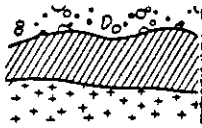


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**BONDAR-CLEGG**

Geochemical  
 Lab Report

REPORT: 155-9321 ( COMPLETE )

REFERENCE INFO:

CLIENT: UNION GEOTHERMAL  
 PROJECT: RG-01

SUBMITTED BY: GUNDERSON  
 DATE PRINTED: 3-OCT-85

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	SiO2 Silica (SiO2)	49	0.05 PCT	MULTI ACID - MIBK	D.C. Plasma
2	Al2O3 Alumina (Al2O3)	49	0.05 PCT	MULTI ACID - MIBK	D.C. Plasma
3	Fe2O3* Total Iron (Fe2O3*)	49	0.05 PCT	MULTI ACID - MIBK	D.C. Plasma
4	MnO Manganese (MnO)	49	0.05 PCT	MULTI ACID - MIBK	D.C. Plasma
5	MgO Magnesium (MgO)	49	0.05 PCT	MULTI ACID - MIBK	D.C. Plasma
6	CaO Calcium (CaO)	49	0.05 PCT	MULTI ACID - MIBK	D.C. Plasma
7	Na2O Sodium (Na2O)	49	0.05 PCT	MULTI ACID - MIBK	D.C. Plasma
8	K2O Potassium (K2O)	49	0.05 PCT	MULTI ACID - MIBK	D.C. Plasma
9	TiO2 Titanium (TiO2)	49	0.05 PCT	MULTI ACID - MIBK	D.C. Plasma
10	P2O5 Phosphorous (P2O5)	49	0.05 PCT	MULTI ACID - MIBK	D.C. Plasma
11	LOI Loss on Ignition	49	0.05 PCT	MULTI ACID - MIBK	Gravimetric

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCKS	49	6 -100	49	PREP AS PER 1ST REPORT IN SERIES	49

REMARKS: GE EUL HO LA LU ND SCL SM TB THL TM YB  
 TO FOLLOW

REPORT COPIES TO: MR. RICHARD GUNDERSON

INVOICE TO: MR. RICHARD GUNDERSON

ALEX SCHRIENER  
 JAN 28 1986

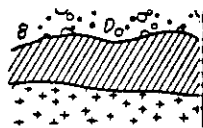


REPORT: 155-0321

PROJECT: R6-01

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SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	TiO2 PCT	P2O5 PCT	LOI PCT
R6 14-23-816		66.50	14.50	3.40	0.07	0.80	2.50	4.50	4.30	0.65	0.14	0.50
R6 14-23-1462		54.00	15.00	9.10	0.14	3.90	8.00	4.00	1.60	1.50	0.30	2.10
R6 14-23-1903		70.00	13.00	1.70	0.04	0.60	1.50	4.00	4.50	0.25	0.04	2.30
R6 17A-6-200		57.00	15.50	8.20	0.13	3.20	6.90	4.30	1.60	1.35	0.30	0.95
R6 17A-6-2100		56.00	15.00	9.20	0.16	2.80	6.80	4.40	1.80	1.70	0.50	1.50
R6 17A-6-4750		52.50	16.00	8.90	0.14	4.50	9.40	4.00	0.70	1.30	0.25	1.40
R6 17A-6-5820		74.50	13.00	1.00	0.01	0.50	1.00	4.00	4.60	0.10	0.06	0.60
R6 17A-6-6900		56.50	17.00	7.10	0.07	3.50	8.10	4.00	1.50	1.05	0.25	0.95
R6 17A-6-7710		66.00	15.00	3.60	0.06	1.80	4.20	4.20	3.80	0.70	0.17	0.50
R6 17A-6-7750		70.50	14.00	2.90	0.05	0.80	2.50	4.50	3.80	0.30	0.09	0.35
R6 17A-6-8400		64.00	15.50	5.00	0.09	1.60	4.30	4.80	2.30	0.90	0.35	0.65
R6 17A-6-9000		66.00	15.50	4.40	0.08	1.30	3.50	4.50	3.10	0.85	0.20	0.45
R6 18-34-1049		62.50	14.00	3.00	0.07	0.80	2.60	4.00	3.50	0.65	0.13	0.95
R6 18-34-1289		74.50	13.00	1.70	0.04	0.40	1.30	4.00	4.00	0.25	0.09	0.25
R6 18-34-2507		65.00	15.50	4.20	0.08	1.20	3.50	4.30	3.80	0.80	0.25	0.60
R6 18-34-3498		53.50	17.00	7.50	0.14	5.00	9.50	3.50	0.90	1.10	0.20	0.65
R6 27-27-1266		56.00	17.00	6.90	0.12	4.50	8.30	3.50	1.40	1.05	0.25	0.30
R6 27-27-2145		53.50	17.00	7.00	0.12	5.40	9.20	3.50	1.10	0.95	0.25	0.25
R6 27-27-2785		51.00	16.50	8.50	0.15	5.40	9.50	3.80	1.00	1.45	0.40	0.85
R6 28-32-485		67.50	14.50	3.10	0.10	1.10	2.80	4.00	3.30	0.50	0.10	2.35
R6 28-32-1061		69.00	14.50	3.20	0.06	0.90	2.50	4.50	3.80	0.55	0.12	0.40
R6 28-32-1497		71.50	14.00	2.40	0.04	0.70	2.00	4.00	4.10	0.40	0.09	0.30
R6 28-32-2258		72.00	12.50	2.50	0.05	0.50	1.50	4.00	3.30	0.50	0.11	1.70
R6 28-32-2514		67.50	13.00	2.20	0.05	0.40	1.50	3.50	4.10	0.45	0.11	5.70
R6 28-32-3187		72.00	13.00	1.00	0.04	0.20	1.20	3.50	3.90	0.05	0.01	2.45
R6 28-32-3968		58.00	13.00	6.50	0.25	1.70	4.50	4.00	1.50	1.35	0.65	7.30
R6 29-1-467		70.00	14.00	2.50	0.06	0.60	2.30	4.50	3.40	0.55	0.15	0.30
R6 29-1-873		60.00	15.00	5.80	0.15	3.00	6.50	3.80	2.00	0.95	0.20	0.30
R6 29-1-2375		70.00	12.00	1.40	0.03	0.20	1.20	3.80	4.50	0.25	0.04	4.25
R6 29-1-3088		55.50	15.50	7.50	0.13	3.80	8.00	3.70	1.20	1.30	0.25	1.20
R6 45-36-1419		58.50	15.00	7.50	0.16	2.50	5.90	4.50	1.40	1.50	0.30	1.85
R6 45-36-2379		48.00	15.50	9.00	0.17	5.50	10.00	3.30	0.50	1.70	0.40	3.85
R6 45-36-2842		46.50	18.00	9.20	0.18	4.00	7.00	4.50	1.20	1.50	0.35	4.85
R6 57-13-781		71.00	13.50	2.50	0.05	0.60	1.80	4.30	4.20	0.45	0.04	0.25
R6 56-13-1423		70.50	12.50	1.30	0.03	0.30	1.20	4.00	4.50	0.15	0.03	4.80
R6 57-13-1537		71.50	12.50	1.30	0.03	0.30	1.20	4.00	4.30	0.20	0.04	3.80
R6 7-13-2929		54.50	17.00	6.10	0.12	4.50	8.50	4.00	1.00	0.90	0.20	1.45
R6 62-21-1700		49.50	16.50	7.00	0.14	6.70	10.00	3.00	0.40	0.80	0.10	4.45
R6 65-26-625		68.50	14.00	2.90	0.06	1.90	2.80	4.50	4.10	0.55	0.11	0.25
R6 65-26-938		62.50	14.50	5.20	0.11	1.80	4.50	5.00	2.70	1.20	0.25	0.35



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SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	TiO2 PCT	P2O5 PCT	LOI PCT
R6 65-26-1784		71.00	13.00	1.50	0.03	0.20	1.00	3.50	5.00	0.15	0.02	3.95
R6 68-16-504		71.50	13.50	2.20	0.04	0.50	1.80	4.00	4.90	0.35	0.10	0.20
R6 68-16-1338		72.00	12.50	1.80	0.04	0.35	1.50	4.50	4.50	0.30	0.01	1.50
R6 68-16-1857		73.50	12.50	1.40	0.03	0.20	1.10	4.00	4.50	0.15	0.05	1.45
R6 68-16-2227		57.00	16.00	5.80	0.10	3.90	7.80	3.80	1.70	0.80	0.20	1.15
R6 68-16-2936		72.50	13.50	1.50	0.04	0.20	1.10	4.50	4.80	0.08	0.01	0.35
R6 86-23-1085		55.50	18.50	6.00	0.10	4.10	8.50	3.50	1.00	0.65	0.15	1.10
R6 86-23-2103		55.00	17.00	7.50	0.12	3.90	8.20	3.50	1.80	1.00	0.45	0.75
R6 86-23-3197		51.50	15.50	10.00	0.16	4.20	8.00	4.00	1.80	1.40	0.70	1.90