ASSESSMENT REPORT

SAM CLAIMS, WHITEHORSE M. D.
115-J-9 and 115-I-12

by

J. S. McKinney, B.Sc., M.Sc.

October 20, 1976

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work to the amount of

$ 9600

9600

W D Sinclair

A Regional Geologist or
~~Resident Mining Engineer~~

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act

B.R. BAXTER
Supervising Mining Recorder

for Commissioner of Yukon Territory

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ILLUSTRATIONS

Plate 1 - Location Map	In Pocket
Plate 2 - Claim Group Map Showing Work Done	In Pocket
Plate 3 - Geochemical Map	In Pocket

1. Introduction

The property was staked on 25 Oct., 1975. As an initial phase in the exploration of the property a programme of geochemical soil sampling was conducted on the SAM claims during the periods 3-8 July and 6 Aug. through 11 Oct., 1976. All work was conducted on behalf of Anglo American Corp. of Canada Exploration, Ltd.

2. Location and Access

The SAM claims are located in the Whitehorse Mining Division at 138°05'W, 62°39'N at the boundary of claim sheets 115-J-9 and 115-I-12. The claim group is bordered by Hayes Creek to the north and east and by Butterfield Creek to the south. These creeks are tributaries of the Selwyn River which empties into the Yukon River about 35 miles downstream from Fort Selkirk, Yukon Territory.

The area is accessible in summer only by helicopter. The only suitable locale for an exploration camp, based on a permanent water supply, is on Hayes Creek along the eastern boundary of the claims. The camp locale plus the ruggedness of the terrain causes the bulk of the claim group to be accessible only by helicopter.

3. Personnel

The geochemical soil sampling programme was conducted by five men under the supervision of Mr. J.S. McKinney, Divisional Geologist, Anglo American Corporation of Canada, Ltd. The summary of qualifications of Mr. McKinney is included in this report.

4. Claim Ownership

Ownership of the SAM claims is as follows:

1. SAM 1-86, YA3869-YA3954:- Anglo American Corp. of Canada Exploration, Ltd.
2. Claims to be transferred to Anglo American Corp. of Canada Exploration, Ltd:
   - 2.1. SAM 87 and 88: - Staker J. Johnson
   - 2.2. SAM 89 through 96: - Staker E.C. Woolven
   - 2.3. SAM 97 and 98: - Staker C. Johnson

5. Geochemical Soil Sampling Programme

Mr. McKinney was dropped from a helicopter on 3 July 1976 on the western portion of the claim block. Soil and stream concentrate samples were taken along a route (see sample sites Plate 2) to the junction of Hayes and Butterfield Creeks where helicopter pick-up was made on 8 July 1976.

A camp was purchased and it along with 5 men were mobilised to the property on 6 Aug. 1976. The camp was demobilised on 10 Oct., 1976. During this period a geochemical soil sampling programme was conducted.

Samples were taken at 25 metre intervals along various pre-existing cut lines. The cut lines ran true north-south at a spacing of 400 feet. Three true east-west tie lines, having a spacing of 3,000 feet crossed the north-south lines. (See Plates 2 and 3). Lines were flagged by the current personnel where line spacing closer than 400 feet was desired. In practically all cases samples were taken of soil material below the moss and black muck layer. This soil consisted either of a laterite or rock-rubble and mud. Two pounds of soil were taken in all cases. Duplicate samples of the coarser material from the sample site were taken for later coarse fraction visual analysis.

5. Geochemical Soil Sampling Programme (cont.)

Samples were analysed by Bondar Clegg and Co. in Vancouver. The analytical methods are listed on the analysis sheets submitted as Appendix A. Excess material from the samples is retained for additional analysis, if required.

The results of analysis are varied. Insufficient data are available to interpret anomalous areas.

6. Conclusion

The 1976 geochemical programme was conducted in a satisfactory manner. Results of the analysis are sufficiently encouraging to warrant further work on the property in 1977.

James S. McKinney

James S. McKinney, B.Sc., M.Sc.
Divisional Geologist
Anglo American Corp. of Canada, Ltd.

October 22, 1976

Bibliography

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1936: Carmacks district, Yukon; Geol. Surv. Can., Mem. 189.

1944: Preliminary map, Selwyn River, Yukon; Geol. Surv. Can., Paper 44-34.

1957: Selected field reports of the Geological Survey of Canada, 1898-1933; Geol. Surv. Can., Mem. 284.

1966: Notes on glaciation in central Yukon Territory; Geol. Surv. Can., Paper 65-36.

Tempelman - Kluit, D.J.

1974: Reconnaissance Geology of Aishihik Lake, Snag and part of Stewart River Maps-Areas, West-Central Yukon; Geol. Surv. Can., Paper 73-41.

APPENDIX 'A'

BONDAR-CLEGG & COMPANY LTD.
1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

Geochemical Lab Report

Te; HBr Leach
Ag; Hot Aqua Regia Bi; Hot HNO_3
Au; Fire Assay & Hot Aqua Regia

Extraction

Report No. 26 - 445

Method Atomic Absorption

From Anglo American Corp.

Fraction Used

Date July 21 19 76

SAMPLE NO.	Ag* ppm	Bi ppm	Au ppb	Te ppm				REMARKS
14501	1.1	< 2	< 5	<0.5				
14502	0.2	< 2	25	<0.5				
14503	0.2	< 5	10	<0.5				
14504	0.2	< 2	< 5	<0.5				
14505	0.2	< 2	< 5	<0.5				
14506	0.2	< 2	5	<0.5				
14507	0.2	< 2	5	<0.5				
14508	0.2	< 2	5	<0.5				
14509	0.2	< 2	< 5	<0.5				
14510	0.2	< 2	< 5	<0.5				
14511	0.2	< 2	20	<0.5				
14512	0.2	< 2	< 5	<0.5				
14513	0.2	< 2	< 5	<0.5				
14514	3.8	< 2	115	<0.5				
14516	1.2	< 2	50	<0.5				
14517	0.3	< 2	15	<0.5				
14518	0.2	< 2	< 5	<0.5				
14519 Rock	1.6	< 2	35	<0.5				
								* background corrected

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Geochemical Lab Report

Te; H.B.R. Leach
Au; Fire Assay & Hot Aqua Regia
Extraction Ag, Pb; Hot Aqua Regia Bi; Hot HNO_3

Report No. 26 - 716

Method Atomic Absorption

From Anglo American Corp.

Fraction Used

Date August 23, 19 76

SAMPLE NO.	Pb ppm	Ag* ppm			REMARKS
1001	45	0.2			
1002	52	0.2			
1003	56	0.2			
1004	103	0.7			
1005	52	1.4			
1006	38	0.6			
1007	46	0.2			
1008	44	0.8			
1009	72	13			
1010	15	0.8			
1011	64	3.7			
1012	50	1.6			
1013	82	1.0			
1014	900	7.0			
1015	62	0.4			
1016	43	1.2			
1017	114	3.5			
1018	63	1.3			
1019	114	0.6			
1020	270	2.0			
1021	105	0.8			
1022	120	0.2			
1023	76	0.2			
1024	62	1.0			
1025	46	1.2			
1026	30	0.2			
1027	23	0.2			
1028	26	0.2			
1029	31	0.2			
1030	560	2.4			

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Geochemical Lab Report

Report No. 26 - 716 Page No. 2

SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1031	250	2.3	
1032	116	1.8	
1033	41	0.3	
1034	26	0.2	
1035	29	0.2	
1036	26	0.2	
1037	19	0.2	
1038	51	0.2	
1039	52	0.3	
1040	36	0.2	
1041	38	0.2	
1042	38	0.2	
1043	42	1.4	
1045	33	0.3	
1046	50	0.7	
1047	16	0.7	
1048	42	0.3	
1049	42	0.2	
1050	60	0.2	
1051	74	0.3	
1052	45	0.3	
1053	320	2.7	
1055	33	0.2	
1056	32	0.2	
1058	26	0.2	
1059	3800	11	
1060	380	1.6	
1061	210	1.7	
1062	81	0.4	
1063	57	1.0	
1044	28	0.8	
1054	16	0.2	
1057	14	0.2	
1064	12	0.2	

* Background corrected

** detection limit on a small sample

L denotes 'less than'

cc Dawson City

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Geochemical Lab Report

Extraction: Au; Fire Assay & Hot Aqua Regia
Pb,Ag; Hot Aqua Regia Bi; Hot HNO_3

Method: Pb,Ag,Au,Bi; Atomic Absorption

Fraction Used:

Report No. 26 - 793

From: Anglo American Corp.

Date: August 25, 1976

SAMPLE NO.	Pb ppm	Ag* ppm
1067	40	0.2
1068	25	0.5
1069	33	0.2
1070	108	1.1
1071	163	3.0
1072	43	1.6
1073	71	0.7
1074	34	0.8
1075	55	1.0
1076	32	0.4
1077	180	3.8
1078	250	5.4
1079	35	0.8
1080	285	2.8
1081	62	0.8
1082	69	1.2
1083	25	0.8
1084	56	2.4
1085	15	0.7
1086	60	1.6
1087	36	0.9
1088	32	1.0
1089	36	0.3
1090	44	0.6
1091	800	0.6
1092	182	1.2
1093	36	0.8
1094	59	1.0
1095	300	2.2
1096	34	1.0

		REMARKS

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 26 - 793

SAMPLE NO.	Pb ppm	Ag* ppm
1097	260	1.1
1099	170	2.2
1100	615	4.0
1101	230	2.0
1102	35	1.6
1103	20	0.8
1104	21	0.2
1105	91	0.9
1106	142	2.1
1107	112	1.2
1108	57	2.0
1109	540	2.4
1110	715	3.8
1111	114	1.0
1112	58	0.3
1113	24	0.2
1114	34	0.6
1115	30	1.0
1117	130	1.6
1118	230	2.9
1119	61	1.8
1120	31	1.4
1122	59	1.2
1124	205	3.1
1125	142	4.0
1126 A	45	1.0
1126 B	70	1.2
1128	30	0.9
1130	15	0.2
1131	30	0.2
1132	44	0.5
1133	43	1.8
1134	72	1.4
1135	47	2.4
1136	54	1.4

		REMARKS

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Geochemical Lab Report

Report No. 26 - 793

SAMPLE NO.	Pb ppm	Ag* ppm
1137	58	3.0
1138	54	0.8
1139	31	0.4
1140	24	0.5
1141	25	0.8
1142	22	0.2
1143	18	0.3
1144	33	1.0
1145	71	1.6
1146	28	0.6
1147	16	2.5
1148	51	1.2
1150	154	1.3
1151	93	1.8
1152	75	0.4
1153	67	0.9
1154	89	0.4
1155	110	1.6
1156	280	3.4
1157	75	0.2
1158	83	0.8
1159	79	1.2
1160	67	1.6
1161	130	2.2
1162	500	4.6
1163	260	2.6
1164	310	4.8
1165	240	5.2
1176	30	0.2
1177	170	1.5
1178	430	3.2
1180	NS	NS
1181	175	1.6
1182	73	1.6
1183	420	2.6

		REMARKS

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 26 - 793

SAMPLE NO.	Pb ppm	Ag* ppm
1184	450	3.5
1185	126	1.8
1186	118	1.2
1187	230	1.1
1188	137	1.5
1189	153	1.8
1190	20	0.8
1191	50	0.9
1192	50	1.2
1193	38	2.0
1194	76	1.6
1195	34	0.6
1196	120	1.3
1197	195	3.6
1198	60	1.0
1199	60	0.8
1200	69	0.9
No Number A	90	1.8
1065 Rocks	890	5.0
1066	285	2.1
1098	76	0.6
1116	76	0.6
1121	46	0.3
1123	30	0.4
1129	36	0.2
1178	195	2.8
1179	93	0.6

		REMARKS

* background corrected

** detection limit on a small sample

IS denotes 'insufficien sample'

NS denotes 'no sample'

cc Dawson City

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Geochemical Lab Report

Te; HBr-Br & MIBK
Au; Fire Assay & Hot Aqua Regia

Extraction Pb,Ag; Hot Aqua Regia Bi; Hot HNO_3

Report No. 26 - 816

Method Au,Pb,Ag,Te,Bi; Atomic Absorption

From Anglo American Corp.

Fraction Used

Date September 2 19 76

SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1301	130	1.8	
1302	93	0.6	
1303	66	0.4	
1304	70	0.6	
1305	80	0.4	
1306	121	0.3	
1307	340	1.6	
1308	245	2.2	
1309	110	0.4	
1310	48	0.5	
1311	68	0.7	
1312	86	0.6	
			* background corrected
			cc Dawson City

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Geochemical Lab Report

Extraction: Pb,Ag; Hot Aqua Regia
Te; HBr-Br+MIBK Bi; Hot HNO_3
Au; Fire Assay & Hot Aqua Regia

Report No. 26 - 853

Method: Au,Te,Pb,Ag,Bi; Atomic Absorption

From: Anglo Amercian

Fraction Used:

Date: September 3 19 76

SAMPLE NO.	Pb ppm	Ag* ppm			REMARKS
1376	86	5.8			
1377	50	1.1			
1378	84	1.4			
1379	38	0.4			
1380	37	1.2			
1381	52	0.3			
1382	61	1.0			
1383	51	0.2			
1384	60	0.2			
1385	58	0.2			
1386	35	0.2			
1387	32	0.2			
1388	117	0.5			
1389	80	0.9			
1390	49	0.4			
1391	134	0.8			
1392	280	0.3			
1393	92	3.8			
1395	50	1.8			
1396	44	0.6			
1397	59	0.3			
1398	32	0.3			
1399	31	0.2			
1400	42	0.7			
1401	48	0.8			
1402	103	1.6			
1403	24	0.3			
1404	66	2.4			
1405	34	0.2			
1406	94	1.8			

Geochemical Lab Report

Report No. 26 - 853

SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1407	145	1.9	
1408	42	1.2	
1409	44	1.4	
1410	41	0.9	
1411	116	1.5	
1412	90	6.2	
1413	220	2.0	
1414	132	2.3	
1415	165	2.3	
1416	66	1.2	
1417	240	3.5	
1418	74	1.3	
1419	66	1.8	
1420	60	1.0	
1421	55	1.4	
1422	51	1.2	
1423	74	5.0	
1424	82	5.0	
~~1167 Rocks~~	~~800~~	~~0.9~~	
~~1168~~	~~250~~	~~0.4~~	
1425	260	0.4	

* background corrected

cc Mr. McKinney

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Geochemical Lab Report

Extraction: Pb,Ag; Hot Aqua Regia
Te; HBr-Br+MIBK Bi; Hot HNO_3
Au; Fire Assay & Hot Aqua Regia

Report No. 26 - 853

Method: Au,Te,Pb,Ag,Bi; Atomic Absorption

From: Anglo Amercian

Fraction Used:

Date: September 3 19 76

SAMPLE NO.	Pb ppm	Ag* ppm			REMARKS
1376	86	5.8			
1377	50	1.1			
1378	84	1.4			
1379	38	0.4			
1380	37	1.2			
1381	52	0.3			
1382	61	1.0			
1383	51	0.2			
1384	60	0.2			
1385	58	0.2			
1386	35	0.2			
1387	32	0.2			
1388	117	0.5			
1389	80	0.9			
1390	49	0.4			
1391	134	0.8			
1392	280	0.3			
1393	92	3.8			
1395	50	1.8			
1396	44	0.6			
1397	59	0.3			
1398	32	0.3			
1399	31	0.2			
1400	42	0.7			
1401	48	0.8			
1402	103	1.6			
1403	24	0.3			
1404	66	2.4			
1405	34	0.2			
1406	94	1.8			

Geochemical Lab Report

Report No. 26 - 853

SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1407	145	1.9	
1408	42	1.2	
1409	44	1.4	
1410	41	0.9	
1411	116	1.5	
1412	90	6.2	
1413	220	2.0	
1414	132	2.3	
1415	165	2.3	
1416	66	1.2	
1417	240	3.5	
1418	74	1.3	
1419	66	1.8	
1420	60	1.0	
1421	55	1.4	
1422	51	1.2	
1423	74	5.0	
1424	82	5.0	
1167 Rocks	800	0.9	
1168	250	0.4	
1425	260	0.4	

* background corrected

cc Mr. McKinney

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Geochemical Lab Report

Te; HBr-Br & MIBK
Bi; Hot HNO_3
Pb,Ag; Hot Aqua Regia
Au; Fire Assay & Hot Aqua Regia

Extraction

Method: Atomic Absorption

Fraction Used

Report No. 26 - 914

From: Anglo American Corp.

Date: September 13 19 76

SAMPLE NO.	Pb ppm	Ag* ppm				REMARKS
1601	41	0.3				
1602	33	0.5				
1603	24	1.2				
1604	260	2.5				
1605	36	1.5				
1606	54	1.8				
1607	116	1.4				
1608	36	0.5				
1609	56	0.5				
1610	28	0.2				
1611	88	0.3				
1612	50	0.7				
1613	53	1.1				
1614	87	0.8				
1615	114	4.1				
1616	45	1.0				
1617	95	2.0				
1618	133	1.0				
1619	103	2.1				
1620	89	1.3				
1622	109	1.8				
1623	108	1.5				
1624	125	1.7				
1625	110	2.0				
1626	31	0.4				
527	30	0.2				
528	26	0.2				
529	20	0.2				
530	20	0.2				
531	23	0.2				

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Geochemical Lab Report

Report No. 26- 914

SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1632	26	0.2	
1633	18	0.2	
1634	15	0.2	
1635	23	0.2	
1636	21	0.2	
1637	19	0.2	
1638	550	2.7	
1235 Rocks	17500	16.	
1236	>20000	40.	
1621	2800	5.4	
			* background corrected
			** detection limit on a small sample

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Geochemical Lab Report

Extraction: Te; HBr-Br+MIBK
Ag,Pb; Hot Aqua Regia Bi; Hot HNO_3
Au; Fire Assay & Hot Aqua Regia
Sb; X.R.F.

Method: Au,Ag,Pb,Te,Bi; Atomic Absorption

Fraction Used:

Report No. 26 - 942

From: Anglo American Corp.

Date: September 14 19 76

SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1169 A	1200	3.6	
1169 B	615	2.2	
1170	255	3.0	
1171	1500	4.8	
1172	179	3.1	
1173	290	5.7	
1174	390	3.6	
1175	52	2.1	
1201	23	0.4	
1202	41	0.7	
1203	30	0.5	
1204	65	5.6	
1205	34	1.1	
1206	165	2.1	
1207	120	1.1	
1208	66	0.5	
1209	76	1.5	
1210	26	3.1	
1211	40	5.4	
1212	50	3.4	
1213	30	0.9	
1214	66	1.0	
1215	58	1.1	
1216	64	1.4	
1217	23	1.0	
218	40	0.7	
219	25	0.3	
220	37	0.3	
221	21	0.2	
222	42	0.6	

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Geochemical Lab Report

Report No. 26 - 942

Page No. 2

SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1223	27	0.7	
1224	25	0.2	
1225	30	0.2	
1226	18	0.2	
1227	18	0.2	
1228	31	0.6	
1229	96	0.7	
1230	170	2.4	
1231	30	0.3	
1232	100	0.4	
1233	36	1.1	
1239	260	5.3	
1241	860	8.3	
1242	58	2.1	
1276	90	2.5	
1277	48	0.8	
1313	24	1.1	
1314	45	1.7	
1315	71	1.7	
1316A	25	0.3	
1316B	22	0.2	
1317	46	0.9	
1318	44	0.2	
1320	26	0.2	
1321	44	0.3	
1323	30	1.0	
1324	27	0.4	
1325	240	1.3	
1326	1150	12.	
1327	188	2.4	
1328	66	0.5	
1329	38	0.9	
1330	59	0.9	
1331	65	2.1	
1333	39	0.8	

Geochemical Lab Report

Report No. 26 - 942

SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1334	22	1.0	
1335	24	0.6	
1336	70	1.3	
1337	96	1.7	
1338	66	0.8	
1339	53	1.0	
1340	60	1.5	
1341	120	1.8	
1342	45	0.6	
1343	58	0.9	
1344	28	0.2	
1345	48	0.4	
1346	34	0.2	
1347	35	0.3	
1348	46	0.3	
1349	53	0.4	
1350	30	0.2	
1427	32	0.4	
1453	26	1.0	
1454	27	0.2	
1456	23	0.2	
1457	24	0.2	
1459	20	0.4	
1465	76	2.6	
1466	79	1.0	
1475	76	2.6	
1477	170	1.2	
1478A	157	3.2	
1478B	166	2.9	
1479	53	4.7	
1480	26	0.2	
1481	60	2.0	
1482	82	2.8	
1483	117	1.6	
1484	68	1.6	

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 26 - 942

SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1485	250	4.8	
1486	51	1.2	
1487	38	0.4	
1488	83	0.8	
1489	95	2.3	
1490	58	1.4	
1491	30	1.2	
1492	64	4.1	
1493	39	2.2	
1494	51	0.8	
1495	39	1.6	
1496	42	1.1	
1497	58	0.7	
1498	121	4.3	
1499	32	3.2	
1500	44	3.4	
1234 Rocks	30	0.4	
1237	970	2.0	
1238	>20000	32.	
1240	>20000	230.	
1319	98	0.8	
1322	17	0.2	
1332	20	0.5	

*background corrected

cc Mr. J. McKinney

BONDAR-CLEGG & COMPANY LTD.
1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

Geochemical Lab Report

Extraction: Te; HBr-Br+MIBK
Au; Fire Assay & Hot Aqua Regia
Pb,Ag; Hot Aqua Regia Bi; Hot HNO_3

Report No. 26 - 966

Method: Pb,Ag,Au,Bi,Te; Atomic Absorption

From: Anglo American Corp.

Fraction Used:

Date: September 15 1976

SAMPLE NO.	Pb ppm	Ag* ppm
1243	-	-
1394	55	0.5
1426	32	0.2
1428	26	0.2
1429	40	0.2
1430	100	1.6
1431	173	1.5
1432	70	1.4
1433	54	0.2
1434	50	0.7
1435	56	1.2
1436	36	0.6
1437	16	0.2
1438	22	0.2
1439	70	0.9
1440	25	0.2
1441	85	1.1
1442	44	0.4
1443	220	2.9
1444	100	0.2
1445	142	0.6
1446	2200	20.
1447	177	7.1
1448	80	3.6
1449	61	2.1
1450	46	1.1
1451	22	0.2
1452	30	0.6
1455	17	0.2
1458	21	0.2

		REMARKS

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 26 - 966 Page No. 2

SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1460	18	0.2	
1461	16	0.2	
1462	18	0.2	
1463	22	0.6	
1464	45	1.0	
1467	45	0.2	
1468	50	1.2	
1469	82	3.6	
1470	150	1.6	
1471	46	3.0	
1472	158	3.0	
1473	110	1.0	
1474	220	9.6	
1476	130	3.5	

* background corrected

cc Dawson City

BONDAR-CLEGG & COMPANY LTD.

1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

Geochemical Lab Report

Extraction: Te; HBr-Br+MIBK
Bi; Hot HNO_3
Au; Fire Assay & Hot Aqua Regia
Pb,Ag; Hot Aqua Regia

Report No. 26 - 1118

Method: Pb,Ag,Au,Bi,Te; Atomic Absorption

From: Anglo American Corp.

Fraction Used:

Date: October 7 1976

SAMPLE NO.	Pb ppm	Ag ppm					REMARKS
1244	5800	50.					
							* background corrected

BONDAR-CLEGG & COMPANY LTD.
1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

Geochemical Lab Report

Te; HBr-Br+M1BK
Bi; Hot HNO_3
Pb,Ag; Hot Aqua Regia

Extraction Au; Fire Assay & Hot Aqua Regia
Bi,Te; Atomic Absorption

Method Au,Pb,Ag; Atomic Absorption

Fraction Used

Report No. 26 - 1109

From Anglo-American

Date October 8 19 76

SAMPLE NO.	Pb ppm	Ag* ppm			REMARKS
1701	38	1.4			
1702	46	0.3			
1703	93	1.0			
1704	56	0.3			
1705	275	1.2			
1706	169	2.0			
1707	73	1.7			
1708	370	2.6			
1709	250	2.3			
1710	480	3.7			
1711	177	2.7			
1712	65	0.7			
1713	114	4.0			
1715	75	0.8			
1716	860	3.9			
1717	450	4.0			
1718	47	1.2			
1719	2250	22.			
1720	2400	14.			
1721	74	4.2			
1722	49	0.9			
1723	75	0.2			
1724	43	0.2			
1726	21	0.2			
1727	31	2.2			
1728	61	0.3			
1730	22	0.2			
1731	20	0.2			
1732	90	2.8			
1733	64	0.8			

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 26 - 1109

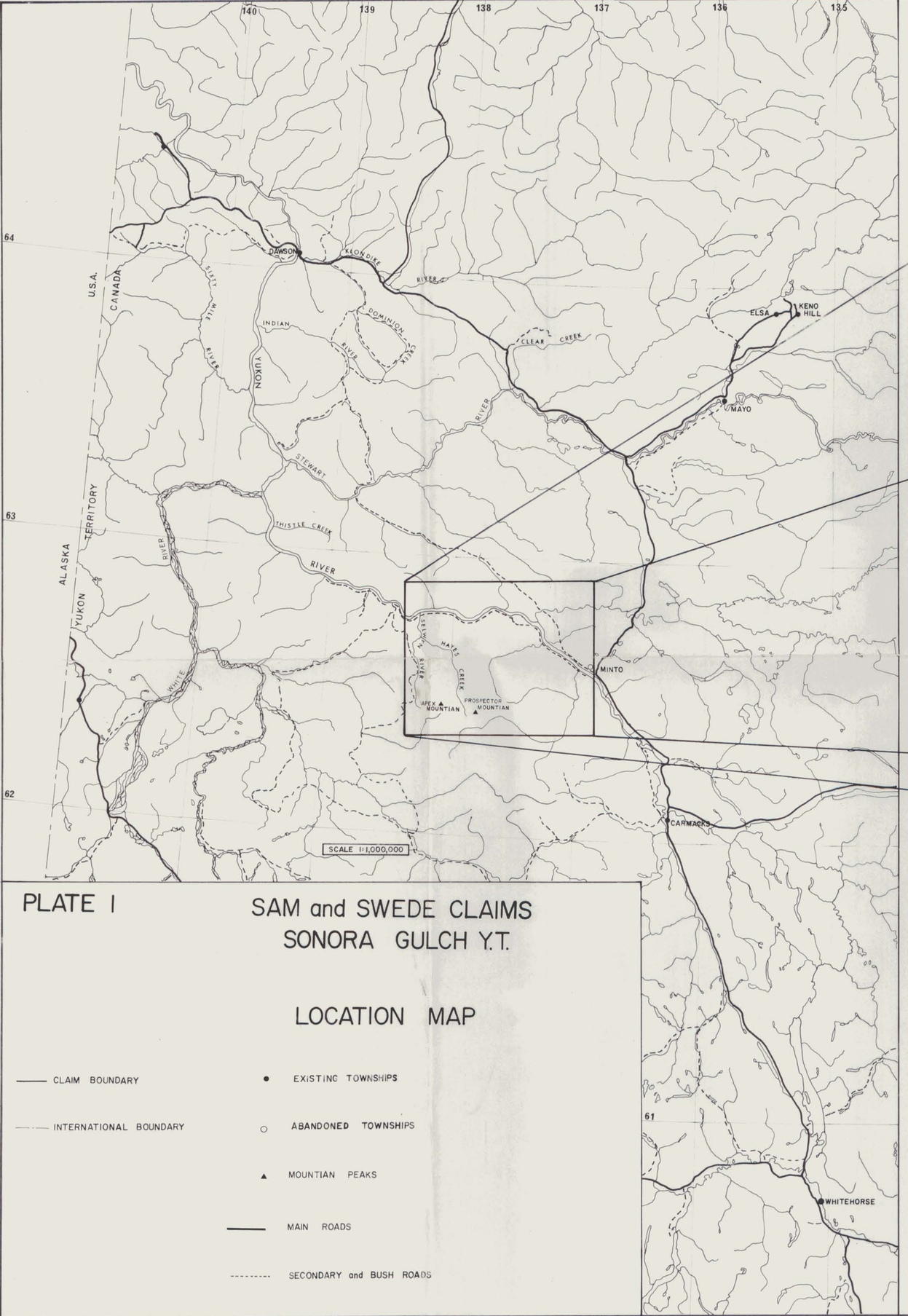
SAMPLE NO.	Pb ppm	Ag* ppm	REMARKS
1734	50	0.8	
1735	70	0.6	
1736	74	0.6	
1737	38	0.6	
1738	56	0.7	
1739	40	1.0	
1740	41	0.7	
1741	22	0.2	
1742	55	4.0	
1743	39	0.3	
1744	26	0.7	
1745	54	0.2	
1746	53	0.3	
1747	38	0.4	
1748	45	1.2	
1749	52	0.6	
1750	29	0.2	
1714 Rocks	35	0.2	
1725	3900	17.	
1729	285	3.2	

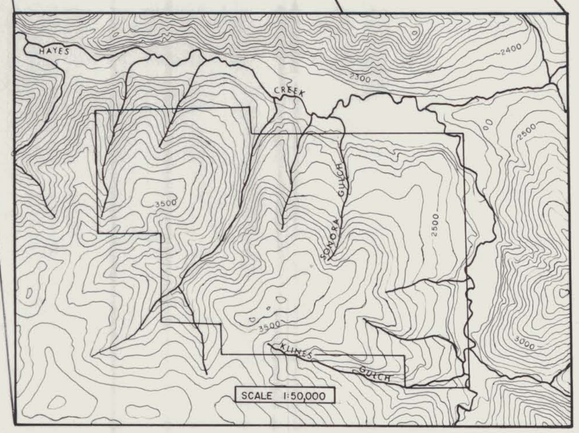
* background corrected

PLATE I

SAM and SWEDE CLAIMS
SONORA GULCH Y.T.

LOCATION MAP





- CLAIM BOUNDARY
- INTERNATIONAL BOUNDARY
- EXISTING TOWNSHIPS
- ABANDONED TOWNSHIPS
- MOUNTIAN PEAKS
- MAIN ROADS
- SECONDARY and BUSH ROADS

PLATE 2

SAM CLAIMS

HAYES CREEK & SONORA GULCH, YUKON TERRITORY, 115-J-9, 115-I-12

SCALE = 1:10,000

CLAIM GROUP MAP SHOWING AREAS WORKED

BY

ANGLO AMERICAN CORP. OF CANADA EXPLORATION LTD. in 1976

Miles 1 0 1

Metres 1000 0 1000

T.N. 31°09.4' MN 1975 -3.6 p.a.

●14501-14518 = STREAM SAMPLES COLLECTED JULY 3-8, 1976. RESULTS APPENDIX A

GEOCHEMICAL SOIL SAMPLE TRAVERSE, AUG.6-OCT. 11, 1976. RESULTS PLATE 3.

SAM CLAIMS 1-86 = YA 3869-3954, SAM 87-98 APPLIED FOR.

SWEDE CLAIMS 1-6 = YA 3779-3784

CLAIM NUMBERS IN BOLDFACE ARE SURVEYED BY CHAIN & COMPASS. CLAIM NUMBERS IN ITALICS ARE NOT YET SURVEYED.

CLAIM GROUPS

GROUP 1 - PINK
GROUP 2 - GREEN
GROUP 3 - ORANGE
GROUP 4 - BLUE
GROUP 5 - BROWN
GROUP 6 - YELLOW

Sonora Gulch

Hayes

SWEDE 5 YA 3793

SWEDE 6 YA 3784

SAM 41 YA 3909

SAM 42 YA 3910

SAM 43 YA 3911

SAM 44 YA 3912

SAM 89

SAM 90

SAM 93

SAM 94

SAM 23 YA 3891

SAM 24 YA 3892

SAM 25 YA 3893

SAM 26 YA 3894

SAM 27 YA 3895

SAM 28 YA 3896

SAM 91

SAM 92

SAM 95

SAM 96

SAM 98

SAM 97

SAM 29 YA 3897

SAM 30 YA 3898

T. N.

31°09.4'

M N

1975
-3.6 p.a.

PLATE 3

SAM CLAIMS

HAYES CREEK & SONORA GULCH, YUKON TERRITORY, 115-J-9, 115-I-12

SCALE = 1 : 2000

PLAN SHOWING
THE
RESULTS
OF
GEOCHEMICAL SAMPLING PROGRAMME

ANGLO AMERICAN CORP. OF CANADA EXPLORATION LTD.
1976

1006-173/0.6
Sample Site & No.- Pb(ppm) // Ag (ppm)

CLAIM POST & BOUNDARY

SAM CLAIMS

HAYES CREEK & SONORA GULCH, YUKON TERRITORY, 115-J-9, 115-I-12

SCALE = 1:10,000

GEOLOGICAL MAP

BY

ANGLO AMERICAN CORP. OF CANADA EXPLORATION LTD. in 1976

Miles 1 0 1

4 RECENT STREAM DEPOSIT

3 OLDER STREAM DEPOSIT (BENCH)

2 QUARTZ MONZONITE, QUARTZ LATITE

1 SCHIST, QUARTZITE (YUKON GROUP)

FAULT and DIP

LINEAMENT

DYKE or SHEAR ZONE

ROCK CONTACT

MAP BASED ON AERIAL PHOTO INTERPRETATION, PARTIALLY FIELD CHECKED

PLANE OF SCHISTOSITY and DIP

AXIS OF SCHISTOSITY FOLD

Gulch

Sonora

Hayes