 0830	RJ
Chloride	2	1	mg/l		EPA 300.0	09-09-1999 0733	MK
Hardness, Total	207	----	mg/l	as $CaCO_3$	SM2340-B	09-20-1999 0830	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1999 1300	SC
Iron, Total	110.0	10.0	mg/l		EPA 236.1	09-14-1999 1300	SC
Magnesium, Dissolved	14	1	mg/l		EPA 242.1	09-15-1999 1540	SC
Manganese, Total	2.2	0.1	mg/l		EPA 243.1	09-14-1999 1515	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1999 1500	SC
Potassium, Dissolved	2	1	mg/l		EPA 258.1	09-15-1999 0920	SC
Sodium, Dissolved	9	1	mg/l		EPA 273.1	09-15-1999 1035	SC
Solids, Total Dissolved	360	10	mg/l		EPA 160.1	09-09-1999 0700	KP
Solids, Total Suspended	7020	100	mg/l		EPA 160.2	09-09-1999 0700	KP
Sulfate	169	1	mg/l		EPA 300.0	09-09-1999 0733	MK
Cation/Anion Balance	-68.9	----	%			09-20-1999 0830	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

10-11-00 DJ

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September 21, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000

Sample identification by

WEST RIDGE (STREAM)
ID:ST-5C

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled September 3, 1999

Date received September 7, 1999

Rec'd 0945 hr.
Sampled 1345 hr.
FIELD MEASUREMENTS
pH 7.0
Conductivity 630
Temperature 20.0°C

Time cut @ 1405

CB<-10 DUE TO HIGH TSS LEACHING BICARBONATE.
HNO3 BOTTLE PRESERVED AT LAB.
DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-20470

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	1128	5	mg/l	as HCO_3	EPA 310.1	09-10-1999 0830	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	09-10-1999 0830	KP
Alkalinity, Total	925	5	mg/l	as $CaCO_3$	EPA 310.1	09-10-1999 0830	KP
Anions	23.3	----	meq/l		---------	09-20-1999 0830	RJ
Calcium, Dissolved	65	1	mg/l		EPA 215.1	09-15-1999 1425	SC
Cations	5.5	----	meq/l		---------	09-20-1999 0830	RJ
Chloride	4	1	mg/l		EPA 300.0	09-09-1999 0733	MK
Hardness, Total	245	----	mg/l	as $CaCO_3$	SM2340-B	09-20-1999 0830	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1999 1300	SC
Iron, Total	105.0	10.0	mg/l		EPA 236.1	09-14-1999 1300	SC
Magnesium, Dissolved	20	1	mg/l		EPA 242.1	09-15-1999 1540	SC
Manganese, Total	2.3	0.1	mg/l		EPA 243.1	09-14-1999 1515	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1999 1500	SC
Potassium, Dissolved	3	1	mg/l		EPA 258.1	09-15-1999 0920	SC
Sodium, Dissolved	12	1	mg/l		EPA 273.1	09-15-1999 1035	SC
Solids, Total Dissolved	446	10	mg/l		EPA 160.1	09-09-1999 0700	KP
Solids, Total Suspended	6460	100	mg/l		EPA 160.2	09-09-1999 0700	KP
Sulfate	225	5	mg/l		EPA 300.0	09-09-1999 0733	MK
Cation/Anion Balance	-61.9	----	%			09-20-1999 0830	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R A Cormier

Huntington Laboratory

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10-11-00 DJ

September 21, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ID:ST-5D

Rec'd 0945 hr.
Sampled 1345 hr.
FIELD MEASUREMENTS
pH 7.0
Conductivity 410
Temperature 20.0°C
CB<-10 DUE TO HIGH TSS LEACHING BICARBONATE.
HNO3 BOTTLE PRESERVED AT LAB.
DISSOLVED METALS FILTERED AT LAB.

Time ct
@ 1415

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled September 3, 1999

Date received September 7, 1999

Analysis report no. 59-20471

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	946	5	mg/l	as HCO_3	EPA 310.1	09-10-1999 0830	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	09-10-1999 0830	KP
Alkalinity, Total	776	5	mg/l	as $CaCO_3$	EPA 310.1	09-10-1999 0830	KP
Anions	21.9	----	meq/l		---------	09-20-1999 0830	RJ
Calcium, Dissolved	76	1	mg/l		EPA 215.1	09-15-1999 1425	SC
Cations	6.7	----	meq/l		---------	09-20-1999 0830	RJ
Chloride	7	1	mg/l		EPA 300.0	09-09-1999 0733	MK
Hardness, Total	297	----	mg/l	as $CaCO_3$	SM2340-B	09-20-1999 0830	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-14-1999 1300	SC
Iron, Total	107.0	10.0	mg/l		EPA 236.1	09-14-1999 1300	SC
Magnesium, Dissolved	26	1	mg/l		EPA 242.1	09-15-1999 1540	SC
Manganese, Total	2.4	0.1	mg/l		EPA 243.1	09-14-1999 1515	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-14-1999 1500	SC
Potassium, Dissolved	3	1	mg/l		EPA 258.1	09-15-1999 0920	SC
Sodium, Dissolved	15	1	mg/l		EPA 273.1	09-15-1999 1035	SC
Solids, Total Dissolved	526	10	mg/l		EPA 160.1	09-09-1999 0700	KP
Solids, Total Suspended	5540	100	mg/l		EPA 160.2	09-09-1999 0700	KP
Sulfate	298	5	mg/l		EPA 300.0	09-09-1999 0733	MK
Cation/Anion Balance	-53.4	----	%			09-20-1999 0830	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

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SURFACE WATER MONITORING DATA
LOCATION: ST-5 (Stream Station below B & C Canyons)
1999

PARAMETERS	UNITS	ST-5A	ST-5B	ST-5C	ST-5D
DATE OF EVENT		09/03/99	09/03/99	09/03/99	09/03/99
WATER LEVEL OR FLOW		?	?	?	?
TEMPERATURE (FIELD)	C	20.0	20.0	20.0	20.0
DISSOLVED OXYGEN (FIELD)	MG/L	na	na	na	na
pH (FIELD)	S.U.	6.9	6.9	6.9	6.9
pH (LAB)	S.U.	a	a	a	a
CONDUCT. (FIELD)	UMHOS/CM @ 25C	600	600	600	600
CONDUCT. (LAB)	UMHOS/CM @ 25C	a	a	a	a
TOTAL DISSOLVED SOLIDS	MG/L	450	360	446	526
TOTAL SETTLEABLE SOLIDS	MG/L	a	a	a	a
TOTAL SUSPENDED SOLIDS	MG/L	10,320	7,020	6,460	5,540
TOTAL HARDNESS AS CaCO3	MG/L	272	207	245	297
OIL AND GREASE	MG/L	a	a	a	a
NITRITE	MG/L	a	a	a	a
TOTAL, NITRATE/NITRITE	MG/L	a	a	a	a
NITROGEN, AMMONIA	MG/L	a	a	a	a
BICARBONATE AS HCO3	MG/L	1,435	1,304	1,128	946
CARBONATE AS CO3	MG/L	<5	<5	<5	<5
MAJOR CATIONS	MEQ/L	5.9	4.6	5.5	6.7
MAJOR ANIONS	MEQ/L	28.6	24.9	23.3	21.9
ACIDITY	MG/L	a	a	a	a
ALKALINITY	MG/L	1,177	1,069	925	776
ALUMINUM	MG/L	a	a	a	a
ARSENIC	MG/L	a	a	a	a
BARIUM	MG/L	a	a	a	a
BORON	MG/L	a	a	a	a
CADMIUM	MG/L	a	a	a	a
CALCIUM	MG/L	76	60	65	76
CHLORIDE	MG/L	2	2	4	7
CHROMIUM	MG/L	a	a	a	a
COPPER	MG/L	a	a	a	a
IRON, DISSOLVED	MG/L	<0.1	<0.1	<0.1	<0.1
IRON, TOTAL	MG/L	155	110	105	107
LEAD	MG/L	a	a	a	a
MAGNESIUM	MG/L	20	14	20	26
MANGANESE, DISSOLVED	MG/L	<0.1	<0.1	<0.1	<0.1
MANGANESE, TOTAL	MG/L	3.3	2.2	2.3	2.4
MERCURY	MG/L	a	a	a	a
MOLYBDENUM	MG/L	a	a	a	a
NICKEL	MG/L	a	a	a	a
PHOSPHORUS, ORTHO-PO4	MG/L	a	a	a	a
POTASSIUM	MG/L	3	2	3	3
SELENIUM	MG/L	a	a	a	a
SODIUM	MG/L	8	9	12	15
SULFATE	MG/L	241	169	225	298
ZINC	MG/L	a	a	a	a
CATION/ANION BALANCE	%	-66.0	-68.9	-61.9	-53.4

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

COMMERCIAL TESTING & ENGINEERING CO.

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9-28-00 DJ

August 31, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to upload 10/20/2000 JK

Sample identification by

WEST RIDGE (STREAM)
ST-5A
Rec'd 1550 hr.
Sampled NO TIME GIVEN.
FIELD MEASUREMENTS
pH 7.0
Conductivity 650
Temperature 60.0°F
HNO3 WAS PRESERVED AT LAB.
SAMPLE IS DARK IN COLOR.
DISSOLVED METALS FILTERED AT LAB.
CB<-10 DUE TO HIGH TSS LEACHING BICARBONATE.

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 12, 1999

Date received August 13, 1999

Analysis report no. 59-20350

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	4035	5	mg/l	as HCO_3	EPA 310.1	08-25-1999 0930 KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	08-25-1999 0930 KP
Alkalinity, Total	3308	5	mg/l	as $CaCO_3$	EPA 310.1	08-25-1999 0930 KP
Anions	70.9	----	meq/l		---------	08-30-1999 1330 RJ
Calcium, Dissolved	73	1	mg/l		EPA 215.1	08-19-1999 1514 SC
Cations	6.0	----	meq/l		---------	08-30-1999 1330 RJ
Chloride	7	1	mg/l		EPA 300.0	08-17-1999 0734 MK
Hardness, Total	265	----	mg/l	as $CaCO_3$	SM2340-B	08-30-1999 1330 RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	08-19-1999 0747 SC
Iron, Total	331.0	10	mg/l		EPA 236.1	08-18-1999 0941 SC
Magnesium, Dissolved	20	1	mg/l		EPA 242.1	08-19-1999 1613 SC
Manganese, Total	10.8	0.5	mg/l		EPA 243.1	08-19-1999 0910 SC
Manganese, Dissolved	0.3	0.1	mg/l		EPA 243.1	08-19-1999 0910 SC
Potassium, Dissolved	4	1	mg/l		EPA 258.1	08-19-1999 1244 SC
Sodium, Dissolved	13	1	mg/l		EPA 273.1	08-19-1999 1342 SC
Solids, Total Dissolved	427	10	mg/l		EPA 160.1	08-17-1999 0700 KP
Solids, Total Suspended	42850	250	mg/l		EPA 160.2	08-17-1999 0700 KP
Sulfate	218	2	mg/l		EPA 300.0	08-17-1999 0734 MK
Cation/Anion Balance	-84.5	----	%			08-30-1999 1330 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

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August 31, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000

Sample identification by

WEST RIDGE (STREAM)
ST-5B
Rec'd 1550 hr. Time set to 1200
Sampled NO TIME GIVEN.
FIELD MEASUREMENTS
pH 7.0
Conductivity 650
Temperature 60.0°F
HNO3 WAS PRESERVED AT LAB.
SAMPLE IS DARK IN COLOR.
DISSOLVED METALS FILTERED AT LAB.
CB<-10 DUE TO HIGH TSS LEACHING BICARBONATE.

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 12, 1999

Date received August 13, 1999

Analysis report no. 59-20351

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	4659	5	mg/l	as HCO_3	EPA 310.1	08-25-1999 0930	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	08-25-1999 0930	KP
Alkalinity, Total	3819	5	mg/l	as $CaCO_3$	EPA 310.1	08-25-1999 0930	KP
Anions	81.2	----	meq/l		---------	08-30-1999 1330	RJ
Calcium, Dissolved	64	1	mg/l		EPA 215.1	08-19-1999 1514	SC
Cations	6.1	----	meq/l		---------	08-30-1999 1330	RJ
Chloride	8	1	mg/l		EPA 300.0	08-17-1999 0734	MK
Hardness, Total	263	----	mg/l	as $CaCO_3$	SM2340-B	08-30-1999 1330	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	08-19-1999 0747	SC
Iron, Total	498.0	10	mg/l		EPA 236.1	08-18-1999 0941	SC
Magnesium, Dissolved	25	1	mg/l		EPA 242.1	08-19-1999 1613	SC
Manganese, Total	9.4	0.5	mg/l		EPA 243.1	08-19-1999 0910	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	08-19-1999 0910	SC
Potassium, Dissolved	3	1	mg/l		EPA 258.1	08-19-1999 1244	SC
Sodium, Dissolved	17	1	mg/l		EPA 273.1	08-19-1999 1342	SC
Solids, Total Dissolved	433	10	mg/l		EPA 160.1	08-17-1999 0700	KP
Solids, Total Suspended	31300	250	mg/l		EPA 160.2	08-17-1999 0700	KP
Sulfate	224	2	mg/l		EPA 300.0	08-17-1999 0734	MK
Cation/Anion Balance	-86.1	----	%			08-30-1999 1330	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

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9-28-00 DJ

August 31, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000 KW

Sample identification by

WEST RIDGE (STREAM)
ST-5C
Rec'd 1550 hr.
Sampled NO TIME GIVEN.
FIELD MEASUREMENTS
pH 7.0
Conductivity 650
Temperature 60.0°F
HNO3 WAS PRESERVED AT LAB.
SAMPLE IS DARK IN COLOR.
DISSOLVED METALS FILTERED AT LAB.
CB<-10 DUE TO HIGH TSS LEACHING BICARBONATE.

Time set @ 1210

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 12, 1999

Date received August 13, 1999

Analysis report no. 59-20352

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	4158	5	mg/l	as HCO_3	EPA 310.1	08-25-1999 0930	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	08-25-1999 0930	KP
Alkalinity, Total	3408	5	mg/l	as $CaCO_3$	EPA 310.1	08-25-1999 0930	KP
Anions	73.9	----	meq/l		---------	08-30-1999 1330	RJ
Calcium, Dissolved	88	1	mg/l		EPA 215.1	08-19-1999 1514	SC
Cations	6.7	----	meq/l		---------	08-30-1999 1330	RJ
Chloride	5	1	mg/l		EPA 300.0	08-17-1999 0734	MK
Hardness, Total	310	----	mg/l	as $CaCO_3$	SM2340-B	08-30-1999 1330	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	08-19-1999 0747	SC
Iron, Total	338.0	10	mg/l		EPA 236.1	08-18-1999 0941	SC
Magnesium, Dissolved	22	1	mg/l		EPA 242.1	08-19-1999 1613	SC
Manganese, Total	6.5	0.2	mg/l		EPA 243.1	08-19-1999 0910	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	08-19-1999 0910	SC
Potassium, Dissolved	4	1	mg/l		EPA 258.1	08-19-1999 1244	SC
Sodium, Dissolved	10	1	mg/l		EPA 273.1	08-19-1999 1342	SC
Solids, Total Dissolved	484	10	mg/l		EPA 160.1	08-17-1999 0700	KP
Solids, Total Suspended	31000	250	mg/l		EPA 160.2	08-17-1999 0700	KP
Sulfate	270	2	mg/l		EPA 300.0	08-17-1999 0734	MK
Cation/Anion Balance	-83.3	----	%			08-30-1999 1330	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

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TERMS AND CONDITIONS ON REVERSE

SURFACE WATER MONITORING DATA
LOCATION: ST-5 (Stream Station below B & C Canyons)
1999

PARAMETERS	UNITS	ST-5A	ST-5B	ST-5C		
DATE OF EVENT		08/12/99	08/12/99	08/12/99		
WATER LEVEL OR FLOW		0.5'	0.5'	0.5'		
TEMPERATURE (FIELD)	C	15.6	15.6	15.6		
DISSOLVED OXYGEN (FIELD)	MG/L	na	na	na		
pH (FIELD)	S.U.	7.0	7.0	7.0		
pH (LAB)	S.U.	a	a	a		
CONDUCT. (FIELD)	UMHOS/CM @ 25C	650	650	650		
CONDUCT. (LAB)	UMHOS/CM @ 25C	a	a	a		
TOTAL DISSOLVED SOLIDS	MG/L	427	433	484		
TOTAL SETTLEABLE SOLIDS	MG/L	a	a	a		
TOTAL SUSPENDED SOLIDS	MG/L	42,850	31,300	31,000		
TOTAL HARDNESS AS CaCO3	MG/L	265	263	310		
OIL AND GREASE	MG/L	a	a	a		
NITRITE	MG/L	a	a	a		
TOTAL, NITRATE/NITRITE	MG/L	a	a	a		
NITROGEN, AMMONIA	MG/L	a	a	a		
BICARBONATE AS HCO3	MG/L	4,035	4,659	4,158		
CARBONATE AS CO3	MG/L	<5	<5	<5		
MAJOR CATIONS	MEQ/L	6.0	6.1	6.7		
MAJOR ANIONS	MEQ/L	70.9	81.2	73.9		
ACIDITY	MG/L	a	a	a		
ALKALINITY	MG/L	3,308	3,819	3,408		
ALUMINUM	MG/L	a	a	a		
ARSENIC	MG/L	a	a	a		
BARIUM	MG/L	a	a	a		
BORON	MG/L	a	a	a		
CADMIUM	MG/L	a	a	a		
CALCIUM	MG/L	73	64	88		
CHLORIDE	MG/L	7	8	5		
CHROMIUM	MG/L	a	a	a		
COPPER	MG/L	a	a	a		
IRON, DISSOLVED	MG/L	<0.1	<0.1	<0.1		
IRON, TOTAL	MG/L	331	498	338		
LEAD	MG/L	a	a	a		
MAGNESIUM	MG/L	20	25	22		
MANGANESE, DISSOLVED	MG/L	0.3	<0.1	<0.1		
MANGANESE, TOTAL	MG/L	10.8	9.4	6.5		
MERCURY	MG/L	a	a	a		
MOLYBDENUM	MG/L	a	a	a		
NICKEL	MG/L	a	a	a		
PHOSPHORUS, ORTHO-PO4	MG/L	a	a	a		
POTASSIUM	MG/L	4	3	4		
SELENIUM	MG/L	a	a	a		
SODIUM	MG/L	13	17	10		
SULFATE	MG/L	218	224	270		
ZINC	MG/L	a	a	a		
CATION/ANION BALANCE	%	-84.5	-86.1	-83.3		

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

9-26-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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August 11, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to upset 10/20/2000

Sample identification by

WEST RIDGE (STREAM)
ID:ST-5A

Rec'd 1443 hr.
Sampled 1200 hr.
FIELD MEASUREMENTS
pH 7.4
Conductivity 160

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 19, 1999

Date received July 19, 1999

SAMPLE WAS FILTERED FOR ALKALINITY.
HNO3 BOTTLE PRESERVED AT LAB.
DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-20254

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	113	5	mg/l	as HCO_3	EPA 310.1	08-03-1999 1400	KP
Alkalinity, Carbonate	? <5	5	mg/l	as CO_3	EPA 310.1	08-03-1999 1400	KP
[illegible]linity, Total	117	5	mg/l	as $CaCO_3$	EPA 310.1	07-30-1999 1200	KP
A[illegible]ns	2.1	----	meq/l		---------	08-09-1999 0645	MK
Calcium, Dissolved	24	1	mg/l		EPA 215.1	08-05-1999 1326	SC
Cations	2.0	----	meq/l		---------	08-09-1999 0645	MK
Chloride	1	1	mg/l		EPA 300.0	07-20-1999 0657	MK
Hardness, Total	81	----	mg/l	as $CaCO_3$	SM2340-B	08-09-1999 0645	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	07-22-1999 0805	SC
Iron, Total	235.0	10.0	mg/l		EPA 236.1	07-22-1999 0805	SC
Magnesium, Dissolved	5	1	mg/l		EPA 242.1	07-26-1999 1101	SC
Manganese, Total	5.4	0.2	mg/l		EPA 243.1	07-22-1999 0922	SC
Manganese, Dissolved	0.2	0.1	mg/l		EPA 243.1	07-22-1999 0922	SC
Potassium, Dissolved	1	1	mg/l		EPA 258.1	07-22-1999 1224	SC
Sodium, Dissolved	8	1	mg/l		EPA 273.1	07-22-1999 1340	SC
Solids, Total Dissolved	330	10	mg/l		EPA 160.1	07-20-1999 1000	KP
Solids, Total Suspended	12010	5	mg/l		EPA 160.2	07-20-1999 1000	KP
Sulfate	11	1	mg/l		EPA 300.0	07-20-1999 0657	MK
Cation/Anion Balance	-3.1	----	%			08-09-1999 0645	MK

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

N J Cormier

Huntington Laboratory

MEMBER ACIL

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TERMS AND CONDITIONS ON REVERSE

9-28-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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August 11, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000 [illegible]

Sample identification by

WEST RIDGE (STREAM)
ID:ST-5B

Rec'd 1443 hr. 1210
Sampled ~~1200~~ hr.
FIELD MEASUREMENTS
pH 7.4
Conductivity 200

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 19, 1999

Date received July 19, 1999

SAMPLE FILTERED FOR ALKALINITY.
HNO3 BOTTLE PRESERVED AT LAB.
DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-20255

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	178	5	mg/l	as HCO_3	EPA 310.1	08-02-1999 1000	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	08-02-1999 1000	KP
[illegible]linity, Total	146	5	mg/l	as $CaCO_3$	EPA 310.1	08-02-1999 1000	KP
[illegible]ons	15.8	----	meq/l		---------	08-03-1999 1000	RJ
Calcium, Dissolved	238	2	mg/l		EPA 215.1	07-26-1999 1007	SC
Cations	14.7	----	meq/l		---------	08-03-1999 1000	RJ
Chloride	7	1	mg/l		EPA 300.0	07-20-1999 0657	MK
Hardness, Total	722	----	mg/l	as $CaCO_3$	SM2340-B	08-03-1999 1000	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	07-22-1999 0805	SC
Iron, Total	2.9	0.1	mg/l		EPA 236.1	07-22-1999 0805	SC
Magnesium, Dissolved	31	1	mg/l		EPA 242.1	07-26-1999 1101	SC
Manganese, Total	20.6	2.0	mg/l		EPA 243.1	07-22-1999 0922	SC
Manganese, Dissolved	0.9	0.1	mg/l		EPA 243.1	07-22-1999 0922	SC
Potassium, Dissolved	6	1	mg/l		EPA 258.1	07-22-1999 1224	SC
Sodium, Dissolved	3	1	mg/l		EPA 273.1	07-22-1999 1340	SC
Solids, Total Dissolved	1043	10	mg/l		EPA 160.1	07-20-1999 1000	KP
Solids, Total Suspended	143460	5	mg/l		EPA 160.2	07-20-1999 1000	KP
Sulfate	610	10	mg/l		EPA 300.0	07-20-1999 0657	MK
Cation/Anion Balance	-3.6	----	%			08-03-1999 1000	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

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August 11, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000

Sample identification by

WEST RIDGE (STREAM)
ID:ST-5C

Rec'd 1443 hr 1220
Sampled ~~1200~~ hr.
FIELD MEASUREMENTS
pH 7.4
Conductivity 210

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 19, 1999

Date received July 19, 1999

SAMPLE WAS FILTERED FOR ALKALINITY.
HNO3 BOTTLE PRESERVED AT LAB.
DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-20256

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	111	5	mg/l	as HCO_3	EPA 310.1	08-02-1999 1000	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	08-02-1999 1000	KP
Alkalinity, Total	91	5	mg/l	as $CaCO_3$	EPA 310.1	08-02-1999 1000	KP
Anions	2.7	----	meq/l		---------	08-09-1999 0645	MK
Calcium, Dissolved	32	1	mg/l		EPA 215.1	08-05-1999 1326	SC
Cations	2.7	----	meq/l		---------	08-09-1999 0645	MK
Chloride	<1	1	mg/l		EPA 300.0	07-20-1999 0657	MK
Hardness, Total	100	----	mg/l	as $CaCO_3$	SM2340-B	08-09-1999 0645	MK
Iron, Dissolved	0.1	0.1	mg/l		EPA 236.1	07-22-1999 0805	SC
Iron, Total	446.0	10.0	mg/l		EPA 236.1	07-22-1999 0805	SC
Magnesium, Dissolved	5	1	mg/l		EPA 242.1	07-26-1999 1101	SC
Manganese, Total	8.2	0.2	mg/l		EPA 243.1	07-22-1999 0922	SC
Manganese, Dissolved	0.2	0.1	mg/l		EPA 243.1	07-22-1999 0922	SC
Potassium, Dissolved	1	1	mg/l		EPA 258.1	07-22-1999 1224	SC
Sodium, Dissolved	15	1	mg/l		EPA 273.1	07-22-1999 1340	SC
Solids, Total Dissolved	195	10	mg/l		EPA 160.1	07-20-1999 1000	KP
Solids, Total Suspended	42790	5	mg/l		EPA 160.2	07-20-1999 1000	KP
Sulfate	40	1	mg/l		EPA 300.0	07-20-1999 0657	MK
Cation/Anion Balance	0.6	----	%			08-09-1999 0645	MK

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

9-26-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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August 17, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to what 10/20/2000 ✓ K

Sample identification by

WEST RIDGE (STREAM)
ID:ST-5

Kind of sample reported to us Water

Rec'd 1500 hr.
Sampled 1655 hr.
FIELD MEASUREMENTS
pH 8.2
Conductivity 1640
Temperature 70.0°F

Sample taken at

Sample taken by

Date sampled July 29, 1999

Date received July 30, 1999

CB<-10 DUE TO HIGH TSS LEACHING BICARBONATE.
POSS. MATRIX INTERFER. ON ALKALINITY.
DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-20314

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	4039	5	mg/l	as HCO_3	EPA 310.1	08-09-1999 1030	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	08-09-1999 1030	KP
Alkalinity, Total	3311	5	mg/l	as $CaCO_3$	EPA 310.1	08-09-1999 1030	KP
Anions	85.7	----	meq/l		---------	08-13-1999 0800	RJ
Calcium, Dissolved	128	1	mg/l		EPA 215.1	08-05-1999 1326	SC
Cations	19.0	----	meq/l		---------	08-13-1999 0800	RJ
Chloride	48	1	mg/l		EPA 300.0	08-12-1999 0916	MK
Hardness, Total	703	----	mg/l	as $CaCO_3$	SM2340-B	08-13-1999 0800	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	08-05-1999 0837	SC
Iron, Total	381.0	10.0	mg/l		EPA 236.1	08-05-1999 0837	SC
Magnesium, Dissolved	93	5	mg/l		EPA 242.1	08-05-1999 1532	SC
Manganese, Total	6.7	0.2	mg/l		EPA 243.1	08-05-1999 0926	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	08-05-1999 0926	SC
Potassium, Dissolved	3	1	mg/l		EPA 258.1	08-05-1999 1020	SC
Sodium, Dissolved	112	1	mg/l		EPA 273.1	08-05-1999 1048	SC
Solids, Total Dissolved	1293	10	mg/l		EPA 160.1	08-05-1999 0800	KP
Solids, Total Suspended	20580	100	mg/l		EPA 160.2	08-05-1999 0800	KP
Sulfate	871	5	mg/l		EPA 300.0	08-12-1999 0916	MK
Cation/Anion Balance	-63.7	----	%			08-13-1999 0800	RJ

OK's

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cornell

Huntington Laboratory

MEMBER ACIL

SURFACE WATER MONITORING DATA
LOCATION: ST-5 (Stream Station below B & C Canyons)
1999

PARAMETERS	UNITS	ST-5A	ST-5B	ST-5C		
DATE OF EVENT		07/19/99	07/19/99	07/19/99		
WATER LEVEL OR FLOW		1.3'	1.3'	1.3'	✓	
TEMPERATURE (FIELD)	C	na	na	na	✓	
DISSOLVED OXYGEN (FIELD)	MG/L	na	na	na	✓	
pH (FIELD)	S.U.	7.4	7.4	7.4	✓	
pH (LAB)	S.U.	a	a	a	X	
CONDUCT. (FIELD)	UMHOS/CM @ 25C	160	170	210	✓	
CONDUCT. (LAB)	UMHOS/CM @ 25C	a	a	a		
TOTAL DISSOLVED SOLIDS	MG/L	330	1,043	195	✓	
TOTAL SETTLEABLE SOLIDS	MG/L	a	a	a		
TOTAL SUSPENDED SOLIDS	MG/L	12,010	143,460	42,790	✓	
TOTAL HARDNESS AS CaCO3	MG/L	81	722	100	✓	
OIL AND GREASE	MG/L	a	a	a	X	
NITRITE	MG/L	a	a	a		
TOTAL, NITRATE/NITRITE	MG/L	a	a	a		
NITROGEN, AMMONIA	MG/L	a	a	a		
BICARBONATE AS HCO3	MG/L	113	178	111	✓	
CARBONATE AS CO3	MG/L	<5	<5	<5	✓	
MAJOR CATIONS	MEQ/L	2.0	14.7	2.7	✓	
MAJOR ANIONS	MEQ/L	2.1	15.8	2.7	✓	
ACIDITY	MG/L	a	a	a		
ALKALINITY	MG/L	117	146	91	✓	
ALUMINUM	MG/L	a	a	a		
ARSENIC	MG/L	a	a	a		
BARIUM	MG/L	a	a	a		
BORON	MG/L	a	a	a		
CADMIUM	MG/L	a	a	a		
CALCIUM	MG/L	24	238	32	✓	
CHLORIDE	MG/L	1	7	<1	✓	
CHROMIUM	MG/L	a	a	a		
COPPER	MG/L	a	a	a		
IRON, DISSOLVED	MG/L	<0.1	<0.1	0.1	✓	
IRON, TOTAL	MG/L	235	2.9	446	✓	
LEAD	MG/L	a	a	a		
MAGNESIUM	MG/L	5	31	5	✓	
MANGANESE, DISSOLVED	MG/L	0.2	0.9	0.2	✓	
MANGANESE, TOTAL	MG/L	5.4	20.6	8.2	✓	
MERCURY	MG/L	a	a	a		
MOLYBDENUM	MG/L	a	a	a		
NICKEL	MG/L	a	a	a		
PHOSPHORUS, ORTHO-PO4	MG/L	a	a	a		
POTASSIUM	MG/L	1	6	1	✓	
SELENIUM	MG/L	a	a	a		
SODIUM	MG/L	8	3	15	✓	
SULFATE	MG/L	11	610	40	✓	
ZINC	MG/L	a	a	a		
CATION/ANION BALANCE	%	-3.1	-3.6	0.6	✓	

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

SURFACE WATER MONITORING DATA
LOCATION: ST-5 (Stream Station below B & C Canyons)
1999

PARAMETERS	UNITS	ST-5A				
DATE OF EVENT		07/29/99				
WATER LEVEL OR FLOW		15 gpm				
TEMPERATURE (FIELD)	C	21.1				
DISSOLVED OXYGEN (FIELD)	MG/L	na				
pH (FIELD)	S.U.	8.2				
pH (LAB)	S.U.	a				
CONDUCT. (FIELD)	UMHOS/CM @ 25C	1640				
CONDUCT. (LAB)	UMHOS/CM @ 25C	a				
TOTAL DISSOLVED SOLIDS	MG/L	1,293				
TOTAL SETTLEABLE SOLIDS	MG/L	a				
TOTAL SUSPENDED SOLIDS	MG/L	20,580				
TOTAL HARDNESS AS CaCO3	MG/L	703				
OIL AND GREASE	MG/L	a				
NITRITE	MG/L	a				
TOTAL, NITRATE/NITRITE	MG/L	a				
NITROGEN, AMMONIA	MG/L	a				
BICARBONATE AS HCO3	MG/L	4,039				
CARBONATE AS CO3	MG/L	<5				
MAJOR CATIONS	MEQ/L	19.0				
MAJOR ANIONS	MEQ/L	85.7				
ACIDITY	MG/L	a				
ALKALINITY	MG/L	3,311				
ALUMINUM	MG/L	a				
ARSENIC	MG/L	a				
BARIUM	MG/L	a				
BORON	MG/L	a				
CADMIUM	MG/L	a				
CALCIUM	MG/L	128				
CHLORIDE	MG/L	48				
CHROMIUM	MG/L	a				
COPPER	MG/L	a				
IRON, DISSOLVED	MG/L	<0.1				
IRON, TOTAL	MG/L	381				
LEAD	MG/L	a				
MAGNESIUM	MG/L	93				
MANGANESE, DISSOLVED	MG/L	<0.1				
MANGANESE, TOTAL	MG/L	6.7				
MERCURY	MG/L	a				
MOLYBDENUM	MG/L	a				
NICKEL	MG/L	a				
PHOSPHORUS, ORTHO-PO4	MG/L	a				
POTASSIUM	MG/L	3				
SELENIUM	MG/L	a				
SODIUM	MG/L	112				
SULFATE	MG/L	871				
ZINC	MG/L	a				
CATION/ANION BALANCE	%	-63.7				

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

input NOF for FLD 6/14/2000 KW

update to DB 6/14/2000 KW

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 19978
FIELD PARAMETERS

STREAM SITE ST-5

Stream Location: Below B and C Canyon confluence, T 14 S, R 13 E, Section 15, SW¼SE¼

Date	Time	pH (std. units)	Conductivity (µS)	Temperature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
05/21/98	1025	NOF				0	No flow since last visit
06/19/98	1200	NOF				0	Small event (.4 on gage); triggered sampler, but no samples: peak flow barely high enough to reach intake
07/20/98	1115	NOF				0	Very small event (<1 inch depth); no equipment triggered
~~08/04/98~~	~~1330~~	date	7/30/	delete	FLD	0	Small event (0.5) from ~~Aug~~ July 30?; ISCO retrieved 3 sets of samples, 15 minutes apart
08/31/98	1045	NOF				0	Small event; not enough to trigger equipment
10/15/98	1015	NOF				0	0.5 event; triggered, but no samples due to battery failure
10/29/98	1100	NOF				0	Event <.4; not triggered, equipment removed for winter
Maximum Value							
Minimum Value							
Average							
Standard Deviation							
Count						7	

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UTAH DIVISION OIL, GAS AND MINING

4-25-00 DJ

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August 14, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 kw

Sample identification by
West Ridge Resources Inc.

update to DB 6/14/2000 kw

ST-5a

Rec'd 1340 hr.
Sampled NO TIME GIVEN.

FIELD MEASUREMENTS
pH 7.9

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled July 30, 1998

Date received August 5, 1998

NOTE: AMENDED TSS

Analysis report no. 59-18895

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Conductivity	950	1	umhos/cm	SM2510-B	08-07-1998 0800 SC
Iron, Total	688.0	20	mg/l	EPA 236.1	08-10-1998 1030 MK
Manganese, Total	13.4	1.0	mg/l	EPA 243.1	08-10-1998 1115 MK
Solids, Total Dissolved	412	10	mg/l	EPA 160.1	08-10-1998 0800 DL
Solids, Total Suspended	54724	5	mg/l	EPA 160.2	08-10-1998 0800 DL

→ These were taken by ISCO sampler. The a, b, + c are bottles w/in the ISCO.

each bottle was taken ≈ 10 minutes apart.
Ken

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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4-25-00 DLT

August 14, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000

Sample identification by
West Ridge Resources Inc.

ST-5b

updated to DB 6/14/2000

Rec'd 1340 hr.
Sampled NO TIME GIVEN.

FIELD MEASUREMENTS
pH 7.9

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled July 30, 1998

Date received August 5, 1998

NOTE: AMENDED TSS

Analysis report no. 59-18896

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Conductivity	672	1	umhos/cm	SM2510-B	08-07-1998 0800	SC
Iron, Total	228.0	10.0	mg/l	EPA 236.1	08-10-1998 1030	MK
Manganese, Total	15.6	1.0	mg/l	EPA 243.1	08-10-1998 1115	MK
Solids, Total Dissolved	416	10	mg/l	EPA 160.1	08-10-1998 0800	DL
Solids, Total Suspended	157624	5	mg/l	EPA 160.2	08-10-1998 0800	DL

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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4-25-00 DT

August 14, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 K

Sample identification by
West Ridge Resources Inc.

update to DB 6/14/2000 K

ST-5c

Rec'd 1340 hr.
Sampled NO TIME GIVEN.

FIELD MEASUREMENTS
pH 7.9

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled July 30, 1998

Date received August 5, 1998

NOTE: AMENDED TSS

Analysis report no. 59-18897

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Conductivity	968	1	umhos/cm	SM2510-B	08-07-1998 0800	SC
Iron, Total	920.0	20.0	mg/l	EPA 236.1	08-10-1998 1030	MK
Manganese, Total	17.4	1.0	mg/l	EPA 243.1	08-10-1998 1115	MK
Solids, Total Dissolved	448	10	mg/l	EPA 160.1	08-10-1998 0800	DL
Solids, Total Suspended	92972	5	mg/l	EPA 160.2	08-10-1998 0800	DL

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINI

Huntington Laboratory

MEMBER ACIL

add all NOF's 6/14/2000

updated to DB 6/14/2000

ANDALEX RESOURCES, INC. WEST RIDGE PROJECT
BASELINE WATER MONITORING REPORT - 1997
FIELD PARAMETERS

STREAM SITE ST-5

Stream Location: Below B and C Canyon confluence, T 14 S, R 13 E, Section 15, SW¼SE¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
04/25/97	1000	NOF				0	No sign of recent flow
05/08/95	1400	NOF				0	No sign of flow since last visit
05/12/97	1100	NOF				0	No sign of flow since last visit
05/21/97	~~1000~~ 1030	~~8.5~~ 8.4				0	pH from ISCO Bottle 1; dialer reported event 1600 5/20; crest 0.3'; full round of samples
05/27/97	0830	NOF				0	storm runoff from lower B canyon on 5/22 based on dialer report; crest 0.2'; no samples
06/11/97	1130	8.48				0	pH from ISCO bottle 1; dialer reported event 1500 5/10; crest 0.4'
06/26/97	1435	NOF				0	No sign of flow since last visit
07/29/97	1515	NOF				0	Flow likely from previous day; 0.4' crest; sampler not triggered
08/08/97	1115	NOF				0	Perhaps minor flow again, but less than previous event, and again not triggered
08/25/97	1245	NOF				0	No sign of flow since last visit
09/22/97	1030	7.9	550			0	pH and cond from ISCO bottle 1; event occurred 9/20; 2 bottle sets filled; 0.4' crest
09/25/97	1215	NOF				0	No sign of flow since last visit
10/22/97	1230	NOF				0	Recent small flow but not enough to trigger sampler or register on gage
Maximum Value		8.5	550				
Minimum Value		7.9	550				
Average		8.3	550				
Standard Deviation		0.34	??				
Count		3	1				

INCORPORATED
EFFECTIVE:
APR 11 2000
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COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (801) 653-2436

4-12-00 DT

October 6, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 [illegible]

Sample identification by
ANDALEX RESOURCES

Updated to DB 6/14/2000

ST-5, Bottle 1

Rec'd 0830 hr. Sample 10:30

pH - 7.9
Cond - 550

QA/QC ??

Kind of sample reported to us	Water
Sample taken at	Andalex
Sample taken by	Andalex
Date sampled	September 20, 1997
Date received	September 26, 1997

NOTE: AUTOMATIC SAMPLER FROM BETWEEN 8-25 & 9-22, LIKELY 9-20.
NOTE: SAMPLE PRESERVED AT LAB!
SAMPLE IS DARK IN COLOR!
SAMPLE BOTTLES NOT OBTAINED FROM LAB!

Analysis report no. 59-17811

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	233.0	10.0	mg/l	EPA 236.1	10-01-1997 1945 MK
Manganese, Total	4.1	0.1	mg/l	EPA 243.1	10-01-1997 2015 MK
Solids, Total Dissolved	500	10	mg/l	EPA 160.1	09-29-1997 0700 JC
Solids, Total Suspended	44880	5	mg/l	EPA 160.2	09-29-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1990

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OF OIL, GAS AND MINING

Huntington Laboratory

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4-12-00 DT

October 6, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 lh

Sample identification by
ANDALEX RESOURCES

updated to DB 6/14/2000 lh

ST-5, BOTTLE 2

Rec'd 0830 hr.

Kind of sample reported to us	Water
Sample taken at	Andalex
Sample taken by	Andalex
Date sampled	September 20, 1997
Date received	September 26, 1997

NOTE: AUTOMATIC SAMPLER FROM BETWEEN 8-25 & 9-22, LIKELY 9-20.
NOTE: SAMPLE PRESERVED AT LAB!
SAMPLE IS DARK IN COLOR!
SAMPLE BOTTLES NOT OBTAINED FROM LAB!

Analysis report no. 59-17812

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	401.0	10.0	mg/l	EPA 236.1	10-01-1997 1945 MK
Manganese, Total	6.1	1.0	mg/l	EPA 243.1	10-01-1997 2015 MK
Solids, Total Dissolved	350	10	mg/l	EPA 160.1	09-29-1997 0700 JC
Solids, Total Suspended	26520	5	mg/l	EPA 160.2	09-29-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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4-12-00 DJ

July 16, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

O/K for EDI 6/14/2000 hw

Sample identification by
ANDALEX RESOURCES

update to DB 6/14/2000 hw

ID: ST-5 SAMPLE #1

Rec'd 1430 hr.
Sampled 1130 hr.

pH 8.5

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 11, 1997

Date received June 11, 1997

Analysis report no. 59-17305

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	169.0	10.0	mg/l	EPA 236.1	07-11-1997 0900 MK
Manganese, Total	6.1	1.0	mg/l	EPA 243.1	07-11-1997 0930 MK
Solids, Total Dissolved	170	10	mg/l	EPA 160.1	06-12-1997 0700 JC
Solids, Total Suspended	13520	5	mg/l	EPA 160.2	06-12-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1900
UTAH DIVISION OIL, GAS AND MINING

Respectfully Submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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4-12-00 DJ

July 16, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 KW

Sample identification by
ANDALEX RESOURCES

updated to DB 6/14/2000

ID: ST-5 SAMPLE #2

Rec'd 1430 hr.
Sampled 1130 hr.

pH - 8.5

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 11, 1997

Date received June 11, 1997

Analysis report no. 59-17306

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	118.0	10.0	mg/l	EPA 236.1	07-11-1997 0900 MK
Manganese, Total	11.3	1.0	mg/l	EPA 243.1	07-11-1997 0930 MK
Solids, Total Dissolved	160	10	mg/l	EPA 160.1	06-12-1997 0700 JC
Solids, Total Suspended	2724	5	mg/l	EPA 160.2	06-12-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1900
DIV. OF OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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July 16, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000

Sample identification by
ANDALEX RESOURCES

updated to DB 6/14/2000

ID: ST-5 SAMPLE #3

Rec'd 1430 hr.
Sampled 1130 hr.

pH - 8.5

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 11, 1997

Date received June 11, 1997

Analysis report no. 59-17307

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	87.0	10.0	mg/l	EPA 236.1	07-11-1997 0900 MK
Manganese, Total	11.6	1.0	mg/l	EPA 243.1	07-11-1997 0930 MK
Solids, Total Dissolved	500	10	mg/l	EPA 160.1	06-12-1997 0700 JC
Solids, Total Suspended	66756	5	mg/l	EPA 160.2	06-12-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1900
UTAH DIVISION OIL, GAS AND MINING

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COMMERCIAL TESTING & ENGINEERING CO.

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July 16, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000

Sample identification by
ANDALEX RESOURCES

ID: ST-5 SAMPLE #4 Update to DB 6/14/2000

Rec'd 1430 hr.
Sampled 1130 hr.

pH - 8.5

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 11, 1997

Date received June 11, 1997

Analysis report no. 59-17308

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	236.0	10.0	mg/l	EPA 236.1	07-11-1997 0900 MK
Manganese, Total	16.3	1.0	mg/l	EPA 243.1	07-11-1997 0930 MK
Solids, Total Dissolved	780	10	mg/l	EPA 160.1	06-12-1997 0700 JC
Solids, Total Suspended	110856	5	mg/l	EPA 160.2	06-12-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1990
DIVISION OF OIL, GAS AND MINING

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COMMERCIAL TESTING & ENGINEERING CO.

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June 10, 1997

ANDALEX RESOURCES-WEST RIDGE
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Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 KW

updated to DB 6/14/2000 KW

Sample identification by
ANDALEX RESOURCES

ID: West Ridge ST-5 Sample 1

Rec'd 1435 hr.
Sampled 1030 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 21, 1997

Date received May 21, 1997

Field Measurements

pH 8.4

NOTE: Metals bottle preserved at lab!

Analysis report no. 59-17175

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Iron, Total	30.4	1.0	mg/l	EPA 236.1	06-07-1997 0945	MK
Manganese, Total	6.2	0.5	mg/l	EPA 243.1	06-07-1997 1030	MK
Solids, Total Dissolved	80	10	mg/l	EPA 160.1	05-22-1997 0700	JC
Solids, Total Suspended	23916	5	mg/l	EPA 160.2	05-22-1997 0700	JC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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June 10, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 hr

Sample identification by
ANDALEX RESOURCES

updated to DB 6/14/2000 hr

ID: West Ridge ST-5 Sample 2

Rec'd 1435 hr.
Sampled 1030 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 21, 1997

Date received May 21, 1997

NOTE: Metals bottle preserved at lab!

Analysis report no. 59-17176

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	9.7	0.5	mg/l	EPA 236.1	06-07-1997 0945 MK
Manganese, Total	3.6	0.5	mg/l	EPA 243.1	06-07-1997 1030 MK
Solids, Total Dissolved	100	10	mg/l	EPA 160.1	05-22-1997 0700 JC
Solids, Total Suspended	17776	5	mg/l	EPA 160.2	05-22-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1999
UTAH DIVISION OF OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Trout

Huntington Laboratory

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June 10, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 kw

Sample identification by
ANDALEX RESOURCES

update to DB

ID: West Ridge ST-5 Sample 3 6/14/2000 kw

Rec'd 1435 hr.
Sampled 1030 hr.

plt - 84

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 21, 1997

Date received May 21, 1997

NOTE: Metals bottle preserved at lab!

Analysis report no. 59-17177

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	2.4	1.0	mg/l	EPA 236.1	06-07-1997 0945 MK
Manganese, Total	3.2	0.5	mg/l	EPA 243.1	06-07-1997 1030 MK
Solids, Total Dissolved	120	10	mg/l	EPA 160.1	05-22-1997 0700 JC
Solids, Total Suspended	15452	5	mg/l	EPA 160.2	05-22-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1990
UTAH DIV. OF OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Stout

Huntington Laboratory

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June 10, 1997

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P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/14/2000 hr

Sample identification by
ANDALEX RESOURCES

updated to DB 6/14/2000 1h

ID: West Ridge ST-5 Sample 4

Rec'd 1435 hr.
Sampled 1030 hr.

pH 8.4

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 21, 1997

Date received May 21, 1997

NOTE: Metals bottle preserved at lab!

Analysis report no. 59-17178

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	12.1	0.5	mg/l	EPA 236.1	06-07-1997 0945 MK
Manganese, Total	3.3	0.5	mg/l	EPA 243.1	06-07-1997 1030 MK
Solids, Total Dissolved	310	10	mg/l	EPA 160.1	05-22-1997 0700 JC
Solids, Total Suspended	15552	5	mg/l	EPA 160.2	05-22-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OIL, GAS AND MINING
Larry Stain
Huntington Laboratory

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

STREAM SITE ST-6

Stream Location: Lower C Canyon, below mine site, T 14 S, R 13 E, Section 15, NE¼NE¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
05/21/98	1015					0	No flow since last visit
06/19/98	1320					0	No sign of flow since last visit
07/20/98	1100					0	No sign of flow since last visit
08/04/98	1400					0	No sign of flow since last visit, but evidence of flow downstream of site
08/31/98	1045					0	No sign of flow since last visit
09/15/98	0930					0	No sign of flow since last visit, but some very minor flow occurred between ST 6 and 6a
10/29/98	1030					0	Observation taken at old site: no sign of flow since last visit. (New site and equipment obliterated by road construction.)
Maximum Value							
Minimum Value							
Average							
Standard Deviation							
Count						0	

entered + processed to DB 6/16/2000 KV

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APR 01 1999

4-26-00

ANDALEX RESOURCES, INC. WEST RIDGE PROJECT
BASELINE WATER MONITORING REPORT - 1997
FIELD PARAMETERS

STREAM SITE ST-6

Stream Location: Lower C Canyon, below mine site, T 14 S, R 13 E, Section 15, NE¼NE¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
04/25/97	1300					0	No sign of recent flow
05/08/97	1300					0	No sign of flow since last visit
05/12/97	1000					0	No sign of flow since last visit
05/21/97	1215					0	No sign of flow since last visit
05/27/97	1200					0	No sign of flow since last visit
06/11/97	1245					0	No sign of flow since last visit
06/26/97	1415					0	No sign of flow since last visit
07/10/97	1530					0	No sign of flow since last visit
07/29/97	1440					0	No sign of flow since last visit
08/08/97	1100					0	No sign of flow since last visit
08/25/97	1225					0	No sign of flow since last visit
09/22/97	1000					0	No sign of flow since last visit
10/22/97	1145					0	No sign of flow since last visit
Maximum Value							
Minimum Value							
Average							
Standard Deviation							
Count							

entered + processed to DB 6/16/2000 KW

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WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

STREAM SITE ST-6a

Stream Location: Upper C Canyon, above mine site, T 13 S, R 14 E, Section 11, SW¼SW¼ (moved to SW¼NE¼ spring 98)

Date	Time	pH (std. units)	Conductivity (μS)	Temper-ature (° C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
05/21/98	1000					0	No sign of flow since last visit
06/19/98	1300					0	No sign of flow since last visit
07/20/98	1800					0	No sign of flow since last visit
08/31/98	1015					0	No sign of flow since last visit
09/15/98	0900					0	No sign of flow since last visit
10/29/98	0945					0	No sign of flow since last visit
Maximum Value							
Minimum Value							
Average							
Standard Deviation							
Count						6	

OK for EDI 6/15/2000 KW

Updated to DB. 6/15/2000 KW

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10-26-00 DT

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BASELINE WATER MONITORING REPORT - 1997
FIELD PARAMETERS

STREAM SITE ST-6a

Stream Location: Upper C Canyon, above mine site, T 13 S, R 14 E, Section 11, SW¼SW¼ (moved to SW¼NE¼ spring 98)

Date	Time	pH (std. units)	Conductivity (μS)	Temper-ature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
04/25/97	1400					0	No sign of recent flow
05/08/97	1330					0	No sign of flow since last visit
05/12/97	0930					0	No sign of flow since last visit
05/21/97	1200					0	No sign of flow since last visit
05/27/97	1230					0	No sign of flow since last visit
06/11/97	1230					0	No sign of flow since last visit
06/26/97	1400					0	No sign of flow since last visit
07/10/97	1530					0	No sign of flow since last visit
07/29/97	1430					0	No sign of flow since last visit
08/08/97	1045					0	No sign of flow since last visit
08/25/97	1215					0	No sign of flow since last visit
09/22/97	0945					0	No sign of flow since last visit
10/22/97	1130					0	No sign of flow since last visit
Maximum Value							
Minimum Value							
Average							
Standard Deviation							
Count							

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WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

STREAM SITE ST-7

Stream Location: A Canyon, below forks, T 14 S, R 13 E, Section 23, SE¼SW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temper-ature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
05/21/98	1130					0	No sign of recent flow
06/19/98	1430					0	No sign of flow since last visit
07/20/98	1200					0	No sign of flow since last visit
08/31/98	1430					0	Recent small event, about .3 on gage, not high enough for sampler
09/15/98	1115					0	Recent small event, not high enough for sampler
10/29/98	1400					0	No sign of flow since last visit
Maximum Value							
Minimum Value							
Average							
Standard Deviation							
Count						0	

updates to DA
6/16/2000 [illegible]

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4-26-00 [illegible]

ANDALEX RESOURCES, INC. WEST RIDGE PROJECT
BASELINE WATER MONITORING REPORT - 1997
FIELD PARAMETERS

STREAM SITE ST-7

Stream Location: A Canyon, below forks, T 14 S, R 13 E, Section 23, SE¼SW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temper-ature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
05/12/97	1200					0	No sign of recent flow
05/21/97	1315					0	No sign of flow since last visit
05/27/97	0930					0	Recent minor flow; 0.2 crest; sample inlet higher so no sample
06/11/97	1100					0	No sign of flow since last visit
06/26/97	1520					0	No sign of flow since last visit
07/29/97	1600					0	No sign of flow since last visit
08/08/97	1200					0	No sign of flow since last visit
08/25/97	1545					0	No sign of flow since last visit
09/22/97	1200	8.1	570			0	0.4' crest, likely from 9/20; buried sampler filled; pH and conductivity from buried sampler
10/22/97	1600					0	No sign of flow since last visit
Maximum Value		8.1	570				
Minimum Value		8.1	570				
Average		8.1	570				
Standard Deviation		??	??				
Count		1	1				

entered, processed, updated 6/16/2000 [illegible]

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EFFECTIVE:
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UTAH DIVISION OF OIL, GAS AND MINING

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-953-9300 FAX: 630-953-9308

ESTABLISHED SINCE 1908®

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PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020
HUNTINGTON, UT 84528
TEL: (801) 653-2311
FAX: (801) 653-2436

October 6, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Entered 6/16, processed & updated as DB 6/16/2000. K

Sample identification by
ANDALEX RESOURCES

ST-7 A CANYON RUNOFF

Rec'd 0530 hr.
Sampled
pH - 8.1 Cond 570

Kind of sample reported to us	Water
Sample taken at	Andalex
Sample taken by	Andalex
Date sampled	September 20, 1997
Date received	September 26, 1997

NOTE: AUTOMATIC SAMPLER LIKELY FROM 9-20-97.
NOTE: SAMPLE PRESERVED AT LAB!
SAMPLE IS DARK IN COLOR!

Analysis report no. 59-17813

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	53.0	10.0	mg/l	EPA 236.1	10-01-1997 1945 MK
Manganese, Total	1.8	0.1	mg/l	EPA 243.1	10-01-1997 2015 MK
Solids, Total Dissolved	260	10	mg/l	EPA 160.1	09-29-1997 0700 JC
Solids, Total Suspended	3660	5	mg/l	EPA 160.2	09-29-1997 0700 JC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

MEMBER ACIL

9-19-00 DT

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

December 1, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK + update 11/20/00 KW

Sample identification by

WEST RIDGE (STREAM)
ST-8
LOWER WHITMORE STREAM
Rec'd 1200 hr.
Sampled 0915 hr.

FIELD MEASUREMENTS

pH	7.5
DO	10.0
Conductivity	650
Temperature	4.0°C

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled November 2, 1999

Date received November 3, 1999

Analysis report no. 59-20844

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	372	5	mg/l	as HCO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Total	314	5	mg/l	as $CaCO_3$	EPA 310.1	11-12-1999 0945	MK
Anions	7.9	----	meq/l		---------	11-16-1999 0900	RJ
Calcium, Dissolved	49	1	mg/l		EPA 215.1	11-12-1999 1255	SC
Cations	7.7	----	meq/l		---------	11-16-1999 0900	RJ
Chloride	3	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Hardness, Total	299	----	mg/l	as $CaCO_3$	SM2340-B	11-16-1999 0900	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Magnesium, Dissolved	43	1	mg/l		EPA 242.1	11-12-1999 1300	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Oil & Grease	<2	2	mg/l		EPA 413.1	11-11-1999 0900	SC
Potassium, Dissolved	1	1	mg/l		EPA 258.1	11-12-1999 1020	SC
Sodium, Dissolved	39	1	mg/l		EPA 273.1	11-12-1999 1220	SC
Solids, Total Dissolved	443	10	mg/l		EPA 160.1	11-04-1999 0600	MK
Solids, Total Suspended	<5	5	mg/l		EPA 160.2	11-04-1999 0600	MK
Sulfate	82	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Cation/Anion Balance	-1.2	----	%			11-16-1999 0900	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

SURFACE WATER MONITORING DATA
LOCATION: ST-8 Lower Whitmore
1999

Open at times

PARAMETERS	UNITS	SAMPLE DATES					
DATE OF EVENT		4/22/99	05/26/99	06/17/99	08/25/99		
WATER LEVEL OR FLOW		4.4 cfs	10.2 cfs	5.0 cfs	0.2 cfs		
TEMPERATURE (FIELD)	C	6	13.6	14.7	17		
DISSOLVED OXYGEN (FIELD)	MG/L	9.0	15.2	14.2	10.9		
pH (FIELD)	S.U.	8.6	8.8	8.1	8.2		
pH (LAB)	S.U.	a	a	a	a		
CONDUCT. (FIELD)	UMHOS/CM @ 25C	a	590	540	630		
CONDUCT. (LAB)	UMHOS/CM @ 25C	676	a	a	a		
TOTAL DISSOLVED SOLIDS	MG/L	379	a	307	388		
TOTAL SETTLEABLE SOLIDS	MG/L	<0.5	a	<0.4	a		
TOTAL SUSPENDED SOLIDS	MG/L	7	a	178	<5		
TOTAL HARDNESS AS CaCO3	MG/L	318	a	277	269		
OIL AND GREASE	MG/L	i	i	i	<2		
NITRITE	MG/L	<0.03	a	<0.03	a		
TOTAL, NITRATE/NITRITE	MG/L	0.1	a	0.08	a		
NITROGEN, AMMONIA	MG/L	<0.5	a	<0.5	a		
BICARBONATE AS HCO3	MG/L	360	a	350	336		
CARBONATE AS CO3	MG/L	12	a	7	<5		
MAJOR CATIONS	MEQ/L	7.7	a	6.5	6.9		
MAJOR ANIONS	MEQ/L	8.2	a	6.8	7.3		
ACIDITY	MG/L	<10	a	<10	a		
ALKALINITY	MG/L	314	a	298	281		
ALUMINUM	MG/L	<1	a	<1	a		
ARSENIC	MG/L	<0.01	a	<0.01	a		
BARIUM	MG/L	a	a	a	a		
BORON	MG/L	0.3	a	0.2	a		
CADMIUM	MG/L	<0.01	a	<0.01	a		
CALCIUM	MG/L	53	a	50	40		
CHLORIDE	MG/L	3	a	2	3		
CHROMIUM	MG/L	a	a	a	a		
COPPER	MG/L	<0.1	a	<0.1	a		
IRON, DISSOLVED	MG/L	<1.0	a	<0.1	<0.1		
IRON, TOTAL	MG/L	0.1	a	4.4	<0.1		
LEAD	MG/L	<0.1	a	<0.1	a		
MAGNESIUM	MG/L	45	a	37	41		
MANGANESE, DISSOLVED	MG/L	<0.1	a	<0.1	<0.1		
MANGANESE, TOTAL	MG/L	<0.1	a	0.1	<0.1		
MERCURY	MG/L	a	a	a	a		
MOLYBDENUM	MG/L	<0.1	a	<0.1	a		
NICKEL	MG/L	a	a	a	a		
PHOSPHORUS, ORTHO-PO4	MG/L	<0.05	a	<0.05	a		
POTASSIUM	MG/L	1	a	2	<1		
SELENIUM	MG/L	<0.01	a	<0.01	a		
SODIUM	MG/L	30	a	21	36		
SULFATE	MG/L	87	a	38	83		
ZINC	MG/L	0.03	a	<0.01	a		
CATION/ANION BALANCE	%	-3.3	a	-2.7	-2.7		

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT -
FIELD PARAMETERS

STREAM SITE ST-8

updates to DB 6/16/2000 KW

Stream Location: Lower Whitmore Canyon above Water Canyon, T 14 S, R 14 E, Section 17, SW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	
04/28/98	1545	8.9	480	10	9.5	14.6	
05/19/98	1330	8.8	390	9	10.0	+/- 60	
06/22/98	1345	8.8	430	15	10.5	15	
07/28/98	1630	8.7	480	10	9	8	rain, lightning
08/23/98	1300	8.9	550	18	9	2.5	No oil sheen; sampled
09/29/98	0930	8.4	480	11	9	1.2	No oil sheen; not sampled
10/13/98	1500	8.6	530	11	10.0	4.4	No oil sheen; sampled
Maximum Value		8.9	550	18	10.5	60.0	
Minimum Value		8.4	390	9	9	1.2	
Average		8.7	477	12.0	9.6	15.1	
Standard Deviation		0.18	54.69	3.27	0.61	20.55	
Count		7	7	7	7	7	

UTAH DIVISION OIL, GAS AND MINING
INCORPORATED
EFFECTIVE:
APR 01 1999

OK for EDI 6/16/2000 KW
update to DB 6/16/2000 KW

4-26-00 DT

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

STREAM SITE ST-8

Stream Location: Lower Whitmore Canyon above Water Canyon, T 14 S, R 14 E, Section 17, SW¼NW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temper-ature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
04/28/98	1545	8.9	480	10	9.5	14.6	No oil sheen; sampled
05/19/98	1330	8.8	390	9	10.0	+/- 60	No oil sheen; not sampled; too high to wade
06/22/98	1345	8.8	430	15	10.5	15	No oil sheen; sampled
07/28/98	1630	8.7	480	10	9	8	No oil sheen; not sampled; flow estimated due to rain, lightning
08/23/98	1300	8.9	550	18	9	2.5	No oil sheen; sampled
09/29/98	0930	8.4	480	11	9	1.2	No oil sheen; not sampled
10/13/98	1500	8.6	530	11	10.0	4.4	No oil sheen; sampled
Maximum Value		8.9	550	18	10.5	60.0	
Minimum Value		8.4	390	9	9	1.2	
Average		8.7	477	12.0	9.6	15.1	
Standard Deviation		0.18	54.69	3.27	0.61	20.55	
Count		7	7	7	7	7	

UTAH DIVISION OIL, GAS AND MINING
INCORPORATED
EFFECTIVE:
APR 01 1999

OK for EDI 6/16/2000 [illegible]
update to DB 6/16/2000 [illegible]

4-26-00 [illegible]

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10-11-00 DJ

September 14, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 11/20 DJ

Sample identification by

WEST RIDGE (STREAM)
ID:ST-8

Kind of sample reported to us Water

Rec'd 0950 hr.
Sampled 1415 hr.

FIELD MEASUREMENTS

pH	8.2
DO	10.9
Conductivity	630
Temperature	17.0°C

Sample taken at

Sample taken by

Date sampled August 25, 1999

Date received August 26, 1999

DISSOLVED METALS FILTERED AT LAB.

Analysis report no. 59-20433

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	336	5	mg/l	as HCO_3	EPA 310.1	09-08-1999 1400	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	09-08-1999 1400	KP
Alkalinity, Total	285? 285	5	mg/l	as $CaCO_3$	EPA 310.1	09-08-1999 1400	KP
Anions	7.3 7.2	----	meq/l		---------	09-13-1999 0930	RJ
Calcium, Dissolved	40	1	mg/l		EPA 215.1	09-02-1999 0730	SC
Cations	6.9	----	meq/l		---------	09-13-1999 0930	RJ
Chloride	3	1	mg/l		EPA 300.0	09-02-1999 0733	MK
Hardness, Total	269	----	mg/l	as $CaCO_3$	SM2340-B	09-13-1999 0930	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	09-01-1999 0930	SC
Magnesium, Dissolved	41	1	mg/l		EPA 242.1	09-02-1999 1010	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-01-1999 1200	SC
Oil & Grease	<2	2	mg/l		EPA 413.1	08-30-1999 0900	SC
Potassium, Dissolved	<1	1	mg/l		EPA 258.1	09-01-1999 1330	SC
Sodium, Dissolved	36	1	mg/l		EPA 273.1	09-02-1999 1040	SC
Solids, Total Dissolved	388	10	mg/l		EPA 160.1	08-31-1999 0800	KP
Solids, Total Suspended	<5	5	mg/l		EPA 160.2	08-31-1999 0800	KP
Sulfate	83	1	mg/l		EPA 300.0	09-02-1999 0733	MK
Cation/Anion Balance	-2.7	----	%			09-13-1999 0930	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

MEMBER ACIL

9-21-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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July 12, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to upload 10/20/2000 KW

Sample identification by

WEST RIDGE (STREAM)
ID:ST-8

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 17, 1999

Date received June 17, 1999

Rec'd 1400 hr.
Sampled 1240 hr.

FIELD MEASUREMENTS

pH	8.1
DO	14.2
Conductivity	540
Temperature	14.7°C

AMMENDED REPORT FOR BICARBONATE.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-20013

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	06-22-1999 1330 KP
Alkalinity, Bicarbonate	350	5	mg/l as HCO_3	EPA 310.1	06-17-1999 1650 KP
Alkalinity, Carbonate	7	5	mg/l as CO_3	EPA 310.1	06-17-1999 1650 KP
Alkalinity, Total	298	5	mg/l as $CaCO_3$	EPA 310.1	06-17-1999 1650 KP
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	06-22-1999 1846 SC
Anions	6.8	----	meq/l	---------	06-30-1999 1300 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-21-1999 1130 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	06-23-1999 0730 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	06-22-1999 1547 SC
Calcium, Dissolved	50	1	mg/l	EPA 215.1	06-30-1999 1018 SC
Cations	6.5	----	meq/l	---------	06-30-1999 1300 RJ
Chloride	2	1	mg/l	EPA 300.0	06-18-1999 0800 MK
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	06-22-1999 1507 SC
Hardness, Total	277	----	mg/l as $CaCO_3$	SM2340-B	06-30-1999 1300 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	06-22-1999 0923 SC
Iron, Total	4.4	0.1	mg/l	EPA 236.1	06-22-1999 0923 SC
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	06-22-1999 1603 SC
Magnesium, Dissolved	37	1	mg/l	EPA 242.1	06-30-1999 1220 SC
Manganese, Total	0.1	0.1	mg/l	EPA 243.1	06-22-1999 1041 SC
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-22-1999 1041 SC
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	06-22-1999 1905 SC
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	06-23-1999 0800 SC
Nitrogen, Nitrate-Nitrite	0.08	0.03	mg/l as N	EPA 300.0	06-18-1999 0800 MK
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	06-18-1999 0800 MK

Respectfully submitted.
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

9-21-00 DJ

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July 12, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ID:ST-8

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 17, 1999

Date received June 17, 1999

Rec'd 1400 hr.
Sampled 1240 hr.

FIELD MEASUREMENTS

pH	8.1
DO	14.2
Conductivity	540
Temperature	14.7°C

AMMENDED REPORT FOR BICARBONATE.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-20013

ameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
& Grease	<2	2	mg/l	EPA 413.1	07-06-1999 0830	SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	06-18-1999 0800	MK
Potassium, Dissolved	2	1	mg/l	EPA 258.1	06-22-1999 1238	SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-28-1999 0830	MK
Sodium, Dissolved	21	1	mg/l	EPA 273.1	06-22-1999 1330	SC
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	06-17-1999 1515	MK
Solids, Total Dissolved	307	10	mg/l	EPA 160.1	06-21-1999 1200	KP
Solids, Total Suspended	178	5	mg/l	EPA 160.2	06-21-1999 1200	KP
Sulfate	38	1	mg/l	EPA 300.0	06-18-1999 0800	MK
Zinc, Dissolved	<0.01	0.01	mg/l	EPA 289.1	06-22-1999 1528	SC
Cation/Anion Balance	-2.7	----	%		06-30-1999 1300	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER ACIL

9-27-00

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

June 1, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2006

Sample identification by

WEST RIDGE (STREAM)
ST-8

Kind of sample reported to us Water

Rec'd 1210 hr.
Sampled 1045 hr.

Sample taken at

Sample taken by

Date sampled April 22, 1999

Date received April 22, 1998

DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19817

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	04-26-1999 0800 KP
Alkalinity, Bicarbonate	360	5	mg/l as HCO_3	EPA 310.1	04-23-1999 1000 KP
Alkalinity, Carbonate	12	5	mg/l as CO_3	EPA 310.1	04-23-1999 1000 KP
Alkalinity, Total	314	5	mg/l as $CaCO_3$	EPA 310.1	04-23-1999 1000 KP
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	05-24-1999 1215 SC
Anions	8.2	----	meq/l	---------	05-25-1999 0930 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	04-27-1999 1015 MK
Boron, Dissolved	0.3	0.1	mg/l	EPA 212.3	05-20-1999 0630 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	05-24-1999 1515 SC
Calcium, Dissolved	53	1	mg/l	EPA 215.1	05-20-1999 1500 SC
Cations	7.7	----	meq/l	---------	06-01-1999 1315 MK
Chloride	3	1	mg/l	EPA 300.0	04-23-1999 0929 SC
Conductivity	676	1	umhos/cm	SM2510-B	04-26-1999 1500 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	05-24-1999 1415 SC
Hardness, Total	318	----	mg/l as $CaCO_3$	SM2340-B	05-25-1999 0930 RJ
Iron, Dissolved	<1.0	0.1	mg/l	EPA 236.1	05-18-1999 1210 SC
Iron, Total	0.1	0.1	mg/l	EPA 236.1	05-18-1999 1147 SC
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	05-24-1999 1545 SC
Magnesium, Dissolved	45	1	mg/l	EPA 242.1	05-20-1999 1530 SC
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	05-20-1999 1045 SC
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	05-20-1999 1045 SC
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	05-24-1999 1315 SC
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	04-28-1999 0800 SC
Nitrogen, Nitrate-Nitrite	0.1	0.03	mg/l as N	EPA 300.0	04-23-1999 0929 SC

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

9-21-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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TEL: (435) 653-2311
FAX: (435) 653-2436

June 1, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-8

Kind of sample reported to us Water

Rec'd 1210 hr.
Sampled 1045 hr.

Sample taken at

Sample taken by

Date sampled April 22, 1999

Date received April 22, 1998

DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19817

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	04-23-1999 0929 SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	04-23-1999 0929 SC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	05-20-1999 1330 SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	04-27-1999 1300 MK
Sodium, Dissolved	30	1	mg/l	EPA 273.1	05-27-1999 1400 SC
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	04-22-1999 1230 MK
Solids, Total Dissolved	379	10	mg/l	EPA 160.1	04-27-1999 0800 KP
Solids, Total Suspended	7	5	mg/l	EPA 160.2	04-27-1999 0800 KP
Sulfate	87	1	mg/l	EPA 300.0	04-23-1999 0929 SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	05-24-1999 1500 SC
Cation/Anion Balance	-3.3	----	%		06-01-1999 1315 MK

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

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F-465

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FAX: (435) 653-2436

December 17, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Entered 6/16/2000 KW, OK for EDI

Sample identification by 6/16/2000 KW

WEST RIDGE (STREAM)
ST-8
LOWER WHITMORE

Update to DB 6/16/2000 KW

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 13, 1998

Date received October 14, 1998

Rec'd 0944 hr.
Sampled 1500 hr.

FIELD MEASUREMENTS

pH	8.6
Conductivity	530
Temperature	52°F

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19316

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	10-19-1998 1114 DL
Alkalinity, Bicarbonate	354	5	mg/l as HCO_3	SM2320-B	10-23-1998 1006 DL
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	10-23-1998 1006 DL
Alkalinity, Total	290	5	mg/l as $CaCO_3$	EPA 310.1	10-23-1998 1006 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	11-29-1998 0715 MK
Anions	7.7	----	meq/l	---------	12-02-1998 0800 SC
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	12-10-1998
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	11-19-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	11-29-1998 1300 MK
Calcium, Dissolved	50	1	mg/l	EPA 215.1	11-29-1998 0845 MK
Cations	7.1	----	meq/l	---------	11-19-1998 1000 SC
Chloride	27	1	mg/l	EPA 300.0	11-11-1998 0843 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	11-29-1998 1400 MK
Hardness, Total	294	----	mg/l as $CaCO_3$	SM2340-B	12-02-1998 0851 SC
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	11-29-1998 1015 MK
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	11-29-1998 1015 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	11-29-1998 1315 MK
Magnesium, Dissolved	41	1	mg/l	EPA 242.1	11-29-1998 0930 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	11-29-1998 1100 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	11-29-1998 1100 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	11-29-1998 0800 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	11-10-1998 1100 SC
Nitrogen, Nitrate-Nitrite	0.1	0.1	mg/l as N	EPA 300.0	10-14-1998 1000 SC
Nitrogen, Nitrite	0.20	0.03	mg/l as N	EPA 300.0	10-14-1998 1000 SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

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December 17, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-8
LOWER WHITMORE

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 13, 1998

Date received October 14, 1998

Rec'd 0944 hr.
Sampled 1500 hr.
FIELD MEASUREMENTS
pH 8.6
Conductivity 530
Temperature 52°F

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19316

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Oil & Grease	<2	2	mg/l	SM5520-B	10-16-1998 0800 SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-14-1998 1000 SC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	11-29-1998 1145 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	27	1	mg/l	EPA 273.1	11-29-1998 1215 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	10-15-1998 1140 MK
Solids, Total Dissolved	412	10	mg/l	EPA 160.1	10-20-1998 0900 DL
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	10-20-1998 0900 DL
Sulfate	57	1	mg/l	EPA 300.0	12-01-1998 1200 SC
Zinc, Dissolved	0.04	0.01	mg/l	EPA 289.1	11-29-1998 1415 MK
Cation/Anion Balance	-4.6	----	%		12-02-1998 0851 SC

INCORPORATED
EFFECTIVE:
APR 01 1900
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (435) 653-2436

4-26-00 DB

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/16/2000 hw

Sample identification by

WEST RIDGE (STREAM)
ST-8 WHITMORE STREAM-LOWER

update to DB 6/16/2000 hw

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 23, 1998

Date received August 24, 1998

Rec'd 1045 hr.
Sampled 1300 hr.

FIELD MEASUREMENTS

pH	8.9
Conductivity	550
Temperature	18.0°C

D.O. 9.0

Flow 2.5 CFS

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18957

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	09-03-1998 0755 DL
Alkalinity, Bicarbonate	277	5	mg/l as HCO_3	SM2320-B	09-03-1998 0925 DL
Alkalinity, Carbonate	28	5	mg/l as CO_3	SM2320-B	09-03-1998 0925 DL
Alkalinity, Total	274	5	mg/l as $CaCO_3$	EPA 310.1	09-03-1998 0925 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	09-14-1998 1430 MK
Anions	7.0	----	meq/l	---------	09-19-1998 1600 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	09-15-1998 0930 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	09-17-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	09-14-1998 0900 MK
Calcium, Dissolved	45	1	mg/l	EPA 215.1	09-14-1998 1300 MK
Cations	6.9	----	meq/l	---------	09-19-1998 1600 RJ
Chloride	3	1	mg/l	EPA 300.0	08-24-1998 1100 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	09-14-1998 0800 MK
Hardness, Total	281	----	mg/l as $CaCO_3$	SM2340-B	09-19-1998 1600 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-14-1998 0945 MK
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	09-14-1998 0945 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	09-14-1998 0915 MK
Magnesium, Dissolved	41	1	mg/l	EPA 242.1	09-14-1998 1330 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	09-14-1998 1045 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	09-14-1998 1045 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	09-14-1998 1530 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.2	09-01-1998 1300 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 300.0	08-24-1998 1111 SC
Nitrogen, Nitrite	<0.03	0.01	mg/l as N	EPA 300.0	08-24-1998 1111 SC

INCORPORATED
EFFECTIVE
APR 01 1997

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH OIL, GAS AND MINING

Huntington Laboratory

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FAX: (435) 653-2436

4-26-00 DJ

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (STREAM)
ST-8 WHITMORE STREAM-LOWER

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 23, 1998

Date received August 24, 1998

Rec'd 1045 hr.
Sampled 1300 hr.

FIELD MEASUREMENTS

pH	8.9
Conductivity	550
Temperature	18.0°C

NOTE:DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18957

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.03	0.01	mg/l as	EPA 300.0	08-24-1998 1111	SC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	09-14-1998 1130	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500	MK
Sodium, Dissolved	28	1	mg/l	EPA 273.1	09-14-1998 1200	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	08-24-1998 1230	MK
Solids, Total Dissolved	382	10	mg/l	EPA 160.1	08-27-1998 0831	DL
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	08-27-1998 0831	DL
Sulfate	70	1	mg/l	EPA 300.0	08-24-1998 1100	SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	09-14-1998 0815	MK
Cation/Anion Balance	-1.1	----	%		09-19-1998 1600	RJ

INCORPORATED
EFFECTIVE:
APR 01 1900
UTAH DIVISION OIL, GAS AN

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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4-26-00 DJ

July 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for EDI 6/16/2000 KW

Sample identification by
ANDALEX RESOURCES

ST-8
LOWER WHITMORE

updated to DB 6/16/2000

Rec'd 0900 hr.
Sampled 1345 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 22, 1998

Date received June 23, 1998

FIELD MEASUREMENTS

pH	8.8
Do	10.5
Conductivity	430
Temperature	15°C

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18712

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	06-30-1998 1500 DL
Alkalinity, Bicarbonate	261	5	mg/l as HCO_3	SM2320-B	06-30-1998 0903 DL
Alkalinity, Carbonate	37	5	mg/l as CO_3	SM2320-B	06-30-1998 0906 DL
Alkalinity, Total	276	5	mg/l as $CaCO_3$	EPA 310.1	06-30-1998 0903 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	07-13-1998 1551 MK
Anions	7.0	----	meq/l	---------	07-16-1998 1200 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-29-1998 1415 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	07-09-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	07-13-1998 0859 MK
Calcium, Dissolved	51	1	mg/l	EPA 215.1	07-13-1998 1348 MK
Cations	6.3	----	meq/l	---------	07-16-1998 1200 RJ
Chloride	4	1	mg/l	SM4500-Cl-B	07-10-1998 0822 DL
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	07-13-1998 0732 MK
Hardness, Total	271	----	mg/l as $CaCO_3$	SM2340-B	07-16-1998 1300 RJ
Iron, Total	0.1	0.1	mg/l	EPA 236.1	07-06-1998 0730 MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	07-13-1998 1006 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	07-13-1998 0911 MK
Magnesium, Dissolved	35	1	mg/l	EPA 242.1	07-13-1998 1445 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	07-06-1998 0815 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	07-13-1998 1105 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	07-13-1998 1650 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	07-10-1998 0750 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.3	07-09-1998 0800 SC
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	06-24-1998 0800 SC

INCORPORATED
EFFECTIVE:
APR 01 1000
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER ACIL

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4-26-00 DJ

July 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ST-8
LOWER WHITMORE

Rec'd 0900 hr.
Sampled 1345 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 22, 1998

Date received June 23, 1998

FIELD MEASUREMENTS

pH	8.8
Do	10.5
Conductivity	430
Temperature	15°C

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18712

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	0.02	0.01	mg/l as P	SM4500-P-E	06-23-1998 1415 MK
Potassium, Dissolved	1	1	mg/l	EPA 258.1	07-13-1998 1149 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-29-1998 1015 MK
Sodium, Dissolved	20	1	mg/l	EPA 273.1	07-13-1998 1242 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	06-23-1998 1200 SC
Solids, Total Dissolved	330	10	mg/l	EPA 160.1	06-24-1998 0900 SC
Solids, Total Suspended	13	5	mg/l	EPA 160.2	06-24-1998 0900 SC
Sulfate	64	25	mg/l	EPA 375.4	07-08-1998 0838 DL
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	07-13-1998 0816 MK
Cation/Anion Balance	-4.8	----	%		07-16-1998 1200 RJ

INCORPORATED
EFFECTIVE:
APR 01 100

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

UTAH DIVISION OIL, GAS AND

Huntington Laboratory

MEMBER ACIL

4-26-00 DJ

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June 15, 1998

ANDALEX RESOURCES
P.O. Box 902
Price UT 84501

entered field data, ok for EDI · 6/16/2000 KW

Sample identification by
ANDALEX RESOURCES

update to DB 6/16/2000

ST-8 LOWER WHITMORE

Kind of sample reported to us Water

Rec'd 0920 hr.
Sampled 1545 hr.

Sample taken at Andalex

pH · 8.9 Temp 9°C

Sample taken by Andalex

cond. 480 Flow +60 CFS

Date sampled April 28, 1998

D.O. · 10.0

Date received April 29, 1998

NOTE: TSS Analyzed at Timpview Labs
NOTE: Dissolved metals filtered at lab

Analysis report no. 59-18432

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	16	10	mg/l as $CaCO_3$	D1067-92	05-01-1998 1100 SC
Alkalinity, Bicarbonate	330	5	mg/l as HCO_3	SM2320-B	05-12-1998 0900 SC
Alkalinity, Carbonate	16	5	mg/l as CO_3	SM2320-B	05-12-1998 0900 SC
Alkalinity, Total	298	5	mg/l as $CaCO_3$	EPA 310.1	05-12-1998 0900 SC
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	05-04-1998 0945 MK
Anions	8.0	----	meq/l	---------	05-20-1998 1215 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	05-06-1998 0930 MK
Boron, Dissolved	0.2	0.1	mg/l	EPA 212.3	05-07-1998 0815 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	05-05-1998 0900 MK
Calcium, Dissolved	53	1	mg/l	EPA 215.1	05-04-1998 1115 MK
Cations	7.7	----	meq/l	---------	05-20-1998 1215 RJ
Chloride	1	1	mg/l	SM4500-Cl-B	05-05-1998 1135 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	05-05-1998 0815 MK
Hardness, Total	318	----	mg/l as $CaCO_3$	SM2340-B	05-20-1998 1215 RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	05-05-1998 0615 MK
Iron, Total	0.2	0.1	mg/l	EPA 236.1	05-01-1998 0630 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	05-05-1998 0915 MK
Magnesium, Dissolved	45	1	mg/l	EPA 242.1	05-04-1998 1130 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	05-01-1998 0700 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	05-05-1998 0630 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	05-04-1998 1030 MK
Nitrogen, Ammonia	0.1	0.5	mg/l as N	EPA 350.3	05-22-1998 1200 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.3	05-22-1998 0600 SC
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	04-30-1998 0815 SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Stort

Huntington Laboratory

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June 15, 1998

ANDALEX RESOURCES
P.O. Box 902
Price UT 84501

Sample identification by
ANDALEX RESOURCES

ST-8 LOWER WHITMORE

Rec'd 0920 hr.
Sampled 1545 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled April 28, 1998

Date received April 29, 1998

NOTE: TSS Analyzed at Timpview Labs
NOTE: Dissolved metals filtered at lab

Analysis report no. 59-18432

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	0.08	0.01	mg/l as P	SM4500-P-E	04-30-1998 0730 MK
Potassium, Dissolved	2	1	mg/l	EPA 258.1	05-05-1998 0700 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	05-06-1998 1200 MK
Sodium, Dissolved	30	1	mg/l	EPA 273.1	05-05-1998 0715 MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	04-30-1998 0700 MK
Solids, Total Dissolved	355	10	mg/l	EPA 160.1	05-29-1998 0845 SC
Solids, Total Suspended	11	4	mg/l	EPA 160.2	05-01-1998 0900
Sulfate	39	25	mg/l	EPA 375.4	05-04-1998 1200 SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	05-05-1998 0830 MK
Cation/Anion Balance	-2.1	----	%		05-20-1998 1215 RJ

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Stout
UTAH DIVISION OIL, GAS AND MINING
Huntington Laboratory

MEMBER ACIL

4-12-00 DJ

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FAX: (801) 653-2436

October 30, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

entered Field, OK to EDI 6/16/2000

Sample identification by
ANDALEX RESOURCES

ST-8

Updated to DB 6/16/2000

Rec'd 1545 hr.
Sampled 1340 hr.

pH 9.2 Cond. 530

Temp 15 D.O. 10.4

Flow - 1.3 CFS

Dissolved Boron filtered at lab!

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled October 1, 1997

Date received October 1, 1997

Analysis report no. 59-17838

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	10-03-1997 1300	SC
Alkalinity, Bicarbonate	332	5	mg/l as HCO_3	SM2320-B	10-09-1997 0800	SC
Alkalinity, Carbonate	14	5	mg/l as CO_3	SM2320-B	10-09-1997 0800	SC
Alkalinity, Total	296	5	mg/l as $CaCO_3$	EPA 310.1	10-09-1997 0800	SC
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	10-07-1997 0145	MK
Anions	7.8	----	meq/l	---------	10-29-1997 0900	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	10-08-1997 1915	MK
Boron, Dissolved	<0.1	0.1	mg/l	EPA 212.3	10-07-1997 1930	MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	10-06-1997 0715	MK
Calcium, Dissolved	48	1	mg/l	EPA 215.1	10-07-1997 0030	MK
Cations	6.9	----	meq/l	---------	10-29-1997 0900	RJ
Chloride	4	1	mg/l	SM4500-Cl-B	10-13-1997 0800	SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	10-06-1997 0600	MK
Hardness, Total	280	----	mg/l as $CaCO_3$	SM2340-B	10-29-1997 0900	RJ
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	10-06-1997 2245	MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	10-06-1997 2245	MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	10-06-1997 0730	MK
Magnesium, Dissolved	39	1	mg/l	EPA 242.1	10-07-1997 0100	MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	10-06-1997 2315	MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	10-06-1997 2315	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	10-07-1997 0245	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	10-20-1997 0930	RJ
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.3	10-28-1997 0400	RJ
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 364.1	10-[illegible]-1997 0700	JC

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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4-12-00 DT

October 30, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ST-8

Rec'd 1545 hr.
Sampled 1340 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled October 1, 1997

Date received October 1, 1997

Dissolved Boron filtered at lab!

Analysis report no. 59-17838

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.02	0.01	mg/l as P	SM4500-P-E	10-03-1997 0700	JC
Potassium, Dissolved	1	1	mg/l	EPA 258.1	10-06-1997 2330	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	10-08-1997 2230	MK
Sodium, Dissolved	29	1	mg/l	EPA 273.1	10-07-1997 0000	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	10-03-1997 0130	MK
Solids, Total Dissolved	350	10	mg/l	EPA 160.1	10-07-1997 0700	JC
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	10-07-1997 0700	JC
Sulfate	84	25	mg/l	EPA 375.4	10-07-1997 1350	SC
Zinc, Dissolved	<0.01	0.01	mg/l	EPA 289.1	10-06-1997 0630	MK
Cation/Anion Balance	-6.0	----	%		10-29-1997 0900	RJ

INCORPORATED
EFFECTIVE:
APR 01 1990

Respectfully submitted,
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September 25, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

entered field, OK for EDI 6/16/2000 K

Sample identification by
ANDALEX RESOURCES

ANDALEX WEST RIDGE
ST-8

update to DB 6/16/2000 K

Rec'd 0945 hr.
Sampled 1445 hr.

pH - 8.7 Flow - 1.0 cfs
Temp 17°C
cond 520 D.O. - 10.0

Kind of sample reported to us Water

Sample taken at

Sample taken by Andalex

Date sampled August 18, 1997

Date received August 19, 1997

Dissolved Boron filtered at lab!

Analysis report no. 59-17645

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l as $CaCO_3$	D1067-92	08-27-1997 1100 SC
Alkalinity, Bicarbonate	317	5	mg/l as HCO_3	SM2320-B	09-03-1997 0900 SC
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	09-03-1997 0900 SC
Alkalinity, Total	260	5	mg/l as $CaCO_3$	EPA 310.1	09-03-1997 0900 SC
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	09-18-1997 0415 MK
Anions	6.7	----	meq/l	---------	09-18-1997 1200 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	08-24-1997 0930 MK
Boron, Dissolved	0.1	0.1	mg/l	EPA 212.3	08-30-1997 0345 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	09-18-1997 0015 MK
Calcium, Dissolved	46	1	mg/l	EPA 215.1	09-18-1997 0300 MK
Cations	6.7	----	meq/l	---------	09-18-1997 1200 RJ
Chloride	4	1	mg/l	SM4500-Cl-B	09-11-1997 0845 RJ
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	09-17-1997 2330 MK
Hardness, Total	267	----	mg/l as $CaCO_3$	SM2340-B	09-18-1997 1200 RJ
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	09-18-1997 0115 MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-18-1997 0115 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	09-18-1997 0030 MK
Magnesium, Dissolved	37	1	mg/l	EPA 242.1	09-18-1997 0330 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	09-18-1997 0130 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	09-18-1997 0130 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	09-18-1997 0445 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	09-15-1997 0900 RJ
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.3	08-27-1997 0400 AR
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	08-19-1997 1200 JC

INCORPORATED
EFFECTIVE:
APR 01 1996

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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4-12-00 DJ

September 25, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ANDALEX WEST RIDGE
ST-8

Rec'd 0945 hr.
Sampled 1445 hr.

Kind of sample reported to us Water

Sample taken at

Sample taken by Andalex

Date sampled August 18, 1997

Date received August 19, 1997

Dissolved Boron filtered at lab!

Analysis report no. 59-17645

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.02	0.01	mg/l as P	SM4500-P-E	08-19-1997 1145	RJ
Potassium, Dissolved	1	1	mg/l	EPA 258.1	09-18-1997 0200	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	08-24-1997 1300	MK
Sodium, Dissolved	31	1	mg/l	EPA 273.1	09-18-1997 0215	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	08-25-1997 0900	SC
Solids, Total Dissolved	360	10	mg/l	EPA 160.1	08-25-1997 0700	JC
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	08-20-1997 1000	JC
Sulfate	65	25	mg/l	EPA 375.4	09-11-1997 1255	SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	09-17-1997 2345	MK
Cation/Anion Balance	0.4	----	%		09-18-1997 1200	RJ

INCORPORATED
EFFECTIVE:
APR 01 1900

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OIL, GAS AND MINING
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4-12-00 DT

July 30, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Entered 6/16/2000 [illegible] update to DB 6/16/2000

Sample identification by
ANDALEX RESOURCES

ID: West Ridge ST-8

Rec'd 1500 hr.
Sampled 1330 hr.

Kind of sample reported to us	Water
Sample taken at	Andalex
Sample taken by	Andalex
Date sampled	June 25, 1997
Date received	June 25, 1997

pH 8.7
D.O. 8.5
Flow 20.7 CFS
cond. 480
Temp 16°C

NOTE: Dissolved Boron filtered at lab!

Analysis report no. 59-17382

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	06-28-1997 2235	RJ
Alkalinity, Bicarbonate	293	5	mg/l	as HCO_3	SM2320-B	06-28-1997 1715	RJ
Alkalinity, Carbonate	12	5	mg/l	as CO_3	SM2320-B	06-28-1997 1715	RJ
Alkalinity, Total	260	5	mg/l	as $CaCO_3$	EPA 310.1	06-28-1997 1715	JC
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	07-29-1997 1315	MK
Anions	6.2	----	meq/l		---------	07-30-1997 1800	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	07-18-1997 0800	MK
Boron, Dissolved	<0.1	0.1	mg/l		EPA 212.3	07-16-1997 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	07-29-1997 0900	MK
Calcium, Dissolved	47	1	mg/l		EPA 215.1	07-29-1997 1215	MK
Cations	6.4	----	meq/l		---------	07-30-1997 1800	RJ
Chloride	3	1	mg/l		SM4500-Cl-B	07-02-1997 1400	RJ
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	07-29-1997 0800	MK
Hardness, Total	266	----	mg/l	as $CaCO_3$	SM2340-B	07-30-1997 1800	RJ
Iron, Total	0.1	0.1	mg/l		EPA 236.1	07-29-1997 1000	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	07-29-1997 1000	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	07-29-1997 0910	MK
Magnesium, Dissolved	36	1	mg/l		EPA 242.1	07-29-1997 1230	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	07-29-1997 1015	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	07-29-1997 1015	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	07-29-1997 1500	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	07-21-1997 1000	RJ
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 353.3	07-17-1997 0500	AR
Nitrogen, Nitrite	<0.01	0.01	mg/l	as N	EPA 354.1	06-27-1997 0700	JC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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Huntington Laboratory

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4-12-00 DT

July 30, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ID: West Ridge ST-8

Rec'd 1500 hr.
Sampled 1330 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled June 25, 1997

Date received June 25, 1997

NOTE:Dissolved Boron filtered at lab!

Analysis report no. 59-17382

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.03	0.01	mg/l as P	SM4500-P-E	06-25-1997 1840	RJ
Potassium, Dissolved	1	1	mg/l	EPA 258.1	07-29-1997 1115	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	07-18-1997 1130	MK
Sodium, Dissolved	24	1	mg/l	EPA 273.1	07-29-1997 1130	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	06-25-1997 1715	RJ
Solids, Total Dissolved	370	10	mg/l	EPA 160.1	06-30-1997 0730	JC
Solids, Total Suspended	8	5	mg/l	EPA 160.2	06-30-1997 0730	JC
Sulfate	45	10	mg/l	EPA 375.4	07-15-1997 0800	SC
Zinc, Dissolved	0.01	0.01	mg/l	EPA 289.1	07-29-1997 0815	MK
Cation/Anion Balance	1.2	----	%		07-30-1997 1800	RJ

INCORPORATED
EFFECTIVE:
APR 01 1900
STATE OF UTAH OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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4-12-00 DT

May 21, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

entered field date, OK to EDD 6/16/2000 hr

Sample identification by
ANDALEX RESOURCES

ID: West Ridge ST-8

updated to DB 6/16/2000

Rec'd 1300 hr.
Sampled 0900 hr.

pH: 9.1 Cond 650
Temp 5°C DO. 11.5
Flow 4.9 CFS

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 5, 1997

Date received May 5, 1997

Dissolved Boron filtered at lab!

Analysis report no. 59-17131

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	05-06-1997 0700	SW
Alkalinity, Bicarbonate	358	5	mg/l	as HCO_3	SM2320-B	05-06-1997 0900	SW
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	05-06-1997 0900	SW
Alkalinity, Total	294	5	mg/l	as $CaCO_3$	EPA 310.1	05-06-1997 0900	SW
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	05-09-1997 1115	MK
Anions	8.0	----	meq/l		---------	05-13-1997 1230	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	05-20-1997 0815	MK
Boron, Dissolved	0.2	.1	mg/l		EPA 212.3	05-16-1997 0630	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	05-09-1997 1000	MK
Calcium, Dissolved	47	1	mg/l		EPA 215.1	05-08-1997 1130	MK
Cations	7.3	----	meq/l		---------	05-13-1997 1230	RJ
Chloride	5	1	mg/l		SM4500-Cl-B	05-06-1997 1330	SW
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	05-09-1997 0900	MK
Hardness, Total	307	----	mg/l	as $CaCO_3$	SM2340-B	05-13-1997 1230	RJ
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	05-08-1997 0815	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	05-08-1997 0815	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	05-09-1997 1030	MK
Magnesium, Dissolved	46	1	mg/l		EPA 242.1	05-08-1997 1145	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	05-08-1997 0915	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	05-08-1997 0915	MK
Mercury, Dissolved	<0.2	0.2	ug/l		EPA 245.1	05-13-1997 0700	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	05-09-1997 1215	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	05-19-1997 1000	RJ
Nitrogen, Nitrate-Nitrite	0.1	0.1	mg/l	as N	EPA 353.3	05-08-1997 0700	JC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
Larry Stout
Huntington Laboratory

UTAH DIVISION OIL, GAS AND MINING

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (801) 653-2436

4-12-00 DJ

May 21, 1997

ANDALEX RESOURCES-WEST RIDGE
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

ID: West Ridge ST-8

Rec'd 1300 hr.
Sampled 0900 hr.

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 5, 1997

Date received May 5, 1997

Dissolved Boron filtered at lab!

Analysis report no. 59-17131

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Nitrogen, Nitrite	<0.01	0.01	mg/l as N	EPA 354.1	05-06-1997 1200	JC
Phosphorous, Ortho-PO_4	0.03	0.01	mg/l as P	SM4500-P-E	05-06-1997 1000	JC
Potassium, Dissolved	<1	1	mg/l	EPA 258.1	05-08-1997 1030	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	05-20-1997 1045	MK
Sodium, Dissolved	29	1	mg/l	EPA 273.1	05-08-1997 1045	MK
Solids, Settleable	<0.5	0.5	ml/l	EPA 160.5	05-05-1997 1515	SW
Solids, Total Dissolved	430	10	mg/l	EPA 160.1	05-05-1997 0700	JC
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	05-05-1997 0700	JC
Sulfate	97	50	mg/l	EPA 375.4	05-15-1997 0900	RJ
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	05-09-1997 0915	MK
Cation/Anion Balance	-5.0	----	%		05-13-1997 1230	RJ

INCORPORATED
EFFECTIVE:
APR 01 1990
UTAH DIVISION OIL, GAS AND MINING

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Larry Stout

Huntington Laboratory LJ

ANDALEX RESOURCES, INC. WEST RIDGE PROJECT
BASELINE WATER MONITORING REPORT - 1997
FIELD PARAMETERS

STREAM SITE ST-8

Stream Location: Lower Whitmore Canyon above Water Canyon, T 14 S, R 14 E, Section 17, SW¼NW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Dissolved Oxygen (mg/l)	Flow Rate (cfs)	Notes
05/05/97	0900	9.1	650	5	11.5	4.9	No snow left in area; flow clear; no oil sheen; sampled
05/28/97	1200	8.9	450	6	9	20.7	No oil sheen; not sampled
06/25/97	1330	8.7	480	16	8.5	5.9	No oil sheen; sampled
07/22/97	1215	8.4	600	15	11	1.3	No oil sheen; not sampled
08/18/97	1445	8.7	520	17	10	1.0	No oil sheen; sampled
09/17/97	1145	8.9	520	13	10	1.4	No oil sheen; not sampled
10/01/97	1340	9.2	530	15	10.4	1.3	No oil sheen; sampled
Maximum Value		9.2	650	17	11.5	20.7	
Minimum Value		8.4	450	5	8.5	1	
Average		8.8	536	12.4	10.1	5.2	
Standard Deviation		0.27	68.52	4.89	1.05	7.11	
Count		7	7	7	7	7	

Redo

INCORPORATED
EFFECTIVE:
APR 01 1998
DIVISION OIL, GAS AND MINING

OK for ED/ 6/16/2000

updated to DB 6/16/2000

10-18-00 DT

COMMERCIAL TESTING & ENGINEERING CO.

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March 28, 2000

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

ok to update 10/20/2000 hw

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
86-2

Kind of sample reported to us: Water

Sample taken at

Sample taken by

Date sampled: February 17, 2000

Date received: February 18, 2000

Rec'd 0940 hr.
Sampled 1648 hr.

FIELD MEASUREMENTS

pH	8.1
Conductivity	1648
Temperature	14.0°C

Analysis report no. 59-21065

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	880	5	mg/l	as HCO_3	EPA 310.1	02-23-2000 0850 KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	02-23-2000 0850 KP
Alkalinity, Total	721	5	mg/l	as $CaCO_3$	EPA 310.1	02-23-2000 0850 KP
Anions	22.3	----	meq/l		---------	03-27-2000 0945 RJ
Calcium, Dissolved	60	1	mg/l		EPA 215.1	02-24-2000 1300 MK
Cations	20.7	----	meq/l		---------	03-27-2000 0945 RJ
Chloride	23	1	mg/l		EPA 325.2	02-25-2000 1111 SC
Hardness, Total	504	----	mg/l	as $CaCO_3$	SM2340-B	03-27-2000 0945 RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	02-24-2000 1000 MK
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	03-15-2000 0815 SC
Magnesium, Dissolved	86	2	mg/l		EPA 242.1	02-24-2000 1330 MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	03-15-2000 0900 SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	02-24-2000 1045 MK
Potassium, Dissolved	9	1	mg/l		EPA 258.1	02-24-2000 1115 MK
Sodium, Dissolved	239	2	mg/l		EPA 273.1	02-24-2000 1145 MK
Solids, Total Dissolved	1087	10	mg/l		EPA 160.1	02-22-2000 1200 SC
Sulfate	345	5	mg/l		EPA 300.0	03-15-2000 0852 MK
Cation/Anion Balance	-3.6	----	%			03-27-2000 0945 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cosmin

Huntington Laboratory

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10-18-00 DT

December 14, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
86-2

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled November 18, 1999

Date received November 19, 1999

Rec'd 0835 hr.
Sampled 1543 hr.

FIELD MEASUREMENTS

pH	7.8
Conductivity	1681
Temperature	13.0°C

Analysis report no. 59-20882

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	813	5	mg/l	as HCO_3	EPA 310.1	11-29-1999 1200	RJ
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	11-29-1999 1200	RJ
Alkalinity, Total	667	5	mg/l	as $CaCO_3$	EPA 310.1	11-29-1999 1200	RJ
Anions	20.3	----	meq/l		---------	12-08-1999 1400	RJ
Calcium, Dissolved	64	1	mg/l		EPA 215.1	12-03-1999 1340	SC
Cations	20.7	----	meq/l		---------	12-08-1999 1400	RJ
Chloride	21	6	mg/l		EPA 300.0	11-22-1999 1035	RJ
Hardness, Total	522	----	mg/l	as $CaCO_3$	SM2340-B	12-08-1999 1400	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	12-02-1999 1300	SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	12-02-1999 1300	SC
Magnesium, Dissolved	88	1	mg/l		EPA 242.1	12-03-1999 1410	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	12-02-1999 1355	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	12-02-1999 1355	SC
Potassium, Dissolved	9	1	mg/l		EPA 258.1	12-02-1999 1435	SC
Sodium, Dissolved	231	1	mg/l		EPA 273.1	12-02-1999 1525	SC
Solids, Total Dissolved	113	10	mg/l		EPA 160.1	11-23-1999 0800	SC
Sulfate	308	6	mg/l		EPA 300.0	11-22-1999 1035	RJ
Cation/Anion Balance	0.9	----	%			12-08-1999 1400	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cornell

Huntington Laboratory

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F-465

Original Watermarked For Your Protection

TERMS AND CONDITIONS ON REVERSE

SURFACE WATER MONITORING DATA
LOCATION: DH 86-2
1999

PARAMETERS	UNITS	Baseline	operational	SAMPLE DATES		
DATE OF EVENT		05/26/99	08/12/99			
WATER LEVEL OR FLOW		72' bgl	71.5' bgl			
TEMPERATURE (FIELD)	C	14.0	13.3			
DISSOLVED OXYGEN (FIELD)	MG/L	a	a			
pH (FIELD)	S.U.	7.8	7.5			
pH (LAB)	S.U.	a	a			
CONDUCT. (FIELD)	UMHOS/CM @ 25C	1,815	7,100			
CONDUCT. (LAB)	UMHOS/CM @ 25C	a	a			
TOTAL DISSOLVED SOLIDS	MG/L	1,164	1,139			
TOTAL SETTLEABLE SOLIDS	MG/L	a	a			
TOTAL SUSPENDED SOLIDS	MG/L	a	a			
TOTAL HARDNESS AS CaCO3	MG/L	560	519			
OIL AND GREASE	MG/L	a	a			
NITRITE	MG/L	<0.03	a			
TOTAL, NITRATE/NITRITE	MG/L	<0.03	a			
NITROGEN, AMMONIA	MG/L	0.8	a			
BICARBONATE AS HCO3	MG/L	759	789			
CARBONATE AS CO3	MG/L	<5	<5			
MAJOR CATIONS	MEQ/L	20.6	20.4			
MAJOR ANIONS	MEQ/L	20.8	20.7			
ACIDITY	MG/L ?		a			
ALKALINITY	MG/L	623	647			
ALUMINUM	MG/L	<1	a			
ARSENIC	MG/L	<0.01	a			
BARIUM	MG/L	a	a			
BORON	MG/L	0.4	a			
CADMIUM	MG/L	<0.01	a			
CALCIUM	MG/L	66	61			
CHLORIDE	MG/L	23	20			
CHROMIUM	MG/L	a	a			
COPPER	MG/L	<0.1	a			
IRON, DISSOLVED	MG/L	<0.1	<0.1			
IRON, TOTAL	MG/L	<0.1	<0.1			
LEAD	MG/L	<0.1	a			
MAGNESIUM	MG/L	96	89			
MANGANESE, DISSOLVED	MG/L	<0.1	<0.1			
MANGANESE, TOTAL	MG/L	<0.1	<0.1			
MERCURY	MG/L	a	a			
MOLYBDENUM	MG/L	<0.1	a			
NICKEL	MG/L	a	a			
PHOSPHORUS, ORTHO-PO4	MG/L	<0.05	a			
POTASSIUM	MG/L	9	9			
SELENIUM	MG/L	<0.01	a			
SODIUM	MG/L	211	226			
SULFATE	MG/L	372	348			
ZINC	MG/L	<0.01	a			
CATION/ANION BALANCE	%	-0.6	-0.8			

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

10-16-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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August 24, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for update w/ 20/2100 KM

Sample identification by

WEST RIDGE (WELL)
DH 86-2

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 12, 1999

Date received August 13, 1999

Rec'd 1550 hr.
Sampled 1725 hr.
FIELD MEASUREMENTS
pH 7.5
Conductivity 7100
Temperature 13.3°C

2100

SAMPLE HAS A SULFUR SMELL.

Analysis report no. 59-20349

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	789	5	mg/l	as HCO_3	EPA 310.1	08-19-1999 0645 KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	08-19-1999 0645 KP
Alkalinity, Total	647	5	mg/l	as $CaCO_3$	EPA 310.1	08-19-1999 0645 KP
Anions	20.7	---	meq/l		---------	08-20-1999 0900 RJ
Calcium, Dissolved	61	1	mg/l		EPA 215.1	08-19-1999 1514 SC
Cations	20.4	----	meq/l		---------	08-20-1999 0900 RJ
Chloride	20	1	mg/l		EPA 300.0	08-17-1999 0734 MK
Hardness, Total	519	----	mg/l	as $CaCO_3$	SM2340-B	08-20-1999 0900 RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	08-19-1999 0747 SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	08-18-1999 0941 SC
Magnesium, Dissolved	89	2	mg/l		EPA 242.1	08-19-1999 1613 SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	08-19-1999 0910 SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	08-19-1999 0910 SC
Potassium, Dissolved	9	1	mg/l		EPA 258.1	08-19-1999 1244 SC
Sodium, Dissolved	226	2	mg/l		EPA 273.1	08-19-1999 1342 SC
Solids, Total Dissolved	1139	10	mg/l		EPA 160.1	08-17-1999 0700 KP
Sulfate	348	5	mg/l		EPA 300.0	08-17-1999 0734 MK
Cation/Anion Balance	-0.8	----	%			08-20-1999 0900 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

9-21-00 DT

COMMERCIAL TESTING & ENGINEERING CO.

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June 24, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to upload 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
86-2

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled May 26, 1999

Date received May 27, 1999

Rec'd 0710 hr.
Sampled 1605 hr.
FIELD MEASUREMENTS
pH 7.8
Conductivity 1815
Temperature 14.0°C

AMMENDED SAMPLE NAME AS PER CUSTOMER REQUEST.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19920

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	759	5	mg/l	as HCO_3	EPA 310.1	06-02-1999 0745 KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	06-02-1999 0745 KP
Alkalinity, Total	623	5	mg/l	as $CaCO_3$	EPA 310.1	06-02-1999 0745 KP
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	06-07-1999 1324 SC
Anions	20.8	----	meq/l		---------	06-16-1999 0900 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	06-15-1999 0745 MK
Boron, Dissolved	0.4	0.1	mg/l		EPA 212.3	06-09-1999 0630 MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	06-07-1999 1417 SC
Calcium, Dissolved	66	1	mg/l		EPA 215.1	06-09-1999 1336 SC
Cations	20.6	----	meq/l		---------	06-16-1999 0900 RJ
Chloride	23	1	mg/l		EPA 300.0	05-28-1999 0911 SC
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	06-07-1999 1319 SC
Hardness, Total	560	----	mg/l	as $CaCO_3$	SM2340-B	06-16-1999 0900 RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	05-18-1999 1210 SC
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	06-08-1999 0905 SC
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	06-07-1999 1435 SC
Magnesium, Dissolved	96	1	mg/l		EPA 242.1	06-09-1999 1458 SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	06-08-1999 1204 SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	06-08-1999 1204 SC
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	06-07-1999 1343 SC
Nitrogen, Ammonia	0.8	0.5	mg/l	as N	EPA 350.3	05-27-1999 0700 MK
Nitrogen, Nitrate-Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	05-28-1999 0911 SC
Nitrogen, Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	05-28-1999 0911 SC
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l	as P	EPA 300.0	05-28-1999 0911 SC

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER ACIL

9-21-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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June 24, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
86-2

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled May 26, 1999

Date received May 27, 1999

Rec'd 0710 hr.
Sampled 1605 hr.
FIELD MEASUREMENTS
pH 7.8
Conductivity 1815
Temperature 14.0°C

AMMENDED SAMPLE NAME AS PER CUSTOMER REQUEST.
DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-19920

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Potassium, Dissolved	9	1	mg/l	EPA 258.1	06-08-1999 1342 SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-15-1999 1045 MK
Sodium, Dissolved	211	2	mg/l	EPA 273.1	06-09-1999 1041 SC
Solids, Total Dissolved	1164	10	mg/l	EPA 160.1	06-01-1999 0800 KP
Sulfate	372	10	mg/l	EPA 300.0	06-02-1999 0830 MK
Zinc, Dissolved	<0.01	0.01	mg/l	EPA 289.1	06-07-1999 1347 SC
Cation/Anion Balance	-0.6	----	%		06-16-1999 0900 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

4-24-00 DT

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December 17, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

ok for EDI 6/14/2000 KW

Sample identification by

updated to DB 6/14/2000 KW

WEST RIDGE (WELL LOCATION)
DH 86-2

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 13, 1998

Date received October 14, 1998

Rec'd 0944 hr.
Sampled 1525 hr.

FIELD MEASUREMENTS

pH	8.12
Conductivity	1685
Temperature	15°C

Water level 72.9 ft.

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19317

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Acidity	24	10	mg/l as $CaCO_3$	D1067-92	10-19-1998 1114	DL
Alkalinity, Bicarbonate	679	5	mg/l as HCO_3	SM2320-B	10-27-1998 0900	DL
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	10-27-1998 0900	DL
Alkalinity, Total	556	5	mg/l as $CaCO_3$	EPA 310.1	10-27-1998 0900	DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	11-29-1998 0715	MK
Anions	21.4	----	meq/l	---------	12-02-1998 0800	SC
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	12-10-1998	
Boron, Dissolved	0.4	0.1	mg/l	EPA 212.3	11-19-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	11-29-1998 1300	MK
Calcium, Dissolved	79	1	mg/l	EPA 215.1	11-29-1998 0845	MK
Cations	20.8	----	meq/l	---------	11-19-1998 1000	SC
Chloride	25	1	mg/l	EPA 300.0	11-11-1998 0843	SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	11-29-1998 1400	MK
Hardness, Total	630	----	mg/l as $CaCO_3$	SM2340-B	12-02-1998 0851	SC
Iron, Dissolved	0.2	0.1	mg/l	EPA 236.1	11-29-1998 1015	MK
Iron, Total	0.3	0.1	mg/l	EPA 236.1	11-29-1998 1015	MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	11-29-1998 1315	MK
Magnesium, Dissolved	105	2	mg/l	EPA 242.1	11-29-1998 0930	MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	11-29-1998 1100	MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	11-29-1998 1100	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	11-29-1998 0800	MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	11-10-1998 1100	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 300.0	10-14-1998 0858	SC
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	10-15-1998 0830	SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

UTAH DIVISION OIL, GAS AN

MEMBER ACIL

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FAX: (435) 653-2436

4-24-00 DJ

December 17, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (WELL LOCATION)
DH 86-2

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled October 13, 1998

Date received October 14, 1998

Rec'd 0944 hr.
Sampled 1525 hr.

FIELD MEASUREMENTS

pH	8.12
Conductivity	1685
Temperature	15°C

NOTE: DISSOLVED BORON FILTERED AT LAB.
NOTE: DISSOLVED ARSENIC & SELENIUM ANALYZED AT ENVIROPRO LAB.

Analysis report no. 59-19317

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	10-14-1998 1000 SC
Potassium, Dissolved	9	1	mg/l	EPA 258.1	11-29-1998 1145 MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	12-10-1998
Sodium, Dissolved	184	2	mg/l	EPA 273.1	11-29-1998 1215 MK
Solids, Total Dissolved	1276	10	mg/l	EPA 160.1	10-20-1998 0900 DL
Sulfate	461	10	mg/l	EPA 300.0	12-01-1998 1200 SC
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	11-29-1998 1415 MK
Cation/Anion Balance	-1.4	----	%		12-02-1998 0851 SC

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

UTAH DIVISION OIL, GAS AND MINING

MEMBER ACIL

WEST RIDGE RESOURCES, INC.
BASELINE WATER MONITORING REPORT - 1998
FIELD PARAMETERS

WELL SITE DH 86-2

Well Location: C Canyon, T 14 S, R 13 E, Section 11, SW¼ SW¼

Date	Time	pH (std. units)	Conductivity (μS)	Temperature (°C)	Water Level (ft)	Notes
05/20/98	1720	8.08	1725	16	90.04	
07/14/98	1540	7.95	1550	16	70	
08/25/98	1605	8.36	1680	15	72.67	
10/13/98	1525	8.12	1685	15	72.90	
Maximum Value		8.36	1725	16	90.0	
Minimum Value		7.95	1550	15	70	
Average		8.1	1660	15.5	76.4	
Standard Deviation		0.17	76.05	0.58	9.19	
Count		4	4	4	4	

field data entered w/ Lab data 6/14/2000

UR'd for EDI 6/14/2000 [illegible]

updated 6/14/2000 [illegible]

UTAH DIVISION OIL, GAS AND MINING
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FAX: (435) 653-2436

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

ok for EDI 6/14/2000 [illegible]

Sample identification by

updated to DB

WEST RIDGE (SPRING & GROUNDWATER)
DH 86-2

6/14/2000 [illegible]

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled August 25, 1998

Date received August 26, 1998

Rec'd 1500 hr.
Sampled 1605 hr.

FIELD MEASUREMENTS

pH	8.36
Conductivity	1680
Temperature	15.0°C

Water level = 72.7 ft

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18968

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	17	10	mg/l as $CaCO_3$	D1067-92	09-03-1998 0755 DL
Alkalinity, Bicarbonate	583	5	mg/l as HCO_3	SM2320-B	09-03-1998 0925 DL
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	09-03-1998 0925 DL
Alkalinity, Total	478	5	mg/l as $CaCO_3$	EPA 310.1	09-03-1998 0925 DL
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	09-14-1998 1430 MK
Anions	22.0	----	meq/l	---------	09-19-1998 1600 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	09-15-1998 0930 MK
Boron, Dissolved	0.3	0.1	mg/l	EPA 212.3	09-17-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	09-14-1998 0900 MK
Calcium, Dissolved	89	1	mg/l	EPA 215.1	09-14-1998 1300 MK
Cations	20.2	----	meq/l	---------	09-19-1998 1600 RJ
Chloride	23	1	mg/l	EPA 300.0	09-14-1998 1000 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	09-14-1998 0800 MK
Hardness, Total	716	----	mg/l as $CaCO_3$	SM2340-B	09-19-1998 1600 RJ
Iron, Dissolved	0.1	0.1	mg/l	EPA 236.1	09-14-1998 0945 MK
Iron, Total	0.1	0.1	mg/l	EPA 236.1	09-14-1998 0945 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	09-14-1998 0915 MK
Magnesium, Dissolved	120	2	mg/l	EPA 242.1	09-14-1998 1330 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	09-14-1998 1045 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	09-14-1998 1045 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	09-14-1998 1530 MK
Nitrogen, Ammonia	<0.5	0.5	mg/l as N	EPA 350.3	09-01-1998 1300 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 300.0	08-27-1998 0838 SC
Nitrogen, Nitrite	<0.03	0.01	mg/l as N	EPA 300.0	08-27-1998 0838 SC

INCORPORATED
EFFECTIVE:
APR 01 1000

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

[illegible] DIVISION OIL, GAS AND MIN[illegible]

Huntington Laboratory

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COMMERCIAL TESTING & ENGINEERING CO.

4-24-00 DJ

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FAX: (435) 653-2436

September 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
DH 86-2

Kind of sample reported to us Water

Rec'd 1500 hr.
Sampled 1605 hr.

FIELD MEASUREMENTS

pH	8.36
Conductivity	1680
Temperature	15.0°C

Sample taken at

Sample taken by

Date sampled August 25, 1998

Date received August 26, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18968

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.03	0.01	mg/l as	EPA 300.0	08-27-1998 0838	SC
Potassium, Dissolved	7	1	mg/l	EPA 258.1	09-14-1998 1130	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	09-23-1998 1500	MK
Sodium, Dissolved	131	1	mg/l	EPA 273.1	09-14-1998 1200	MK
Solids, Total Dissolved	1246	10	mg/l	EPA 160.1	09-02-1998 0814	DL
Sulfate	567	1	mg/l	EPA 300.0	09-15-1998 0900	SC
Zinc, Dissolved	0.03	0.01	mg/l	EPA 289.1	09-14-1998 0815	MK
Cation/Anion Balance	-4.3	----	%		09-19-1998 1600	RJ

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

TOTAL DIVISION OIL, GAS AND MIN

MEMBER ACIL

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FAX: (435) 653-2436

August 14, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

ok for EDI 6/14/2000 kw

Sample identification by

update to DB 6/14/2000 kw

WEST RIDGE (SPRING & GROUNDWATER)
86-2

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled July 14, 1998

Date received July 15, 1998

Rec'd 1315 hr.
Sampled 1540 hr.

FIELD MEASUREMENTS
Ph 7.95
Conductivity 1550
Temperature 16.0°C

WL ▼ = 70.0 ft

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18782

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	14	10	mg/l	as $CaCO_3$	D1067-92	07-17-1998 0724	DL
Alkalinity, Bicarbonate	580	5	mg/l	as HCO_3	SM2320-B	07-20-1998 0854	DL
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	SM2320-B	07-20-1998 0854	DL
Alkalinity, Total	475	5	mg/l	as $CaCO_3$	EPA 310.1	07-20-1998 0854	DL
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	07-27-1998 1345	MK
Anions	21.1	----	meq/l		---------	07-29-1998 1030	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	08-03-1998 1000	MK
Boron, Dissolved	0.3	0.1	mg/l		EPA 212.3	08-12-1998 0700	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	07-27-1998 0800	MK
Calcium, Dissolved	85	1	mg/l		EPA 215.1	07-27-1998 1200	MK
Cations	19.7	----	meq/l		---------	07-29-1998 1030	RJ
Chloride	21	1	mg/l		EPA 300.0	07-16-1998 1559	RJ
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	07-27-1998 0715	MK
Hardness, Total	711	----	mg/l	as $CaCO_3$	SM2340-B	07-29-1998 1030	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	07-27-1998 0900	MK
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	07-20-1998 0815	MK
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	07-27-1998 0815	MK
Magnesium, Dissolved	121	5	mg/l		EPA 242.1	07-27-1998 1245	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	07-20-1998 0900	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	07-27-1998 0945	MK
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	07-27-1998 1415	MK
Nitrogen, Ammonia	2.7	0.5	mg/l	as N	EPA 350.3	08-06-1998 0800	SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l	as N	EPA 300.0	07-16-1998 1242	RJ
Nitrogen, Nitrite	<0.05	0.01	mg/l	as N	EPA 300.0	07-16-1998 1242	RJ

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

UTAH DIVISION OIL, GAS AND MINING

MEMBER ACIL

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4-19-00 DJT

August 14, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
86-2

Kind of sample reported to us Water

Rec'd 1315 hr.
Sampled 1540 hr.
FIELD MEASUREMENTS
Ph 7.95
Conductivity 1550
Temperature 16.0°C

Sample taken at

Sample taken by

Date sampled July 14, 1998

Date received July 15, 1998

NOTE: DISSOLVED BORON FILTERED AT LAB.

Analysis report no. 59-18782

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.01	0.01	mg/l as	EPA 300.0	07-16-1998 1100	RJ
Potassium, Dissolved	7	1	mg/l	EPA 258.1	07-27-1998 1030	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	08-04-1998 0800	MK
Sodium, Dissolved	123	1	mg/l	EPA 273.1	07-27-1998 1115	MK
Solids, Total Dissolved	1237	10	mg/l	EPA 160.1	07-16-1998 0800	SC
Sulfate	529	6	mg/l	EPA 300.0	07-17-1998 1315	RJ
Zinc, Dissolved	0.02	0.01	mg/l	EPA 289.1	07-27-1998 0730	MK
Cation/Anion Balance	-3.4	----	%		07-29-1998 1030	RJ

INCORPORATED
EFFECTIVE:
APR 01 1999
DIVISION OIL, GAS AND MINING

Respectfully submitted,
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June 30, 1998

OK for EDI 6/14/2000 KW

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

updated to DB 6/14/2000 KW

Sample identification by
ANDALEX RESOURCES

DH 86-2

water level = 90.04 ft

Kind of sample reported to us Water

Rec'd 1220 hr.
Sampled 1720 hr.

FIELD MEASUREMENTS
PH 8.08
CONDUCTIVITY 1725
TEMPERATURE 16.0°C

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 20, 1998

Date received May 21, 1998

NOTE: Dissolved Boron filtered at lab
NOTE: Possible matrix interference in Nitrite & Ortho Phos.
Sample has a sulfur smell to it.

Analysis report no. 59-18480

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	22	10	mg/l as $CaCO_3$	D1067-92	06-01-1998 0800 SC
Alkalinity, Bicarbonate	723	5	mg/l as HCO_3	SM2320-B	06-01-1998 1100 SC
Alkalinity, Carbonate	<5	5	mg/l as CO_3	SM2320-B	06-01-1998 1100 SC
Alkalinity, Total	593	5	mg/l as $CaCO_3$	EPA 310.1	06-01-1998 1100 SC
Aluminum, Dissolved	<1	1	mg/l	EPA 202.1	06-10-1998 1500 MK
Anions	21.9	----	meq/l	---------	06-23-1998 1000 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l	EPA 206.2	06-16-1998 1045 MK
Boron, Dissolved	0.3	0.1	mg/l	EPA 212.3	06-17-1998 0700 MK
Cadmium, Dissolved	<0.01	0.01	mg/l	EPA 213.1	06-10-1998 1115 MK
Calcium, Dissolved	73	1	mg/l	EPA 215.1	06-10-1998 1400 MK
Cations	21.0	----	meq/l	---------	06-23-1998 1000 RJ
Chloride	5	1	mg/l	SM4500-Cl-B	06-02-1998 1005 SC
Copper, Dissolved	<0.1	0.1	mg/l	EPA 220.1	06-10-1998 1015 MK
Hardness, Total	590	----	mg/l as $CaCO_3$	SM2340-B	06-23-1998 1000 RJ
Iron, Total	0.1	0.1	mg/l	EPA 236.1	06-10-1998 1215 MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	06-10-1998 1215 MK
Lead, Dissolved	<0.1	0.1	mg/l	EPA 239.1	06-10-1998 1130 MK
Magnesium, Dissolved	99	2	mg/l	EPA 242.1	06-10-1998 1415 MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	06-10-1998 1230 MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-10-1998 1230 MK
Molybdenum, Dissolved	<0.1	0.1	mg/l	EPA 246.1	06-10-1998 1615 MK
Nitrogen, Ammonia	1.0	0.5	mg/l as N	EPA 350.3	05-22-1998 1200 SC
Nitrogen, Nitrate-Nitrite	<0.1	0.1	mg/l as N	EPA 353.3	05-22-1998 0800 SC
Nitrogen, Nitrite	0.02	0.01	mg/l as N	EPA 354.1	05-22-1998 0900 MK

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

UTAH DIVISION OIL, GAS AND MINING

MEMBER ACIL

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FAX: (435) 653-2436

7-19-00 DT

June 30, 1998

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by
ANDALEX RESOURCES

DH 86-2

Kind of sample reported to us Water

Sample taken at Andalex

Sample taken by Andalex

Date sampled May 20, 1998

Date received May 21, 1998

Rec'd 1220 hr.
Sampled 1720 hr.

FIELD MEASUREMENTS

PH	8.08
CONDUCTIVITY	1725
TEMPERATURE	16.0°C

NOTE: Dissolved Boron filtered at lab
NOTE: Possible matrix interference in Nitrite & Ortho Phos.
Sample has a sulfur smell to it.

Analysis report no. 59-18480

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	0.09	0.01	mg/l as P	SM4500-P-E	05-21-1998 1230	MK
Potassium, Dissolved	10	1	mg/l	EPA 258.1	06-10-1998 1300	MK
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-16-1998 1430	MK
Sodium, Dissolved	206	2	mg/l	EPA 273.1	06-10-1998 1315	MK
Solids, Total Dissolved	1182	10	mg/l	EPA 160.1	05-26-1998 1200	RJ
Sulfate	475	250	mg/l	EPA 375.4	05-21-1998 1200	SC
Zinc, Dissolved	0.04	0.01	mg/l	EPA 289.1	06-10-1998 1030	MK
Cation/Anion Balance	-2.0	----	%		06-23-1998 1000	RJ

INCORPORATED
EFFECTIVE:
APR 01 1999

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
UTAH DIVISION OIL, GAS AND MINING

Huntington Laboratory

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COMMERCIAL TESTING & ENGINEERING CO.

10-16-00 PJT

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December 1, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Ok to update 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
WR-1

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled November 2, 1999

Date received November 3, 1999

Rec'd 1200 hr.
Sampled 0945 hr.

FIELD MEASUREMENTS

pH	8.5
Conductivity	360
Temperature	42.0°F

Analysis report no. 59-20845

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	262	5	mg/l	as HCO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Total	215	5	mg/l	as $CaCO_3$	EPA 310.1	11-12-1999 0945	MK
Anions	4.6	----	meq/l		---------	11-16-1999 0900	RJ
Calcium, Dissolved	35	1	mg/l		EPA 215.1	11-12-1999 1255	SC
Cations	4.4	----	meq/l		---------	11-16-1999 0900	RJ
Chloride	2	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Hardness, Total	178	----	mg/l	as $CaCO_3$	SM2340-B	11-16-1999 0900	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Iron, Total	4.2	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Magnesium, Dissolved	22	1	mg/l		EPA 242.1	11-12-1999 1300	SC
Manganese, Total	0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Potassium, Dissolved	1	1	mg/l		EPA 258.1	11-12-1999 1020	SC
Sodium, Dissolved	18	1	mg/l		EPA 273.1	11-12-1999 1220	SC
Solids, Total Dissolved	264	10	mg/l		EPA 160.1	11-04-1999 0600	MK
Sulfate	14	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Cation/Anion Balance	3.1	----	%			11-16-1999 0900	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cornell

Huntington Laboratory

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10-16-00 DJ

October 6, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to enter 10/16/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
WR-1

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled September 8, 1999

Date received September 9, 1999

Rec'd 1200 hr.
Sampled 1010 hr.
FIELD MEASUREMENTS
pH 7.0
Conductivity 380
Temperature 9.0°C

NOTE*REISSUED DUE TO WRONG DISSOLVED MANGANESE NUMBER ENTRY.

Analysis report no. 59-20489

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	261	5	mg/l	as HCO_3	EPA 310.1	09-15-1999 0800 KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	09-15-1999 0800 KP
Alkalinity, Total	216	5	mg/l	as $CaCO_3$	EPA 310.1	09-15-1999 0800 KP
Anions	4.6	----	meq/l		---------	09-23-1999 1600 RJ
Calcium, Dissolved	37	1	mg/l		EPA 215.1	09-22-1999 1725 SC
Cations	4.6	----	meq/l		---------	09-23-1999 1600 RJ
Chloride	2	1	mg/l		EPA 325.2	09-23-1999 1120 MK
Hardness, Total	195	----	mg/l	as $CaCO_3$	SM2340-B	09-23-1999 1600 RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	09-22-1999 0940 SC
Iron, Total	1.5	0.1	mg/l		EPA 236.1	09-22-1999 0940 SC
Magnesium, Dissolved	25	1	mg/l		EPA 242.1	09-22-1999 1820 SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-22-1999 1115 SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-22-1999 1115 SC
Potassium, Dissolved	<1	1	mg/l		EPA 258.1	09-22-1999 1330 SC
Sodium, Dissolved	15	1	mg/l		EPA 273.1	09-22-1999 1520 SC
Solids, Total Dissolved	248	10	mg/l		EPA 160.1	09-14-1999 0700 KP
Sulfate	14	1	mg/l		EPA 300.0	09-15-1999 0843 MK
Cation/Anion Balance	-0.8	----	%			09-23-1999 1600 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

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TERMS AND CONDITIONS ON REVERSE

GROUND WATER MONITORING DATA
LOCATION: WR-1
1999

PARAMETERS	UNITS	Baseline		Operational				
		SAMPLE DATES						
DATE OF EVENT		06/09/99		09/08/99				
WATER LEVEL OR FLOW		3.2 gpm	✓	2.3 gpm	✓			
TEMPERATURE (FIELD)	C	8.0	✓	9.0	✓			
DISSOLVED OXYGEN (FIELD)	MG/L	a		a				
pH (FIELD)	S.U.	7.7	✓	7.0	✓			
pH (LAB)	S.U.	a		a				
CONDUCT. (FIELD)	UMHOS/CM @ 25C	410	✓	380	✓			
CONDUCT. (LAB)	UMHOS/CM @ 25C	a		a				
TOTAL DISSOLVED SOLIDS	MG/L	252	✓	248	✓			
TOTAL SETTLEABLE SOLIDS	MG/L	a		a				
TOTAL SUSPENDED SOLIDS	MG/L	a		a				
TOTAL HARDNESS AS CaCO3	MG/L	180	✓	195	✓			
OIL AND GREASE	MG/L	a		a				
NITRITE	MG/L	<0.03	✓	a				
TOTAL, NITRATE/NITRITE	MG/L	0.11	✓	a				
NITROGEN, AMMONIA	MG/L	<0.5	✓	a				
BICARBONATE AS HCO3	MG/L	271	✓	261	✓			
CARBONATE AS CO3	MG/L	<5	✓	<5	✓			
MAJOR CATIONS	MEQ/L	4.4	✓	4.6	✓			
MAJOR ANIONS	MEQ/L	4.7	✓	4.6	✓			
ACIDITY	MG/L	<10	✓	a				
ALKALINITY	MG/L	222	✓	216	✓			
ALUMINUM	MG/L	<1	✓	a				
ARSENIC	MG/L	<0.01	✓	a				
BARIUM	MG/L	a		a				
BORON	MG/L	0.2	✓	a				
CADMIUM	MG/L	<0.01	✓	a				
CALCIUM	MG/L	34	✓	37	✓			
CHLORIDE	MG/L	2	✓	2	✓			
CHROMIUM	MG/L	a		a				
COPPER	MG/L	<0.1	✓	a				
IRON, DISSOLVED	MG/L	<0.1	✓	<0.1	✓			
IRON, TOTAL	MG/L	1.4	✓	1.5	✓			
LEAD	MG/L	<0.1	✓	a				
MAGNESIUM	MG/L	23	✓	25	✓			
MANGANESE, DISSOLVED	MG/L	<0.1	✓	0.1	✓			
MANGANESE, TOTAL	MG/L	<0.1	✓	<0.1	✓			
MERCURY	MG/L	a		a				
MOLYBDENUM	MG/L	<0.1	✓	a				
NICKEL	MG/L	a		a				
PHOSPHORUS, ORTHO-PO4	MG/L	<0.05	✓	a				
POTASSIUM	MG/L	2	✓	<1	✓			
SELENIUM	MG/L	<0.01	✓	a				
SODIUM	MG/L	17	✓	15	✓			
SULFATE	MG/L	12	✓	14	✓			
ZINC	MG/L	<0.01	✓	a				
CATION/ANION BALANCE	%	-4.0	✓	-0.8	✓			

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

9-21-00 DJ

COMMERCIAL TESTING & ENGINEERING CO.

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July 13, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

ok to add 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUND WATER)
ID:WR-1

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 9, 1999

Date received June 10, 1999

Rec'd 0820 hr.
Sampled 1310 hr.
FIELD MEASUREMENTS
pH 7.7
Conductivity 410
Temperature 47°F

DISSOLVED BORON FILTERED AT LAB.
AMMENDED FOR DIFFERENT SAMPLE ID.

Analysis report no. 59-19976

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	06-16-1999 1200 KP
Alkalinity, Bicarbonate	271	5	mg/l	as HCO_3	EPA 310.1	06-17-1999 0700 KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	06-17-1999 0700 KP
Alkalinity, Total	222	5	mg/l	as $CaCO_3$	EPA 310.1	06-17-1999 0700 KP
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	06-18-1999 1100 SC
Anions	4.7	----	meq/l		---------	06-24-1999 1130 RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	06-15-1999 0745 MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	06-23-1999 0730 MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	06-18-1999 0941 SC
Calcium, Dissolved	34	1	mg/l		EPA 215.1	06-17-1999 1521 SC
Cations	4.4	----	meq/l		---------	06-24-1999 1130 RJ
Chloride	2	1	mg/l		EPA 300.0	06-11-1999 0745 MK
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	06-18-1999 0853 SC
Hardness, Total	180	----	mg/l	as $CaCO_3$	SM2340-B	06-24-1999 1130 RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	06-17-1999 0929 SC
Iron, Total	1.4	0.1	mg/l		EPA 236.1	07-01-1999 0818 SC
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	06-18-1999 0956 SC
Magnesium, Dissolved	23	1	mg/l		EPA 242.1	06-17-1999 1642 SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	07-01-1999 0930 SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	06-17-1999 1031 SC
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	06-18-1999 1148 SC
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	06-23-1999 0800 SC
Nitrogen, Nitrate-Nitrite	0.11	0.03	mg/l	as N	EPA 300.0	06-11-1999 0745 MK
Nitrogen, Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	06-11-1999 0745 MK

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

MEMBER ACIL

9-21-00 DJ

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July 13, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUND WATER)
ID:WR-1

Rec'd 0820 hr.
Sampled 1310 hr.
FIELD MEASUREMENTS
pH 7.7
Conductivity 410
Temperature 47°F

DISSOLVED BORON FILTERED AT LAB.
AMMENDED FOR DIFFERENT SAMPLE ID.

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 9, 1999

Date received June 10, 1999

Analysis report no. 59-19976

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	06-11-1999 0745 MK
Potassium, Dissolved	2	1	mg/l	EPA 258.1	06-17-1999 1235 SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-15-1999 1045 MK
Sodium, Dissolved	17	1	mg/l	EPA 273.1	06-17-1999 1347 SC
Solids, Total Dissolved	252	10	mg/l	EPA 160.1	06-15-1999 0800 KP
Sulfate	12	1	mg/l	EPA 300.0	06-18-1999 0800 MK
Zinc, Dissolved	<0.01	0.01	mg/l	EPA 289.1	06-18-1999 0907 SC
Cation/Anion Balance	-4.0	----	%		06-24-1999 1130 RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

MEMBER ACIL

10-16-00 DT

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December 1, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 11/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
WR-2

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled November 2, 1999

Date received November 3, 1999

Rec'd 1200 hr.
Sampled 1025 hr.

FIELD MEASUREMENTS

pH	8.3
Conductivity	390
Temperature	38.0°F

Analysis report no. 59-20846

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	304	5	mg/l	as HCO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	11-12-1999 0945	MK
Alkalinity, Total	249	5	mg/l	as $CaCO_3$	EPA 310.1	11-12-1999 0945	MK
Anions	5.4	----	meq/l		---------	11-16-1999 0900	RJ
Calcium, Dissolved	45	1	mg/l		EPA 215.1	11-12-1999 1255	SC
Cations	4.9	----	meq/l		---------	11-16-1999 0900	RJ
Chloride	3	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Hardness, Total	207	----	mg/l	as $CaCO_3$	SM2340-B	11-16-1999 0900	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	11-12-1999 0825	SC
Iron, Total	12.1	0.5	mg/l		EPA 236.1	11-12-1999 0825	SC
Magnesium, Dissolved	23	1	mg/l		EPA 242.1	11-12-1999 1300	SC
Manganese, Total	0.4	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	11-12-1999 0900	SC
Potassium, Dissolved	2	1	mg/l		EPA 258.1	11-12-1999 1020	SC
Sodium, Dissolved	17	1	mg/l		EPA 273.1	11-12-1999 1220	SC
Solids, Total Dissolved	289	10	mg/l		EPA 160.1	11-04-1999 0600	MK
Sulfate	15	1	mg/l		EPA 300.0	11-05-1999 0952	RJ
Cation/Anion Balance	-4.4	----	%			11-16-1999 0900	RJ

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

MEMBER ACIL

10-16-00 DJ

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September 27, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK to update 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUNDWATER)
WR-2

Rec'd 1200 hr.
Sampled 1100 hr.
FIELD MEASUREMENTS
pH 7.2
Conductivity 480
Temperature 8.0°C

Kind of sample reported to us: Water

Sample taken at

Sample taken by

Date sampled: September 8, 1999

Date received: September 9, 1999

Analysis report no. 59-20490

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	317	5	mg/l	as HCO_3	EPA 310.1	09-15-1999 0800	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	09-15-1999 0800	KP
Alkalinity, Total	260	5	mg/l	as $CaCO_3$	EPA 310.1	09-15-1999 0800	KP
Anions	5.6	----	meq/l		---------	09-23-1999 1600	RJ
Calcium, Dissolved	51	1	mg/l		EPA 215.1	09-22-1999 1725	SC
Cations	5.4	----	meq/l		---------	09-23-1999 1600	RJ
Chloride	3	1	mg/l		EPA 325.2	09-23-1999 1120	MK
Hardness, Total	234	----	mg/l	as $CaCO_3$	SM2340-B	09-23-1999 1600	RJ
Iron, Dissolved	0.9	0.1	mg/l		EPA 236.1	09-22-1999 0940	SC
Iron, Total	9.5	0.2	mg/l		EPA 236.1	09-22-1999 0940	SC
Magnesium, Dissolved	26	1	mg/l		EPA 242.1	09-22-1999 1820	SC
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	09-22-1999 1115	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	09-22-1999 1115	SC
Potassium, Dissolved	3	1	mg/l		EPA 258.1	09-22-1999 1330	SC
Sodium, Dissolved	14	1	mg/l		EPA 273.1	09-22-1999 1520	SC
Solids, Total Dissolved	292	10	mg/l		EPA 160.1	09-14-1999 0700	KP
Sulfate	16	1	mg/l		EPA 300.0	09-15-1999 0843	MK
Cation/Anion Balance	-2.2	----	%			09-23-1999 1600	RJ

1st 2000

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Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R J Cormier

Huntington Laboratory

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TERMS AND CONDITIONS ON REVERSE

GROUND WATER MONITORING DATA
LOCATION: WR-2
1999

PARAMETERS	UNITS	Baseline		Operational				
		SAMPLE DATES						
DATE OF EVENT		06/09/99		09/08/99				
WATER LEVEL OR FLOW		2.4 gpm	✓	1.9 gpm	✓			
TEMPERATURE (FIELD)	C	8.0	✓	8.0	✓			
DISSOLVED OXYGEN (FIELD)	MG/L	a		a				
pH (FIELD)	S.U.	7.7	✓	7.2	✓			
pH (LAB)	S.U.	a		a				
CONDUCT. (FIELD)	UMHOS/CM @ 25C	450	✓	480	✓			
CONDUCT. (LAB)	UMHOS/CM @ 25C	a		a				
TOTAL DISSOLVED SOLIDS	MG/L	299	✓	292	✓			
TOTAL SETTLEABLE SOLIDS	MG/L	a		a				
TOTAL SUSPENDED SOLIDS	MG/L	a		a				
TOTAL HARDNESS AS CaCO3	MG/L	219	✓	234	✓			
OIL AND GREASE	MG/L	a		a				
NITRITE	MG/L	<0.03	✓	a				
TOTAL, NITRATE/NITRITE	MG/L	0.06	✓	a				
NITROGEN, AMMONIA	MG/L	<0.5	✓	a				
BICARBONATE AS HCO3	MG/L	317	✓	317	✓			
CARBONATE AS CO3	MG/L	<5	✓	<5	✓			
MAJOR CATIONS	MEQ/L	5.2	✓	5.4	✓			
MAJOR ANIONS	MEQ/L	5.6	✓	5.6	✓			
ACIDITY	MG/L	<10	✓	a				
ALKALINITY	MG/L	259	✓	260	✓			
ALUMINUM	MG/L	<1	✓	a				
ARSENIC	MG/L	<0.01	✓	a				
BARIUM	MG/L	a		a				
BORON	MG/L	0.2	✓	a				
CADMIUM	MG/L	<0.01	✓	a				
CALCIUM	MG/L	48	✓	51	✓			
CHLORIDE	MG/L	2	✓	3	✓			
CHROMIUM	MG/L	a		a				
COPPER	MG/L	<0.1	✓	a				
IRON, DISSOLVED	MG/L	<0.1	✓	0.9	✓			
IRON, TOTAL	MG/L	5.4	✓	9.5	✓			
LEAD	MG/L	<0.1	✓	a				
MAGNESIUM	MG/L	24	✓	26	✓			
MANGANESE, DISSOLVED	MG/L	<0.1	✓	<0.1	✓			
MANGANESE, TOTAL	MG/L	0.2	✓	<0.1	✓			
MERCURY	MG/L	a		a				
MOLYBDENUM	MG/L	<0.1	✓	a				
NICKEL	MG/L	a		a				
PHOSPHORUS, ORTHO-PO4	MG/L	<0.05	✓	a				
POTASSIUM	MG/L	2	✓	3	✓			
SELENIUM	MG/L	<0.01	✓	a				
SODIUM	MG/L	17	✓	14	✓			
SULFATE	MG/L	15	✓	16	✓			
ZINC	MG/L	<0.01	✓	a				
CATION/ANION BALANCE	%	-3.8	✓	-2.2	✓			

Metals analyzed in dissolved form unless otherwise noted

1999 analyses performed by Commercial Testing & Engineering Co.

COMMENTS:
a Not analyzed
b Field instrument malfunctioned
c Temp. not accurate due to collection technique
d Calculated value
e Not enough water for analysis
f Metals analyzed in dissolved form
g Flow depth could not be measured accurately
h Metals analyzed in total form
i No visible oil sheen

9-21-00 DT

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-953-9300 FAX: 630-953-9306

SGS Member of the SGS Group (Société Générale de Surveillance)

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020
HUNTINGTON, UT 84528
TEL: (435) 653-2311
FAX: (435) 653-2436

July 13, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

OK for update 10/20/2000

Sample identification by

WEST RIDGE (SPRING & GROUND WATER)
ID:WR-2

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 9, 1999

Date received June 10, 1999

Rec'd 0820 hr.
Sampled 0815 hr.
FIELD MEASUREMENTS
pH 7.7
Conductivity 450
Temperature 46°F

DISSOLVED BORON FILTERED AT LAB.
AMMENDED FOR DIFFERENT SAMPLE ID.

Analysis report no. 59-19977

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<10	10	mg/l	as $CaCO_3$	D1067-92	06-16-1999 1200	KP
Alkalinity, Bicarbonate	317	5	mg/l	as HCO_3	EPA 310.1	06-17-1999 1400	KP
Alkalinity, Carbonate	<5	5	mg/l	as CO_3	EPA 310.1	06-17-1999 1400	KP
Alkalinity, Total	259	5	mg/l	as $CaCO_3$	EPA 310.1	06-17-1999 1400	KP
Aluminum, Dissolved	<1	1	mg/l		EPA 202.1	06-18-1999 1100	SC
Anions	5.6	----	meq/l		---------	06-24-1999 1130	RJ
Arsenic, Dissolved	<0.01	0.01	mg/l		EPA 206.2	06-15-1999 0745	MK
Boron, Dissolved	0.2	0.1	mg/l		EPA 212.3	06-23-1999 0730	MK
Cadmium, Dissolved	<0.01	0.01	mg/l		EPA 213.1	06-18-1999 0941	SC
Calcium, Dissolved	48	1	mg/l		EPA 215.1	06-17-1999 1521	SC
Cations	5.2	----	meq/l		---------	06-24-1999 1130	RJ
Chloride	2	1	mg/l		EPA 300.0	06-11-1999 0745	MK
Copper, Dissolved	<0.1	0.1	mg/l		EPA 220.1	06-18-1999 0853	SC
Hardness, Total	219	----	mg/l	as $CaCO_3$	SM2340-B	06-24-1999 1130	RJ
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	06-17-1999 0929	SC
Iron, Total	5.4	0.2	mg/l		EPA 236.1	07-01-1999 0818	SC
Lead, Dissolved	<0.1	0.1	mg/l		EPA 239.1	06-18-1999 0956	SC
Magnesium, Dissolved	24	1	mg/l		EPA 242.1	06-17-1999 1642	SC
Manganese, Total	0.2	0.1	mg/l		EPA 243.1	07-01-1999 0930	SC
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	06-17-1999 1031	SC
Molybdenum, Dissolved	<0.1	0.1	mg/l		EPA 246.1	06-18-1999 1148	SC
Nitrogen, Ammonia	<0.5	0.5	mg/l	as N	EPA 350.3	06-23-1999 0800	SC
Nitrogen, Nitrate-Nitrite	0.06	0.03	mg/l	as N	EPA 300.0	06-11-1999 0745	MK
Nitrogen, Nitrite	<0.03	0.03	mg/l	as N	EPA 300.0	06-11-1999 0745	MK

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

R. G. Cormier

Huntington Laboratory

MEMBER ACIL

9-21-00 DJ

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July 13, 1999

WEST RIDGE RESOURCES INC.
P.O. Box 902
Price UT 84501
Jean Semborski

Sample identification by

WEST RIDGE (SPRING & GROUND WATER)
ID:WR-2

Kind of sample reported to us Water

Sample taken at

Sample taken by

Date sampled June 9, 1999

Date received June 10, 1999

Rec'd 0820 hr.
Sampled 0815 hr.
FIELD MEASUREMENTS
pH 7.7
Conductivity 450
Temperature 46°F

DISSOLVED BORON FILTERED AT LAB.
AMMENDED FOR DIFFERENT SAMPLE ID.

Analysis report no. 59-19977

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	06-11-1999 0745	MK
Potassium, Dissolved	2	1	mg/l	EPA 258.1	06-17-1999 1235	SC
Selenium, Dissolved	<0.01	0.01	mg/l	EPA 270.2	06-15-1999 1045	MK
Sodium, Dissolved	17	1	mg/l	EPA 273.1	06-17-1999 1347	SC
Solids, Total Dissolved	299	10	mg/l	EPA 160.1	06-15-1999 0800	KP
Sulfate	15	1	mg/l	EPA 300.0	06-18-1999 0800	MK
Zinc, Dissolved	<0.01	0.01	mg/l	EPA 289.1	06-18-1999 0907	SC
Cation/Anion Balance	-3.8	----	%		06-24-1999 1130	RJ

Respectfully submitted.
COMMERCIAL TESTING & ENGINEERING CO.

RJ Cormier

Huntington Laboratory

MEMBER ACIL