ACID BASE ACCOUNTING TEST REPORT

Homestake Canada Ltd.
1000 - 700 W. Pender Street
Vancouver, B.C.
V6C 1G8

File No. : 94-059

Report No. : 1

Date Reported : 23-Sep-94

Attention : Mr. Percy Pacor, Project Manager

Project : Goose Lake

	Sample I.D.	S (tot) %	S (SO4) %	Ca %	CO2 %	Paste pH	NP	MPA	Net NP
1.	Comp 1	3.52	<.01			9.5	55.5	110.	-54.5
2.	Comp 2	0.09	<.01			9.2	7.77	2.81	4.96
3.	Comp3	0.43	0.02			8.8	62.9	12.8	50.1
4.	94G056058	0.81	<.01			8.1	10.6	25.3	-14.7
5.	94G056123	1.95	<.01			8.8	12.1	60.9	-48.8
6.	~~94G059020~~ 94G068020	0.32	0.01			8.2	93.6	9.69	83.9
7.	94G056128	0.19	<.01			9.1	16.0	5.94	10.1
8.	94G056129	0.05	<.01			8.6	8.37	1.56	6.81
9.	94G056130	0.07	<.01			9.1	9.87	2.19	7.68
10.	94G056131	<.01	<.01			8.6	5.60	-	5.60
11.	94G056132	0.24	<.01			9.4	12.6	7.50	5.10
12.	94G070001	0.13	0.01			8.5	6.70	3.75	2.95

Comp1 = 94G056010 + 011
Comp2 = 94G056053 + 054
Comp3 = 94G056095 + 096

Peter Tse, AScT.
Laboratory Manager

Notes :

1. Analytical methods employed according to procedures described in "Field and Laboratory Methods Applicable to [illegible] and Minesoils", EPA 600/2-78-054, pp. 45-55, 1978
2. NP = Neutralization Potential as determined by acid consumption test
   MPA = Maximum Potential Acidity (%S (tot) x 31.25)
   Net NP = NP - MPA
3. NP, MPA and Net NP are expressed in tonnes CaCO3 equiv. per 1000 tonnes sample
4. Samples with negative Net NP are potential acid producers

HOMESTAKE CANADA LTD. - ICP REPORT

Goose Lake

Project no : 94-059

Sample id	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	K %	Si %	W ppm	Be ppm
Comp 1	2	42	18	29	1.4	20	11	262	13.2	4893	5	53	1	1	3	19	2.13	0.08	12	35	0.35	76	0.02	1.79	0.11	0.25	0.02	2	1
Comp 2	3	7	16	17	0.1	8	2	148	1.29	471	5	10	1	1	1	3	0.30	0.04	18	77	0.14	49	0.01	0.21	0.03	0.19	0.01	1	1
Comp 3	2	13	21	6	0.1	11	12	274	14.9	72	5	13	1	2	1	12	1.50	0.06	6	67	0.68	77	0.03	0.6	0.04	0.19	0.02	2	1
94G070001	5	51	20	35	0.2	28	9	421	7.77	35	5	58	1	1	1	30	2.16	0.06	18	82	0.71	44	0.06	2.48	0.05	0.14	0.02	1	1
94G070020	3	16	15	1	0.1	7	9	629	9.60	20	5	22	1	1	1	9	4.78	0.06	6	73	2.29	43	0.01	0.37	0.03	0.13	0.01	1	1
94G056058	2	92	6	32	3.6	47	15	310	9.81	86	5	9	1	2	1	18	0.73	0.01	25	84	0.41	33	0.06	1.98	0.06	0.07	0.02	1	1
94G056123	3	57	5	63	0.2	44	16	465	7.05	148	5	15	1	1	3	39	0.45	0.04	31	167	0.71	177	0.18	2.54	0.03	0.83	0.02	1	1
94G056128	2	118	13	66	0.1	38	33	787	5.05	14	5	20	1	2	1	95	1.10	0.08	6	52	1.19	73	0.56	2.25	0.05	0.36	0.02	1	1
94G056129	1	19	12	88	0.1	65	37	564	10.5	21	5	12	1	6	1	86	0.29	0.05	27	123	1.26	254	0.27	4.26	0.03	0.89	0.02	2	1
94G056130	3	57	10	73	0.2	64	23	303	5.01	40	5	7	1	1	1	28	0.29	0.06	32	104	1.1	85	0.14	2.43	0.01	0.99	0.02	1	1
94G056131	4	12	13	104	0.1	71	37	424	9.38	60	5	6	2	4	1	49	0.13	0.05	29	109	1.21	62	0.03	3.88	0.01	0.31	0.02	2	1
94G056132	2	54	14	71	0.1	54	22	404	4.41	29	5	9	1	1	1	41	0.27	0.04	31	141	0.89	133	0.22	2.04	0.03	1.25	0.02	1	1

GOOSE LAKE DRILL CORE FOR ARD PROGRAM

Sample 94G056058

Drill Hole 94G056
Sample Interval from 320.80 m to 322.16 m
Rock unit: Sulphide-bearing Silicate Iron Formation
Pyrite 1%
Pyrrhotite 5%
Chlorite 4%

Massive coarse grained hornblende-bearing iron formation with moderate interstitial pyrrhotite and pyrite. Unit is situated in the footwall greywackes.

Samples 94G056095 and 096

Drill Hole 94G056
Sample Interval from 393.00 m to 395.00 m
Rock unit: Oxide Iron Formation
Pyrite 0%
Pyrrhotite 0%
Grunerite 1%
Ankerite 1%
Magnetite 20%
Vein Quartz 2%

Rhythmically interbanded chert and magnetite, moderate chlorite occurs within magnetite rich bands, grunerite rosettes form rinds separating magnetite and chert bands. Unit is situated in the Lower Iron Formation located in the East Limb of the anticline.

Sample 94G056123

Drill Hole 94G056
Sample Interval from 318.50 m to 319.50 m
Rock unit: Greywacke
Pyrite 0.1%
Pyrrhotite 0.1%
Arsenopyrite 0.1%
Chlorite 0.2%
Calcite 0.2%
Vein Quartz 1%

Massive greywacke, minor quartz veinlets with trace chlorite and sulphides. Unit is situated in the footwall grewackes.

Samples 94G056053 and 054

Drill Hole 94G056
Sample Interval from 311.40 m to 313.70 m
Rock unit: Felsic Dyke
Pyrite 0%
Pyrrhotite 0%
Arsenopyrite 0.1%

Quartz feldspar porphyry dyke, 2 mm wide subhedral quartz phenocrysts in a medium grained feldspar matrix, no veining, weak foliation. Unit if situated in the footwall greywckes.

Sample 94G069020

Drill Hole 94G069
Sample Interval from 36.65 m to 37.70 m
Rock unit: Oxide Iron Formation
Pyrite 0%
Pyrrhotite 0%
Arsenopyrite 0%
Chlorite 3%
Ankerite 2%
Magnetite 10%
Vein Quartz 3%

Rusty red hematite stained, banded chert-magnetite iron formation, Lower Iron Formation unit situated in the west limb of the anticline.

Sample 94G056128

Drill Hole 94G056
Sample Interval from 184.00 m to 185.00 m
Rock unit: Gabbro Dyke
Pyrite 0.1%
Pyrrhotite 0%
Arsenopyrite 0%
Chlorite 2%
Calcite 0.2%
Vein Quartz 0.5%

Massive coarse grained gabbro with minor quartz, calcite and pervasive metamorphic chlorite. Unit situated in the west limb of the anticline.

Sample 94G056129

Drill Hole 94G056
Sample Interval from 151.80 m to 153.10 m
Rock unit: Mudstone
Pyrite 0.1%
Pyrrhotite 0%
Arsenopyrite 0%
Chlorite 0.1%
Calcite 0%
Vein Quartz 0.5%

Massive, dark grey to black siltstone (mudstone, minor quartz veining with trace pyrite, chlorite. Unit situated in the overlying Upper Iron Formation.

Sample 94G056130

Drill Hole 94G056
Sample Interval from 207.20 m to 208.30 m
Rock unit: Greywacke
Pyrite 0%
Pyrrhotite 0%
Arsenopyrite 0%
Chlorite 0%
Ankerite 0.1%
Vein Quartz 0.2%

Massive, medium grey greywacke, with minor quartz-carbonate veining. Unit situated in the overlying Upper Iron Formation.

Sample 94G056131

Drill Hole 94G056
Sample Interval from 217.40 m to 219.40 m
Rock unit: Phyllitic Mudstone
Pyrite 0%
Pyrrhotite 0.1%
Arsenopyrite 0%
Chlorite 0.1%
Ankerite 0.1%
Graphite 3%
Vein Quartz 1%

Black, graphitic phyllitic mudstone, graphite along contorted foliations and slickensides, minor pyrrhotite along foliations. Unit situated in the overlying Middle Mudstone.

Sample 94G056132

Drill Hole 94G056
Sample Interval from 360.50 m to 362.00 m
Rock unit: Greywacke
Pyrite 0%
Pyrrhotite 0.1%
Arsenopyrite 0%
Chlorite 0%
Ankerite 0.2%
Vein Quartz 2%

Massive, medium grey greywacke, moderate quartz veinlets with trace carbonate and pyrrhotite, minor chert boudins. Unit situated in the footwall greywackes.

Samples 94G056010 and 011

Drill Hole 94G056
Sample Interval from 227.50 m to 229.50 m
Rock unit: Sulphide-Bearing Oxide Iron Formation
Pyrite 0%
Pyrrhotite 5%
Arsenopyrite 0.7%
Grunerite 4%
Chlorite 5%
Calcite 1%
Ankerite 0.2%
Magnetite 1%
Vein Quartz 10%

Banded chlorite, hornblende, grunerite, chert with pyrrhotite, arsenopyrite disseminated and in veinlets. Chert bands are brecciated and healed with sulphide-chlorite veins. Minor magnetite, almost completely replaced or altered. Unit situated in the Lower Iron Formation located in the west limb of the anticline.

Sample 94G070001

Drill Hole 94G070
Sample Interval from 98.10 m to 100.90 m
Rock unit: Silicate Iron Formation
Pyrite 0.1%
Pyrrhotite 0%
Arsenopyrite 0%
Grunerite 0%
Chlorite 5%
Calcite 0.5%
Ankerite 0%
Magnetite 1%
Vein Quartz 1%

Massive to weakly foliated hornblende chlorite iron formation, Unit situated in the Upper Iron Formation located in the west limb of the anticline.

HOMESTAKE CANADA LTD - WHOLE ROCK ANALYSIS REPORT

Goose Lake

Project no : 94-059

Sample id	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	TiO2 %	MnO %	BaO %	Cr2O3 %	SrO %	LOI %	Total %
Comp 1	40.43	6.51	38.70	1.57	6.48	0.44	0.41	0.175	0.144	0.068	0.011	0.089	0.007	2.8	97.8
Comp 2	75.92	12.68	1.46	0.36	1.34	3.72	1.75	0.126	0.067	0.019	0.048	0.024	0.019	2.8	100.3
Comp 3	57.49	2.00	31.30	1.89	2.74	0.10	0.22	0.146	0.078	0.043	0.009	0.084	0.001	2.6	97.7
94G070001	60.52	8.65	17.07	1.87	5.87	0.46	0.33	0.135	0.345	0.071	0.010	0.063	0.010	3.4	97.8
94G056020	54.13	1.47	17.58	4.54	7.63	0.06	0.27	0.139	0.069	0.066	0.006	0.059	0.002	12.5	97.5
94G056058	56.65	8.73	23.04	1.53	5.14	0.44	0.26	0.054	0.399	0.072	0.007	0.078	0.002	2.2	97.6
94G056123	69.62	9.91	10.05	1.43	2.54	1.48	1.10	0.078	0.432	0.055	0.032	0.067	0.018	2.0	98.8
94G056128	50.23	12.29	14.46	5.52	9.98	2.06	0.59	0.204	1.502	0.196	0.016	0.055	0.016	2.2	99.3
94G056129	56.70	14.78	16.06	2.60	1.73	2.48	1.26	0.096	0.619	0.059	0.038	0.062	0.019	3.1	99.6
94G056130	67.49	14.70	7.38	2.47	0.68	0.22	4.08	0.160	0.583	0.032	0.062	0.056	0.004	3.2	101.1
94G056131	54.91	16.25	13.95	2.64	0.47	0.16	3.16	0.083	0.692	0.043	0.053	0.082	0.005	5.4	97.9
94G056132	72.17	12.72	6.04	1.74	1.77	2.38	2.32	0.074	0.491	0.045	0.045	0.056	0.017	1.7	101.6

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Goose Lake

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Sample id	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	P2O5 %	TiO2 %	MnO %	BaO %	Cr2O3 %	SrO %	LOI %	Total %
Comp 1	40.43	6.51	38.70	1.57	6.48	0.44	0.41	0.175	0.144	0.068	0.011	0.089	0.007	2.8	97.8
Comp 2	75.92	12.68	1.46	0.36	1.34	3.72	1.75	0.126	0.067	0.019	0.048	0.024	0.019	2.8	100.3
Comp 3	57.49	2.00	31.30	1.89	2.74	0.10	0.22	0.146	0.078	0.043	0.009	0.084	0.001	2.6	97.7
94G070001	60.52	8.65	17.07	1.87	5.87	0.46	0.33	0.135	0.345	0.071	0.010	0.063	0.010	3.4	97.8
94G056020	54.13	1.47	17.58	4.54	7.63	0.06	0.27	0.139	0.069	0.066	0.006	0.059	0.002	12.5	97.5
94G056058	56.65	8.73	23.04	1.53	5.14	0.44	0.26	0.054	0.399	0.072	0.007	0.078	0.002	2.2	97.6
94G056123	69.62	9.91	10.05	1.43	2.54	1.48	1.10	0.078	0.432	0.055	0.032	0.067	0.018	2.0	98.8
94G056128	50.23	12.29	14.46	5.52	9.98	2.06	0.59	0.204	1.502	0.196	0.016	0.055	0.016	2.2	99.3
94G056129	56.70	14.78	16.06	2.60	1.73	2.48	1.26	0.096	0.619	0.059	0.038	0.062	0.019	3.1	99.6
94G056130	67.49	14.70	7.38	2.47	0.68	0.22	4.08	0.160	0.583	0.032	0.062	0.056	0.004	3.2	101.1
94G056131	54.91	16.25	13.95	2.64	0.47	0.16	3.16	0.083	0.692	0.043	0.053	0.082	0.005	5.4	97.9
94G056132	72.17	12.72	6.04	1.74	1.77	2.38	2.32	0.074	0.491	0.045	0.045	0.056	0.017	1.7	101.6