SAMPLING AND METALLURGICAL REPORT

on the

MOUNT SIDNEY WILLIAMS PROPERTY

Omineca Mining Division

N.T.S. 93-K-14W

Lat.: 54° 54' N Long.: 125° 24'W

by

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November, 1997

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1.0 INTRODUCTION

From June 17 to August 18, 1997 a program of sampling and metallurgical work was performed on the Mount Sidney Williams property. The purpose of the program was to determine whether the Mount Sidney Williams property has the potential to host an awaruite and/or nickel deposit and to determine whether it is economically feasible to extract the awaruite and/or nickel.

From June 17 to July 17, 1997, 262 rock samples, 32 silt samples and 1 heavy mineral sample were collected by five men. Two hundred sixty-two rock samples, 32 silt samples and 1 heavy mineral sample were analysed for 34 elements by ICP. A total of 295 samples were analysed for Au by AA.

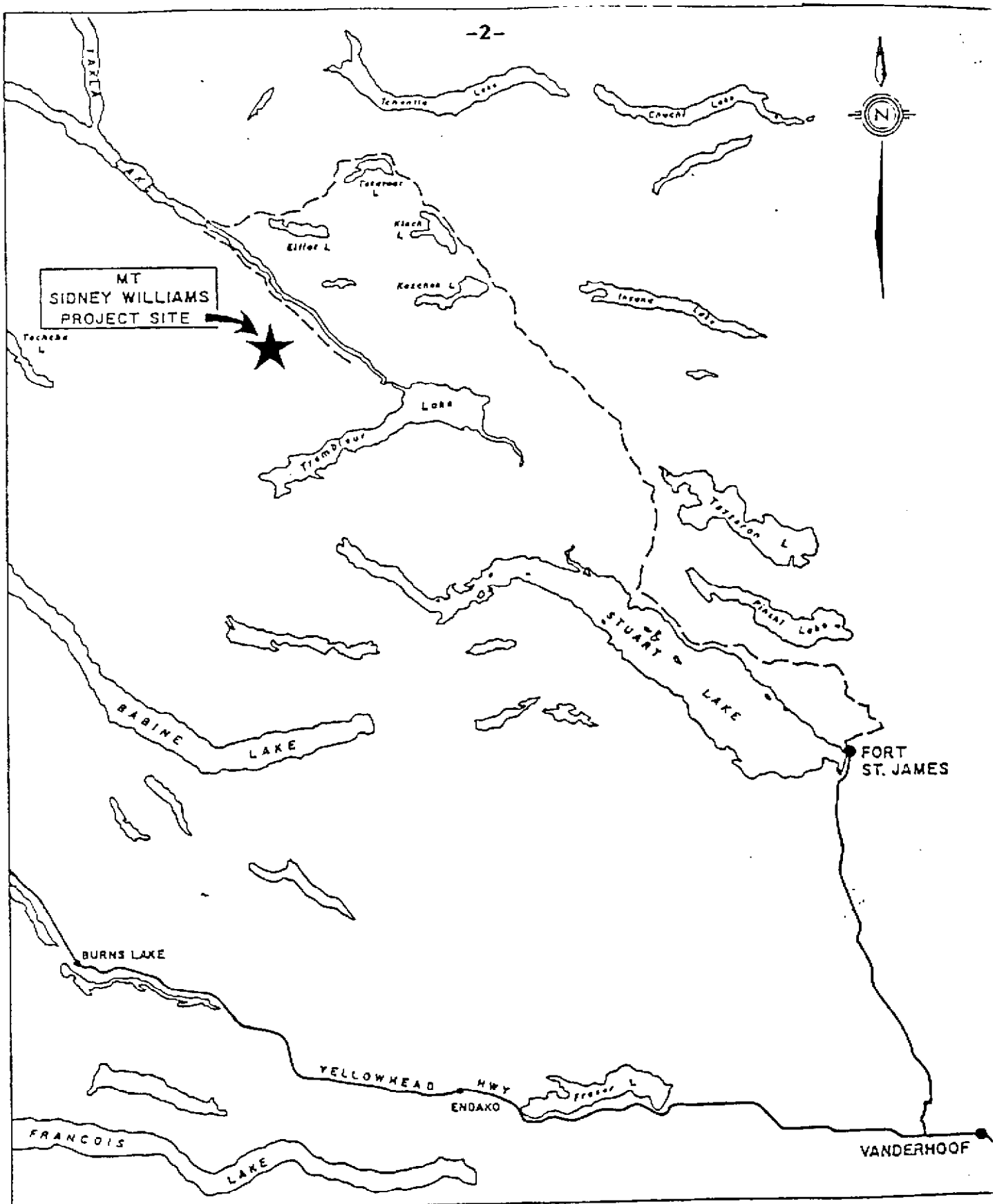
In addition, drill hole 94-10 which had not been split and analysed except for 2 small intervals was split. Samples were collected from 3 meter intervals regardless of alteration or lithology. Twenty-four samples were analysed for 34 elements by ICP and Au by AA.

Metallurgical tests were conducted on two samples. The tests included magnetic separation, gravity separation and sulphuric acid leach tests. A limited amount of SEM and petrographic work was also done.

2.0 LOCATION AND ACCESS

The Mount Sidney Williams property lies 87 km northwest of the town of Fort St. James and is located at co-ordinates 54° 54'N/125° 24'W on map sheet 93-K-14W.

Access to the property is at present by helicopter.



PROJECT LOCATION MAP

FIGURE 1

3.0 CLAIM DATA

The Mount Sidney Williams property consists of the following claims:

Claim Name	Record Number	Number of Units
Mid	239356	20
Van 1	239375	20
Van 2	239376	20
Klone 1	239554	9
Klone 3	239820	20
Klone 4	239821	20
Klone 5	239822	20
Klone 6	239823	20
Klone 7	239824	20
Klone 8	239825	20
One-Eye 1	239772	18
Terannoursus	240074	3
Money	242327	4

There are a total of 214 units. The property is 100% owned by U. Mowat.

4.0 HISTORY

The first known geologic record of the Mount Sidney Williams area was made in 1937 following a brief reconnaissance of the Fort St. James area by J. E. Armstrong of the Geologic Survey of Canada. In 1942, nine chromite deposits were located in the Middle River Range by the G.S.C., plus several asbestos showings of varying quality in the area of Mount Sidney Williams.

Prospectors working the region reported gold values in carbonate-quartz-mariposite and carbonate-talc rocks in shear zones in altered Trembleur Intrusions. One sample of carbonate-quartz-mariposite rock high in quartz (70%) taken on Baptiste Creek returned values of 0.036 oz/t Au and 0.07 oz/t Ag.

During the late 1930's, a small placer operation was located on Van Decar Creek for a brief period. The operation was located below serpentinized peridotite and nuggets valued at $0.50 to $2.00 (1935 prices) were found.

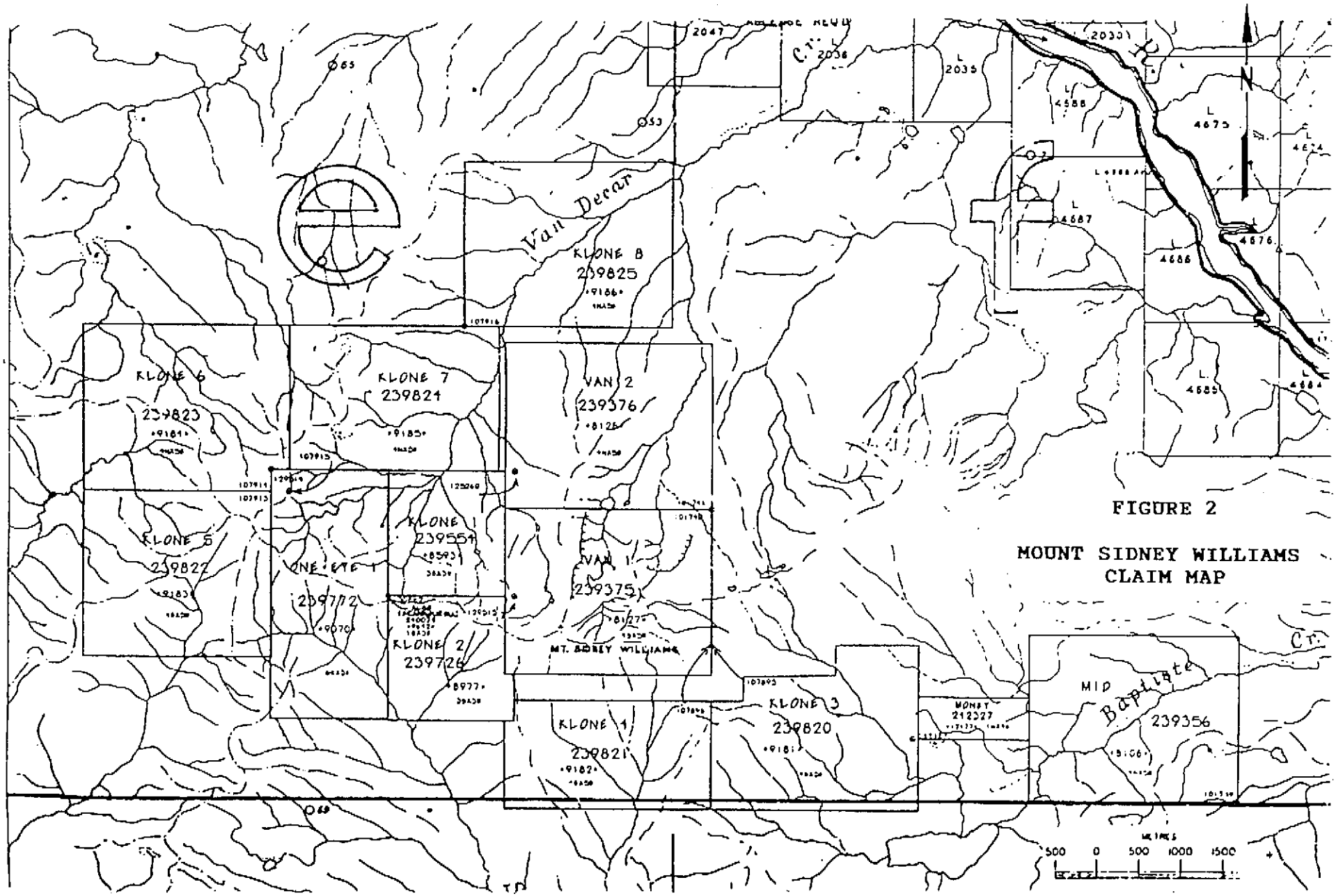


FIGURE 2

MOUNT SIDNEY WILLIAMS
CLAIM MAP

Old flagging and numerous camp sites would indicate that Mount Sidney Williams has been examined in the past for its chrome, nickel and asbestos potential. No mention is made of any exploration, however, until 1962 (MMAR) when the main asbestos showing is described. Blasting caps found at this location indicate an attempt to trench the showing.

Since 1975, various groups have examined the Mount Sidney Williams area for chrome, platinum and gold.

The following work has been performed on the Mount Sidney Williams property:

1) Silt sampling - 193 samples including 10 heavy mineral samples
2) Rock sampling - 1396 samples
3) Flagged grid - 105,790 meters
4) Soil sampling - 3275 samples
5) Trenching - 52 meters
6) Magnetometer/VLF EM survey - 26,150 meters
7) IP survey - 11,450 meters
8) Drilling - 22 holes totalling 1541.4 meters

5.0 REGIONAL GEOLOGY

The area of Mount Sidney Williams is underlain by a 15 km wide belt of northwesterly-trending Pennsylvanian and Permian Cache Creek Group rocks consisting of ribbon chert, argillaceous quartzite, argillite, slate, greenstone, limestone with minor conglomerate and greywacke. The Cache Creek Group has been intruded by Upper Jurassic or Lower Cretaceous Omineca Intrusions consisting of granodiorite, quartz diorite, diorite with minor granite, syenite, gabbro and pyroxenite. As well, Post-Middle Permian, Pre-Upper Triassic Trembleur Intrusions consisting of peridotite, dunite, minor pyroxenite and gabbro with serpentinized and steatized equivalents intrude the Cache Creek Belt.

The northwesterly-trending belt of Cache Creek rocks is bordered on the east by the Pinchi Fault and Upper Triassic Takla Group andesites, basaltic flows, tuffs, breccias and agglomerates with interbedded conglomerate, shale greywacke and limestone. On the west, the belt is bounded by the Takla Fault, an east-dipping zone, up to 5 km wide, which

contains a melange of serpentine and greenstone. The melange is adjacent to Triassic metamorphosed pyroclastic rocks, basalt, rhyolite, greywacke and argillite of the Sitlika assemblage.

Between the Pinchi Fault and the Takla Fault, the predominant units of the Cache Creek Group of chert, phyllite, and argillite with minor greywacke and limestone are highly deformed. Three deformational periods have been recognized in the Cache Creek Group which has been metamorphosed to lower greenschist facies with local glaucophane. The oldest structures are a prominent foliation that parallels compositional layering and trends east-west, marking the axial planes of isoclinal folds. A later structure consists of chevron folds which trend north-south with axial planes dipping moderately westwards. The youngest structures are warps and kinks, probably related to late faulting.

6.0 PROPERTY GEOLOGY

The Mount Sidney Williams property is divided into two separate geological domains by Van Decar Creek, a fault zone with a postulated 1000 meter horizontal displacement. On the west side of Van Decar Creek, the rock types dominantly consist of argillite and andesitic volcanics of the Cache Creek Group. A minor amount of ultramafic rocks have been noted. The Cache Creek Group rocks have been intruded by felsic dykes and recent volcanics of basaltic and dacitic nature.

Reconnaissance prospecting indicates that the andesitic volcanics are, at least in part, thrust over the argillites. In the vicinity of the thrusts, the argillites have been serpentinized or silicified.

On the east side of Van Decar Creek, the dominant rock type is harzburgite with lesser amounts of dunite, nodular harzburgite and altered equivalents of the Trembleur ultrmafic massif. Norite and what appears to be a very young, glassy, vuggy volcanic intrude the ultramafic.

The 1994 drilling revealed an extensive package of volcaniclastics, with minor limestone, chert and siltstone which have been thrust over the ultramafic. Folding appears to have affected both the

volcaniclastics, the ultramafic and possibly the West Zone listwanite. It would appear that the fold is oriented east-west. A minor amount of argillite and black basalt have been seen on the east side of Van Decar Creek.

7.0 MINERALIZATION

The previous exploration work has been focused on the mineralization within the listwanite zones. Acicular arsenopyrite and pyrite are found within the listwanite and the intensely altered phases of norite intrusives. Gold values occur with the arsenopyrite. The mineralization within the listwanites has been discussed in previous assessment reports.

Other sulphide minerals noted to date include minor chalcopyrite within the norite, basalt and volcaniclastics and stibnite which occurs in quartz veinlets and occasionally within the listwanites.

The present exploration work on the Mount Sidney Williams property is focused on nickel-cobalt mineralization, gold and chromite. The nickel occurs as awaruite, heazlewoodite, bravoite and minor pentlandite. The nickel-cobalt mineralization is generally very fine grained but has been noted to reach 5 mm in diameter in drill core. The mineralization appears to be uniformly disseminated throughout the massif and shows no preferred lithological affinity. Nickel values have also been obtained from the listwanites and also from siltstone intersected in drill hole WZ 94-3.

The gold values, excluding those found in the listwanites and altered norites, does not appear to be associated with the nickel mineralization but rather occurs in an erratic manner. There is no recognizable alteration to indicate the presence of the gold.

Chromite is ubiquitous although low grade. High grade pods of 10 to 20% are found in various locations on the Mount Sidney Williams property.

8.0 ALTERATION

The most visible alteration on the Mount Sidney Williams property consists of the red-orange weathering listwanites which are composed of ferro-dolomite with lesser amounts of quartz, mariposite, talc and serpentine. The listwanite alteration has been discussed in previous assessment reports.

There is no visible alteration associated with either the nickel-cobalt mineralization or the sporadic and invisible gold values found in the ultramafic rocks. The nickel mineralization (awaruite, heazlewoodite) being native or low in sulphur does not produce any limonite staining.

Analyses of drill core and previous rock sampling indicates that certain alteration is detrimental to nickel-cobalt values. Pervasive talc alteration of the ultramafic usually results in substantially lower nickel-cobalt values whereas the carbonate alteration or listwanite is less harmful. Serpentinization does not appear to affect the nickel-cobalt values.

9.0 SAMPLING

Two hundred sixty-two rock samples were collected from a loosely based grid of dominantly a 100 meter separation or in some cases whereever outcrop was present or a drastic lithological change occurred. All rock samples are 1 meter chip samples.

Thirty-two silt samples were collected from several creeks. The samples were collected every 200 meters and sieved on site to a finer size fraction using an ordinary screen door mesh.

One hundred eighty-two rock samples, 32 silt samples and 1 heavy mineral sample were analysed for 34 elements by ICP. In addition, 123 rock samples, 32 silt samples and 1 heavy mineral sample were analysed for Au by AA.

Twenty-four samples of drill core from 94-10 were also analysed for 34 elements by ICP and Au by AA. The samples were collected from 3 meter intervals regardless of alteration or lithology.

10.0 SAMPLE DESCRIPTIONS

Sample Number	Sample Description	Ni ppm
11701	94-10: 7 - 20'; (2.14 - 6.1m)	1526
11702	94-10: 20 - 30'; (6.1 - 9.15m)	1477
11703	94-10: 30 - 40'; (9.15 - 12.2m)	1428
11704	94-10: 40 - 50'; (12.2 - 15.25m)	1452
11705	94-10: 50 - 60'; (15.25 - 18.3m)	1397
11706	94-10: 60 - 70'; (18.3 - 21.35m)	1474
11707	94-10: 70 - 80'; (21.35 - 24.4m)	1488
11708	94-10: 80 - 90'; (24.4 - 27.45m)	1688
11709	94-10: 90 - 100'; (27.45 - 30.5m)	1547
11710	94-10: 100 - 110'; (30.5 - 33.55m)	1463
11711	94-10: 110 - 120'; (33.55 - 36.6m)	1390
11712	94-10: 120 - 130'; (36.6 - 39.65m)	1519
11713	94-10: 130 - 140'; (39.65 - 42.7m)	1605
11714	94-10: 140 - 150'; (42.7 - 45.75m)	1625
11715	94-10: 150 - 160'; (45.74 - 48.8m)	1679
11716	94-10: 160 - 170'; (48.8 - 51.85m)	1583
11717	94-10: 170 - 180'; (51.85 - 54.9m)	1620
11718	94-10: 180 - 190'; (54.9 - 57.95m)	1731
11719	94-10: 190 - 200'; (57.95 - 61.0m)	1466
11720	94-10: 200 - 210'; (61.0 - 64.05m)	1562
11721	94-10: 210 - 220'; (64.05 - 67.1m)	1511
11722	94-10: 220 - 230'; (67.1 - 70.15m)	1438
11723	94-10: 230 - 240'; (70.15 - 73.2m)	1667
11724	94-10: 240 - 250'; (73.2 - 76.25m)	1309

Sample Number	Sample Description	Ni ppm
11725	mod-weak serp'd black dense pdt; weakly magnetic; tr. vfg diss'd awaruite	1549
11726	black very alt'd (serp'd) hz with brownish patches of pyx remnants; mod. magnetic; tr vfg diss'd awaruite	1862
11727	buff carbonate list; dense; numerous quartz stringers tr. mariposite; tr white silvery metallic - asp? awaruite?	1166
11728	hz? pdt? fairly fresh looking; fresh surface appears to be pdt but weathered surface has orangey spots; black dense f.g. textureless; weak to non-magnetic; tr vfg diss'd awaruite	1791
11729	hz, fairly fresh looking with black matrix and white talcose pyx phenos 1 cm av; weak to non-magnetic; tr vfg diss'd awaruite	1679
11730	dark grey serp'd hz with 1 cm pale green pyx phenos	1667
11731	qtz-carb list, whitish to buff with bright green mariposite-rich angular patches (after pyx phenos?) cut by myriads of qtz stringers with vfg asp; minor black angular patches of unreplaced pyx?	1117
11732	dark green highly serp'd hz; very sheared; pyx phenos as reddish brown patches; strongly magnetic; tr vfg diss'd awaruite	1618
11733	black dense strongly serp'd and sheared hz with very vague brownish pyx phenos; mod magnetic; tr vfg diss'd awaruite	1619
11734	extremely serp'd hz; black, dense; vague brownish pyx phenos; very weak to non-magnetic; no visible awaruite	1609
11735	strongly serp'd hz; black matrix with vague whitish pyx remnants; weakly magnetic; 0.5% diss'd vfg awaruite	1417
11736	rusty weathering black dense pdt with minor serp on fractures; mod magnetic; tr vfg diss'd awaruite	1700
11737	dark grey mod serp'd dunite; strongly magnetic; tr vfg diss'd awaruite	1647
11738	rusty weathering, strongly serp'd hz; near the contact with a norite dyke; med greenish grey matrix with ragged black and white patches of pyx phenos; weak to non-magnetic; tr vfg diss'd awaruite	1561
11739	yellow brown weathering late stage dunite; dark grey on fresh surface; weak to non-magnetic; tr vfg diss'd awaruite	2128
11740	lt pink to lt greenish grey weathering dunite; black on fresh surface; strongly magnetic; 0.5% vfg diss'd awaruite	1826
11741	lt grey to lt pinkish weathering dunite; dark greenish black on fresh surface; serp'd; strongly magnetic; 0.5% vfg diss'd awaruite	1621

Sample Number	Sample Description	Ni ppm
11742	black dense pdt with strong antigorite veining; strongly magnetic; 0.5 - 1.0% diss'd vfg awaruite	1638
11743	dark green highly serp'd, high shattered chromite?-rich pdt; weak to non-magnetic; tr diss'd vfg awaruite	1446
11744	black highly serp'd chromite-rich pdt; black matrix with vague irreg white ragged pyx phenos; strongly magnetic; 1% awaruite, diss'd and on fractures	1615
11745	yellow green weathering strongly serp'd pdt; black on fresh surface; mod to strongly magnetic; tr to 0.5% vfg diss'd awaruite	1619
11746	black extremely serp'd hz with occasional vague white pyx pheno remnant; highly sheared; mod to strongly magnetic; tr vfg diss'd awaruite	1781
11747	pale grey with orange patches on weathered surface; black highly serp'd pdt; moderately magnetic; tr vfg diss'd awaruite	1647
11748	orange weathering black dense pdt; weak-mod magnetic; tr vfg diss'd awaruite	1639
11749	highly serp'd hz; lt grey with rusty pyx phenos on on weathered surface; med greenish grey with dark patches of alt'd pyx (mag, serp); mod magnetic; tr vfg diss'd awaruite	1517
11750	c.g. orange rusty hz; dark grey highly serp'd hz on fresh surface with only vague brownish pyx phenos visible; very weakly magnetic; no visible awaruite	1558
11751	dark greenish black intensely serp'd hz with vague pyx phenos; intensely bx'd; very strongly magnetic; 0.5% vfg diss'd awaruite	1024
11752	black highly serp'd hz; pale green weathering; vague pyx phenos visible; mod magnetic; 0.5% vfg diss'd awaruite; moderately bx'd	1539
11753	intensely sheared and intensely serp'd hz with whitish green pyx phenos; weak to mod magnetic; tr vfg diss'd awaruite	1522
11754	bx'd and intensely serp'd hz; black; mod magnetic no visible awaruite	1515
11755	dark greenish black highly serp'd hz with vague pale green pyx phenos; highly sheared, platy; augen texture; mod magnetic; tr awaruite	1586
11756	pinkish buff, pale green weathering pdt; dark grey on fresh surface with occasional vague pale green pyx pheno; minor asb veining; mod magnetic; no visible awaruite	1527
11757	orange-red c.g. hz; dark greenish black on fresh surface; dense, textureless; mod magnetic; no visible awaruite	1585

Sample Number	Sample Description	Ni ppm
11758	orange-red c.g. hz; dark grey dense relatively fresh looking pdt on fresh surface; strongly magnetic; tr vfg diss'd awaruite	1600
11759	dark green black highly serp'd and bx'd pdt with only vague pale green pyx phenos visible; mod magnetic; no visible awaruite	1521
11760	slightly rusty weathering dark grey serp'd hz with vague pyx phenos; highly sheared; mod magnetic; no visible awaruite	1533
11761	black highly serp'd hz with vague pale green pyx phenos; strongly magnetic; tr vfg diss'd awaruite	1562
11762	dark grey highly serp'd and highly sheared hz; pyx phenos vague; non magnetic; no visible awaruite	1477
11763	buff weathering dark grey strongly serp'd hz; pyx phenos only as irregular reddish brown cores with mag; weakly magnetic; no visible awaruite	1463
11764	orange weathering carb list with bright mariposite green patches; cut by myriads of white qtz stringers; no visible sulphides or awaruite	819
11765	black dense mod-weakly serp'd pdt with some relict pyx texture; strongly magnetic; no visible awaruite	1406
11766	c.g. porphyritic hz; black matrix with orange nodules or pyx phenos?; intensely alt'd by serp and minor carb; strongly magnetic; no visible awaruite	1684
11767	foliated black serp'd dun; strongly magnetic; 0.5% vfg diss'd awaruite	1425
11768	dark greenish black serp'd pdt; relatively fresh looking; strongly magnetic; 0.5% vfg diss'd awaruite	1346
11769	dark greenish black intensely serp'd pdt; strongly magnetic; 0.5% vfg diss'd awaruite	1402
11770	dark green to black intensely serp'd nodular hz; pyx phenos black to pale greenish; strongly magnetic; tr vfg diss'd awaruite	1440
11771	dark grey dense relatively fresh looking pdt; strongly magnetic; tr vfg diss'd awaruite	1683
11772	black nodular hz; intensely sheared; non-magnetic; 0.5% vfg diss'd awaruite	1737
11773	dark greyish green intensely serp'd hz; strongly magnetic; tr vfg diss'd awaruite	1617
11774	dark grey altered (serp'd) hz; textureless; sheared; strongly magnetic; tr vfg diss'd awaruite	1486
11775	dark blackish green highly serp'd and bx'd hz; strongly magnetic; 0.5% vfg diss'd awaruite	1496
11776	pale yellow green weathering gritty hz; very olivine rich; intensely serp'd; strongly magnetic; no visible awaruite	1379

Sample Number	Sample Description	Ni ppm
11777	black intensely serp'd c.g. hz with vague relict pyx phenos; strongly magnetic; tr vfg diss'd awaruite	1398
11778	dark grey mod serp'd hz with pale green pyx phenos; strongly magnetic; tr vfg diss'd awaruite	1221
11779	greyish green weathering highly serp'd hz; black on fresh surface; 1 cm long greyish green pyx phenos; non to weakly magnetic; no visible awaruite	1464
11780	buff weathering hz with green serp on fractures; dark grey on fresh surface; mod magnetic; tr vfg diss'd awaruite	1752
11781	dark olive green intensely serp'd hz with remnant orange pyx phenos; strongly magnetic; no visible awaruite	1699
11782	dark grey mod serp'd pdt with occasional pyx pheno; strongly magnetic; 1% diss'd vfg awaruite	1497
11783	dark grey dense relatively fresh-looking pdt; intense green serp on fractures; mod magnetic; tr vfg diss'd awaruite	1670
11784	dark grey fresh-looking norite with 50% white f.g. feld and 50% bl opx; rust on fractures; non-magnetic; no visible sulphides	29
11785	dark grey porphyritic hz with 0.5 - 1 cm long pyx phenos; serpentine on fractures; strongly magnetic; 1% diss'd vfg awaruite	1401
11786	dark grey fresh-looking norite; 40% feld, 60* opx; non-magnetic; no visible sulphides	32
11787	dark green intensely serp'd hz with brown and white relict pyx phenos; at contact with norite; strongly magnetic; 0.5% vfg diss'd awaruite	1533
11788	dark greenish black moderately serp'd pdt; dense; mod magnetic; tr vfg diss'd awaruite	1642
11789	slightly rusty, highly serp'd black hz with orange weathering and c.g. lcm long pyx phenos; non-magnetic; no visible awaruite	1667
11790	brown weathering c.g. hz; fresh surface dark grey relatively fresh-looking with pale greyish green pyx phenos; non-magnetic; tr vfg diss'd awaruite	1542
11791	slightly rusty porphyritic hz with blackish green matrix and 1 cm long pyx phenos; strongly magnetic; tr vfg diss'd awaruite	1382
11792	yellow weathering f.g. dense late stage dunite; fresh surface dark greenish black; non-magnetic; no visible awaruite	1836
11793	yellow weathering c.g. hz; fresh surface black with brownish pyx phenos; tr extremely fine diss'd awaruite	1567
11794	black dense c.g. porphyritic hz; strongly magnetic; tr vfg diss'd awaruite	1271
11795	greenish black hz with c.g. pale green serp'd pyx phenos; strongly magnetic; tr vfg diss'd awaruite; in contact with norite	1380

Sample Number	Sample Description	Ni ppm
11796	dark grey strongly serp'd and intensely bx' c.g. hz; strongly magnetic; no visible awaruite	1425
11797	dark grey mod serp'd hz with pale green pyx phenos; strongly magnetic; tr vfg diss'd awaruite	1376
11798	dark grey mod serp'd hz with pale green serp'd c.g. pyx phenos; strongly magnetic; 0.5% vfg diss'd awaruite	1359
11799	rusty weathering warty, fresh-looking hz; strongly magnetic; tr vfg diss'd awaruite	1338
11800	dark blackish green intensely serp'd pdt with green serp on fractures; very strongly magnetic; tr vfg diss'd awaruite	1292
11801	grey green relatively fresh-looking hz with c.g. pale green pyx phenos; very strongly magnetic; tr vfg diss'D awaruite and tr pale yellow sulphide	1459
11802	grey green relatively fresh-looking c.g. porphyritic hz with minor pale green pyx phenos; strongly magnetic; no visible awaruite	1577
11803	dark grey to black hz with black coated fractures; strongly magnetic; tr diss'd vfg awaruite	1429
11804	greenish black intensely sheared nodular hz with c.g. orange pyx phenos; highly serp'd; mod magnetic; tr vfg diss'd awaruite	1613
11805	as 11804	1460
11806	dark grey highly serp'd hz with vague pyx phenos; mod magnetic; tr vfg diss'd awaruite	1557
11807	orange weathering carb list; whitish and pale green on fresh surface; weak mariposite; cut by asp-bearing qtz stringers; tr asp	816
11808	rusty weathering c.g. porphyritic hz; intensely serp'd; relict pyx phenos; strongly magnetic; tr vfg diss'D awaruite	1509
11809	dark greenish black serp; dense; strongly magnetic; tr vfg diss'd awaruite	1347
11810	as 11809 but also with bright golden metallic needles and possibly a smear of native gold on fracture surface; no visible awaruite	1359
11811	very rusty; dark grey fresh-looking dun; intensely magnetic; tr vfg diss'd awaruite	1578
11812	rusty weathering c.g. hz; very alt'd with buff carb matrix and dark green serp'd pyx phenos; non-magnetic; tr vfg diss'd awaruite	1374
11813	yellow weathering c.g. hz; same as 11812	1457
11814	rusty weathering c.g. hz; intensely serp'd; non-magnetic; pyx texture only visible on weathered surface; tr vfg diss'd awaruite	
11815	rusty weathering c.g. hz; dark grey intensely serp'd non-magnetic; no visible awaruite	1402

Sample Number	Sample Description	Ni ppm
11816	very rusty on fractures; same as 11815	1396
11817	rusty weathering; very alt'd hz with brown serp'D matrix and dark green serp'd pyx phenos; non-magnetic; tr vfg diss'd awaruite	1365
11818	reddish weathering; same as 11817	1337
11819	yellow weathering c.g. hz with thick 15 cm grey opx veinlets; same as 11817	1480
11820	lt reddish orange weathering c.g. hz; dark grey, dense relatively fresh-looking with pale green pyx phenos; weakly magnetic; tr vfg diss'd awaruite	1483
11821	extremely alt'd (serp'd) c.g. hz; black matrix with orange relicts of pyx phenos; weakly magnetic; no visible awaruite	1505
11822	dark grey relatively fresh-looking hz with pale green pyx phenos; non-magnetic; no visible awaruite	1477
11823	very alt'd hz; dark grey black serp'd matrix with vague dark green relict pyx phenos; non-magnetic; tr vvfg diss'd awaruite	1436
11824	dark green black serp; textureless; very strongly magnetic; no visible awaruite	1308
11825	as 11824 but with tr vfg awaruite; very rusty and patchily carb'd	1321
11826	as 11824; lt mottled buff and green serp'd hz with heavy green serp and antigorite on fractures	1546
11827	slightly rusty c.g. hz; dark grey relatively fresh-looking; mod serp'd; non-magnetic; tr vvfg diss'D awaruite; pyx phenos rarely visible on fresh surface	1418
11828	dark grey intensely serp'd hz with pale green pyx phenos; non-magnetic; tr vvfg diss'd awaruite	1445
11829	buff carb list; o.5% diss'd vfg awaruite	903
11830	med grey, dense, textureless strongly serp'd dun; very strongly magnetic; cut by bl chlorite lined fractures; tr vvfg diss'd awaruite	1562
11831	dark greenish black serp; very strongly magnetic; tr vfg diss'd awaruite	1449
11832	pale green schistose volc; no visible sulphides	107
11833	pale greenish volc with sericite alt; tr vvfg silvery metallic - awaruite?; rusty fractures	19
11834	talc; lt grey with vivid orange limonite spots of pyx phenos; non-magnetic; no visible awaruite	910
11835	dark blackish green serp; textureless; very strongly magnetic; tr vvfg diss'd awaruite	1232
11836	same as 11835; rare pyx pheno still visible	1289
11837	dark greenish black serp with occasional brown weathered totally alt'd pyx pheno; mod magnetic; no visible awaruite	1348
11838	dark blackish green serp; strongly magnetic; no visible awaruite	1338

Sample Number	Sample Description	Ni ppm
11839	dark blackish green serp; very strongly magnetic; tr vvfg diss'd awaruite	1256
11840	dark grey dense textureless dun; mod magnetic; tr vfg diss'd awaruite	1504
11841	dark greenish black serp; very strongly magnetic; no visible awaruite	1215
11842	med grey dense textureless relatively fresh-looking dun; very strongly magnetic; 0.5% vfg diss'd awaruite	1738
11843	rusty weathering, dark grey c.g. hz with rusty orange spots of relict pyx phenos; very alt'd by talc; very strongly magnetic; 0.5% vvfg diss'd pale silvery yellow sulphide	1541
11844	very rusty orange weathering c.g. hz; dark grey relatively fresh-looking with pale green pyx phenos; strongly magnetic; no visible awaruite	1598
11845	slightly rusty c.g. hz; buff very alt'd (talc) with black relict pyx phenos; weakly magnetic; tr vvfg diss'd awaruite	1542
11846	slightly rusty dark greenish grey mod serp'd hz with relict pyx phenos only visible on weathered surface; weak to non-magnetic; no visible awaruite	1658
11847	same as 11845	1572
11848	same as 11846; tr vvfg diss'd awaruite	1651
11849	very rusty orange c.g. hz; dark grey relatively fresh-looking with whitish green pyx phenos; very strongly magnetic; tr vvfg diss'd awaruite and yellow sulphide	1566
11850	dark greenish black nodular hz with orange nodules; very magnetic; tr diss'd vfg awaruite	1667
11851	dark blackish green highly serp'd pdt; no texture; dense; very strongly magnetic; 0.5% vfg diss'd awaruite	1646
11852	dark greenish grey mod serp'd pdt; sheared; dense; textureless; very strongly magneticl tr vvfg diss'd awaruite	1676
11853	dark green intensely serp'd pdt; at contact with norite; very strongly magnetic; tr vfg diss'd awaruite	1558
11854	yellow weathering late stage dun; dark grey relatively fresh looking; dense, textureless; non-magnetic; no visible awaruite	1840
11855	dark green serp; at contact with norite; very strongly magnetic; tr diss'd yellow sulphide and vvfg awaruite	1382
11856	rusty dark grey relatively fresh-looking pdt; dense textureless; very strongly magnetic; tr vvfg diss'd awaruite	1556
11857	dark grey mod serp'd pdt; dense, textureless; mod magnetic; tr vfg diss'd yellow sulphide	1814
11858	dark grey to greenish black serp with pales green serp patches after pyx phenos; very strongly magnetic; no visible awaruite	1515

Sample Number	Sample Description	Ni ppm
142551	buff carb list; no visible sulphides	1176
142552	buff carb list with minor red hem patches after pyx; no visible sulphides	1350
142553	dark greenish black very alt'd serp'd hz; highly sheared; strongly magnetic; 0.5% vfg diss'd awaruite	1584
142554	dark grey black, very alt'd serp'd hz; strong to mod magnetic; tr vfg diss'd awaruite	1710
142555	dark greenish black intensely serp'd hz with orange carb-replaced pyx phenos and occasional pale green talc-replaced pyx pheno; mod magnetic; tr vfg diss'd awaruite	1739
142556	buff carb list with minor carb stringers and minor mariposite	1142
142557	buff quartz-carb list with trace greyish vvfg sulphide (asp?); tr mariposite	969
142558	black very alt'd hz with green serp patches of former pyx phenos; weakly magnetic; 0.5% diss'd vfg awaruite	1367
142559	black serp; mod to strongly magnetic; tr vfg diss'd awaruite	1764
142560	dark grey black highly serp'd nod hz; strongly magnetic; tr vfg diss'd awaruite	1643
142561	dark grey serp with white carb? replaced pyx phenos; strong dark green serp on fractures; mod magnetic; tr vfg diss'd awaruite	1454
142562	dark grey dense pdt; non magnetic; tr vfg diss'd awaruite	1478
142563	same as 142562	1311
142564	yellow weathering late stage dun alt'd by pale greenish serp-carb; tr vfg diss'd awaruite	2308
142565	black pdt; intensely sheared by asb vnlts; strongly magnetic; tr vfg diss'd awaruite	1633
142566	late stage dun; lt grey dense; non-magnetic; tr vfg diss'd awaruite	2353
142567	orangey weathering c.g. hz; dark grey relatively fresh-looking with pale green fresh-looking pyx phenos; non-magnetic; no visible awaruite	1476
142568	yellow weathering dark grey pdt; dense; non-magnetic; 0.5% vfg diss'd awaruite	1555
142569	same as 142568	1555
142570	dark grey dun, dense; fractures heavily serp'd; mod magnetic; 0.5% vfg diss'd awaruite	1436
142571	dark grey intensely serp'd pdt; weakly magnetic; tr vfg diss'd awaruite	1540
142572	white, buff, pale green qtz-carb list; tr pyr	874

Sample Number	Sample Description	Ni ppm
142573	dark grey relatively fresh-looking pdt; strongly magnetic; tr vfg diss'd awaruite	1701
142574	black nodular hz; mod magnetic; tr vfg diss'd awaruite	1881
142575	buff, pale green carb list; 0.5% vfg diss'd awaruite	1147
142576	grey green carb/serp list	832
142577	buff, pale green carb list; minor mariposite; minor qtz stringers	1178
142578	buff, greyish green carb-serp list	894
142579	black textureless ol hz?; strongly magnetic; 0.5% vfg diss'd awaruite	1727
142580	dark grey nodular hz; relatively fresh-looking; strongly magnetic; tr vfg diss'd awaruite	1615
142581	dark grey dense nodular hz; relatively fresh-looking tr vfg diss'd awaruite	1487
142582	dark green strongly serp'd nodular hz; strongly magnetic; no visible awaruite	1284
142583	dark grey dense relatively fresh-looking pdt; sheared; strongly magnetic; no visible awaruite	1638
142584	dark greenish black highly serp'd nodular hz with virtually no phenos left; antigorite veinlets; strongly magnetic; tr vfg diss'd awaruite	1844
142585	pale green qtz-carb list; much mariposite and qtz stringers with bright white silvery metallic - asp? awaruite? as needles and laths	973
142586	mottled buff and pale green carb list; mod mariposite; tr bright white vfg diss'd metallic - asp? awaruite?	1238
142587	sheared dark green serp cut by orange carb streaks; mod magnetic; tr vfg diss'd awaruite	1539
142588	greyish green carb/serp list cut by carb vnlets; tr vfg diss'd awaruite	1120
142589	dark grey dense relatively fresh-looking pdt; strongly magnetic; tr vfg diss'd awaruite	1253
142590	buff and greyish green carb list; minor mariposite; cut by white carb stringers; tr vfg diss'd awaruite and 0.5% diss'd pyr	1239
142591	black highly serp'd pdt; strongly magnetic; no visible awaruite	1859
142592	dark greenish black, very sheared nodular hz; very strong magnetically; tr vfg diss'd awaruite	1927
142593	mottled pale green and black extremely sheared intensely alt'd by talc and serp; strongly magnetic; tr vfg diss'd awaruite	1719
142594	black very sheared hz? highly serp'd; weakly to mod magnetic; no visible awaruite	1666

Sample Number	Sample Description	Ni ppm
142595	black very sheared and intensely serp'd hz; mod magnetic; no visible awaruite	1722
142596	dark grey intensely serp'd hz with vague patches of brown of former pyx phenos; no visible awaruite	1969
142597	dark green intensely serp'd hz; strongly magnetic; no visible awaruite	1330
142598	med greenish grey relatively fresh-looking dun; mod magnetic; tr vvfg diss'd awaruite	1290
142599	pale green carb list; weak mariposite; tr vfg diss'd awaruite	1254
142600	med grey green carb/serp list and pale green carb list; tr diss'd vfg awaruite	1079
142601	dark grey relatively fresh-looking pdt; strongly magnetic; tr vfg diss'd awaruite	1183
142602	med greenish grey relatively fresh-looking dun; non-magnetic; tr vfg diss'd awaruite	1192
142603	dark greenish grey mod serp'd pdt; weakly magnetic; tr vfg diss'd awaruite	1676
142604	greenish black serp; almost jade; strongly magnetic; no visible awaruite	1520
142605	dark black green serp; strongly magnetic; tr vfg diss'd awaruite	1492
142606	dark blackish green serp; strongly magnetic; 0.5% both vfg diss'd awaruite and pyr?	1426
142607	as 142606 except non-magnetic	1468
142608	black c.g. hz with c.g. orange talc patches after pyx phenos; strongly magnetic; no visible awaruite	1697
142609	black c.g. hz; relatively fresh-looking; strongly magnetic; tr vfg diss'd awaruite	1670
142610	very fresh dark grey c.g. hz; strongly magnetic; no visible awaruite	1578
142611	buff weathering dark greenish grey dun with minor c.g. pyx phenos; cut by large irregular seam of antigorite 0.6m wide; non to weakly magnetic; tr vfg diss'd awaruite	1634
142612	orange weathering c.g. hz; dark grey relatively fresh looking with pale greenish pyx phenos; non-magnetic; no visible awaruite	1578
142613	orange weathering dark grey hz; relatively fresh-looking; strongly magnetic; no visible awaruite	1543
142614	as 142613	1470
142615	yellow weathering late stage dun; dark grey relatively fresh-looking but weakly serp'd; non-magnetic; no visible awaruite	1703

Sample Number	Sample Description	Ni ppm
142616	rusty weathering c.g. hz; mod serp'd; strongly magnetic; no visible awaruite	1574
142617	dark grey black relatively fresh-looking hz with pale greenish pyx phenos; mod magnetic; no visible awaruite	1668
142618	yellow weathering pdt and c.g. hz; differentiated layers; dark green chlorite on fractures; massive; blocky; mod serp'd; also cut by magnetite-lined fractures; mod to non-magnetic; no visible awaruite	1715
142619	yellow weathering c.g. hz; black on fresh surface; cut by black streaks of chlorite; non-magnetic; no visible awaruite	1631
142620	dark grey fresh-looking pdt with occasional pale green pyx pheno; strongly magnetic; tr vvfg diss'd awaruite and yellow sulphide	1503
142621	same as 142620	1376
142622	yellow weathering dark grey dense pdt; fresh-looking strongly magnetic; no visible awaruite	1607
142623	serp'd hz with black matrix and orange pyx phenos; strongly magnetic; no visible awaruite	1574
142624	same as 142622	1506
142625	dark green serp'd ha; matrix black with orange pyx phenos; non-magnetic; at contact with norite; no visible awaruite	1578
142626	as 142625; sheared, platy; strongly magnetic	1541
142627	orange weathering c.g. porphyritic hz; blackish grey on fresh surface; non-magnetic; cut by black mag-coated fractures; tr vfg diss'd awaruite	
142628	buff and dark grey mottled hz; black matrix with pale green pyx phenos; strongly magnetic; no visible awaruite	1570
142629	yellow weathering dense hz; intensely bx'd; fractures coated by green black chlorite; same as 142628	1542
142630	yellow weathering dense c.g. hz; brown matrix with silvery pyx phenos; mod magnetic; no visible awaruite	1683
142631	orange-brown weathered c.g. hz with pale silvery pyx phenos; non-magnetic; no visible awaruite	1697
142632	rusty orange weathered hz; med grey fresh-looking hz; non-magnetic; tr vfg diss'd awaruite	1772
142633	yellow weathering c.g. hz with much black chlorite on fractures; fresh-looking dark grey; strongly magnetic no visible awaruite	1694
142634	orange rusty weathering dark grey pdt; strongly magnetic; no visible awaruite	1677
142635	rusty weathering dark grey pdt with minor c.g. pyx phenos; weak to non-magnetic; tr vfg diss'd awaruite;	1750

Sample Number	Sample Description	Ni ppm
142636	rusty weathering c.g. hz; dark grey matrix with pale grey green pyx phenos; weak to non-magnetic; tr vfg diss'd awaruite	1735
142637	very rusty weathering c.g. hz with dark grey matrix and lt greenish grey pyx phenos; mod magnetic; tr vfg diss'd awaruite	1689
142638	rusty weathering dark grey pdt with minor lt grey pyx phenos; mod magnetic; no visible awaruite	1667
142639	intensely alt'd (talc) porphyritic hz; brown matrix with greyish green pyx phenos; mod magnetic; tr vvfg awaruite and yellow sulphide	1667
142640	mottled buff and lt green c.g. hz; dark grey strongly serp'd with vague pyx phenos; strongly magnetic; no visible awaruite	1667
142641	greyish green and buff mottled c.g. hz with much green black chlorite on fractures; also black Mn? stain; vague pyx phenos; very strongly magnetic; tr vfg diss'd awaruite	1707
142642	black serp ; very strongly magnetic; tr vfg diss'd awaruite	1606
142643	dark green black hz intensely serp'd with pale green pyx phenos; very strongly magnetic; tr vfg diss'd awaruite	1534
142644	dark green intensely serp'd hz?; very strongly magnetic tr vfg diss'd awaruite; heavy Mn on fractures	1528
142645	dark green intensely serp'd pdt; strongly magnetic; 0.5 - 1.0% vfg diss'd awaruite and yellow needle-like metallic	1606
142646	dark greyish green strongly serp'd pdt with minor black fresh-looking pyx phenos; strongly magnetic; tr vfg diss'd awaruite	1604
142647	mottled pale grey and buff hz cut by black chlorite-lined fractures; fresh surface dark greenish black; intensely serp'd with pale green pyx phenos; strongly magnetic; tr vfg diss'd awaruite	1693
142648	dark grey c.g. hz with whitish pyx phenos; heavy black Mn stain on fractures; strongly magnetic; tr vvfg diss'd awaruite	2145
142649	dark grey relatively fresh-looking hz with whitish pyx phenos; strongly magnetic; tr vvfg diss'd awaruite	1781
142650	dark grey intensely serp'd hz; nodules pale yellow green dun; strongly magnetic; no visible awaruite	1732
142651	dark grey sheared nodular hz; intensely serp'd; strongly magnetic; tr yellow sulphide	1812

Sample Number	Sample Description	Ni ppm
142652	dark grey relatively fresh-looking c.g. hz; strongly magnetic; tr vfg diss'd awaruite	1740
142653	dark grey pdt; textureless, dense; strongly magnetic; tr vfg diss'd awaruite	1766
142654	black intensely serp'd pdt; strongly magnetic; 0.5% vfg diss'd awaruite	1701
142655	mottled grey green and orange, rusty weathering c.g. hz with mod serp on fractures; fresh surface dark grey; mod serp'd; very strongly magnetic; 0.5% vfg diss'd awaruite	1716
142656	very rusty red brown c.g. hz; fresh surface dark grey with pyx phenos visible only on weathered surface; mod serp'd; strongly magnetic; tr vfg diss'd sulphide	1699
142657	black grey intensely serp'd pdt; textureless; very strongly magnetic; at contact with norite; tr vfg diss'd awaruite	1673
142658	dark grey hz with pale greenish pyx phenos; very strongly magnetic; tr vfg diss'd awaruite	1736
142659	yellow weathering late stage dun; dark grey fresh-looking; mod to strongly magnetic; tr vfg diss'd awaruite	1860
142660	very rusty c.g. hz; dark grey on fresh surface with whitish pyx phenos; strongly magnetic; no visible awaruite	1718
142661	yellow weathering late stage dun; dark grey on fresh surface; intensely serp'd with very little texture left; weakly magnetic; tr vfg diss'd awaruite	1681
142662	dark grey mod serp'd pdt; dense; strongly magnetic; tr vfg diss'd awaruite	1026
142663	dark green serp; very strongly magnetic; no visible awaruite	1558
142664	same as 142663	1453
142665	dark greenish black highly serp'd pdt?; very strongly magnetic; tr vfg diss'd awaruite	1480
142666	same as 142665; no visible awaruite	1480
142667	dark grey highly serp'd pdt; cut by carb vnlts; very strongly magnetic; no visible awaruite	1374
142668	dark grey relatively fresh-looking dense norite; very strongly magnetic; tr vfg diss'd pale yellow sulphide	179
142669	dark grey slightly serp'd norite; non-magnetic; tr vfg diss'd yellow sulphide	67
142670	lt grey relatively fresh-looking pdt?; extremely magnetic; tr of yellow green serp on fractures; no visible awaruite	1701
142671	dark green highly serp'd pdt?; non-magnetic; no visible awaruite	969
142672	dark green serp; very strongly magnetic; tr vfg diss'd awaruite	1482

Sample Number	Sample Description	Ni ppm
142673	pale greenish grey carb/serp list with black vague areas of former pyx phenos; no visible awaruite or sulphides	951
142674	med greenish grey serp/talc list; very strongly magnetic; tr vfg diss'd awaruite	389
142675	dark green serp; very strongly magnetic; 0.5% vfg diss'd yellow sulphide and tr vfg diss'd awaruite; VG speck?	1446
142676	dark yellow green serp; schistose; very strongly magnetic;; no visible awaruite	1651
142677	very sheared dark green serp'd pdt? gbo? volc?; dense chloritic; non-magnetic; tr vfg diss'd yellow sulphide and awaruite; in sharp contact with unaltered volcanic	1537
142678	med grey schistose talc with rusty orange spots after pyx phenos; non-magnetic; no visible sulphides or awaruite	966

11.0 RESULTS

Drill Core: A visual examination of drill core from 94-10 showed that awaruite was present throughout the entire hole. Several sections were noted with an estimated 10% disseminated coarse grained awaruite averaging 2 - 5 mm in diameter. The entire hole (74.11 meters) averaged 1508 ppm nickel. The results do not reflect the visual estimate. It has been noted from past work that there appears to be significant differences in Ni/Co values from lab to lab (see Assessment Report 24906). Sample 11714 returned a value of 1625 Ni/78 Co. Previous sampling of this interval returned 2141 ppm Ni/90 ppm Co. Sample 11721 returned a value of 1511 ppm Ni/76 ppm Co. Previous sampling returned values of 2113 ppm Ni/ 84 ppm Co.

Rock sampling: Analysis of 178 rock samples showed to following results:

1) The highest values were obtained from late stage dunites (2308, 2353, 2128 ppm Ni) and harzburgite (c.g. harzburgite 2145 ppm Ni, serpentinized harzburgite 1969 ppm Ni, nodular harzburgite 1927 ppm Ni).
2) Of 178 samples 6% (10 samples) exceeded 1800 ppm Ni. A breakdown by lithology is as follows:

late stage dunite	4 samples
serp'd harzburgite	3 samples
serp'd peridotite	2 samples
harzburgite	1 sample

3) Of 178 samples 15% (26 samples) fell between 1700 and 1799 ppm Ni. A breakdown by lithology is as follows:

harzburgite	10 samples
peridotite	7 samples
serp'd harzburgite	5 samples
serpentine	2 samples
serp'd peridotite	1 sample
dunite	1 sample

4) Of 178 samples 26% (46 samples) fell between 1600 and 1699 ppm Ni. A breakdown by lithology is as follows:

harzburgite	12 samples
serp'd harzburgite	11 samples
serp'd peridotite	9 samples
peridotite	8 samples
dunite	3 samples
serpentine	3 samples

5) Forty-nine samples (28%) fell below 1500 ppm Ni. The majority of samples 61% (109 samples) fell between 1500 and 1599 ppm Ni.

6) The lowest nickel values were obtained from the listwanites but on occasion from serpentine or serpentinized equivalents.

7) The following analytical discrepancies have been noted:

1997 rock sample		1994 rock sample	
142556	1142 ppm Ni	D98528	1358 ppm Ni
142557	969 ppm Ni	D98513	1129 ppm Ni
142572	874 ppm Ni	A98560	1316 ppm Ni
142578	894 ppm Ni	A98510	838 ppm Ni
142588	1120 ppm Ni	A98537	1360 ppm Ni
142670	1701 ppm Ni	1BMSR004	1949 ppm Ni
142674	389 ppm Ni	A 98052	686 ppm Ni

The differences in nickel values range from nil to 43% and average approximately 15%. Other rock sampling shows discrepances from 25 to 30% in nickel values.

Metallurgy:

1) The Knelson gravity concentrate test at a P_{80} of 155 m resulted in 35.4% Ni recovery to the Knelson concentrate at 6.8 mass %. The pan concentrate recovery was 19.9% Ni in 0.3 mass%.

2) The magnetic separation test resulted in high mass recoveries with only marginal concentration ratio. The magnetics recovery (P_{80} of 1897 m) was 63.3% Ni in 53.1 mass %. The milled sample at a P_{80} of 155 m was 81% Ni in 63.4 mass %. The nickel grade was only slightly improved.

3) The bottle roll leach test resulted in 30% Ni dissolution in 24 hours. The tank leach test on the milled sample at P_{80} of 78 m resulted in a Ni dissolution of 67%. The kinetic curves for both leaches indicate that longer leach times would be beneficial. The acid consumption on the unmilled sample was 63.7 kg/tonne compared to 194.4 kg/tonne for the milled sample.

4) The composite sample of 96RMB-43 and 44 (collected in 1996) was passed through a Sala WLIMS Drum Separator. Rougher and scavenger concentrates were collected and combined. The combined concentrate was given a 24 hour sulphuric acid leach at pH 1.5. The magnetic concentrate that was produced resulted in grade increases of Fe, Ni and Co with recoveries of 59%, 57% and 38% respectively. A size analysis of the leach residue showed that the grind was possibly still too coarse at a P_{80} of 113 m. The leach Ni dissolution was 46.6% after 24 hours giving an overall Test Ni recovery of 26.6%. The leach acid consumption was reduced to 144 kg/tonne by removal of some of the acid consuming minerals into the WLIMS tailing. Tests indicate that extending the leach time should result in only a small increase in acid requirement.

12.0 CONCLUSIONS

The following quotations have been taken from a petrographic report by Vancouver Petrographics in order to conclusively prove that awaruite exists other than the inclusions reported in the SEM work (1997) on the nonmagnetic portions of samples 96RMB-43 and 44.

"In places there are areas of highly reflectant opaques associated with magnetite, with cubic or triangular to lath-like or rarely rounded outlines up to 0.2mm long and apparently isotropic character. The first (with triangular shapes; most common) is confirmed by SEM analysis as Fe-Ni alloy (about 1:1 Fe to Ni; the second (irregular; rare ie one out of 6 grains analysed) is identified as Ni sulphide with Ni:S ratio 1:1." (96RMB-43)

"Rare highly reflective Fe-Ni alloy forms clusters up to 0.2mm across of needle-like crystals less than 50 microns long; by analogy with the SEM analysis done for RMB-43, subhedral crystals to 100 microns could by Ni sulphide." (96RMB-44)

"Rare very fine (less than 20 micron diameter) crystals of highly reflective Fe-Ni alloy are found in the serpentine fractures, rarely aggregating to blebs 0.3 mm long, and only very rarely intergrown with magnetite. Rare aggregates of Fe-Ni alloy to 65 microns diameter are enclosed in (rimmed by) carbonate." (96RMB-45)

The discrepancies in nickel values between labs and the fact that no awaruite was noted in the magnetic fraction examined under microscope is somewhat troubling. Since awaruite tends to be malleable, it is conjectured that the finer grind (-150 mesh) used in the 1997 rock preparation versus the -100 mesh used in the 1994 work may be detrimental to awaruite recovery. If this theory is correct a coarser grind would most definitely be more beneficial to awaruite recovery.

The metallurgical work performed by Process Research indicated that the awaruite and/or nickel might be economically extractable.

13.0 RECOMMENDATIONS

1. The drill core from 94-10 should be re-analysed selectively for nickel and cobalt by an alternative lab for the same (-150 mesh) fraction plus re-analysed for the -100 and the +100 fraction.
2. Further metallurgical testing should be conducted. Process Research has suggested the following tests be performed:

    a) a further bottle roll test on the unmilled sample 96RMB43/44 which should be continued for 5 days with sampling at 4, 8, 24, 72 and 96 hours.
    b) grind sample to P_{80} of 78 m followed by gravity concentration and leaching of a Knelson concentrate.
    c) additional tests on finer grind than P_{80} of 113 m.
    d) optimize grind/magnetic selectivity relationship with an inclusion of a WLIMS cleaning step and optimize leach conditions.

14.0 REFERENCES

Paper 37-13, West Half of the Fort Fraser Map-Area, B.C., by J. E. Armstrong, 1937.

Paper 38-10, Northwest Quarter of the Fort Fraser Map-Area, B. C., by J. E. Armstrong, 1938.

Paper 78-19, Jade in Canada, by S. P. Leaming.

Paper 74-1, Part B, Geology of the Cache Creek Group and Mesozoic Rocks at the Northern End of the Stuart Lake Belt, Central B.C., by Ian A. Paterson, 1975.

Memoir 252, Fort St. James Map-Area, Cassiar and Coast Districts, B.C., by J. E. Armstrong, 1949.

Assessment Report 5648, Rock Sampling and Prospecting on the Pauline Claims, by D. Stelling, 1975.

Assessment Report 8135, Prospecting Report on the CR Claims, by V. Guinet, 1980.

Assessment Report 10286, Geophysical Report on the CR 1 - 6 Claims, by T. Pizzot, 1982.

Assessment Report 11879, Geochemical Survey on the BAP Claims, by R. R. Culbert, 1984.

Assessment Report 17173, Geochemical Sampling on the Van Group, Klone Group, Mid Claim, by U. Mowat, 1988.

Assessment Report 18089, Geochemical Sampling, Prospecting and Mapping on the Van Group, Klone Group and Mid Claim, by U. Mowat, 1988.

Assessment Report 20541, Mapping and Drilling Program on the Mount Sidney Williams Property, by U. Mowat, 1990.

Assessment Report 21870, Drilling Program on the Mount Sidney Williams Property, by U. Mowat, 1991.

Assessment Report 23569, Drilling Program on the Mount Sidney Williams Property, by U. Mowat, 1994.

Assessment Report 24906, A Geochemical/Petrographic Report on the Mount Sidney Williams Property, by U. Mowat, January 1997.

15.0 STATEMENT OF COSTS

Analysis	
286 rock prep at $5.50/sample	1573.00
1410 overweight preps at $0.50/ sample	705.00
24 samples analysed for 34 elements at $8.55/sample	205.20
262 samples analysed for 34 elements at $7.27/sample	1904.74
24 samples analysed for Au at $6.90/ sample	165.60
262 samples analysed for Au at $5.87/sample	1537.94
33 silt sample prep at $5.15/sample	169.95
33 silt samples analysed for 34 elements at $7.27/sample	239.91
33 silt samples analysed for Au at $5.87/sample	193.71
GST	468.65
	$7163.70
Helicopter	
37.5 hours at $630/hour	23625.00
3.3 hours at $640/hour	2112.00
4365.6 liters of fuel at $0.70/ liter	3055.92
285.0 liters of fuel at $0.75/ liter	213.75
GST	2030.47
	$31037.14
Labour	
1 man at $200/day for 34 days	6800.00
1 man at $200/day for 6 days	1200.00
1 man at $150/day for 31 days	4650.00
2 men at $175/day for 3 days	1050.00
1 man at $150/day for 30 days	4500.00
1 man at $150/day for 33 days	4950.00
20% employee benefits	4630.00
GST	1944.60
	$29724.60
1 man for 1 month at $4003.48/ month	4003.48
1 man at $400/day for 34 days	13600.00
	$17603.48
Administration	$5939.32
Expediting	$60.00

Metallurgy (see invoices)	$7393.70
Camp Rental	
30 days at $30/man/day for 6 men	5400.00
generator at $30/day for 30 days	900.00
core splitter	150.00
GST	451.50
	$6901.50
Truck Rental	
1 truck for 6 days at $75.00/day	450.00
1 truck for 32 days at $50.00/day	1600.00
GST	143.50
	$2193.50
Lumber	1070.00
Airfare	1439.82
Groceries	5528.79
Telephone	391.44
Equipment	1462.08
Stove Oil	1744.77
Propane	141.21
Gas	286.13
Freight	2034.85
Courier	45.32
Accommodation	
9 rooms for 17 days at $52.90/night	899.30
2 rooms for 2 days at $62.10/night	124.20
	$1023.50
Meals	570.72
Taxi	53.00
TOTAL	**$129208.57**

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INVOICE

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May 30, 1997

Project No: 97-053 **Invoice No: 1192**

TO: First Point Minerals Corp.
Suite 2170 - 1050 West Pender Street,
Vancouver, B.C.
V6E 3S7

PAID
JUN 1 0 1997
BY: 0298

ATTENTION: Peter Bradshaw

RE: Metal Recovery Study
Professional Services to May 30, 1997

Receive samples and prepare composite.	$55.00
Assay for Fe, Ni, Co and multi-element ICP metal analysis.	$65.00
Size Analysis	$25.00
Acid Consumption Test	$35.00
Leach Tests controlled at pH 1.5 (2 @ $300 ea.)	$600.00
Assay Products (5/test) for Fe, Ni & Co & H_2SO_4 of PLS	$330.00
Gravity Concentration Scoping Test	$250.00
Assay Products (3) for Fe, Ni & Co	$90.00
Dry Magnetic Concentration Scoping Tests (2 @ $250.00)	$500.00
Assay Products (4/test) for Fe, Ni & Co	$240.00
Disbursements	$40.00
Supervision and Reporting	$550.00
Total	$2780.00
GST (7%)	$194.60
Total amount owing this invoice	**$2,974.60**

approved
by
JUN 1 1 1997
proj Sydney Williams
code 706

Terms: Net 30 days. Interest @ 1% per month on overdue accounts
G.S.T. Number R132440272

Winword//forms/QF-002, Revision A.

NOTE: Need to subtract the $100 deposit.

INVOICE

PROCESS RESEARCH ASSOCIATES LTD.

9145 Shaughnessy Street
Vancouver, B.C.
Canada, V6P 6R9

Phone: (604) 322-0118
Fax: (604) 322-0181
June 30, 1997

Project No: 97-053 **Invoice No: 1218**

TO: **First Point Minerals Corp.**
Suite 2170 - 1050 West Pender Street,
Vancouver, B.C.
V6E 3S7

PAID
JUL 3 0 1997
BY: 0359

ATTENTION: Mr. Peter Bradshaw

RE: **Metal Recovery Study**
Professional Services to June 30, 1997

Wet Magnetic Concentration Scoping Test (1 @ $250.00)	$250.00
Assay Products (2 tests) for Fe, Ni & Co	$60.00
Leach Tests controlled at pH 1.5 (1 @ $300 ea.)	$300.00
Assay Products (5 tests) for Fe, Ni & Co & H_2SO_4 of PLS	$165.00
Disbursements	$40.00
Supervision and Reporting	$200.00
Total	$1,015.00
GST (7%)	$71.05
Total amount owing this invoice	**$1,086.05**

approved
by

JUL 10 1997
proj 706
code

Terms: Net 30 days. Interest @ 1% per month on overdue accounts
G.S.T. Number R132440272

INVOICE

PROCESS RESEARCH ASSOCIATES LTD.

9145 Shaughnessy Street
Vancouver, B.C.
Canada, V6P 6R9

Phone: (604) 322-0118
Fax: (604) 322-0181
July 31, 1997

Project No: 97-053 **Invoice No: 1252**

TO: **First Point Minerals Corp.**
Suite 2170 - 1050 West Pender Street,
Vancouver, B.C.
V6E 3S7

approved
by _____

AUG 2 5 1997
proj 706
code _____

ATTENTION: Mr. Peter Bradshaw

RE: Metal Recovery Study
Professional Services to July 31, 1997

Sample Preparation	$110.00
Head Analyses (2 @ $30.00)	$60.00
Magnetic Separation Tests (3 @ $500.00)	$1,500.00
Assays (2 @ $150.00/test + 1 @ $210.00)	$510.00
Vancouver Petrographics	$290.00
Disbursements	$20.00
Project management and Supervision	$625.00
Total	$3,115.00
GST (7%)	$218.05
Total amount owing this invoice	**$3,333.05**

Terms: Net 30 days. Interest @ 1% per month on overdue accounts
G.S.T. Number R132440272

16.0 STATEMENT OF QUALIFICATIONS

1. I am a registered member of the Association of Professional Engineers and Geoscientists of British Columbia.

2. I am a graduate of the University of British Columbia having graduated in 1969 with a Bachelor of Science in Geology.

3. I have practiced my profession since 1969 in mineral, oil and gas, and coal exploration.

4. I have a direct interest in the Mount Sidney Williams property.

Ursula G. Mowat, P. Geo.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA U.G. MOWAT GEOSCIENTIST

Dated this 10th day of December, 1997 at Vancouver, B. C.

APPENDIX I

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V97-01494.0 (COMPLETE)

REFERENCE: MT SIDNEY WILLIAMS

CLIENT: FIRST POINT MINERALS CORPORATION

PROJECT: MT SIDNEY

SUBMITTED BY: U. MOWAT

DATE RECEIVED: 27-JUN-97 DATE PRINTED: 12-NOV-97

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
970713	1 Wet Au	Partial Ext. Gold	24	5 PPB	ASH/AQ REG/DIBK	ATOMIC ABSORPTION
970713	2 Ag	Silver	24	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	3 Cu	Copper	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	4 Pb	Lead	24	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	5 Zn	Zinc	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	6 Mo	Molybdenum	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	7 Ni	Nickel	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	8 Co	Cobalt	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	9 Cd	Cadmium	24	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	10 Bi	Bismuth	24	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	11 As	Arsenic	24	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	12 Sb	Antimony	24	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	13 Fe	Iron	24	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	14 Mn	Manganese	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	15 Te	Tellurium	24	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	16 Ba	Barium	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	17 Cr	Chromium	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	18 V	Vanadium	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	19 Sn	Tin	24	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	20 W	Tungsten	24	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	21 La	Lanthanum	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	22 Al	Aluminum	24	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	23 Mg	Magnesium	24	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	24 Ca	Calcium	24	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	25 Na	Sodium	24	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	26 K	Potassium	24	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	27 Sr	Strontium	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	28 Y	Yttrium	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	29 Ga	Gallium	24	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	30 Li	Lithium	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	31 Nb	Niobium	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	32 Sc	Scandium	24	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	33 Ta	Tantalum	24	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	34 Ti	Titanium	24	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970713	35 Zr	Zirconium	24	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	24	2 -150	24	CRUSH/SPLIT & PULV.	24
				OVERWEIGHT/KG	55

REPORT COPIES TO: MR. PETER BRADSHAW

INVOICE TO: MR. PETER BRADSHAW

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01494.0 (COMPLETE)
DATE RECEIVED: 27-JUN-97 DATE PRINTED: 12-NOV-97 PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Wet Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
Gannet Standard		213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 6		-	<.2	139	18	130	1	129	32	0.4	<5	145	<5	7.31	1366	<10	7	167	45	<20	<20	<1	1.84	2.73	3.71	0.01	0.04	73	3	3	21	3	8	<10	<.01	6
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	139	18	130	1	129	32	0.4	3	145	3	7.31	1366	5	7	167	45	10	10	0.5	1.84	2.73	3.71	0.01	0.04	73	3	3	21	3	8	5	.005	6
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.2	140	18	140	4	135	35	0.2	1	145	1	6.50	1450	-	6	170	50	5	12	-	1.80	2.70	4.00	0.01	0.04	70	3	-	24	2	6	1	.003	5
Gannet Standard		409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		-	<.2	<1	<2	<1	<1	3	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	2	<1	<20	<20	<1	<.01	0.03	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	0.5	1	0.5	0.5	3	0.5	0.1	3	3	3	.005	0.5	5	0.5	2	0.5	10	10	0.5	.005	0.03	.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<.01	<.0001	<.01	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01494.0 (COMPLETE)
DATE RECEIVED: 27-JUN-97 DATE PRINTED: 12-NOV-97 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
11705		<5	<.2	6	2	24	<1	1397	73	<.2	<5	<5	<5	4.85	786	<10	2	1096	30	<20	<20	<1	0.53	>10.00	1.14	<.01	<.01	2	<1	<2	<1	1	8	<10	<.01	<1
Duplicate		6	<.2	6	4	24	<1	1440	71	<.2	<5	<5	<5	4.84	780	<10	2	1093	29	<20	<20	<1	0.52	>10.00	1.15	<.01	<.01	1	<1	<2	<1	1	8	<10	<.01	<1
11708		<5	<.2	9	3	26	<1	1688	76	<.2	<5	<5	<5	5.36	554	<10	2	1322	34	<20	<20	<1	0.64	>10.00	0.52	<.01	<.01	<1	<1	<2	<1	2	9	<10	<.01	<1
Prep Duplicate		<5	<.2	8	3	26	<1	1589	77	<.2	<5	<5	<5	5.18	537	<10	2	1282	32	<20	<20	<1	0.60	>10.00	0.51	<.01	<.01	<1	<1	<2	<1	<1	9	<10	<.01	<1
11722		<5	<.2	7	2	26	<1	1438	78	<.2	<5	<5	<5	4.88	819	<10	2	1169	28	<20	<20	<1	0.46	>10.00	0.82	<.01	<.01	<1	<1	<2	<1	<1	9	<10	<.01	<1
Duplicate			<.2	9	2	27	<1	1598	87	<.2	<5	<5	<5	5.14	861	<10	3	1214	29	<20	<20	<1	0.48	>10.00	0.86	<.01	<.01	<1	<1	<2	<1	<1	9	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V97-01629.0 (COMPLETE)

REFERENCE: MT SIDNEY WILLIAMS

CLIENT: FIRST POINT MINERALS CORPORATION

PROJECT: MT SIDNEY

SUBMITTED BY: U. MOWAT

DATE RECEIVED: 10-JUL-97 DATE PRINTED: 12-NOV-97

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
970720	1 Wet Au	Partial Ext. Gold	43	5 PPB	ASH/AQ REG/DIBK	ATOMIC ABSORPTION
970720	2 Ag	Silver	43	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	3 Cu	Copper	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	4 Pb	Lead	43	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	5 Zn	Zinc	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	6 Mo	Molybdenum	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	7 Ni	Nickel	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	8 Co	Cobalt	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	9 Cd	Cadmium	43	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	10 Bi	Bismuth	43	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	11 As	Arsenic	43	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	12 Sb	Antimony	43	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	13 Fe	Iron	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	14 Mn	Manganese	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	15 Te	Tellurium	43	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	16 Ba	Barium	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	17 Cr	Chromium	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	18 V	Vanadium	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	19 Sn	Tin	43	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	20 W	Tungsten	43	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	21 La	Lanthanum	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	22 Al	Aluminum	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	23 Mg	Magnesium	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	24 Ca	Calcium	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	25 Na	Sodium	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	26 K	Potassium	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	27 Sr	Strontium	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	28 Y	Yttrium	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	29 Ga	Gallium	43	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	30 Li	Lithium	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	31 Nb	Niobium	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	32 Sc	Scandium	43	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	33 Ta	Tantalum	43	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	34 Ti	Titanium	43	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970720	35 Zr	Zirconium	43	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	43	2 -150	43	CRUSH/SPLIT & PULV.	43
				OVERWEIGHT/KG	180

REPORT COPIES TO: MR. PETER BRADSHAW

INVOICE TO: MR. PETER BRADSHAW

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION

PROJECT: MT SIDNEY

REPORT: V97-01629.0 (COMPLETE)

DATE RECEIVED: 10-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 1 OF 4

SAMPLE NUMBER	ELEMENT Wet	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
11750		12	<.2	10	<2	20	<1	1558	75	<.2	<5	<5	<5	4.74	725	<10	3	1199	19	<20	<20	<1	0.46	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	<1	6	<10	<.01	<1
11751		6	<.2	4	<2	17	<1	1024	62	<.2	<5	<5	<5	4.14	611	<10	2	1170	29	<20	<20	<1	0.60	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11752		<5	<.2	14	<2	19	<1	1539	73	<.2	<5	<5	<5	4.39	691	<10	3	1325	29	<20	<20	<1	0.54	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11753		11	<.2	9	<2	22	<1	1522	79	<.2	<5	<5	<5	4.94	770	<10	3	1330	29	<20	<20	<1	0.49	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11754		<5	<.2	9	<2	22	<1	1515	72	<.2	<5	<5	<5	4.37	638	<10	5	1346	31	<20	<20	<1	0.58	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11755		<5	<.2	4	<2	21	<1	1586	87	<.2	<5	<5	<5	5.13	864	<10	2	538	6	<20	<20	<1	0.06	>10.00	<.01	<.01	<.01	<1	<1	<2	1	<1	<5	<10	<.01	<1
11756		<5	<.2	9	<2	17	<1	1527	72	<.2	<5	<5	<5	4.45	633	<10	4	1163	24	<20	<20	<1	0.49	>10.00	0.07	<.01	<.01	<1	<1	<2	1	<1	8	<10	<.01	<1
11757		<5	<.2	10	<2	16	<1	1585	76	<.2	<5	<5	<5	4.65	688	<10	3	979	24	<20	<20	<1	0.53	>10.00	0.09	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	<1
11758		<5	<.2	16	<2	19	<1	1600	76	<.2	<5	<5	<5	4.74	720	<10	2	971	15	<20	<20	<1	0.33	>10.00	0.04	<.01	<.01	<1	<1	<2	1	<1	5	<10	<.01	<1
11759		<5	<.2	11	<2	12	<1	1521	75	<.2	<5	8	<5	4.69	644	<10	3	716	22	<20	<20	<1	0.40	>10.00	0.23	<.01	<.01	<1	<1	<2	1	<1	8	<10	<.01	<1
11760		<5	<.2	8	<2	21	<1	1533	80	<.2	<5	6	<5	5.32	711	<10	17	1332	30	<20	<20	<1	0.53	>10.00	0.08	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11761		<5	<.2	10	<2	13	<1	1562	76	<.2	<5	<5	<5	4.60	568	<10	12	698	18	<20	<20	<1	0.37	>10.00	0.20	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11762		<5	<.2	<1	<2	13	<1	1477	76	<.2	<5	9	<5	4.89	668	<10	5	487	15	<20	<20	<1	0.32	>10.00	0.06	<.01	<.01	<1	<1	<2	<1	<1	5	<10	<.01	<1
11763		<5	<.2	<1	<2	13	<1	1463	75	<.2	<5	7	<5	4.71	649	<10	3	497	15	<20	<20	<1	0.35	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	<1	5	<10	<.01	<1
11764		11	<.2	3	<2	4	<1	819	34	<.2	<5	109	6	3.51	541	<10	4	323	16	<20	<20	<1	0.14	>10.00	0.73	<.01	0.02	1	<1	<2	2	<1	6	<10	<.01	<1
11766		<5	<.2	10	<2	17	<1	1684	84	<.2	<5	<5	<5	4.80	767	<10	2	414	4	<20	<20	<1	0.05	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11767		<5	<.2	10	<2	21	<1	1425	68	<.2	<5	6	<5	4.43	658	<10	4	1370	33	<20	<20	<1	0.61	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	<1	9	<10	<.01	<1
11768		<5	<.2	8	<2	19	<1	1346	69	<.2	<5	<5	<5	4.91	666	<10	4	1365	31	<20	<20	<1	0.48	>10.00	0.35	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11769		<5	<.2	<1	<2	16	<1	1402	69	<.2	<5	<5	<5	4.68	665	<10	3	1246	31	<20	<20	<1	0.57	>10.00	0.10	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11770		<5	<.2	6	<2	22	<1	1440	71	<.2	<5	<5	<5	4.69	694	<10	2	1347	29	<20	<20	<1	0.58	>10.00	0.09	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11771		<5	<.2	<1	<2	19	<1	1683	80	<.2	<5	<5	<5	4.77	682	<10	3	133	4	<20	<20	<1	0.05	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11772		<5	<.2	11	<2	20	<1	1737	85	<.2	<5	<5	<5	4.61	706	<10	5	646	7	<20	<20	<1	0.11	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11773		<5	<.2	7	<2	22	<1	1517	72	<.2	<5	<5	<5	4.68	712	<10	4	1402	31	<20	<20	<1	0.60	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11774		<5	<.2	5	<2	17	<1	1486	74	<.2	<5	<5	<5	4.94	757	<10	4	1247	29	<20	<20	<1	0.53	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11775		<5	<.2	11	<2	19	<1	1496	76	<.2	<5	<5	<5	4.92	738	<10	3	1419	29	<20	<20	<1	0.59	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11776		<5	<.2	4	<2	15	<1	1379	67	<.2	<5	<5	<5	5.02	609	<10	5	1384	31	<20	<20	<1	0.55	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11777		<5	<.2	3	<2	16	<1	1398	72	<.2	<5	<5	<5	4.59	779	<10	2	1190	24	<20	<20	<1	0.50	>10.00	0.07	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	<1
11778		<5	<.2	27	<2	15	<1	1221	60	<.2	<5	<5	<5	4.66	467	<10	2	1299	31	<20	<20	<1	0.66	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11779		<5	<.2	10	<2	19	<1	1464	79	<.2	<5	<5	<5	4.85	796	<10	3	1317	26	<20	<20	<1	0.52	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11780		<5	<.2	7	<2	16	<1	1752	85	<.2	<5	<5	<5	4.31	742	<10	1	322	2	<20	<20	<1	0.06	>10.00	<.01	<.01	<.01	<1	<1	<2	2	<1	<5	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01629.0 (COMPLETE)
DATE RECEIVED: 10-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 2 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
11781		<5	<.2	9	<2	18	<1	1699	83	<.2	<5	<5	<5	5.09	860	<10	2	1179	21	<20	<20	<1	0.39	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	<1	6	<10	<.01	<1
11782		<5	<.2	17	<2	19	<1	1497	65	<.2	<5	<5	<5	4.73	526	<10	3	1310	34	<20	<20	<1	0.69	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11783		<5	<.2	<1	<2	18	<1	1670	80	<.2	<5	76	<5	4.91	717	<10	3	212	5	<20	<20	<1	0.06	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11784		<5	<.2	48	<2	40	<1	29	21	<.2	<5	<5	<5	4.36	465	<10	30	61	155	<20	<20	<1	2.25	1.65	1.63	0.32	0.08	9	9	<2	20	<1	10	<10	0.22	6
11785		<5	<.2	6	<2	18	<1	1401	70	<.2	<5	<5	<5	4.70	793	<10	4	1234	29	<20	<20	<1	0.53	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11786		<5	<.2	45	<2	35	<1	32	19	<.2	<5	<5	<5	3.77	454	<10	11	41	138	<20	<20	<1	2.09	1.70	1.56	0.27	0.05	18	10	<2	12	<1	10	<10	0.21	7
11787		<5	<.2	<1	<2	14	<1	1533	75	<.2	<5	16	<5	4.16	638	<10	4	980	9	<20	<20	<1	0.12	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11788		<5	<.2	<1	<2	17	<1	1642	81	<.2	<5	<5	<5	4.94	796	<10	3	554	7	<20	<20	<1	0.07	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11789		<5	<.2	3	<2	20	<1	1667	85	<.2	<5	<5	<5	4.94	846	<10	3	447	6	<20	<20	<1	0.06	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	<1	5	<10	<.01	<1
11790		27	<.2	10	<2	19	<1	1542	76	<.2	<5	<5	<5	4.65	715	<10	2	986	17	<20	<20	<1	0.41	>10.00	0.09	<.01	<.01	<1	<1	<2	1	<1	5	<10	<.01	<1
11791		<5	<.2	<1	<2	21	<1	1382	73	<.2	<5	<5	<5	4.71	835	<10	2	1202	25	<20	<20	<1	0.50	>10.00	0.08	<.01	<.01	<1	<1	<2	<1	<1	6	<10	<.01	<1
11792		<5	<.2	1	<2	20	<1	1836	87	<.2	<5	<5	<5	5.31	761	<10	3	130	4	<20	<20	<1	0.09	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11793		<5	<.2	12	<2	12	<1	1567	77	<.2	<5	<5	<5	4.78	690	<10	2	293	9	<20	<20	<1	0.24	>10.00	0.02	<.01	<.01	<1	<1	<2	1	<1	<5	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01629.0 (COMPLETE)
DATE RECEIVED: 10-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 3 OF 4

STANDARD NAME	ELEMENT UNITS	Wet Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
Gannet Standard		447	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		447	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 4		-	0.7	276	31	217	3	37	8	0.9	<5	25	<5	2.76	557	<10	59	78	7	<20	<20	2	0.79	1.20	1.37	0.05	0.14	36	3	2	6	1	<5	<10	<.01	10
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.7	276	31	217	3	37	8	0.9	3	25	3	2.76	557	5	59	78	7	10	10	2	0.79	1.20	1.37	0.05	0.14	36	3	2	6	1	3	5	.005	10
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	1.6	290	33	255	4	42	9	0.8	1	30	1	2.60	600	0.1	55	104	9	5	1	4	0.77	1.34	1.43	0.04	0.14	39	4	2	7	1	12	1	0.01	8
ANALYTICAL BLANK		<5	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<0.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
ANALYTICAL BLANK		-	<.2	<1	2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<0.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses		1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		3	0.1	0.5	2	0.5	0.5	0.5	0.5	0.1	3	3	3	.005	0.5	5	0.5	0.5	0.5	10	10	0.5	.005	0.005	.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5
Standard Deviation		-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<.01	<.0001	<.01	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01
BCC GEOCHEM STD 6		-	<.2	131	14	122	2	127	29	<.2	<5	127	<5	6.94	1343	<10	7	166	44	<20	<20	<1	1.82	2.56	3.50	0.01	0.04	77	3	5	20	1	8	<10	<.01	5
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	131	14	122	2	127	29	0.1	3	127	3	6.94	1343	5	7	166	44	10	10	0.5	1.82	2.56	3.50	0.01	0.04	77	3	5	20	1	8	5	.005	5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.2	140	18	140	4	135	35	0.2	1	145	1	6.50	1450	-	6	170	50	5	12	-	1.80	2.70	4.00	0.01	0.04	70	3	-	24	2	6	1	.003	5

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION

PROJECT: MT SIDNEY

REPORT: V97-01629.0 (COMPLETE)

DATE RECEIVED: 10-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 4 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Wet Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
11759		<5	<.2	11	<2	12	<1	1521	75	<.2	<5	8	<5	4.69	644	<10	3	716	22	<20	<20	<1	0.40	>10.00	0.23	<.01	<.01	<1	<1	<2	1	<1	8	<10	<.01	<1
Duplicate		<5	<.2	9	<2	12	<1	1525	75	<.2	<5	8	<5	4.74	649	<10	3	719	22	<20	<20	<1	0.40	>10.00	0.23	<.01	<.01	1	<1	<2	1	<1	8	<10	<.01	<1
11777		<5	<.2	3	<2	16	<1	1398	72	<.2	<5	<5	<5	4.59	779	<10	2	1190	24	<20	<20	<1	0.50	>10.00	0.07	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	<1
Duplicate			<.2	3	<2	16	<1	1400	73	<.2	<5	<5	<5	4.65	788	<10	2	1176	24	<20	<20	<1	0.50	>10.00	0.07	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	<1
11783		<5	<.2	<1	<2	18	<1	1670	80	<.2	<5	76	<5	4.91	717	<10	3	212	5	<20	<20	<1	0.06	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Duplicate		<5																																		

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V97-01632.0 (COMPLETE)

REFERENCE: MT SIDNEY WILLIAMS

CLIENT: FIRST POINT MINERALS CORPORATION

SUBMITTED BY: U. MOWAT

PROJECT: MT SIDNEY

DATE RECEIVED: 10-JUL-97 DATE PRINTED: 12-NOV-97

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
970723 1	Wet Au Partial Ext. Gold	47	5 PPB	ASH/AQ REG/DIBK	ATOMIC ABSORPTION
970723 2	Ag Silver	47	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 3	Cu Copper	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 4	Pb Lead	47	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 5	Zn Zinc	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 6	Mo Molybdenum	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 7	Ni Nickel	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 8	Co Cobalt	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 9	Cd Cadmium	47	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 10	Bi Bismuth	47	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 11	As Arsenic	47	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 12	Sb Antimony	47	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 13	Fe Iron	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 14	Mn Manganese	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 15	Te Tellurium	47	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 16	Ba Barium	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 17	Cr Chromium	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 18	V Vanadium	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 19	Sn Tin	47	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 20	W Tungsten	47	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 21	La Lanthanum	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 22	Al Aluminum	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 23	Mg Magnesium	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 24	Ca Calcium	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 25	Na Sodium	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 26	K Potassium	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 27	Sr Strontium	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 28	Y Yttrium	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 29	Ga Gallium	47	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 30	Li Lithium	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 31	Nb Niobium	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 32	Sc Scandium	47	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 33	Ta Tantalum	47	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 34	Ti Titanium	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970723 35	Zr Zirconium	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	47	2 -150	47	CRUSH/SPLIT & PULV.	47
				OVERWEIGHT/KG	153

REPORT COPIES TO: MR. PETER BRADSHAW

INVOICE TO: MR. PETER BRADSHAW

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01632.0 (COMPLETE)
DATE RECEIVED: 10-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 1 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
142551		12	<.2	8	8	15	<1	1176	51	<.2	<5	<5	<5	3.31	557	<10	8	301	9	<20	<20	<1	0.06	>10.00	0.12	0.01	<.01	2	<1	<2	1	12	<5	<10	<.01	<1
142552		48	<.2	9	5	11	<1	1350	53	<.2	<5	21	<5	3.85	608	<10	8	422	12	<20	<20	<1	0.06	>10.00	0.11	<.01	<.01	1	<1	<2	2	11	<5	<10	<.01	<1
142553		11	<.2	11	6	23	<1	1584	75	<.2	<5	<5	<5	4.55	702	<10	<1	1011	18	<20	<20	<1	0.22	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	13	8	<10	<.01	<1
142554		<5	<.2	12	6	29	<1	1710	77	<.2	<5	5	<5	5.31	706	<10	2	944	19	<20	<20	<1	0.24	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	14	8	<10	<.01	<1
142555		11	<.2	14	5	28	<1	1739	83	<.2	<5	22	<5	4.80	687	<10	1	1091	20	<20	<20	<1	0.29	>10.00	0.06	<.01	<.01	<1	<1	<2	<1	15	8	<10	<.01	<1
142556		1006	0.4	6	7	9	<1	1142	51	<.2	<5	597	18	4.03	807	<10	6	471	15	<20	<20	<1	0.08	>10.00	0.28	<.01	0.01	6	<1	<2	<1	12	6	<10	<.01	<1
142557		307	<.2	7	5	10	<1	969	49	<.2	<5	648	14	4.14	520	<10	4	674	19	<20	<20	<1	0.23	>10.00	0.21	<.01	0.01	4	<1	<2	3	10	6	<10	<.01	<1
142558		<5	<.2	6	5	36	<1	1367	75	<.2	<5	10	<5	4.42	833	<10	2	1073	22	<20	<20	<1	0.30	>10.00	0.46	<.01	<.01	<1	<1	<2	1	14	8	<10	<.01	<1
142559		<5	<.2	9	8	31	<1	1764	76	<.2	<5	<5	<5	5.01	900	<10	<1	1076	20	<20	<20	<1	0.36	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	14	8	<10	<.01	<1
142560		8	<.2	5	5	25	<1	1643	78	<.2	<5	<5	<5	4.82	826	<10	1	1075	22	<20	<20	<1	0.41	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	11	6	<10	<.01	<1
142561		<5	<.2	8	5	25	<1	1454	62	<.2	<5	<5	<5	4.28	643	<10	<1	905	22	<20	<20	<1	0.39	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	12	6	<10	<.01	<1
142562		<5	<.2	13	5	20	<1	1478	74	<.2	<5	<5	<5	4.51	800	<10	6	300	9	<20	<20	<1	0.23	>10.00	0.05	<.01	<.01	<1	<1	<2	1	14	<5	<10	<.01	<1
142563		6	<.2	13	16	30	<1	1311	66	<.2	<5	<5	<5	4.19	651	<10	4	316	11	<20	<20	<1	0.25	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	12	<5	<10	<.01	<1
142564		<5	<.2	1	6	28	<1	2308	79	<.2	<5	<5	<5	4.04	577	<10	<1	75	2	<20	<20	<1	0.01	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	18	<5	<10	<.01	<1
142565		<5	<.2	16	5	23	<1	1633	80	<.2	<5	<5	<5	5.13	643	<10	<1	989	10	<20	<20	<1	0.15	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	14	<5	<10	<.01	<1
142566		<5	<.2	6	7	25	<1	2353	78	<.2	<5	<5	<5	4.40	670	<10	<1	94	1	<20	<20	<1	0.01	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	13	<5	<10	<.01	<1
142567		<5	<.2	12	4	32	<1	1476	69	<.2	<5	<5	<5	4.45	655	<10	3	306	10	<20	<20	<1	0.27	>10.00	0.06	<.01	<.01	<1	<1	<2	<1	13	<5	<10	<.01	<1
142568		<5	<.2	9	5	20	<1	1555	73	<.2	<5	<5	<5	4.58	633	<10	<1	190	6	<20	<20	<1	0.12	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	12	<5	<10	<.01	<1
142569		<5	<.2	9	5	21	<1	1555	70	<.2	<5	<5	<5	4.42	612	<10	<1	203	6	<20	<20	<1	0.12	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	14	<5	<10	<.01	<1
142570		6	<.2	11	6	23	<1	1436	66	<.2	<5	15	<5	5.51	652	<10	2	1238	31	<20	<20	<1	0.57	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	11	9	<10	<.01	<1
142571		6	<.2	18	4	33	<1	1540	66	<.2	<5	<5	<5	3.93	672	<10	4	1296	27	<20	<20	<1	0.46	>10.00	0.18	<.01	<.01	<1	<1	<2	<1	12	9	<10	<.01	<1
142572		718	<.2	5	5	12	<1	874	46	<.2	<5	1023	17	3.65	514	<10	7	475	16	<20	<20	<1	0.14	>10.00	0.11	<.01	0.02	2	<1	<2	1	9	6	<10	<.01	<1
142573		6	<.2	25	7	29	1	1701	82	<.2	<5	<5	<5	4.77	812	<10	<1	974	35	<20	<20	<1	0.64	>10.00	0.18	<.01	<.01	<1	<1	<2	1	14	8	<10	<.01	<1
142574		<5	<.2	9	6	32	<1	1881	90	<.2	<5	<5	<5	4.89	977	<10	3	1209	23	<20	<20	<1	0.25	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	13	9	<10	<.01	<1
142575		2415	0.3	10	7	21	1	1147	61	<.2	<5	1056	8	3.60	711	<10	11	592	16	<20	<20	<1	0.15	>10.00	0.21	<.01	0.01	3	<1	<2	2	11	7	<10	<.01	<1
142576		<5	<.2	8	5	13	<1	832	58	<.2	<5	<5	<5	3.67	566	<10	4	730	21	<20	<20	<1	0.30	>10.00	0.56	<.01	<.01	1	<1	<2	2	11	6	<10	<.01	<1
142577		<5	<.2	20	5	9	1	1178	53	<.2	<5	44	<5	3.39	493	<10	5	383	12	<20	<20	<1	0.08	>10.00	0.22	<.01	<.01	3	<1	<2	1	12	5	<10	<.01	<1
142578		<5	<.2	4	6	11	<1	894	47	<.2	<5	5	<5	3.19	662	<10	7	445	11	<20	<20	<1	0.12	>10.00	0.04	<.01	<.01	<1	<1	<2	2	10	6	<10	<.01	<1
142579		<5	<.2	11	5	22	1	1727	94	<.2	<5	<5	<5	5.44	1176	<10	3	831	15	<20	<20	<1	0.13	>10.00	0.04	<.01	<.01	2	<1	<2	2	14	8	<10	<.01	<1
142580		<5	<.2	13	5	42	<1	1615	77	<.2	<5	<5	<5	4.26	770	<10	6	921	22	<20	<20	<1	0.26	>10.00	0.14	<.01	<.01	<1	<1	<2	<1	13	8	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01632.0 (COMPLETE)
DATE RECEIVED: 10-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 2 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
142581			<5	<.2	9	4	31	<1	1487	73	<.2	<5	<5	<5	3.49	646	<10	2	824	17	<20	<20	<1	0.23	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	12	7	<10	<.01	<1
142582			<5	<.2	7	4	28	<1	1284	61	<.2	<5	<5	<5	3.39	495	<10	2	924	24	<20	<20	<1	0.50	>10.00	0.08	<.01	<.01	<1	<1	<2	1	9	6	<10	<.01	<1
142583			<5	<.2	11	5	30	<1	1638	70	<.2	<5	<5	<5	3.87	787	<10	<1	848	18	<20	<20	<1	0.28	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	11	8	<10	<.01	<1
142584			<5	<.2	14	5	32	1	1844	79	<.2	<5	<5	<5	4.26	675	<10	3	1068	28	<20	<20	<1	0.37	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	14	9	<10	<.01	<1
142585			<5	<.2	8	4	14	<1	973	56	<.2	<5	<5	<5	3.34	700	<10	5	608	15	<20	<20	<1	0.13	>10.00	0.17	<.01	0.01	1	<1	<2	2	11	6	<10	<.01	<1
142586			45	<.2	4	5	9	<1	1238	59	<.2	<5	316	14	3.39	593	<10	7	354	14	<20	<20	<1	0.10	>10.00	0.08	<.01	<.01	2	<1	<2	<1	11	5	<10	<.01	<1
142587			<5	<.2	7	5	15	<1	1539	74	<.2	<5	<5	<5	3.92	660	<10	<1	747	14	<20	<20	<1	0.20	>10.00	0.11	<.01	<.01	<1	<1	<2	<1	12	7	<10	<.01	<1
142588			<5	<.2	2	5	10	<1	1120	64	<.2	<5	<5	<5	3.29	583	<10	5	704	14	<20	<20	<1	0.16	>10.00	0.08	<.01	<.01	1	<1	<2	1	11	7	<10	<.01	<1
142589			<5	<.2	12	5	25	<1	1253	68	<.2	<5	<5	<5	4.25	564	<10	10	841	22	<20	<20	<1	0.24	>10.00	0.06	<.01	<.01	2	<1	<2	<1	10	5	<10	<.01	<1
142590			<5	<.2	5	5	11	<1	1239	61	<.2	<5	<5	<5	3.54	741	<10	5	436	13	<20	<20	<1	0.07	>10.00	0.15	<.01	<.01	1	<1	<2	<1	12	6	<10	<.01	<1
142591			6	<.2	15	4	37	1	1859	84	<.2	<5	<5	<5	3.62	780	<10	3	971	16	<20	<20	<1	0.26	>10.00	0.06	<.01	<.01	<1	<1	<2	<1	14	6	<10	<.01	<1
142592			<5	<.2	12	5	30	<1	1927	86	<.2	<5	<5	<5	5.23	992	<10	2	1311	27	<20	<20	<1	0.39	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	13	7	<10	<.01	<1
142593			<5	<.2	12	5	19	1	1719	75	<.2	<5	<5	<5	5.09	817	<10	2	914	21	<20	<20	<1	0.20	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	14	8	<10	<.01	<1
142594			<5	<.2	3	5	19	1	1666	76	<.2	<5	<5	<5	4.39	646	<10	4	814	20	<20	<20	<1	0.24	>10.00	0.01	<.01	<.01	1	<1	<2	3	15	7	<10	<.01	<1
142595			<5	<.2	19	5	26	1	1722	79	<.2	<5	<5	<5	4.06	703	<10	3	1117	27	<20	<20	<1	0.31	>10.00	0.11	<.01	<.01	<1	<1	<2	<1	14	9	<10	<.01	<1
142596			<5	<.2	22	4	20	1	1969	90	<.2	<5	<5	<5	5.23	783	<10	2	1141	14	<20	<20	<1	0.11	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	13	7	<10	<.01	<1
142597			<5	<.2	7	5	18	<1	1330	58	<.2	<5	<5	<5	4.31	412	<10	<1	577	19	<20	<20	<1	0.19	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	8	7	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION — PROJECT: MT SIDNEY

REPORT: V97-01632.0 (COMPLETE) — DATE RECEIVED: 10-JUL-97 — DATE PRINTED: 12-NOV-97 — PAGE 4 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
142553		11	<.2	11	6	23	<1	1584	75	<.2	<5	<5	<5	4.55	702	<10	<1	1011	18	<20	<20	<1	0.22	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	13	8	<10	<.01	<1
Duplicate		9	<.2	14	6	25	<1	1763	79	<.2	<5	<5	<5	4.35	762	<10	<1	1026	20	<20	<20	<1	0.22	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	13	9	<10	<.01	<1
142570		6	<.2	11	6	23	<1	1436	66	<.2	<5	15	<5	5.51	652	<10	2	1238	31	<20	<20	<1	0.57	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	11	9	<10	<.01	<1
Duplicate			<.2	13	6	25	1	1576	72	<.2	<5	17	<5	5.18	708	<10	2	1252	34	<20	<20	<1	0.57	>10.00	0.05	<.01	<.01	1	<1	<2	<1	12	10	<10	<.01	<1
142576		<5	<.2	8	5	13	<1	832	58	<.2	<5	<5	<5	3.67	566	<10	4	730	21	<20	<20	<1	0.30	>10.00	0.56	<.01	<.01	1	<1	<2	2	11	6	<10	<.01	<1
Duplicate		<5																																		
142586		45	<.2	4	5	9	<1	1238	59	<.2	<5	316	14	3.39	593	<10	7	354	14	<20	<20	<1	0.10	>10.00	0.08	<.01	<.01	2	<1	<2	<1	11	5	<10	<.01	<1
Prep Duplicate		38	<.2	5	4	9	1	1242	58	<.2	<5	339	17	3.39	572	<10	7	350	14	<20	<20	<1	0.09	>10.00	0.08	<.01	<.01	2	<1	<2	<1	11	5	<10	<.01	<1
Prep Duplicate		38	<.2	5	4	9	1	1242	58	<.2	<5	339	17	3.39	572	<10	7	350	14	<20	<20	<1	0.09	>10.00	0.08	<.01	<.01	2	<1	<2	<1	11	5	<10	<.01	<1
Duplicate			<.2	5	5	9	<1	1245	59	<.2	<5	338	17	3.37	574	<10	7	346	14	<20	<20	<1	0.09	>10.00	0.08	<.01	<.01	2	<1	<2	<1	11	5	<10	<.01	<1
142596		<5	<.2	22	4	20	1	1969	90	<.2	<5	<5	<5	5.23	783	<10	2	1141	14	<20	<20	<1	0.11	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	13	7	<10	<.01	<1
Prep Duplicate		<5	<.2	22	6	20	1	1865	89	<.2	<5	<5	<5	5.09	751	<10	2	1097	14	<20	<20	<1	0.10	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	13	7	<10	<.01	<1
Prep Duplicate		<5	<.2	22	6	20	1	1865	89	<.2	<5	<5	<5	5.09	751	<10	2	1097	14	<20	<20	<1	0.10	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	13	7	<10	<.01	<1
Duplicate		<5																																		

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V97-01659.0 (COMPLETE)

REFERENCE: MT SIDNEY WILLIAMS

CLIENT: FIRST POINT MINERALS CORPORATION

SUBMITTED BY: U. MOWAT

PROJECT: MT SIDNEY

DATE RECEIVED: 14-JUL-97 DATE PRINTED: 12-NOV-97

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
970721 1	Wet Au Partial Ext. Gold	25	5 PPB	ASH/AQ REG/DIBK	ATOMIC ABSORPTION
970721 2	Ag Silver	25	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 3	Cu Copper	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 4	Pb Lead	25	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 5	Zn Zinc	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 6	Mo Molybdenum	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 7	Ni Nickel	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 8	Co Cobalt	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 9	Cd Cadmium	25	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 10	Bi Bismuth	25	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 11	As Arsenic	25	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 12	Sb Antimony	25	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 13	Fe Iron	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 14	Mn Manganese	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 15	Te Tellurium	25	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 16	Ba Barium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 17	Cr Chromium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 18	V Vanadium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 19	Sn Tin	25	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 20	W Tungsten	25	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 21	La Lanthanum	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 22	Al Aluminum	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 23	Mg Magnesium	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 24	Ca Calcium	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 25	Na Sodium	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 26	K Potassium	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 27	Sr Strontium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 28	Y Yttrium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 29	Ga Gallium	25	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 30	Li Lithium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 31	Nb Niobium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 32	Sc Scandium	25	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 33	Ta Tantalum	25	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 34	Ti Titanium	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721 35	Zr Zirconium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	25	2 -150	25	CRUSH/SPLIT & PULV.	25
				OVERWEIGHT/KG	89

REPORT COPIES TO: MR. PETER BRADSHAW

INVOICE TO: MR. PETER BRADSHAW

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION — PROJECT: MT SIDNEY

REPORT: V97-01659.0 (COMPLETE) — DATE RECEIVED: 14-JUL-97 — DATE PRINTED: 12-NOV-97 — PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Wet Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
11725		18	<.2	16	40	43	<1	1549	79	<.2	<5	<5	<5	5.36	879	<10	5	1216	24	56	<20	<1	0.44	>10.00	0.10	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	<1
11726		6	<.2	1	<2	26	<1	1862	79	<.2	<5	44	<5	4.90	716	<10	3	198	5	54	<20	<1	0.05	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11727		21	<.2	2	3	14	<1	1166	54	<.2	<5	140	11	3.66	587	<10	3	140	4	49	<20	<1	0.02	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11728		9	<.2	3	2	26	<1	1791	87	<.2	<5	<5	<5	5.32	795	<10	2	171	4	67	<20	<1	0.04	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11729		<5	<.2	16	<2	20	<1	1679	79	<.2	<5	<5	<5	4.97	686	<10	2	912	26	54	<20	<1	0.56	>10.00	0.11	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	<1
11730		<5	<.2	15	<2	21	<1	1667	83	<.2	<5	<5	<5	5.23	790	<10	3	717	24	58	<20	<1	0.53	>10.00	0.09	<.01	<.01	<1	<1	<2	2	<1	7	<10	<.01	<1
11731		18	<.2	13	3	12	<1	1117	56	<.2	<5	<5	<5	4.24	682	<10	2	694	25	44	<20	<1	0.41	>10.00	0.58	<.01	<.01	<1	<1	<2	2	<1	8	<10	<.01	<1
11732		21	<.2	7	<2	30	<1	1618	81	<.2	<5	21	<5	5.41	510	<10	1	1509	33	66	<20	<1	0.42	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	<1	10	<10	<.01	<1
11733		9	<.2	15	<2	27	<1	1619	76	<.2	<5	5	<5	5.13	598	<10	3	1443	32	60	<20	<1	0.54	>10.00	0.10	<.01	<.01	<1	<1	<2	<1	<1	9	<10	<.01	<1
11734		<5	<.2	12	<2	24	<1	1609	79	<.2	<5	<5	<5	4.97	721	<10	3	598	15	53	<20	<1	0.27	>10.00	0.06	0.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11735		<5	<.2	10	<2	17	<1	1417	68	<.2	<5	7	<5	4.32	622	<10	13	1227	27	45	<20	<1	0.57	>10.00	0.14	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11736		<5	<.2	13	<2	29	<1	1700	82	<.2	<5	<5	<5	5.33	859	<10	2	1334	24	61	<20	<1	0.38	>10.00	0.09	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	<1
11737		<5	<.2	3	<2	25	<1	1647	79	<.2	<5	<5	<5	5.47	763	<10	4	1116	20	58	<20	<1	0.31	>10.00	0.08	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11738		<5	<.2	9	3	22	<1	1561	74	<.2	<5	<5	<5	4.62	705	<10	3	861	20	57	<20	<1	0.31	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	<1	6	<10	<.01	<1
11739		<5	<.2	<1	<2	26	<1	2128	93	<.2	<5	<5	<5	4.59	723	<10	3	102	1	68	<20	<1	0.01	>10.00	<.01	<.01	<.01	<1	<1	<2	1	<1	<5	<10	<.01	<1
11740		<5	<.2	8	<2	22	<1	1826	81	<.2	<5	13	<5	5.41	737	<10	3	807	16	64	<20	<1	0.25	>10.00	0.06	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11741		6	<.2	4	<2	18	<1	1621	72	<.2	<5	93	<5	4.63	585	<10	4	710	17	50	<20	<1	0.22	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11742		<5	<.2	12	<2	22	<1	1638	75	<.2	<5	5	<5	4.86	584	<10	2	767	14	55	<20	<1	0.21	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11743		<5	<.2	9	<2	17	<1	1446	65	<.2	<5	60	<5	4.50	507	<10	3	683	15	48	<20	<1	0.23	>10.00	0.11	<.01	<.01	2	<1	<2	<1	<1	6	<10	<.01	<1
11744		24	<.2	3	<2	15	<1	1615	66	<.2	<5	15	<5	4.55	646	<10	2	694	17	54	<20	<1	0.21	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11745		<5	<.2	5	2	19	8	1619	63	<.2	<5	7	<5	4.39	440	<10	1	909	19	53	<20	<1	0.29	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11746		<5	<.2	20	<2	22	<1	1781	86	<.2	<5	<5	<5	4.60	836	<10	1	1227	22	61	<20	<1	0.20	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11747		<5	<.2	11	<2	60	<1	1647	78	<.2	<5	92	<5	5.17	621	<10	2	676	18	49	<20	<1	0.22	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	<1	8	<10	<.01	<1
11748		<5	<.2	10	<2	21	<1	1639	76	<.2	<5	<5	<5	5.04	734	<10	2	887	22	51	<20	<1	0.30	>10.00	0.12	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
11749		6	<.2	1	<2	21	<1	1517	78	<.2	<5	<5	<5	5.21	776	<10	2	674	15	61	<20	<1	0.21	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION — PROJECT: MT SIDNEY

REPORT: V97-01659.0 (COMPLETE) — DATE RECEIVED: 14-JUL-97 — DATE PRINTED: 12-NOV-97 — PAGE 2 OF 3

STANDARD NAME	ELEMENT Wet Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
Gannet Standard	419	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value	419	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 4	-	0.7	288	32	211	3	42	9	1.0	<5	29	<5	2.79	585	<10	58	76	7	<20	<20	3	0.78	1.17	1.33	0.06	0.14	38	3	<2	7	<1	<5	<10	<.01	10
Number of Analyses	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	0.7	288	32	211	3	42	9	1.0	3	29	3	2.79	585	5	58	76	7	10	10	3	0.78	1.17	1.33	0.06	0.14	38	3	1	7	0.5	3	5	.005	10
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	1.6	290	33	255	4	42	9	0.8	1	30	1	2.60	600	0.1	55	104	9	5	1	4	0.77	1.34	1.43	0.04	0.14	39	4	2	7	1	12	1	0.01	8
BCC GEOCHEM STD 5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	8	0.7	90	11	80	2	40	18	0.1	1	8	1	4.74	720	0.2	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	39	9	4	-	1	18	1	-	9
ANALYTICAL BLANK	-	<.2	<1	<2	<1	<1	1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	1	<1	<20	<20	<1	<.01	<0.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	0.1	0.5	1	0.5	0.5	1	0.5	0.1	3	3	3	.005	0.5	5	0.5	1	0.5	10	10	0.5	.005	0.005	.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	1	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<.01	<.0001	<.01	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION PROJECT: MT SIDNEY

REPORT: V97-01659.0 (COMPLETE) DATE RECEIVED: 14-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
11734		<5	<.2	12	<2	24	<1	1609	79	<.2	<5	<5	<5	4.97	721	<10	3	598	15	53	<20	<1	0.27	>10.00	0.06	0.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Duplicate		6	<.2	11	<2	24	<1	1565	75	<.2	<5	<5	<5	4.85	695	<10	3	592	14	53	<20	<1	0.27	>10.00	0.06	0.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
11741		6	<.2	4	<2	18	<1	1621	72	<.2	<5	93	<5	4.63	585	<10	4	710	17	50	<20	<1	0.22	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1
Prep Duplicate		<5	<.2	3	<2	18	<1	1611	71	<.2	<5	91	<5	4.50	580	<10	3	701	16	44	<20	<1	0.21	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	<1	7	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V97-01665.0 (COMPLETE)

REFERENCE: MT SIDNEY WILLIAMS

CLIENT: FIRST POINT MINERALS CORPORATION

SUBMITTED BY: U. MOWAT

PROJECT: MT SIDNEY

DATE RECEIVED: 14-JUL-97 DATE PRINTED: 12-NOV-97

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
970721	1 Wet Au Partial Ext. Gold	19	5 PPB	ASH/AQ REG/DIBK	ATOMIC ABSORPTION
970721	2 Ag Silver	19	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	3 Cu Copper	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	4 Pb Lead	19	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	5 Zn Zinc	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	6 Mo Molybdenum	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	7 Ni Nickel	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	8 Co Cobalt	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	9 Cd Cadmium	19	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	10 Bi Bismuth	19	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	11 As Arsenic	19	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	12 Sb Antimony	19	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	13 Fe Iron	19	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	14 Mn Manganese	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	15 Te Tellurium	19	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	16 Ba Barium	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	17 Cr Chromium	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	18 V Vanadium	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	19 Sn Tin	19	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	20 W Tungsten	19	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	21 La Lanthanum	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	22 Al Aluminum	19	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	23 Mg Magnesium	19	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	24 Ca Calcium	19	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	25 Na Sodium	19	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	26 K Potassium	19	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	27 Sr Strontium	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	28 Y Yttrium	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	29 Ga Gallium	19	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	30 Li Lithium	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	31 Nb Niobium	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	32 Sc Scandium	19	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	33 Ta Tantalum	19	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	34 Ti Titanium	19	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970721	35 Zr Zirconium	19	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	19	2 -150	19	CRUSH/SPLIT & PULV.	19
				OVERWEIGHT/KG	268

REPORT COPIES TO: MR. PETER BRADSHAW

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Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01665.0 (COMPLETE)
DATE RECEIVED: 14-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT Wet Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
142629	<5	<.2	5	18	38	2	1542	99	<.2	<5	<5	<5	6.06	1043	<10	11	971	17	<20	<20	<1	0.21	>10.00	0.09	<.01	<.01	<1	<1	<2	<1	8	7	<10	<.01	<1
142630	<5	0.2	3	6	63	<1	1683	84	<.2	<5	<5	<5	5.23	876	<10	5	574	9	<20	<20	<1	0.14	>10.00	0.10	<.01	<.01	<1	<1	<2	<1	8	6	<10	<.01	<1
142631	<5	<.2	13	4	27	<1	1697	76	<.2	<5	<5	<5	5.26	683	<10	2	305	7	<20	<20	<1	0.14	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	8	<5	<10	<.01	<1
142632	<5	<.2	23	3	23	<1	1772	78	<.2	<5	<5	<5	5.24	731	<10	3	657	17	<20	<20	<1	0.31	>10.00	0.07	<.01	<.01	<1	<1	<2	1	7	8	<10	<.01	<1
142633	<5	<.2	15	3	30	<1	1694	76	<.2	<5	<5	<5	4.84	759	<10	3	824	15	<20	<20	<1	0.22	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
142634	<5	<.2	11	3	26	<1	1677	78	<.2	<5	<5	<5	5.44	742	<10	3	687	17	<20	<20	<1	0.30	>10.00	0.09	<.01	<.01	<1	<1	<2	<1	8	8	<10	<.01	<1
142635	<5	<.2	12	<2	27	<1	1750	77	<.2	<5	<5	<5	5.19	747	<10	3	833	17	<20	<20	<1	0.32	>10.00	0.09	<.01	<.01	<1	<1	<2	<1	8	7	<10	<.01	<1
142636	<5	<.2	7	2	30	<1	1735	78	<.2	<5	<5	<5	5.10	743	<10	2	796	14	<20	<20	<1	0.32	>10.00	0.10	<.01	<.01	<1	<1	<2	<1	8	6	<10	<.01	<1
142637	<5	<.2	12	<2	23	<1	1689	75	<.2	<5	<5	<5	5.00	692	<10	2	782	18	<20	<20	<1	0.37	>10.00	0.09	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
142638	<5	<.2	7	2	25	<1	1667	78	<.2	<5	<5	<5	5.19	678	<10	1	654	13	<20	<20	<1	0.32	>10.00	0.07	<.01	<.01	<1	<1	<2	2	8	5	<10	<.01	<1
142639	<5	<.2	11	<2	28	<1	1667	77	<.2	<5	<5	<5	5.11	729	<10	1	884	20	<20	<20	<1	0.39	>10.00	0.13	<.01	<.01	<1	<1	<2	<1	8	7	<10	<.01	<1
142640	<5	<.2	14	<2	23	<1	1667	68	<.2	<5	<5	<5	4.78	589	<10	2	1032	19	<20	<20	<1	0.51	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
142641	<5	<.2	15	3	27	<1	1707	80	<.2	<5	<5	<5	5.30	761	<10	1	1211	23	<20	<20	<1	0.46	>10.00	0.08	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
142642	<5	<.2	10	<2	24	<1	1606	61	<.2	<5	<5	<5	5.24	464	<10	<1	1137	28	<20	<20	<1	0.64	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	9	9	<10	<.01	<1
142643	<5	<.2	25	<2	32	<1	1534	71	<.2	<5	6	<5	5.58	621	<10	5	976	23	<20	<20	<1	0.45	>10.00	0.10	<.01	<.01	<1	<1	<2	<1	6	7	<10	<.01	<1
142644	<5	<.2	4	<2	20	<1	1528	63	<.2	<5	6	<5	5.01	554	<10	2	1126	26	<20	<20	<1	0.47	>10.00	0.68	<.01	<.01	3	<1	<2	<1	6	8	<10	<.01	<1
142645	<5	<.2	11	<2	26	<1	1606	69	<.2	<5	17	<5	4.96	369	<10	4	1223	26	<20	<20	<1	0.51	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
142646	5	<.2	13	<2	31	<1	1604	76	<.2	<5	<5	<5	5.34	707	<10	1	1058	20	<20	<20	<1	0.45	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
142647	<5	<.2	14	<2	26	<1	1693	77	<.2	<5	<5	<5	5.05	685	<10	2	1198	22	<20	<20	<1	0.47	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

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PROJECT: MT SIDNEY
REPORT: V97-01665.0 (COMPLETE)
DATE RECEIVED: 14-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Wet Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
Gannet Standard		375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 5		-	0.5	83	8	68	1	36	19	<.2	<5	9	<5	4.73	665	<10	175	46	112	<20	<20	6	3.10	1.77	0.97	0.05	0.24	36	7	3	25	4	11	<10	0.19	10
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.5	83	8	68	1	36	19	0.1	3	9	3	4.73	665	5	175	46	112	10	10	6	3.10	1.77	0.97	0.05	0.24	36	7	3	25	4	11	5	0.19	10
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		8	0.7	90	11	80	2	40	18	0.1	1	8	1	4.74	720	0.2	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	39	9	4	-	1	18	1	-	9
ANALYTICAL BLANK		-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<0.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	0.5	1	0.5	0.5	0.5	0.5	0.1	3	3	3	.005	0.5	5	0.5	0.5	0.5	10	10	0.5	.005	0.005	.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<.01	<.0001	<.01	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01

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Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01665.0 (COMPLETE)
DATE RECEIVED: 14-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
142634			<5	<.2	11	3	26	<1	1677	78	<.2	<5	<5	<5	5.44	742	<10	3	687	17	<20	<20	<1	0.30	>10.00	0.09	<.01	<.01	<1	<1	<2	<1	8	8	<10	<.01	<1
Duplicate			<5	<.2	11	3	26	<1	1708	79	<.2	<5	<5	<5	5.59	756	<10	3	693	17	<20	<20	<1	0.30	>10.00	0.08	<.01	<.01	<1	<1	<2	<1	9	8	<10	<.01	<1
142639			<5	<.2	11	<2	28	<1	1667	77	<.2	<5	<5	<5	5.11	729	<10	1	884	20	<20	<20	<1	0.39	>10.00	0.13	<.01	<.01	<1	<1	<2	<1	8	7	<10	<.01	<1
Prep Duplicate			<5	<.2	11	<2	24	<1	1656	75	<.2	<5	<5	<5	5.03	711	<10	<1	866	19	<20	<20	<1	0.38	>10.00	0.12	<.01	<.01	<1	<1	<2	<1	7	7	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V97-01667.0 (COMPLETE)

REFERENCE: MT SIDNEY WILLIAMS

CLIENT: FIRST POINT MINERALS CORPORATION

SUBMITTED BY: U. MOWAT

PROJECT: MT SIDNEY

DATE RECEIVED: 14-JUL-97 DATE PRINTED: 12-NOV-97

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
970725	1 Wet Au Partial Ext. Gold	22	5 PPB	ASH/AQ REG/DIBK	ATOMIC ABSORPTION
970725	2 Ag Silver	22	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	3 Cu Copper	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	4 Pb Lead	22	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	5 Zn Zinc	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	6 Mo Molybdenum	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	7 Ni Nickel	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	8 Co Cobalt	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	9 Cd Cadmium	22	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	10 Bi Bismuth	22	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	11 As Arsenic	22	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	12 Sb Antimony	22	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	13 Fe Iron	22	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	14 Mn Manganese	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	15 Te Tellurium	22	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	16 Ba Barium	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	17 Cr Chromium	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	18 V Vanadium	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	19 Sn Tin	22	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	20 W Tungsten	22	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	21 La Lanthanum	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	22 Al Aluminum	22	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	23 Mg Magnesium	22	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	24 Ca Calcium	22	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	25 Na Sodium	22	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	26 K Potassium	22	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	27 Sr Strontium	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	28 Y Yttrium	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	29 Ga Gallium	22	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	30 Li Lithium	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	31 Nb Niobium	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	32 Sc Scandium	22	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	33 Ta Tantalum	22	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	34 Ti Titanium	22	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725	35 Zr Zirconium	22	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	22	2 -150	22	CRUSH/SPLIT & PULV.	22
				OVERWEIGHT/KG	121

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SAMPLE NUMBER	ELEMENT Wet	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
142648		<5	<.2	16	<2	29	1	2145	85	<.2	<5	<5	<5	4.85	750	<10	1	1361	25	<20	<20	<1	0.47	>10.00	0.11	<.01	<.01	<1	<1	<2	<1	15	8	<10	<.01	<1
142649		<5	<.2	17	<2	28	2	1781	84	<.2	<5	<5	<5	4.79	763	<10	2	1371	23	<20	<20	<1	0.45	>10.00	0.14	<.01	<.01	1	<1	<2	<1	16	8	<10	<.01	<1
142650		<5	<.2	9	<2	24	2	1732	79	<.2	<5	<5	<5	5.16	865	<10	1	1180	22	<20	<20	<1	0.38	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	16	7	<10	<.01	<1
142651		<5	<.2	14	<2	28	2	1812	93	<.2	<5	<5	<5	4.62	903	<10	3	1201	19	<20	<20	<1	0.37	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	15	8	<10	<.01	<1
142652		9	<.2	10	<2	34	2	1740	86	<.2	<5	<5	<5	5.20	884	<10	5	1295	23	<20	<20	<1	0.41	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	17	8	<10	<.01	<1
142653		<5	<.2	6	<2	33	2	1766	96	<.2	<5	<5	<5	5.68	953	<10	1	1264	20	<20	<20	<1	0.35	>10.00	0.09	<.01	<.01	<1	<1	<2	<1	17	7	<10	<.01	<1
142654		<5	<.2	5	<2	26	2	1701	80	<.2	<5	<5	<5	5.02	745	<10	<1	1341	26	<20	<20	<1	0.58	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	16	9	<10	<.01	<1
142655		<5	<.2	7	<2	29	2	1716	80	<.2	<5	<5	<5	5.10	853	<10	1	1361	27	<20	<20	<1	0.52	>10.00	0.08	<.01	<.01	<1	<1	<2	<1	15	8	<10	<.01	<1
142656		9	<.2	16	<2	22	1	1699	81	<.2	<5	<5	<5	5.01	790	<10	<1	945	24	<20	<20	<1	0.48	>10.00	0.08	<.01	<.01	<1	<1	<2	1	16	7	<10	<.01	<1
142657		<5	<.2	6	<2	25	2	1673	77	<.2	<5	<5	<5	5.03	586	<10	<1	1313	32	<20	<20	<1	0.64	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	15	9	<10	<.01	<1
142658		<5	<.2	42	<2	47	2	1736	71	<.2	<5	<5	<5	4.54	529	<10	1	1118	25	<20	<20	<1	0.47	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	13	8	<10	<.01	<1
142659		<5	<.2	6	<2	21	1	1860	82	<.2	<5	<5	<5	4.67	758	<10	<1	121	2	<20	<20	<1	0.02	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	17	<5	<10	<.01	<1
142660		<5	<.2	16	<2	30	2	1718	79	<.2	<5	<5	<5	4.71	750	<10	<1	974	15	<20	<20	<1	0.33	>10.00	0.09	<.01	<.01	<1	<1	<2	1	17	6	<10	<.01	<1
142661		<5	<.2	13	<2	21	2	1681	78	<.2	<5	<5	<5	4.74	677	<10	<1	212	6	<20	<20	<1	0.11	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	16	<5	<10	<.01	<1
142662		6	<.2	10	<2	23	<1	1026	47	<.2	<5	<5	9	4.50	492	<10	2	1137	28	<20	<20	<1	0.54	>10.00	0.14	<.01	<.01	<1	<1	<2	2	8	6	<10	<.01	1
142663		<5	<.2	12	<2	14	1	1558	76	<.2	<5	19	<5	5.04	570	<10	4	1287	28	<20	<20	<1	0.56	>10.00	0.04	<.01	<.01	1	<1	<2	3	13	7	<10	<.01	<1
142664		<5	<.2	10	<2	20	1	1453	76	<.2	<5	10	<5	5.24	743	<10	3	1394	34	<20	<20	<1	0.63	>10.00	0.39	<.01	<.01	1	<1	<2	2	14	10	<10	<.01	<1
142665		<5	<.2	36	<2	17	2	1480	73	<.2	<5	<5	<5	5.51	785	<10	<1	1285	30	<20	<20	<1	0.53	>10.00	0.03	<.01	<.01	1	<1	<2	<1	13	9	<10	<.01	<1
142666		<5	<.2	31	<2	43	1	1480	72	<.2	<5	<5	<5	5.14	723	<10	7	1366	30	<20	<20	<1	0.54	>10.00	0.61	<.01	<.01	1	<1	<2	<1	15	9	<10	<.01	<1
142667		<5	<.2	8	<2	13	1	1374	63	<.2	<5	33	<5	4.39	429	<10	4	619	17	<20	<20	<1	0.25	>10.00	0.04	<.01	<.01	2	<1	<2	3	13	6	<10	<.01	<1
142668		<5	<.2	53	<2	38	<1	179	21	<.2	<5	7	<5	2.90	696	<10	188	178	39	<20	<20	3	1.65	2.34	1.06	0.02	0.42	17	7	<2	14	6	<5	<10	0.36	6
142669		<5	<.2	80	<2	39	<1	67	21	<.2	<5	<5	<5	3.78	608	<10	42	142	60	<20	<20	<1	2.28	2.01	0.87	0.05	0.06	7	5	<2	15	3	6	<10	0.26	3

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01667.0 (COMPLETE)
DATE RECEIVED: 14-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Wet Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
BCC GEOCHEM STD 6		-	0.5	131	14	129	3	127	29	0.3	<5	136	<5	7.14	1348	<10	5	175	45	<20	<20	3	1.85	2.71	3.65	0.01	0.04	79	3	<2	20	4	8	<10	<.01	7
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.5	131	14	129	3	127	29	0.3	3	136	3	7.14	1348	5	5	175	45	10	10	3	1.85	2.71	3.65	0.01	0.04	79	3	1	20	4	8	5	.005	7
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.2	140	18	140	4	135	35	0.2	1	145	1	6.50	1450	-	6	170	50	5	12	-	1.80	2.70	4.00	0.01	0.04	70	3	-	24	2	6	1	.003	5
Gannet Standard		195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<0.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	0.5	1	0.5	0.5	0.5	0.5	0.1	3	3	3	.005	0.5	5	0.5	0.5	0.5	10	10	0.5	.005	0.005	.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<.01	<.0001	<.01	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION

PROJECT: MT SIDNEY

REPORT: V97-01667.0 (COMPLETE)

DATE RECEIVED: 14-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
142655			<5	<.2	7	<2	29	2	1716	80	<.2	<5	<5	<5	5.10	853	<10	1	1361	27	<20	<20	<1	0.52	>10.00	0.08	<.01	<.01	<1	<1	<2	<1	15	8	<10	<.01	<1
Duplicate			6	<.2	6	<2	28	1	1619	75	<.2	<5	<5	<5	4.85	810	<10	1	1310	26	<20	<20	<1	0.51	>10.00	0.08	<.01	<.01	<1	<1	<2	<1	14	8	<10	<.01	<1
142662			6	<.2	10	<2	23	<1	1026	47	<.2	<5	<5	9	4.50	492	<10	2	1137	28	<20	<20	<1	0.54	>10.00	0.14	<.01	<.01	<1	<1	<2	2	8	6	<10	<.01	1
Prep Duplicate			<5	<.2		<2		<1	970	47	<.2	<5	<5	9	4.17	466	<10	4	1073	28	<20	<20	<1	0.51	>10.00	0.13	<.01	<.01	<1	<1	<2	2	7	6	<10	<.01	1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V97-01671.0 (COMPLETE)

REFERENCE: MT SIDNEY WILLIAMS

CLIENT: FIRST POINT MINERALS CORPORATION

PROJECT: MT SIDNEY

SUBMITTED BY: U. MOWAT

DATE RECEIVED: 14-JUL-97 DATE PRINTED: 13-NOV-97

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
970727	1 Wet Au	Partial Ext. Gold	50	5 PPB	ASH/AQ REG/DIBK	ATOMIC ABSORPTION
970727	2 Ag	Silver	50	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	3 Cu	Copper	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	4 Pb	Lead	50	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	5 Zn	Zinc	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	6 Mo	Molybdenum	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	7 Ni	Nickel	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	8 Co	Cobalt	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	9 Cd	Cadmium	50	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	10 Bi	Bismuth	50	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	11 As	Arsenic	50	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	12 Sb	Antimony	50	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	13 Fe	Iron	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	14 Mn	Manganese	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	15 Te	Tellurium	50	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	16 Ba	Barium	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	17 Cr	Chromium	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	18 V	Vanadium	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	19 Sn	Tin	50	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	20 W	Tungsten	50	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	21 La	Lanthanum	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	22 Al	Aluminum	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	23 Mg	Magnesium	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	24 Ca	Calcium	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	25 Na	Sodium	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	26 K	Potassium	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	27 Sr	Strontium	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	28 Y	Yttrium	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	29 Ga	Gallium	50	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	30 Li	Lithium	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	31 Nb	Niobium	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	32 Sc	Scandium	50	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	33 Ta	Tantalum	50	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	34 Ti	Titanium	50	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970727	35 Zr	Zirconium	50	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	50	2 -150	50	CRUSH/SPLIT & PULV.	50
				OVERWEIGHT/KG	230

REPORT COPIES TO: MR. PETER BRADSHAW

INVOICE TO: MR. PETER BRADSHAW

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01671.0 (COMPLETE)
DATE RECEIVED: 14-JUL-97 DATE PRINTED: 13-NOV-97 PAGE 1 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
11765			<5	<.2	11	<2	31	<1	1406	73	<.2	<5	<5	9	4.51	600	<10	<1	1318	30	<20	<20	<1	0.53	>10.00	0.08	<.01	<.01	<1	<1	<2	1	8	9	<10	<.01	2
11794			<5	<.2	25	<2	32	<1	1271	63	<.2	<5	<5	10	4.22	682	<10	<1	1345	41	<20	<20	<1	0.79	>10.00	0.28	<.01	<.01	<1	<1	<2	4	<1	7	<10	<.01	1
11795			<5	<.2	3	<2	34	<1	1380	68	<.2	<5	<5	10	4.33	648	<10	<1	1188	23	<20	<20	<1	0.55	>10.00	0.08	<.01	<.01	<1	<1	<2	3	<1	6	<10	<.01	1
11796			<5	<.2	7	<2	33	<1	1425	74	<.2	<5	<5	9	4.73	757	<10	<1	1255	23	<20	<20	<1	0.44	>10.00	0.10	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
11797			<5	<.2	7	<2	30	<1	1376	71	<.2	<5	<5	9	4.75	691	<10	<1	1336	29	<20	<20	<1	0.46	>10.00	0.14	<.01	<.01	<1	<1	<2	3	<1	8	<10	<.01	1
11798			6	<.2	<1	<2	32	<1	1359	69	<.2	<5	<5	8	4.29	748	<10	<1	1169	21	<20	<20	<1	0.47	>10.00	0.12	<.01	<.01	<1	<1	<2	3	<1	6	<10	<.01	1
11799			<5	<.2	5	<2	24	<1	1338	60	<.2	<5	<5	8	3.67	521	<10	<1	1107	20	<20	<20	<1	0.43	>10.00	0.10	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
11800			6	<.2	14	<2	27	<1	1292	60	<.2	<5	<5	10	4.59	440	<10	<1	1240	28	<20	<20	<1	0.69	>10.00	0.03	<.01	<.01	<1	<1	<2	2	<1	7	<10	<.01	1
11801			9	<.2	9	<2	33	<1	1459	72	<.2	<5	<5	9	4.51	750	<10	<1	1251	22	<20	<20	<1	0.51	>10.00	0.09	<.01	<.01	<1	<1	<2	3	<1	6	<10	<.01	1
11802			<5	<.2	8	<2	34	<1	1577	82	<.2	<5	<5	10	5.32	833	<10	<1	1211	19	<20	<20	<1	0.44	>10.00	0.03	<.01	<.01	<1	<1	<2	3	<1	7	<10	<.01	1
11803			6	<.2	9	<2	31	<1	1429	67	<.2	<5	<5	9	4.32	594	<10	<1	1228	25	<20	<20	<1	0.50	>10.00	0.04	<.01	<.01	<1	<1	<2	2	<1	7	<10	<.01	1
11804			<5	<.2	5	<2	32	<1	1613	78	<.2	<5	<5	<5	4.88	673	<10	<1	547	4	<20	<20	<1	0.03	>10.00	<.01	<.01	<.01	<1	<1	<2	2	<1	<5	<10	<.01	1
11805			6	<.2	9	<2	31	<1	1460	71	<.2	<5	<5	9	4.47	642	<10	<1	1092	26	<20	<20	<1	0.62	>10.00	0.12	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
11806			6	<.2	14	<2	33	<1	1557	76	<.2	<5	<5	7	4.83	728	<10	<1	1021	23	<20	<20	<1	0.57	>10.00	0.10	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
11807			45	<.2	13	<2	14	<1	816	48	<.2	<5	131	118	3.46	618	<10	<1	561	9	<20	<20	<1	0.23	>10.00	0.05	<.01	<.01	<1	<1	<2	3	<1	<5	<10	<.01	<1
11808			6	<.2	10	<2	31	<1	1509	73	<.2	<5	<5	10	4.74	684	<10	<1	1172	23	<20	<20	<1	0.51	>10.00	0.11	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
11809			15	<.2	8	<2	26	<1	1347	67	<.2	<5	8	10	4.74	691	<10	<1	1169	25	<20	<20	<1	0.52	>10.00	0.05	<.01	<.01	<1	<1	<2	2	<1	7	<10	<.01	1
11810			<5	<.2	5	<2	31	<1	1359	71	<.2	<5	<5	9	4.92	811	<10	<1	1233	27	<20	<20	<1	0.63	>10.00	0.06	<.01	<.01	<1	<1	<2	2	<1	7	<10	<.01	1
11811			9	<.2	2	6	35	<1	1578	78	<.2	<5	<5	<5	5.25	651	<10	<1	100	<1	<20	<20	<1	<.01	>10.00	<.01	<.01	<.01	<1	<1	<2	1	<1	<5	<10	<.01	1
142598			6	<.2	9	<2	25	<1	1290	63	<.2	<5	15	7	4.50	496	<10	<1	868	19	<20	<20	<1	0.34	>10.00	0.24	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
142599			6	<.2	2	<2	15	<1	1254	57	<.2	<5	114	8	3.82	553	<10	7	448	12	<20	<20	<1	0.11	>10.00	0.05	<.01	0.03	<1	<1	<2	3	<1	<5	<10	<.01	1
142600			9	<.2	7	<2	17	<1	1079	55	<.2	<5	23	7	3.83	608	<10	8	705	20	<20	<20	<1	0.25	>10.00	0.51	0.01	0.02	3	<1	<2	6	<1	6	<10	<.01	1
142601			<5	<.2	9	<2	27	<1	1183	57	<.2	<5	<5	8	4.17	615	<10	<1	1118	24	<20	<20	<1	0.51	>10.00	0.08	<.01	<.01	<1	<1	<2	2	<1	<5	<10	<.01	1
142602			<5	<.2	20	<2	23	<1	1192	60	<.2	<5	<5	<5	3.88	494	<10	<1	478	17	<20	<20	<1	0.34	>10.00	0.26	<.01	<.01	<1	<1	<2	3	<1	<5	<10	0.03	1
142603			<5	<.2	7	<2	30	<1	1676	75	<.2	<5	15	8	4.41	707	<10	<1	1102	20	<20	<20	<1	0.43	>10.00	0.08	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
142604			<5	<.2	1	<2	28	<1	1520	72	<.2	<5	<5	9	5.26	612	<10	<1	1280	29	<20	<20	<1	0.54	>10.00	0.01	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	1
142605			<5	<.2	7	<2	28	<1	1492	73	<.2	<5	<5	10	5.16	759	<10	<1	1264	28	<20	<20	<1	0.54	>10.00	0.02	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	1
142606			<5	<.2	6	<2	28	<1	1426	76	<.2	<5	<5	12	5.21	799	<10	<1	1342	30	<20	<20	<1	0.55	>10.00	0.17	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	1
142607			<5	<.2	<1	<2	23	<1	1468	74	<.2	<5	<5	8	5.31	637	<10	<1	1076	23	<20	<20	<1	0.23	>10.00	0.31	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	1
142608			<5	<.2	16	<2	31	<1	1697	80	<.2	<5	<5	8	5.42	852	<10	<1	1108	21	<20	<20	<1	0.28	>10.00	0.01	<.01	<.01	<1	<1	<2	1	<1	6	<10	<.01	1

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01671.0 (COMPLETE)
DATE RECEIVED: 14-JUL-97 DATE PRINTED: 13-NOV-97 PAGE 2 OF 4

SAMPLE NUMBER	ELEMENT Wet	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
142609		<5	<.2	9	<2	27	<1	1670	76	<.2	<5	<5	6	4.10	752	<10	<1	861	16	<20	<20	<1	0.21	>10.00	0.03	<.01	<.01	<1	<1	<2	1	<1	7	<10	<.01	1
142610		<5	<.2	9	<2	26	<1	1578	74	<.2	<5	<5	<5	4.74	690	<10	<1	579	16	<20	<20	<1	0.23	>10.00	0.07	<.01	<.01	<1	<1	<2	2	<1	7	<10	<.01	1
142611		<5	<.2	3	<2	26	<1	1634	79	<.2	<5	<5	<5	4.71	672	<10	<1	361	9	<20	<20	<1	0.15	>10.00	0.04	<.01	<.01	<1	<1	<2	2	<1	5	<10	<.01	1
142612		<5	<.2	7	<2	33	<1	1578	78	<.2	<5	<5	<5	5.06	751	<10	<1	481	14	<20	<20	<1	0.17	>10.00	0.09	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
142613		<5	<.2	4	<2	27	<1	1543	77	<.2	<5	<5	<5	4.83	680	<10	<1	481	12	<20	<20	<1	0.17	>10.00	0.06	<.01	<.01	<1	<1	<2	3	<1	5	<10	<.01	1
142614		6	<.2	7	<2	26	<1	1470	76	<.2	<5	<5	<5	4.68	708	<10	<1	523	13	<20	<20	<1	0.21	>10.00	0.04	<.01	<.01	<1	<1	<2	2	<1	<5	<10	<.01	1
142615		<5	<.2	6	<2	31	<1	1703	80	<.2	<5	<5	<5	4.98	723	<10	<1	301	8	<20	<20	<1	0.13	>10.00	0.03	<.01	<.01	<1	<1	<2	2	<1	<5	<10	<.01	1
142616		<5	<.2	<1	<2	31	<1	1574	58	<.2	<5	<5	9	5.35	298	<10	5	1109	22	<20	<20	<1	0.79	>10.00	0.01	<.01	<.01	1	4	<2	2	<1	<5	<10	<.01	2
142617		<5	<.2	5	<2	32	<1	1668	80	<.2	<5	<5	<5	5.03	758	<10	<1	579	15	<20	<20	<1	0.20	>10.00	0.06	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
142618		9	<.2	11	<2	23	<1	1715	71	<.2	<5	<5	5	4.30	534	<10	<1	733	12	<20	<20	<1	0.29	>10.00	<.01	<.01	<.01	<1	<1	<2	1	<1	6	<10	<.01	1
142619		9	<.2	3	<2	27	<1	1631	80	<.2	<5	<5	<5	4.97	707	<10	<1	364	9	<20	<20	<1	0.18	>10.00	0.03	0.01	<.01	<1	<1	<2	2	<1	<5	<10	<.01	1
142620		6	<.2	<1	<2	36	<1	1503	76	<.2	<5	<5	6	4.66	744	<10	<1	806	16	<20	<20	<1	0.28	>10.00	0.05	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
142621		<5	<.2	21	<2	24	<1	1376	62	<.2	<5	18	10	4.52	468	<10	<1	1231	24	<20	<20	<1	0.46	>10.00	0.30	<.01	<.01	1	<1	<2	1	<1	7	<10	<.01	1
142622		6	<.2	7	<2	29	<1	1607	82	<.2	<5	<5	<5	5.09	801	<10	<1	312	3	<20	<20	<1	0.03	>10.00	<.01	<.01	<.01	<1	<1	<2	1	<1	<5	<10	<.01	1
142623		<5	<.2	6	<2	32	<1	1574	79	<.2	<5	<5	9	4.51	729	<10	<1	1156	20	<20	<20	<1	0.41	>10.00	0.05	<.01	<.01	<1	<1	<2	1	<1	6	<10	<.01	1
142624		<5	<.2	6	<2	32	<1	1506	80	<.2	<5	<5	7	5.20	920	<10	<1	1039	23	<20	<20	<1	0.39	>10.00	<.01	<.01	<.01	<1	<1	<2	1	<1	8	<10	<.01	1
142625		<5	<.2	4	<2	30	<1	1578	80	<.2	<5	<5	7	4.49	861	<10	<1	1003	18	<20	<20	<1	0.29	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	<1	6	<10	<.01	1
142626		6	<.2	15	<2	30	<1	1541	82	<.2	<5	<5	7	4.85	916	<10	<1	921	15	<20	<20	<1	0.30	>10.00	0.01	<.01	<.01	<1	<1	<2	1	<1	<5	<10	<.01	1
142627		<5	<.2	10	<2	28	<1	1493	75	<.2	<5	<5	5	4.71	711	<10	<1	604	16	<20	<20	<1	0.25	>10.00	0.03	<.01	<.01	<1	<1	<2	2	<1	5	<10	<.01	1
142628		<5	<.2	7	<2	32	<1	1570	76	<.2	<5	<5	8	4.56	751	<10	<1	1075	20	<20	<20	<1	0.36	>10.00	0.09	<.01	<.01	<1	<1	<2	1	<1	6	<10	<.01	1

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01671.0 (COMPLETE)
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STANDARD NAME	ELEMENT UNITS	Wet Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
Gannet Standard		394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 6		-	<.2	129	18	124	2	116	31	0.4	<5	122	<5	7.18	1346	<10	6	169	42	<20	<20	2	1.83	2.55	3.39	0.01	0.04	75	3	2	21	<1	7	<10	<.01	7
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	129	18	124	2	116	31	0.4	3	122	3	7.18	1346	5	6	169	42	10	10	2	1.83	2.55	3.39	0.01	0.04	75	3	2	21	0.5	7	5	.005	7
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.2	140	18	140	4	135	35	0.2	1	145	1	6.50	1450	-	6	170	50	5	12	-	1.80	2.70	4.00	0.01	0.04	70	3	-	24	2	6	1	.003	5
BCC GEOCHEM STD 5		12	<.2	77	10	69	<1	34	20	<.2	<5	8	<5	4.42	677	<10	185	47	113	<20	<20	6	3.04	1.59	0.96	0.05	0.29	34	7	5	24	5	9	<10	0.20	11
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		12	0.1	77	10	69	0.5	34	20	0.1	3	8	3	4.42	677	5	185	47	113	10	10	6	3.04	1.59	0.96	0.05	0.29	34	7	5	24	5	9	5	0.20	11
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		8	0.7	90	11	80	2	40	18	0.1	1	8	1	4.74	720	0.2	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	39	9	4	-	1	18	1	-	9
ANALYTICAL BLANK		-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<0.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
ANALYTICAL BLANK		-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<0.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses		-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		-	0.1	0.5	1	0.5	0.5	0.5	0.5	0.1	3	3	3	.005	0.5	5	0.5	0.5	0.5	10	10	0.5	.005	0.005	.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<.01	<.0001	<.01	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01671.0 (COMPLETE)
DATE RECEIVED: 14-JUL-97 DATE PRINTED: 13-NOV-97 PAGE 4 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
11794			<5	<.2	25	<2	32	<1	1271	63	<.2	<5	<5	10	4.22	682	<10	<1	1345	41	<20	<20	<1	0.79	>10.00	0.28	<.01	<.01	<1	<1	<2	4	<1	7	<10	<.01	1
Duplicate			<5	<.2	25	<2	33	<1	1316	64	<.2	<5	<5	11	4.41	714	<10	<1	1402	42	<20	<20	<1	0.82	>10.00	0.28	<.01	<.01	<1	<1	<2	2	<1	7	<10	<.01	1
142598			6	<.2	9	<2	25	<1	1290	63	<.2	<5	15	7	4.50	496	<10	<1	868	19	<20	<20	<1	0.34	>10.00	0.24	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
Duplicate				<.2	8	<2	25	<1	1304	64	<.2	<5	13	7	4.50	497	<10	<1	882	20	<20	<20	<1	0.34	>10.00	0.24	<.01	<.01	<1	<1	<2	1	<1	6	<10	<.01	1
142603			<5	<.2	7	<2	30	<1	1676	75	<.2	<5	15	8	4.41	707	<10	<1	1102	20	<20	<20	<1	0.43	>10.00	0.08	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
Duplicate			<5																																	
142617			<5	<.2	5	<2	32	<1	1668	80	<.2	<5	<5	<5	5.03	758	<10	<1	579	15	<20	<20	<1	0.20	>10.00	0.06	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
Duplicate				<.2	5	<2	31	<1	1607	77	<.2	<5	<5	<5	4.75	721	<10	<1	553	14	<20	<20	<1	0.19	>10.00	0.06	<.01	<.01	<1	<1	<2	2	<1	6	<10	<.01	1
142626			6	<.2	15	<2	30	<1	1541	82	<.2	<5	<5	7	4.85	916	<10	<1	921	15	<20	<20	<1	0.30	>10.00	0.01	<.01	<.01	<1	<1	<2	1	<1	<5	<10	<.01	1
Duplicate			6																																	

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V97-01689.0 (COMPLETE)

REFERENCE: MT SIDNEY WILLIAMS

CLIENT: FIRST POINT MINERALS CORPORATION

SUBMITTED BY: U. MOWAT

PROJECT: MT SIDNEY

DATE RECEIVED: 17-JUL-97 DATE PRINTED: 12-NOV-97

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
970725 1	Wet Au Partial Ext. Gold	33	5 PPB	ASH/AQ REG/DIBK	ATOMIC ABSORPTION
970725 2	Ag Silver	33	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 3	Cu Copper	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 4	Pb Lead	33	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 5	Zn Zinc	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 6	Mo Molybdenum	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 7	Ni Nickel	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 8	Co Cobalt	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 9	Cd Cadmium	33	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 10	Bi Bismuth	33	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 11	As Arsenic	33	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 12	Sb Antimony	33	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 13	Fe Iron	33	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 14	Mn Manganese	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 15	Te Tellurium	33	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 16	Ba Barium	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 17	Cr Chromium	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 18	V Vanadium	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 19	Sn Tin	33	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 20	W Tungsten	33	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 21	La Lanthanum	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 22	Al Aluminum	33	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 23	Mg Magnesium	33	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 24	Ca Calcium	33	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 25	Na Sodium	33	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 26	K Potassium	33	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 27	Sr Strontium	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 28	Y Yttrium	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 29	Ga Gallium	33	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 30	Li Lithium	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 31	Nb Niobium	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 32	Sc Scandium	33	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 33	Ta Tantalum	33	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 34	Ti Titanium	33	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970725 35	Zr Zirconium	33	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOIL	33	1 -80	32	PULVERIZATION	1
		2 -150	1	DRY, SIEVE -80	32

REPORT COPIES TO: MR. PETER BRADSHAW

INVOICE TO: MR. PETER BRADSHAW

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01689.0 (COMPLETE)
DATE RECEIVED: 17-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 1 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
B1		8	<.2	45	13	75	<1	1151	53	<.2	<5	45	<5	6.61	871	<10	35	723	59	<20	<20	2	1.44	7.14	0.42	<.01	0.04	10	5	<2	10	<1	7	<10	0.10	<1
C1		11	<.2	40	9	81	<1	3167	93	0.2	<5	6	<5	>10.00	775	<10	33	1491	43	<20	<20	2	1.03	>10.00	0.13	<.01	0.03	5	3	<2	5	<1	6	<10	0.02	<1
C2		<5	<.2	34	8	63	<1	2715	80	0.2	<5	19	<5	9.93	734	<10	29	1339	42	<20	<20	2	0.90	>10.00	0.12	<.01	0.03	5	2	<2	4	<1	6	<10	0.01	<1
C3		<5	<.2	39	3	52	<1	3122	88	<.2	<5	19	<5	>10.00	781	<10	32	1369	45	<20	<20	2	0.97	>10.00	0.16	<.01	0.03	6	3	<2	5	<1	6	<10	0.02	<1
C4		<5	<.2	27	4	74	<1	2127	82	0.2	<5	11	<5	8.50	789	<10	31	1134	40	<20	<20	2	1.03	>10.00	0.17	<.01	0.03	5	3	<2	5	<1	7	<10	0.01	<1
C5		<5	<.2	43	3	49	<1	1257	64	<.2	<5	5	<5	6.29	712	<10	69	805	56	<20	<20	1	1.50	8.61	0.28	<.01	0.20	6	4	<2	7	<1	7	<10	0.10	<1
C6		6	<.2	35	<2	59	<1	1607	65	<.2	<5	9	<5	7.21	681	<10	36	935	47	<20	<20	1	1.18	8.94	0.24	<.01	0.06	6	3	<2	6	<1	6	<10	0.08	<1
F1		21	<.2	36	<2	38	<1	881	49	<.2	<5	32	<5	5.65	746	<10	31	711	48	<20	<20	2	1.22	8.82	0.49	<.01	0.04	13	4	<2	7	<1	7	<10	0.07	<1
G1		5	<.2	22	3	60	<1	1026	33	<.2	<5	<5	<5	4.04	328	<10	54	801	34	<20	<20	2	1.28	8.70	0.18	0.01	0.04	6	3	<2	8	<1	6	<10	0.01	1
G2		<5	<.2	18	6	50	<1	868	39	<.2	<5	<5	<5	5.81	578	<10	42	936	44	<20	<20	2	1.29	>10.00	0.13	0.01	0.02	6	2	<2	8	<1	6	<10	0.02	<1
G3		<5	<.2	22	4	56	<1	1100	54	<.2	<5	7	<5	7.89	782	<10	40	1304	52	<20	<20	2	1.40	8.96	0.18	0.01	0.04	6	3	<2	8	<1	6	<10	0.02	<1
G4		5	<.2	21	4	66	<1	1366	58	<.2	<5	5	<5	8.22	795	<10	36	1318	48	<20	<20	2	1.20	>10.00	0.14	0.01	0.03	5	3	<2	6	<1	7	<10	0.02	<1
J1		277	<.2	49	<2	82	<1	679	40	0.2	<5	39	<5	6.92	771	<10	63	608	65	<20	<20	4	1.56	4.10	0.48	<.01	0.05	14	8	<2	10	<1	7	<10	0.12	<1
H1		<5	<.2	21	6	55	<1	1168	51	<.2	<5	10	<5	7.19	603	<10	38	1158	45	<20	<20	3	1.27	9.17	0.13	0.01	0.03	6	4	<2	7	<1	8	<10	0.02	<1
H2		6	<.2	18	7	36	<1	1319	68	<.2	<5	10	<5	8.50	727	<10	22	1134	40	<20	<20	1	0.96	>10.00	0.10	<.01	0.02	4	2	<2	5	<1	7	<10	0.01	<1
M1		<5	<.2	23	<2	65	<1	747	44	<.2	<5	17	<5	5.70	632	<10	30	615	55	<20	<20	2	1.29	8.85	0.28	<.01	0.04	6	5	<2	7	<1	7	<10	0.11	2
M2		8	<.2	24	3	43	<1	1730	54	<.2	<5	15	<5	7.86	634	<10	26	903	31	<20	<20	4	0.81	>10.00	0.15	<.01	0.02	5	5	<2	4	<1	7	<10	0.02	<1
M3		11	<.2	11	<2	38	<1	988	58	<.2	<5	5	<5	4.83	469	<10	23	901	35	<20	<20	3	0.91	9.39	0.17	0.01	0.02	7	2	<2	4	<1	6	<10	0.04	1
M4		5	<.2	9	7	41	<1	1274	64	<.2	<5	51	<5	6.02	565	<10	13	518	24	<20	<20	<1	0.57	>10.00	0.10	<.01	0.01	3	<1	<2	3	<1	<5	<10	0.01	<1
VD1		27	<.2	24	6	161	<1	1026	51	<.2	<5	65	<5	7.50	732	<10	29	1062	55	<20	<20	2	1.06	7.06	0.28	0.01	0.03	9	3	<2	7	<1	6	<10	0.08	<1
VD2		75	<.2	37	<2	49	<1	1093	48	<.2	<5	63	<5	6.88	709	<10	32	887	58	<20	<20	3	1.31	6.32	0.40	<.01	0.04	11	5	<2	9	<1	7	<10	0.10	<1
VD3		18	<.2	39	2	47	<1	1348	52	<.2	<5	49	<5	6.85	750	<10	33	860	56	<20	<20	3	1.22	6.75	0.39	<.01	0.04	11	5	<2	8	<1	6	<10	0.09	<1
VD5		78	<.2	57	2	77	<1	1634	56	<.2	<5	54	<5	7.68	851	<10	42	839	61	<20	<20	3	1.44	5.99	0.44	<.01	0.06	11	5	<2	10	<1	7	<10	0.12	<1
VD6		21	<.2	38	3	64	<1	710	39	0.2	<5	30	<5	5.77	745	<10	58	586	58	<20	<20	5	1.44	4.17	0.44	0.01	0.05	16	7	<2	10	<1	6	<10	0.11	<1
VD7		21	<.2	44	<2	60	<1	1070	50	<.2	<5	45	<5	5.84	844	<10	46	751	57	<20	<20	3	1.41	6.44	0.42	<.01	0.05	11	5	<2	10	<1	6	<10	0.11	<1
VD22		12	<.2	31	22	78	<1	1136	44	<.2	<5	21	<5	5.08	660	<10	35	646	51	<20	<20	3	1.04	6.33	0.36	<.01	0.03	12	4	<2	7	<1	5	<10	0.10	1
VD23		23	<.2	23	29	297	<1	815	48	<.2	<5	67	<5	5.23	775	<10	32	869	50	22	<20	2	1.02	7.42	0.27	0.01	0.03	9	4	<2	7	<1	6	<10	0.07	<1
VD24		16	<.2	25	19	198	<1	700	46	<.2	<5	78	<5	5.23	796	<10	35	832	50	<20	<20	3	1.02	7.00	0.27	<.01	0.03	9	4	<2	7	<1	6	<10	0.06	<1
VD26		17	<.2	32	7	67	<1	635	37	<.2	<5	82	<5	5.01	680	<10	43	661	63	<20	<20	5	1.24	3.94	0.28	<.01	0.04	12	6	<2	8	<1	5	<10	0.09	<1
VD27		634	<.2	32	5	66	<1	611	40	0.2	<5	34	<5	5.44	776	<10	52	678	70	<20	<20	5	1.36	4.19	0.29	<.01	0.04	13	6	<2	9	<1	6	<10	0.11	<1

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01689.0 (COMPLETE)
DATE RECEIVED: 17-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 2 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Wet	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
TD1			38	<.2	25	2	56	<1	1452	79	<.2	<5	92	<5	7.41	913	<10	25	723	39	<20	<20	1	1.09	>10.00	0.19	0.02	0.02	4	2	<2	11	<1	6	<10	0.02	<1
TD2			230	<.2	31	9	40	<1	2460	88	<.2	<5	184	<5	8.76	879	<10	20	1269	42	<20	<20	<1	0.88	>10.00	0.16	<.01	0.02	3	2	<2	6	<1	7	<10	0.02	<1
M1HC			<5	<.2	13	<2	42	<1	802	53	<.2	<5	31	<5	6.04	534	<10	30	915	54	<20	<20	<1	1.06	>10.00	0.43	0.02	0.04	8	4	<2	5	<1	6	<10	0.16	3

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

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STANDARD NAME	ELEMENT UNITS	Wet Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
Gannet Standard		426	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		426	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 4		-	0.7	261	30	213	3	36	8	0.9	<5	25	<5	2.74	520	<10	55	68	7	<20	<20	1	0.73	1.14	1.28	0.05	0.13	35	3	<2	6	<1	<5	<10	<.01	9
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.7	261	30	213	3	36	8	0.9	3	25	3	2.74	520	5	55	68	7	10	10	1	0.73	1.14	1.28	0.05	0.13	35	3	1	6	0.5	3	5	.005	9
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	1.6	290	33	255	4	42	9	0.8	1	30	1	2.60	600	0.1	55	104	9	5	1	4	0.77	1.34	1.43	0.04	0.14	39	4	2	7	1	12	1	0.01	8
ANALYTICAL BLANK		<5	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<0.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		3	0.1	0.5	1	0.5	0.5	0.5	0.5	0.1	3	3	3	0.005	0.5	5	0.5	0.5	0.5	10	10	0.5	.005	0.005	.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<.01	<.0001	<.01	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION

PROJECT: MT SIDNEY

REPORT: V97-01689.0 (COMPLETE)

DATE RECEIVED: 17-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 4 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Wet PPB	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
G2			<5	<.2	18	6	50	<1	868	39	<.2	<5	<5	<5	5.81	578	<10	42	936	44	<20	<20	2	1.29	>10.00	0.13	0.01	0.02	6	2	<2	8	<1	6	<10	0.02	<1
Duplicate			<5	<.2	19	7	52	<1	892	41	<.2	<5	<5	<5	6.29	601	<10	44	1013	46	<20	<20	2	1.36	>10.00	0.14	0.01	0.03	6	2	<2	8	<1	6	<10	0.02	<1
VD23			23	<.2	23	29	297	<1	815	48	<.2	<5	67	<5	5.23	775	<10	32	869	50	22	<20	2	1.02	7.42	0.27	0.01	0.03	9	4	<2	7	<1	6	<10	0.07	<1
Duplicate				<.2	23	35	289	<1	812	47	<.2	<5	66	<5	5.94	750	<10	31	867	49	27	<20	2	1.01	7.35	0.27	<.01	0.03	9	3	<2	7	<1	6	<10	0.07	<1
M1HC			<5	<.2	13	<2	42	<1	802	53	<.2	<5	31	<5	6.04	534	<10	30	915	54	<20	<20	<1	1.06	>10.00	0.43	0.02	0.04	8	4	<2	5	<1	6	<10	0.16	3
Duplicate			<5																																	

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V97-01690.0 (COMPLETE)

REFERENCE: MT SIDNEY WILLIAMS

CLIENT: FIRST POINT MINERALS CORPORATION

PROJECT: MT SIDNEY

SUBMITTED BY: U. MOWAT

DATE RECEIVED: 17-JUL-97 DATE PRINTED: 13-NOV-97

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
970724 1	Wet Au Partial Ext. Gold	30	5 PPB	ASH/AQ REG/DIBK	ATOMIC ABSORPTION
970724 2	Ag Silver	30	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 3	Cu Copper	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 4	Pb Lead	30	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 5	Zn Zinc	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 6	Mo Molybdenum	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 7	Ni Nickel	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 8	Co Cobalt	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 9	Cd Cadmium	30	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 10	Bi Bismuth	30	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 11	As Arsenic	30	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 12	Sb Antimony	30	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 13	Fe Iron	30	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 14	Mn Manganese	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 15	Te Tellurium	30	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 16	Ba Barium	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 17	Cr Chromium	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 18	V Vanadium	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 19	Sn Tin	30	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 20	W Tungsten	30	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 21	La Lanthanum	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 22	Al Aluminum	30	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 23	Mg Magnesium	30	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 24	Ca Calcium	30	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 25	Na Sodium	30	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 26	K Potassium	30	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 27	Sr Strontium	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 28	Y Yttrium	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 29	Ga Gallium	30	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 30	Li Lithium	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 31	Nb Niobium	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 32	Sc Scandium	30	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 33	Ta Tantalum	30	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 34	Ti Titanium	30	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970724 35	Zr Zirconium	30	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	30	2 -150	30	CRUSH/SPLIT & PULV.	30
				OVERWEIGHT/KG	168

REPORT COPIES TO: MR. PETER BRADSHAW

INVOICE TO: MR. PETER BRADSHAW

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION

PROJECT: MT SIDNEY

REPORT: V97-01690.0 (COMPLETE)

DATE RECEIVED: 17-JUL-97 DATE PRINTED: 13-NOV-97 PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT Wet	Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
11812		<5	<.2	5	<2	21	1	1374	77	<.2	<5	<5	<5	4.40	707	<10	<1	427	11	<20	<20	<1	0.32	>10.00	0.06	<.01	<.01	<1	<1	<2	<1	7	<5	<10	<.01	<1
11813		<5	<.2	9	<2	23	1	1457	72	<.2	<5	<5	<5	4.52	694	<10	<1	218	4	<20	<20	<1	0.14	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	6	<5	<10	<.01	<1
11814		<5	<.2	15	<2	21	1	1431	71	<.2	<5	<5	<5	4.32	678	<10	<1	309	7	<20	<20	<1	0.20	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	7	<5	<10	<.01	<1
11815		<5	<.2	7	<2	23	1	1402	69	<.2	<5	<5	<5	4.12	626	<10	<1	279	5	<20	<20	<1	0.14	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	6	<5	<10	<.01	<1
11816		<5	<.2	11	<2	22	1	1396	72	<.2	<5	<5	<5	4.53	740	<10	<1	505	11	<20	<20	<1	0.27	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	7	5	<10	<.01	<1
11817		<5	<.2	4	<2	26	1	1365	69	<.2	<5	<5	<5	4.35	737	<10	2	388	8	<20	<20	<1	0.23	>10.00	0.06	<.01	<.01	<1	<1	<2	<1	6	<5	<10	<.01	<1
11818		<5	<.2	4	<2	22	2	1337	68	<.2	<5	<5	<5	4.19	696	<10	<1	505	12	<20	<20	<1	0.30	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	6	<5	<10	<.01	<1
11819		<5	<.2	17	<2	25	1	1480	76	<.2	<5	<5	<5	4.55	804	<10	<1	810	17	<20	<20	<1	0.32	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
11820		<5	<.2	19	<2	26	1	1483	75	<.2	<5	<5	<5	4.61	758	<10	<1	648	14	<20	<20	<1	0.29	>10.00	0.06	<.01	<.01	<1	<1	<2	<1	6	6	<10	<.01	<1
11821		<5	<.2	14	<2	25	1	1505	73	<.2	<5	<5	<5	4.18	701	<10	1	968	20	<20	<20	<1	0.38	>10.00	0.06	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
11822		<5	<.2	15	<2	24	1	1477	74	<.2	<5	<5	<5	4.51	741	<10	<1	802	18	<20	<20	<1	0.33	>10.00	0.08	<.01	<.01	<1	<1	<2	<1	7	7	<10	<.01	<1
11823		<5	<.2	19	<2	26	1	1436	72	<.2	<5	<5	<5	4.49	750	<10	2	546	14	<20	<20	<1	0.27	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	6	6	<10	<.01	<1
11824		<5	<.2	2	<2	23	1	1308	63	<.2	<5	<5	<5	4.23	593	<10	<1	1145	18	<20	<20	<1	0.37	>10.00	0.25	<.01	<.01	<1	<1	<2	<1	6	7	<10	<.01	<1
11825		8	0.3	62	<2	23	1	1321	70	<.2	<5	<5	<5	4.64	668	<10	2	749	8	<20	<20	<1	0.12	>10.00	0.27	<.01	<.01	4	<1	<2	12	7	<5	<10	<.01	<1
11826		<5	<.2	16	<2	24	1	1546	71	<.2	<5	<5	<5	4.37	722	<10	<1	841	14	<20	<20	<1	0.28	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	7	6	<10	<.01	<1
11827		<5	<.2	18	<2	21	1	1418	72	<.2	<5	<5	<5	4.55	762	<10	2	513	15	<20	<20	<1	0.44	>10.00	0.07	<.01	<.01	<1	<1	<2	<1	6	5	<10	<.01	<1
11828		<5	<.2	19	<2	24	1	1445	74	<.2	<5	<5	<5	4.82	802	<10	2	798	24	<20	<20	<1	0.56	>10.00	0.08	<.01	<.01	<1	<1	<2	<1	7	7	<10	<.01	<1
11829		923	<.2	10	<2	13	<1	903	45	1.4	<5	461	29	3.09	513	<10	2	216	2	<20	<20	<1	0.01	>10.00	0.06	<.01	<.01	1	<1	<2	<1	5	<5	<10	<.01	<1
11830		<5	<.2	5	<2	20	1	1562	68	<.2	<5	116	<5	4.28	543	<10	<1	133	<1	<20	<20	<1	<.01	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	5	<5	<10	<.01	<1
11831		<5	<.2	12	<2	23	1	1449	72	<.2	<5	<5	<5	5.34	673	<10	<1	1190	32	<20	<20	<1	0.54	>10.00	0.12	<.01	<.01	1	<1	<2	<1	8	8	<10	<.01	<1
11832		<5	<.2	50	<2	34	<1	107	28	<.2	<5	<5	<5	3.05	1168	<10	70	105	36	<20	<20	<1	1.99	1.77	0.98	<.01	0.20	10	4	<2	15	3	5	<10	0.26	<1
11833		<5	<.2	44	<2	43	1	19	25	<.2	<5	6	<5	4.32	704	<10	14	17	75	<20	<20	2	1.94	1.36	0.89	0.04	0.03	17	7	<2	9	5	<5	<10	0.45	6
11834		<5	<.2	12	2	7	1	910	46	<.2	<5	20	<5	2.88	780	<10	4	624	17	<20	<20	<1	0.47	4.54	3.29	<.01	<.01	92	1	<2	1	3	7	<10	<.01	<1
11835		<5	<.2	8	<2	24	1	1232	65	<.2	<5	<5	<5	5.06	584	<10	2	1231	35	<20	<20	<1	0.60	>10.00	0.12	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
11836		<5	<.2	17	<2	24	1	1289	68	<.2	<5	<5	<5	4.59	701	<10	<1	1236	29	<20	<20	<1	0.53	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	7	7	<10	<.01	<1
11837		<5	<.2	47	<2	26	1	1348	82	<.2	<5	<5	<5	4.58	848	<10	<1	1214	31	<20	<20	<1	0.61	>10.00	0.22	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
11838		<5	<.2	8	<2	23	1	1338	72	<.2	<5	<5	<5	5.23	725	<10	<1	1227	30	<20	<20	<1	0.48	>10.00	0.16	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
11839		<5	<.2	5	<2	19	1	1256	72	<.2	<5	13	<5	5.99	463	<10	<1	967	45	<20	<20	<1	0.64	>10.00	0.03	<.01	<.01	<1	1	<2	<1	7	10	<10	0.03	<1
11840		<5	<.2	9	<2	22	1	1504	71	<.2	<5	<5	<5	4.54	691	<10	<1	139	<1	<20	<20	<1	<.01	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	4	<5	<10	<.01	<1
11841		<5	<.2	14	<2	25	1	1215	64	<.2	<5	<5	<5	4.66	825	<10	<1	1381	26	<20	<20	<1	0.56	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	6	7	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION

PROJECT: MT SIDNEY

REPORT: V97-01690.0 (COMPLETE)

DATE RECEIVED: 17-JUL-97 DATE PRINTED: 13-NOV-97 PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Wet PPB	Au PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
ANALYTICAL BLANK			<5	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<0.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value			3	0.1	0.5	1	0.5	0.5	0.5	0.5	0.1	3	3	3	.005	0.5	5	0.5	0.5	0.5	10	10	0.5	.005	0.005	.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5
Standard Deviation			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value			1	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<.01	<.0001	<.01	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01
BCC GEOCHEM STD 4			-	0.8	294	29	221	3	41	9	0.9	<5	25	<5	2.55	583	<10	55	70	6	<20	<20	3	0.72	1.13	1.28	0.05	0.12	36	3	<2	4	<1	<5	<10	<.01	8
Number of Analyses			-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value			-	0.8	294	29	221	3	41	9	0.9	3	25	3	2.55	583	5	55	70	6	10	10	3	0.72	1.13	1.28	0.05	0.12	36	3	1	4	0.5	3	5	.005	8
Standard Deviation			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value			-	1.6	290	33	255	4	42	9	0.8	1	30	1	2.60	600	0.1	55	104	9	5	1	4	0.77	1.34	1.43	0.04	0.14	39	4	2	7	1	12	1	0.01	8
Garnet Standard			396	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses			1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value			396	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value			405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01690.0 (COMPLETE)
DATE RECEIVED: 17-JUL-97 DATE PRINTED: 13-NOV-97 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT Wet Au	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
11812	<5	<.2	5	<2	21	1	1374	77	<.2	<5	<5	<5	4.40	707	<10	<1	427	11	<20	<20	<1	0.32	>10.00	0.06	<.01	<.01	<1	<1	<2	<1	7	<5	<10	<.01	<1
Duplicate	<5	<.2	4	<2	20	1	1316	67	<.2	<5	<5	<5	4.17	679	<10	<1	411	11	<20	<20	<1	0.31	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	6	<5	<10	<.01	<1
11830	<5	<.2	5	<2	20	1	1562	68	<.2	<5	116	<5	4.28	543	<10	<1	133	<1	<20	<20	<1	<.01	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	5	<5	<10	<.01	<1
Duplicate		<.2	6	<2	19	1	1532	66	<.2	<5	114	<5	4.22	535	<10	<1	130	<1	<20	<20	<1	<.01	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	6	<5	<10	<.01	<1
11835	<5	<.2	8	<2	24	1	1232	65	<.2	<5	<5	<5	5.06	584	<10	2	1231	35	<20	<20	<1	0.60	>10.00	0.12	<.01	<.01	<1	<1	<2	<1	7	8	<10	<.01	<1
Duplicate	<5																																		
11840	<5	<.2	9	<2	22	1	1504	71	<.2	<5	<5	<5	4.54	691	<10	<1	139	<1	<20	<20	<1	<.01	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	4	<5	<10	<.01	<1
Prep Duplicate	<5	<.2	9	3	25	1	1494	72	<.2	<5	<5	<5	4.59	707	<10	<1	161	<1	<20	<20	<1	<.01	>10.00	0.01	<.01	<.01	<1	<1	<2	<1	4	<5	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V97-01818.0 (COMPLETE)

REFERENCE: MT SIDNEY WILLIAMS

CLIENT: FIRST POINT MINERALS CORPORATION

SUBMITTED BY: U. MOWAT

PROJECT: MT SIDNEY

DATE RECEIVED: 25-JUL-97 DATE PRINTED: 12-NOV-97

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
970805	1 Ag	Silver	26	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	2 Cu	Copper	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	3 Pb	Lead	26	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	4 Zn	Zinc	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	5 Mo	Molybdenum	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	6 Ni	Nickel	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	7 Co	Cobalt	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	8 Cd	Cadmium	26	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	9 Bi	Bismuth	26	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	10 As	Arsenic	26	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	11 Sb	Antimony	26	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	12 Fe	Iron	26	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	13 Mn	Manganese	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	14 Te	Tellurium	26	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	15 Ba	Barium	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	16 Cr	Chromium	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	17 V	Vanadium	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	18 Sn	Tin	26	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	19 W	Tungsten	26	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	20 La	Lanthanum	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	21 Al	Aluminum	26	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	22 Mg	Magnesium	26	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	23 Ca	Calcium	26	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	24 Na	Sodium	26	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	25 K	Potassium	26	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	26 Sr	Strontium	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	27 Y	Yttrium	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	28 Ga	Gallium	26	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	29 Li	Lithium	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	30 Nb	Niobium	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	31 Sc	Scandium	26	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	32 Ta	Tantalum	26	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	33 Ti	Titanium	26	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
970805	34 Zr	Zirconium	26	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	26	2 -150	26	CRUSH/SPLIT & PULV.	26
				OVERWEIGHT/KG	146

REPORT COPIES TO: MR. PETER BRADSHAW

INVOICE TO: MR. PETER BRADSHAW

Intertek Testing Services
Bondar Clegg

Geo emical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01818.0 (COMPLETE)
DATE RECEIVED: 25-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
11842		<.2	4	4	18	1	1738	93	<.2	<5	<5	<5	5.85	675	<10	<1	418	3	<20	<20	<1	0.01	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	13	<5	<10	<.01	<1
11843		<.2	8	3	24	1	1541	80	<.2	<5	9	<5	4.80	938	<10	13	1057	25	<20	<20	<1	0.54	>10.00	0.17	<.01	<.01	2	<1	<2	3	12	9	<10	<.01	<1
11844		<.2	8	3	22	2	1598	87	<.2	<5	<5	<5	4.77	705	<10	<1	637	16	<20	<20	<1	0.38	>10.00	0.05	<.01	<.01	<1	<1	<2	1	15	6	<10	<.01	<1
11845		<.2	9	3	18	1	1542	82	<.2	<5	<5	<5	4.82	720	<10	2	406	13	<20	<20	<1	0.35	>10.00	0.04	<.01	<.01	<1	<1	<2	<1	14	<5	<10	<.01	<1
11846		<.2	11	3	21	2	1658	87	<.2	<5	<5	<5	4.91	711	<10	<1	424	12	<20	<20	<1	0.29	>10.00	0.05	<.01	<.01	<1	<1	<2	1	15	<5	<10	<.01	<1
11847		<.2	15	3	20	1	1572	82	<.2	<5	<5	<5	4.81	684	<10	1	421	13	<20	<20	<1	0.37	>10.00	0.05	0.02	<.01	<1	<1	<2	2	15	<5	<10	<.01	<1
11848		<.2	15	3	18	2	1651	85	<.2	<5	<5	<5	5.09	709	<10	<1	372	12	<20	<20	<1	0.33	>10.00	0.05	0.02	<.01	<1	<1	<2	1	15	<5	<10	<.01	<1
11849		<.2	9	3	14	1	1566	80	<.2	<5	<5	<5	4.89	678	<10	<1	649	20	<20	<20	<1	0.36	>10.00	0.08	<.01	<.01	<1	<1	<2	1	15	7	<10	<.01	<1
11850		<.2	13	3	23	2	1667	87	<.2	<5	<5	<5	5.21	929	<10	<1	1164	27	<20	<20	<1	0.51	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	16	7	<10	<.01	<1
11851		<.2	11	3	21	1	1646	78	<.2	<5	<5	<5	4.09	679	<10	<1	1069	21	<20	<20	<1	0.57	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	15	7	<10	<.01	<1
11852		<.2	18	3	20	1	1676	79	<.2	<5	<5	<5	4.30	654	<10	<1	755	19	<20	<20	<1	0.30	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	13	7	<10	<.01	<1
11853		<.2	16	3	20	1	1558	75	<.2	<5	<5	<5	3.87	559	<10	<1	1071	26	<20	<20	<1	0.64	>10.00	0.05	<.01	<.01	<1	<1	<2	<1	13	8	<10	<.01	<1
11854		<.2	16	3	20	1	1840	91	<.2	<5	<5	<5	4.95	705	<10	<1	499	6	<20	<20	<1	0.16	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	15	<5	<10	<.01	<1
11855		<.2	9	<2	18	1	1382	73	<.2	<5	<5	<5	4.63	467	<10	<1	1090	26	<20	<20	<1	0.60	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	13	7	<10	<.01	<1
11856		<.2	9	3	23	2	1556	86	<.2	<5	<5	<5	4.86	676	<10	<1	769	17	<20	<20	<1	0.37	>10.00	0.06	<.01	<.01	<1	<1	<2	1	15	6	<10	<.01	<1
11857		<.2	24	3	25	2	1814	77	<.2	<5	<5	<5	4.25	494	<10	1	1360	27	<20	<20	<1	0.59	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	12	9	<10	<.01	<1
11858		<.2	10	4	22	1	1515	76	<.2	<5	29	<5	4.32	484	<10	7	1083	24	<20	<20	<1	0.51	>10.00	0.38	<.01	<.01	2	<1	<2	7	13	8	<10	<.01	<1
142670		<.2	22	3	15	1	1701	75	<.2	<5	5	<5	4.39	524	<10	2	140	2	<20	<20	<1	0.04	>10.00	<.01	<.01	<.01	<1	<1	<2	<1	13	<5	<10	<.01	<1
142671		<.2	10	5	26	1	969	56	<.2	<5	<5	<5	4.58	671	<10	1	788	47	<20	<20	<1	1.27	>10.00	2.22	<.01	<.01	6	6	<2	7	10	9	<10	0.06	2
142672		<.2	5	3	18	1	1482	78	<.2	<5	<5	<5	3.87	590	<10	2	1030	18	<20	<20	<1	0.45	>10.00	0.31	<.01	<.01	<1	<1	<2	<1	15	6	<10	<.01	<1
142673		<.2	5	4	12	2	951	52	<.2	<5	12	<5	3.62	554	<10	11	513	10	<20	<20	<1	0.21	>10.00	0.25	<.01	0.01	11	<1	<2	1	11	<5	<10	<.01	<1
142674		<.2	9	3	23	1	389	36	<.2	<5	<5	<5	4.29	750	<10	28	1346	29	<20	<20	<1	0.50	8.66	0.08	<.01	<.01	<1	<1	<2	<1	5	8	<10	<.01	<1
142675		<.2	4	3	17	1	1446	81	<.2	<5	38	<5	4.85	437	<10	<1	1151	23	<20	<20	<1	0.48	>10.00	0.20	<.01	<.01	<1	<1	<2	<1	13	6	<10	<.01	<1
142676		<.2	17	3	16	2	1651	90	<.2	<5	47	6	5.58	589	<10	<1	1128	20	<20	<20	<1	0.31	>10.00	0.10	<.01	<.01	1	<1	<2	<1	15	6	<10	<.01	<1
142677		<.2	16	4	55	1	1537	81	<.2	<5	<5	<5	4.47	716	<10	17	1560	29	<20	<20	<1	0.65	>10.00	0.04	<.01	<.01	2	<1	<2	2	15	8	<10	<.01	<1
142678		<.2	53	3	17	<1	966	69	<.2	<5	8	<5	2.52	299	<10	24	828	24	<20	<20	<1	0.58	3.17	0.06	<.01	<.01	2	<1	<2	4	4	6	<10	<.01	<1

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
PROJECT: MT SIDNEY
REPORT: V97-01818.0 (COMPLETE)
DATE RECEIVED: 25-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 2 OF 3

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
BCC GEOCHEM STD 5		0.4	77	12	70	1	34	15	<.2	<5	7	<5	4.44	665	<10	187	46	119	<20	<20	7	3.14	1.59	0.99	0.06	0.29	38	8	<2	23	3	10	<10	0.20	12
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.4	77	12	70	1	34	15	0.1	3	7	3	4.44	665	5	187	46	119	10	10	7	3.14	1.59	0.99	0.06	0.29	38	8	1	23	3	10	5	0.20	12
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		0.7	90	11	80	2	40	18	0.1	1	8	1	4.74	720	0.2	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	39	9	4	-	1	18	1	-	9
ANALYTICAL BLANK		<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<0.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.1	0.5	1	0.5	0.5	0.5	0.5	0.1	3	3	3	.005	0.5	5	0.5	0.5	0.5	10	10	0.5	.005	0.005	.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<.01	<.0001	<.01	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01

Intertek Testing Services
Bondar Clegg

Geo. .emical Lab Report

CLIENT: FIRST POINT MINERALS CORPORATION
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REPORT: V97-01818.0 (COMPLETE)
DATE RECEIVED: 25-JUL-97 DATE PRINTED: 12-NOV-97 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
11842		<.2	4	4	18	1	1738	93	<.2	<5	<5	<5	5.85	675	<10	<1	418	3	<20	<20	<1	0.01	>10.00	0.03	<.01	<.01	<1	<1	<2	<1	13	<5	<10	<.01	<1
Prep Duplicate		<.2	4	4	16	1	1733	91	<.2	<5	<5	<5	5.42	679	<10	<1	378	3	<20	<20	<1	<.01	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	13	<5	<10	<.01	<1
11850		<.2	13	3	23	2	1667	87	<.2	<5	<5	<5	5.21	929	<10	<1	1164	27	<20	<20	<1	0.51	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	16	7	<10	<.01	<1
Duplicate		<.2	15	<2	23	2	1690	90	<.2	<5	<5	<5	5.24	954	<10	<1	1165	27	<20	<20	<1	0.51	>10.00	0.02	<.01	<.01	<1	<1	<2	<1	16	7	<10	<.01	<1
142678		<.2	53	3	17	<1	966	69	<.2	<5	8	<5	2.52	299	<10	24	828	24	<20	<20	<1	0.58	3.17	0.06	<.01	<.01	2	<1	<2	4	4	6	<10	<.01	<1
Duplicate		<.2	54	3	17	<1	965	67	<.2	<5	9	<5	2.50	300	<10	24	809	24	<20	<20	<1	0.57	3.12	0.06	<.01	<.01	2	<1	<2	4	3	6	<10	<.01	<1

APPENDIX II

BEATTIE CONSULTING LTD.
2955 WEST 38th AVENUE
VANCOUVER, B.C.
V6N 2X2

TEL: (604) 263 0066
FAX: (604) 263 0695
Internet: mbeattie@axionet.com

MEMORANDUM

TO: Peter Bradshaw, First Point Minerals

FROM: Morris Beattie

DATE: April 29, 1997

RE: Nickel Recovery Testwork

Following are my recommendations for an initial testing program on your nickel project. The program is based on testing 3 samples of drill core which will be received by the laboratory as split NQ core. From your description of the material, it seems unlikely that leaching at a coarse crush size would be successful and the proposed tests are therefore based on a fine initial crush size. Before the testing is commenced, the samples will be examined to confirm whether a fine particle size is in fact warranted.

Each sample will be crushed to minus 1/4 inch, blended and sampled for nickel content and a multiple element ICP analysis. In addition, an acid consumption test will be conducted on each sample to establish the starting conditions for the leaching tests. Two initial leaching tests will be conducted on each sample, one at minus 1/4 inch and a second following grinding to minus 100 mesh. Each test will consist of a bottle roll test with intermittent rotation of the bottle. The solution pH will be monitored and adjusted with sulphuric acid as necessary. Solution samples will be taken after 2, 6, 24, 48 and 72 hours to monitor the progress of nickel leaching and acid consumption. These tests will be used to define the amenability of the material to direct leaching. If these tests are successful, the next stage of testing will be to optimize the leaching conditions, including locked cycle leaching with solvent extraction of the pregnant solution to better define the net acid consumption.

If the initial leaching testwork is not successful (technically or economically), the next phase of testwork will be direct at preconcentration of the nickel mineral. Such preconcentration could be conducted by means of magnetic and/or gravity concentration although magnetic concentration is likely favoured due to its greater effectiveness for the recovery of fine particles. The preconcentration may result in greatly improved leaching and SXEW economics. If the preconcentration is demonstrated to result in high recoveries and ratio of concentration, additional tests will be done to produce sufficient concentrate for leaching testwork.

Upon the completion of this preliminary test program, some initial economic projections should

be made for the project in order to justify more detailed metallurgical studies.

A sample size of 20 kg for each of the three composites will be adequate for this initial program. I would recommend that this initial work be conducted at Process Research Associates so that the progress of the work can be monitored closely and the results can be obtained in a timely manner. Once the initial sample analyses are available, I will be able to set out detailed test instructions for the lab.

FACSIMILE

PROCESS RESEARCH ASSOCIATES LTD.

9145 Shaughnessy Street
Vancouver, B.C.
Canada, V6P 6R9

Tel.: (604) 322-0118
Fax: (604) 322-0181
E-mail: Bryan@PRAprocess.com

PROPOSAL

Company:	First Point Minerals Corp.	**Date:**	May 5, 1997
Attention:	Peter Bradshaw	**Fax:**	Proposal 1
FAX Number:	(604) 681-8799		
From:	Bryan Tatterson	**No. of pages (including this page):**	3

Our proposal for conducting the initial scoping tests on your samples is attached. We are only proposing straightforward sulphuric acid leaches at present which will give the first indication of the leaching potential of the samples. The tests will indicate a maximum potential extraction's using sulphuric acid. The determined acid consumption's will likely be much higher than from leaching coarser material.

The gravity concentration test would be done using a Knelson Centrifugal Concentrator. The Knelson concentrates would be upgraded using manual panning. The three products would all be assayed.

The scoping magnetic separation test would be conducted using a Davis Tube. Only two products, a magnetic fraction and a non-magnetic fraction, would be produced.

Metallurgical balance's would be calculated for all the tests.

If you have any questions please contact me.

Regards,

Bryan

- Get $1,000 check.
- Take 2 samples here + drop off tomorrow.

Process Research Associates Ltd.
9145 Shaughnessy Street, Vancouver, B.C. V6P 6R9
Telephone:(604)322-0118 Fax:(604)322-0181

May 5, 1997

First Point Minerals Corp.
Suite 2170 - 1050 West Pender Street,
Vancouver, BC.,
V6E 3S7.

ATTENTION : Peter M.D. Bradshaw, President

Dear Peter,

PROPOSAL: METAL RECOVERY STUDY

I have pleasure in submitting our proposal for a laboratory study on the Ni-Co material as discussed at our meeting at the PRA offices on Friday May 2, 1997. A staged approach is recommended for the study. In Stage I, scoping tests are proposed to provide preliminary information about ultimate metal extraction's and maximum acid consumption as a function of the H_2SO_4 concentration. These tests will be conducted on the pulverised samples. Stage II bottle roll tests will be conducted using the optimum acid concentrations determined from Stage I. The objective of the bottle roll tests will be to determine the Ni and Co extraction's as a function of particle size. The information will be used to decide which crush size should be used in the column testing in Stage III.

The following is a breakdown of the costs for the initial scoping tests. As discussed the scoping tests could be done on the pulverised reject pulp samples from the assay programme. The assay of the composite head sample will be done for both total and acid soluble Ni and Co.

Our suggested program will be carried out as follows :

Receive samples and prepare composite.	$55.00
Assay for Fe, Ni, Co and multi-element ICP metal analysis.	$65.00
Size Analysis	$25.00
Acid Consumption Test	$35.00
Leach Tests controlled at pH values of 1.0, 1.5 and 2.0 (@ $250 ea.)	$750.00
Assay Products (3) for Fe, Ni & Co & H_2SO_4 of PLS	$105.00
Gravity Concentration Scoping Test	$250.00
Assay Products (3) for Fe, Ni & Co	$90.00
Magnetic Concentration Scoping Test	$55.00
Assay Products (2) for Fe, Ni & Co	$60.00
Disbursements	$20.00
Supervision and Reporting	$400.00
Total	$1,910.00

The total estimated cost for this proposal is $1,910.00. This total does not include GST (7%) which would be added to all invoices. PRA's practice for extended projects is to issue monthly invoices. For new clients, it is the policy of PRA that we receive a 50% advance payment ($1,000.00) of the total estimated cost prior to commencing the test program. This advance will be credited against the final Invoice.

The above tests would be done on the as received samples. If additional grinding of the pulverized samples is required then the per test cost would increase by $50.00. Additional tests that are required, or requested will be recommended in a separate proposal requiring approval.

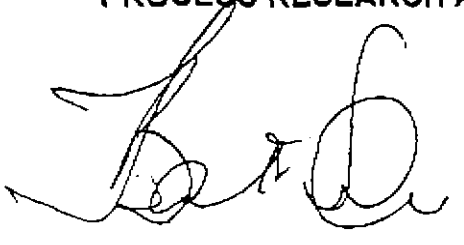
The test work can be scheduled as soon as the samples and payment are received with the first tests commencing within the first week. All procedures and results will be summarized in a report. Results will, however, be made available to you as soon as they are produced. The report will include recommendations for Stage II bottle roll tests.

At the end of the test work the remaining unused sample plus all test products can be returned, stored or disposed of. The associated costs would be for the clients account.

Thank you for the opportunity to prepare a cost proposal for your project. We await your letter of authorisation and instructions to proceed.. If you have any questions concerning the procedures or the associated costs, please call Bern or me.

Sincerely,

PROCESS RESEARCH ASSOCIATES LTD.



Bryan Tatterson. P. Eng.,
Senior Metallurgical Engineer

FACSIMILE

PROCESS RESEARCH ASSOCIATES LTD.

9145 Shaughnessy Street
Vancouver, B.C.
Canada, V6P 6R9

Tel.: (604) 322-0118
Fax: (604) 322-0181
E-mail: Bryan@PRAprocess.com

Company:	First Point Minerals Corp.	**Date:**	May 5, 1997
Attention:	Peter Bradshaw	**Fax:**	2
FAX Number:	(604) 681-8799	**Project:**	97-053
From:	Bryan Tatterson	**No. of pages (including this page):**	3

The results of a size analysis on the as received sample is attached together with the sample receiving sheet.

The sample is relatively coarse and has only been crushed. We have sub-divided the composite into 2 kg portions for testing and await further instructions.

If you have any questions please contact me.

Regards,

SAMPLE RECEIVING LOG

Project No.: 97-053
Received by: Jason

Date received: May 9, 1997
Page: 1 of 1

Count	Identification	Wet	Dry	Sample Description	Weight (g)
1	V96-01218-0-96RMB-44				7,080.0
2	V96-01218-0-96RMB-43			Reject	5,054.0
3					
4				**Total**	**12,134.0**
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
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17					
18					
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40					

DRAFT

SIZE ANALYSIS REPORT

Test: Comp 1 {96 Comb 43 " " 44

Sample: Head

Date : May 14, 1997

Project : 97-053

Grind Time: As Received

Sieve Size		Individual Percentage Retained	Cumulative Percentage Passing
Tyler mesh	Microns		
6	3,360	3.4	96.6
9	2,057	14.3	82.3
14	1,190	14.4	67.9
20	840	9.3	58.6
28	590	7.2	51.4
35	420	6.4	45.0
48	297	6.0	39.0
65	210	5.4	33.6
100	149	4.7	28.9
150	105	4.2	24.7
200	74	3.5	21.2
270	53	2.9	18.3
325	44	1.0	17.3
400	37	1.1	16.1
Undersize	- 37	16.1	
TOTAL:		100.0	

80% Passing Size (µm) = 1,897

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Company:	*First Point Minerals Corp.*	**Date:**	May 29, 1997
Attention:	Peter Bradshaw	**Fax:**	3
FAX Number:	(604) 681-8799	**Project:**	97-053
From:	Bryan Tatterson	**No. of pages (including this page):**	10

The draft results of the test results on the Composite sample are attached.

The Knelson gravity concentration test at a P_{80} of 155 µm resulted in 35.4% Ni recovery to the Knelson concentrate at 6.8 mass %. The pan concentrate recovery was 19.9% Ni in 0.3 mass %.

The magnetic Separation scoping tests were disappointing in that high mass recoveries were obtained with only a marginal concentration ratio. The magnetics recovery (as received P_{80} of 1,897 µm) was 63.3% Ni in 53.1 mass %. The milled sample recovery at a P_{80} of 155 µm was 81% Ni in 63.4 mass %. The Ni grade was only slightly improved.

The bottle roll leach test on the as received composite sample resulted in 30% Ni dissolution in 24 hours. The tank leach test on the milled sample at P_{80} of 78 µm resulted in a Ni dissolution of 67%. The kinetic curves for both leaches indicate that longer leach times would be beneficial. The acid consumption on the un-milled sample was 63.7 kg/tonne compared to194.4 kg/tonne for the milled sample. The higher consumption was probably due to the liberation of the acid consuming minerals in the sample.

A further bottle roll test on the un-milled sample is recommended and should be continued for 5 days with sampling at 4, 8, 24, 48, 72 and 96 hours. If necessary the leach could be extended if indications are that the nickel is continuing to leach at a satisfactory rate and recovery.

A second recommendation based on the results to date would be to grind to a P_{80} of 78 µm followed by gravity concentration and leaching of the Knelson concentrates under the same conditions as leach L-02.

Please advise whether we should proceed as recommended. If you have any questions please contact me.

Regards,

Copy sent to Morris Beattie

PRELIMINARY RESULTS SUBJECT TO REVIEW

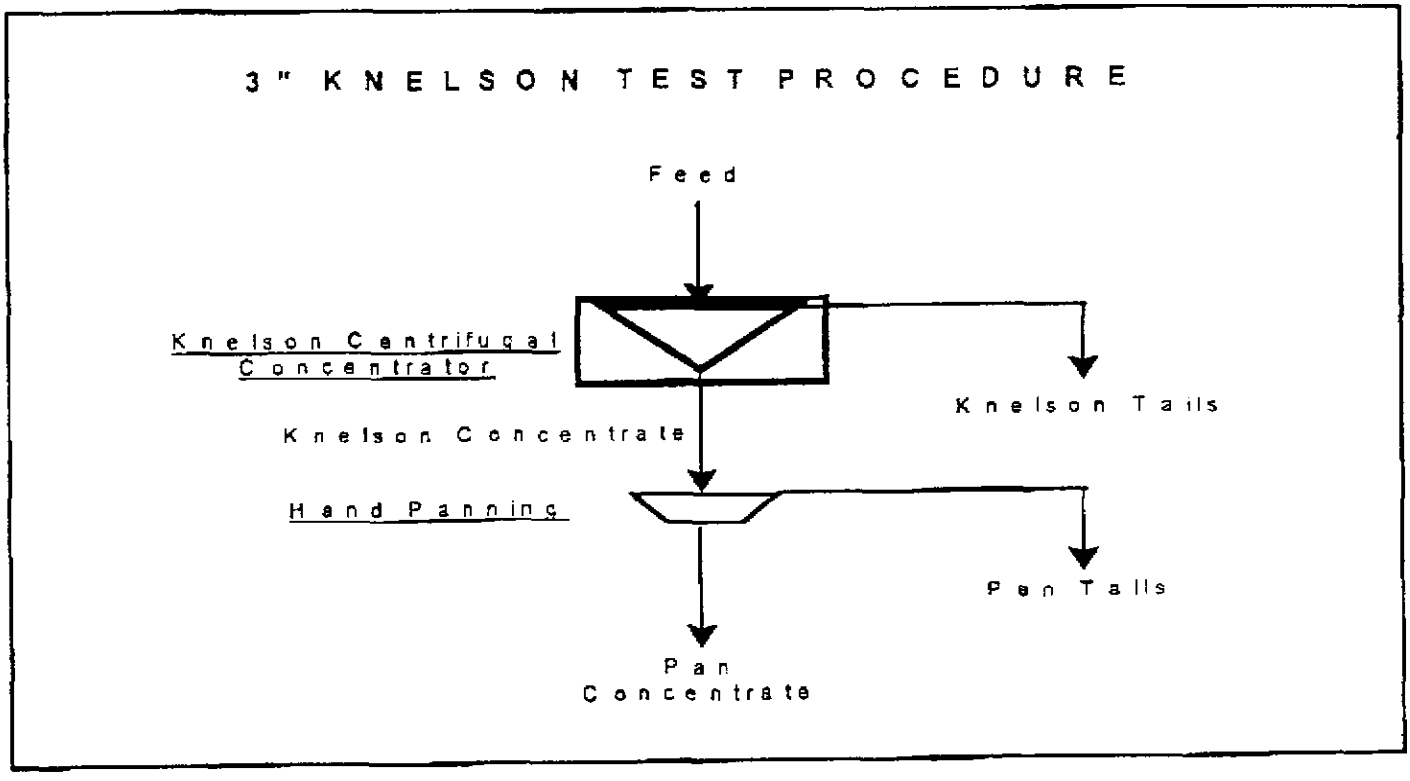
GRAVITY CONCENTRATION TEST REPORT

Test: GK-01 **Date:** May 21, 1997

Grind: 38 Minutes. P_{80}=155 µm **Project :** 97-053

Sample: Composite 1

Products	Weight		Assay			Distribution		
	(g)	(%)	Fe (%)	Ni (%)	Co (%)	Fe (%)	Ni (%)	Co (%)
Pan Concentrate	3.4	0.3	45.30	12.9	0.258	3.0	19.9	7.7
Pan Tails	63.9	6.4	12.60	0.535	0.020	15.4	15.5	11.2
Total Knelson Conc.	**67.3**	**6.8**	**14.26**	**1.161**	**0.032**	**18.4**	**35.4**	**18.9**
Knelson Tails	927.6	93.2	4.59	0.154	0.010	81.6	64.6	81.1
Total	**994.9**	**100.0**	**5.24**	**0.222**	**0.011**	**100.0**	**100.0**	**100.0**
Measured			5.20	0.228	0.01			



PRELIMINARY RESULTS SUBJECT TO REVIEW

SIZE ANALYSIS REPORT

Test: GK-01
Grind Time: 38 minutes
Sample: Composite 1

Date : May 21, 1997
Project : 97-053

Sieve Size		Individual Percentage Retained	Cumulative Percentage Passing
Tyler mesh	Microns		
65	210	4.0	91.9
100	149	13.4	78.5
150	105	13.8	64.7
200	74	9.8	54.9
270	53	8.3	46.6
325	44	2.4	44.2
400	37	3.8	40.4
Undersize	- 37	40.4	
TOTAL:		100.0	

80% Passing Size (µm) = 155

DRY MAGNETIC SEPARATION TEST METALLURGICAL BALANCE

Test: MS-01 **Date:** May 21, 1997

Sample: Composite 1 As Received P_{80}=1,897 µm **roject:** 97-053

Objective: Concentration of Awaruite (FeNi Alloy)

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
DLIMS Magnetics @ 300 rpm	543.8	53.1	6.34	0.288	0.012	67.0	63.3	59.5
DLIMS Non-Mags @ 300 rpm	247.8	24.2	3.09	0.171	0.009	14.9	17.1	20.3
	791.6	**77.2**	**5.32**	**0.251**	**0.011**	**81.9**	**80.5**	**79.9**
DLIMS Non-Mags @ 200 rpm	148.6	14.5	2.64	0.161	0.008	7.6	9.7	10.6
	940.2	**91.7**	**4.90**	**0.237**	**0.011**	**89.5**	**90.1**	**90.7**
DHIMS Non-Mags @ 300 rpm	84.8	8.3	6.34	0.288	0.012	10.5	9.9	9.3
Total	1025.0	100.0	5.02	0.241	0.011	100.0	100.0	100.0
Measured			5.20	0.228	0.01			

PRELIMINARY RESULTS
SUBJECT TO REVIEW

DRY MAGNETIC SEPARATION TEST METALLURGICAL BALANCE

Test: MS-02 **Date:** May 21, 1997
Grind: 38 Minutes. P_{80}=155 µm **roject:** 97-053
Sample: Composite 1
Objective: Concentration of Awaruite (FeNi Alloy)

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
DLIMS Magnetics @ 300 rpm	621.0	63.4	6.09	0.288	0.012	79.9	81.0	72.7
DLIMS Non-Mags @ 300 rpm	154.0	15.7	2.84	0.123	0.008	9.2	8.6	12.0
	775.0	**79.1**	**5.44**	**0.255**	**0.011**	**89.2**	**89.6**	**84.7**
DLIMS Non-Mags @ 250 rpm	136.4	13.9	2.56	0.117	0.008	7.4	7.2	10.6
	911.4	**93.0**	**5.01**	**0.235**	**0.011**	**96.5**	**96.8**	**95.3**
DLIMS Non-Mags @ 200 rpm	68.1	7.0	2.40	0.103	0.007	3.5	3.2	4.7
Total	979.5	100.0	4.83	0.225	0.010	100.0	100.0	100.0
Measured			5.20	0.228	0.01			

AWARUITE METAL RECOVERY STUDY

SULPHURIC ACID LEACH

Test: L-01
Sample: Composite 1

Date : May 18, 1997
Project: 97-053

LEACH CONDITIONS		TEST DESCRIPTION - BOTTLE ROLL LEACH
Solids:	250 g	-as received solids were pulped to 10% solids
Solution :	2,308 g	-adjusted to, and maintained at pH 1.5 using 12N H2SO4.
Solids :	10 %	-sampled at 4 and 8 hours
Grind Size - P_{80} :	1,897 μm	-test ended after 24 hours
Temperature:	Ambient °C	-filtered and displacement washed with pH 1.5 solution
pH :	1.5	followed by two hot water displacement washes
Test Duration :	24 hours	-solution and solids fire assayed for Fe, Ni & Co content

Leaching Profile

Time Hours	Slurry Mass (g)	PLS Mass (g)	PLS Volume (mL)	H_2SO_4 Added (kg/tonne)	Temp (°C)	pH	ORP (mV)
						9.90	
0.0	2,558.0	2308.0	2204	82.3	23	1.50	476
1.0						1.30	
2.0						1.38	
3.0						1.44	
4.0	2,563.0	2330.6	2226		19	1.53	432
5.0				4.7		1.65	
7.0				7.1		1.62	
8.0	2,560.0	2327.6	2223		21	1.58	424
8.3				11.8			
23.1				11.8		2.04	
24.0	2,562.0	2329.6	2225			1.80	403
				117.6			
		H_2SO_4 Consumption =		63.7	kg/tonne		

Solution Assays

Assay		Fe	Ni	Co	H_2SO_4 (g/L)
PLS 4 hrs	mg/L	140	37.5	1.40	
PLS 8 hrs	mg/L	170	47.7	1.70	
PLS	mg/L	203	70.0	2.20	6.06
Wash	mg/L	21	16.2	0.20	

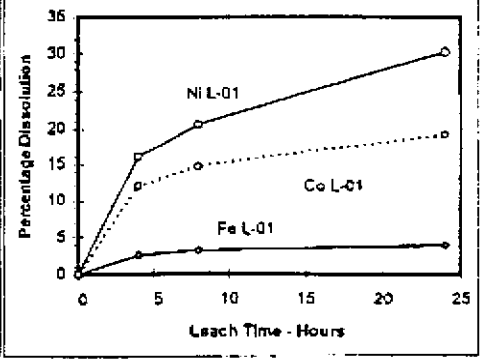
Solids Assays %

	Fe	Ni	Co
Head (assay)	5.20	0.228	0.011
Head (calculated)	4.83	0.208	0.010
Residue	5.00	0.156	0.009

Distribution%

	Fe	Ni	Co
Sample 4hr	0.01	0.07	0.05
Sample 8 hrs	0.01	0.09	0.07
PLS	3.74	30.00	18.94
Solution Total	3.77	30.16	19.06
Solids	96.23	69.84	80.94
Total	100.00	100.00	100.00

Chart 1 Metal Dissolution L-01



PRELIMINARY RESULTS SUBJECT TO REVIEW

SIZE ANALYSIS REPORT

Test: Comp 1
Sample: Head

Date : May 14, 1997
Project : 97-053

Grind Time: As Received

Sieve Size		Individual Percentage Retained	Cumulative Percentage Passing
Tyler mesh	Microns		
6	3,360	3.4	96.6
9	2,057	14.3	82.3
14	1,190	14.4	67.9
20	840	9.3	58.6
28	590	7.2	51.4
35	420	6.4	45.0
48	297	6.0	39.0
65	210	5.4	33.6
100	149	4.7	28.9
150	105	4.2	24.7
200	74	3.5	21.2
270	53	2.9	18.3
325	44	1.0	17.3
400	37	1.1	16.1
Undersize	- 37	16.1	
TOTAL:		100.0	

80% Passing Size (µm) = 1,897

AWARUITE METAL RECOVERY STUDY

SULPHURIC ACID LEACH

Test: L-02 **Date :** May 18, 1997
Sample: Composite 1 **Project:** 97-053

LEACH CONDITIONS

Solids:	974 g
Solution :	978 g
Solids :	50 %
Grind Size - P_{80} :	78 μm
Temperature:	Ambient °C
pH :	1.5
Test Duration :	24 hours

TEST DESCRIPTION - TANK LEACH

-solids were ground for 48 minutes at 65% solids
-repulped to 50% solids
-adjusted to, and maintained at pH 1.5
-sampled at 4 and 8 hours
-test ended after 24 hours
-filtered and displacement washed with pH 1.5 solution followed by a hot water displacement wash.
-solution and solids fire assayed for Fe, Ni & Co content

Leaching Profile

Time Hours	Slurry Mass (g)	PLS Mass (g)	PLS Volume (mL)	H_2SO_4 Added (kg/tonne)	Temp (°C)	pH	ORP (mV)
0.0	1,952.0	978.0	845		15	8.40	115
0.3				60.4	23	1.50	
4.0	2,250.3	1385.7	1197	66.4	21	1.50	326
8.0	2,356.3	1491.7	1289	24.1	21	1.50	328
24.0	2,496.3	1631.7	1410	62.8	21	1.50	334
				213.7			

H_2SO_4 Consumption = 194.4 kg/tonne

Solution Assays

Assay	Fe	Ni	Co	H_2SO_4 (g/L)
PLS 4 hrs mg/L	2,500	690	21.5	
PLS 8 hrs mg/L	2,900	812	22.0	
PLS mg/L	3,400	994	22.0	13.340
Wash mg/L	1,620	457	8.3	

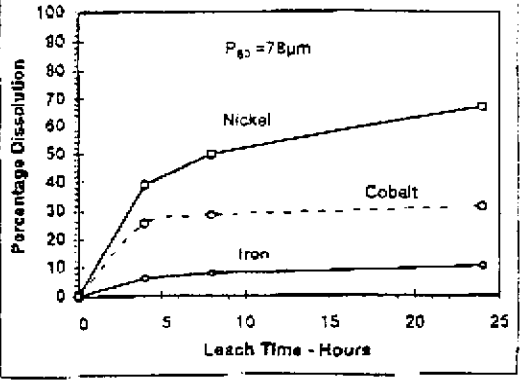
Solids Assays %

	Fe	Ni	Co
Head (assay)	5.20	0.228	0.011
Head (calculated)	4.97	0.217	0.010
Residue	5.04	0.081	0.008

Distribution%

	Fe	Ni	Co
Sample 4hr	0.05	0.33	0.21
Sample 8 hrs	0.06	0.38	0.22
PLS	9.90	66.21	30.83
Solution Total	10.01	66.92	31.26
Solids	89.99	33.08	68.74
Total	100.00	100.00	100.00

Chart 2 = Metal Dissolution L-02



SIZE ANALYSIS REPORT

Test: L-02
Sample: Leach Residue

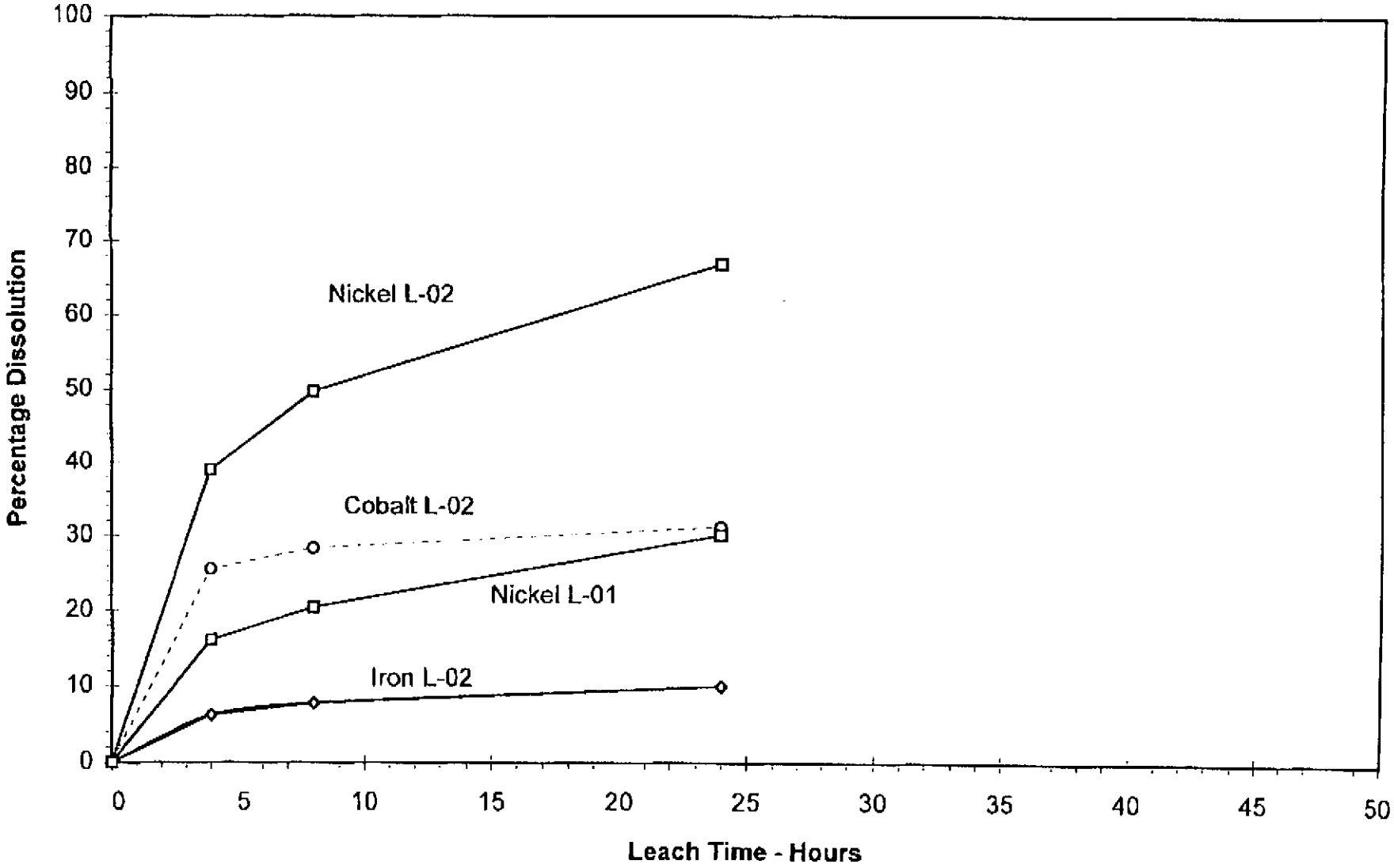
Date : May 27, 1997
Project : 97-053

Grind Time: 48 minutes

Sieve Size		Individual Percentage Retained	Cumulative Percentage Passing
Tyler mesh	Microns		
65	210	0.0	100.0
100	149	1.1	98.9
150	105	6.1	92.8
200	74	14.8	78.0
270	53	13.7	64.3
325	44	4.2	60.1
400	37	4.7	55.4
Undersize	- 37	55.4	
TOTAL:		100.0	

80% Passing Size (µm) = 78

Chart 3 Metal Dissolution



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Company:	First Point Minerals Corp.	**Date:**	May 29, 1997
Attention:	Peter Bradshaw	**Fax:**	4
FAX Number:	(604) 681-8799	**Project:**	97-053
From:	Bryan Tatterson	**No. of pages (including this page):**	6

The revised draft results of the test results (previously sent Fax 3) on the Composite sample are attached.

We carried out a scoping wet magnetic separation test (WHIMS) on a portion of the MS-01 magnetics fraction (as received) and obtained a concentrate of 3.7 weight % which was probably magnetite. No assays are planned for the products. The WHIMS tail still contained a significant amount of magnetic minerals possibly un-liberated awaruite (hopefully) and magnetite.

The assayer conducting assays on the previous test products had difficulty dissolving all the pan concentrate sample due to the presence of a finely divided black magnetic mineral, presumably magnetite.

Morris and I had a meeting today to discuss the results to date which indicated that gravity separation has a lower potential for producing a satisfactory upgrading and recovery of the awaruite into a concentrate suitable for the leach feed than WHIMS concentration. Morris therefore decided to carry out another test as follows.

A 4kg sample will be milled to 70% minus 200 mesh to liberate the awaruite and magnetite and passed through the Sala WLIMS separator. The products will be sampled for assay and the concentrate produced will be leached as in L-02. The leach acid consumption should be reduced by the removal of the para-magnetic minerals into the tailing.

If you have any questions please contact me.

Regards,

Copy sent to Morris Beattie

Attachments:

Magnetic Separation Tests	2 pages
Screen Analyses	3 pages

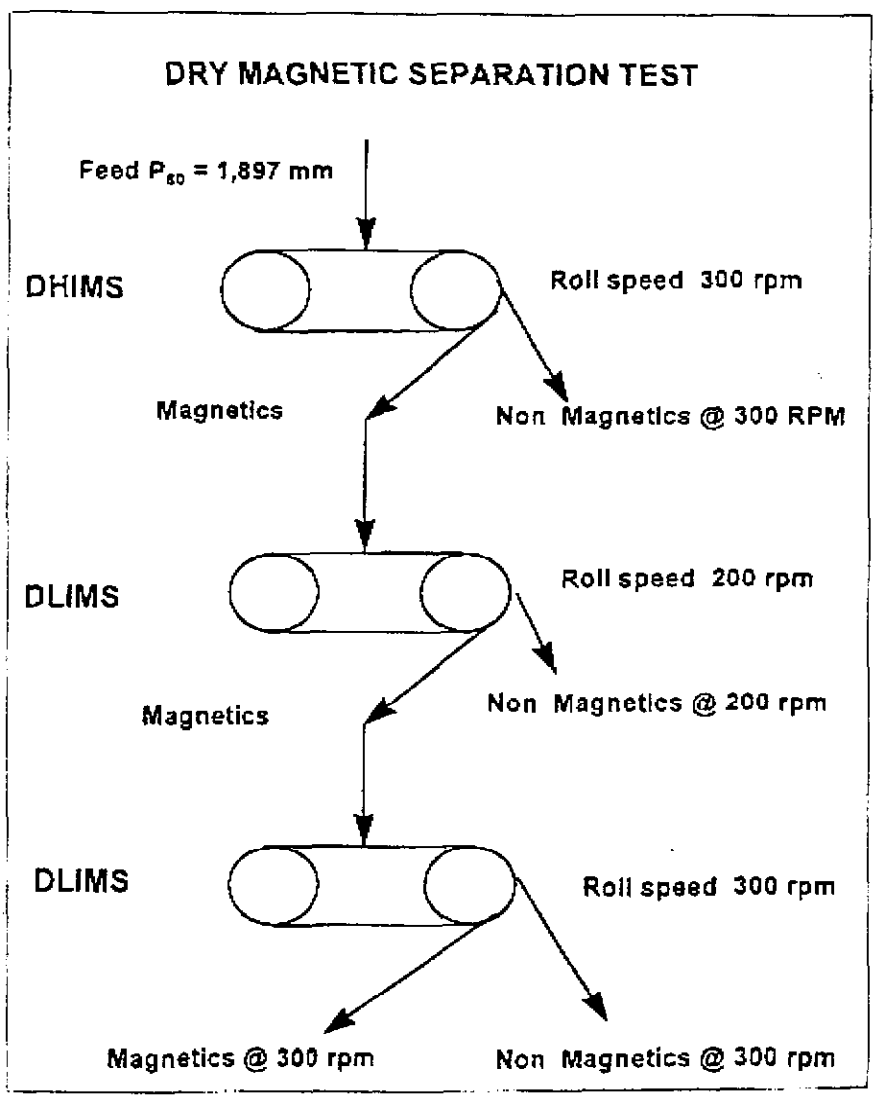
PRELIMINARY RESULTS SUBJECT TO REVIEW

DRY MAGNETIC SEPARATION TEST METALLURGICAL BALANCE

Test: MS-01
Grind: As Received P_{80}=1,897 µm
Sample: Composite 1
Objective: Concentration of Awaruite (FeNi Alloy)

Date: May 21, 1997
Project: 97-053

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
DLIMS Magnetics @ 300 rpm	543.8	53.1	6.34	0.288	0.012	67.0	63.3	59.5
DLIMS Non-Mags @ 300 rpm	247.8	24.2	3.09	0.171	0.009	14.9	17.1	20.3
	791.6	**77.2**	**5.32**	**0.251**	**0.011**	**81.9**	**80.5**	**79.9**
DLIMS Non-Mags @ 200 rpm	148.6	14.5	2.64	0.161	0.008	7.6	9.7	10.8
	940.2	**91.7**	**4.90**	**0.237**	**0.011**	**89.5**	**90.1**	**90.7**
DHIMS Non-Mags @ 300 rpm	84.8	8.3	6.34	0.288	0.012	10.5	9.9	9.3
Total	1025.0	100.0	5.02	0.241	0.011	100.0	100.0	100.0
Measured			5.20	0.228	0.011			



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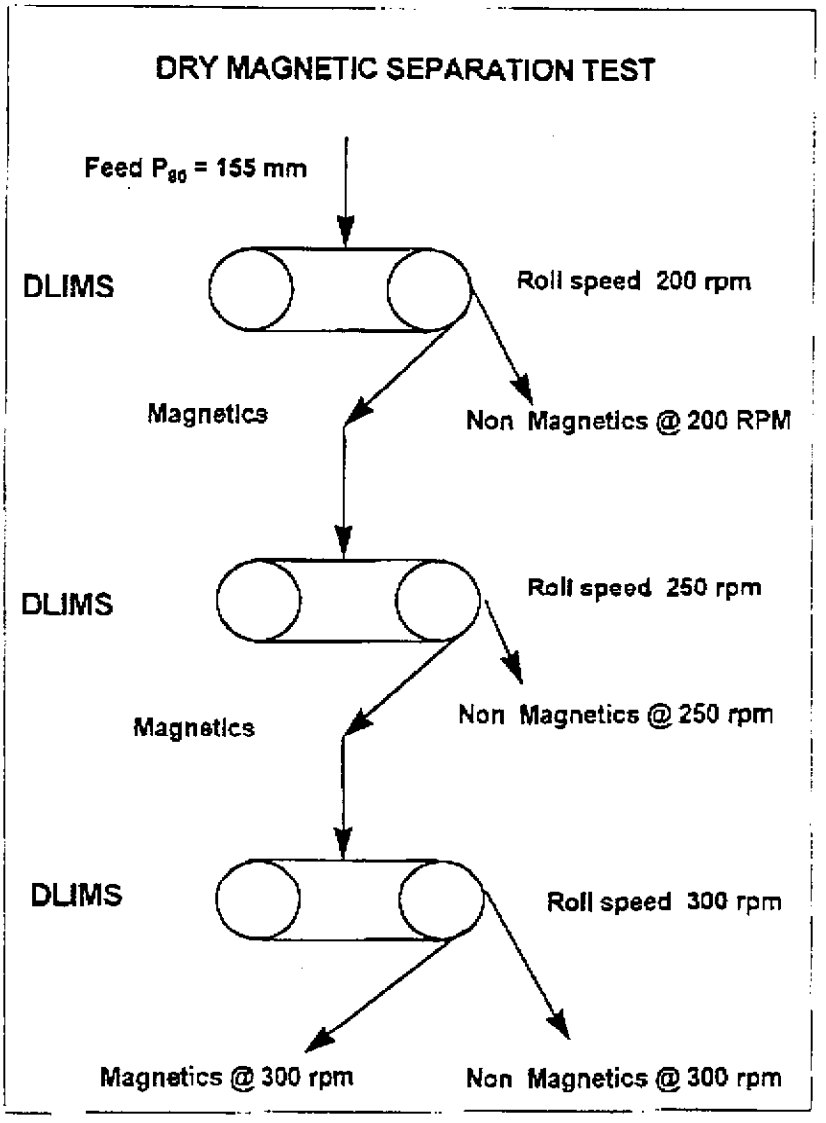
PRELIMINARY RESULTS SUBJECT TO REVIEW

DRY MAGNETIC SEPARATION TEST METALLURGICAL BALANCE

Test: MS-02
Grind: 38 Minutes. P_{80}=155 µm
Sample: Composite 1
Objective: Concentration of Awaruite (FeNi Alloy)

Date: May 21, 1997
Project: 97-053

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
DLIMS Magnetics @ 300 rpm	621.0	63.4	6.09	0.288	0.012	79.9	81.0	72.7
DLIMS Non-Mags @ 300 rpm	154.0	15.7	2.84	0.123	0.008	9.2	8.6	12.0
	775.0	**79.1**	**5.44**	**0.255**	**0.011**	**89.2**	**89.6**	**84.7**
DLIMS Non-Mags @ 250 rpm	136.4	13.9	2.56	0.117	0.008	7.4	7.2	10.6
	911.4	**93.0**	**5.01**	**0.235**	**0.011**	**96.5**	**96.8**	**95.3**
DLIMS Non-Mags @ 200 rpm	68.1	7.0	2.40	0.103	0.007	3.5	3.2	4.7
Total	979.5	100.0	4.83	0.225	0.010	100.0	100.0	100.0
Measured			5.20	0.228	0.011			



PRELIMINARY RESULTS
SUBJECT TO REVIEW

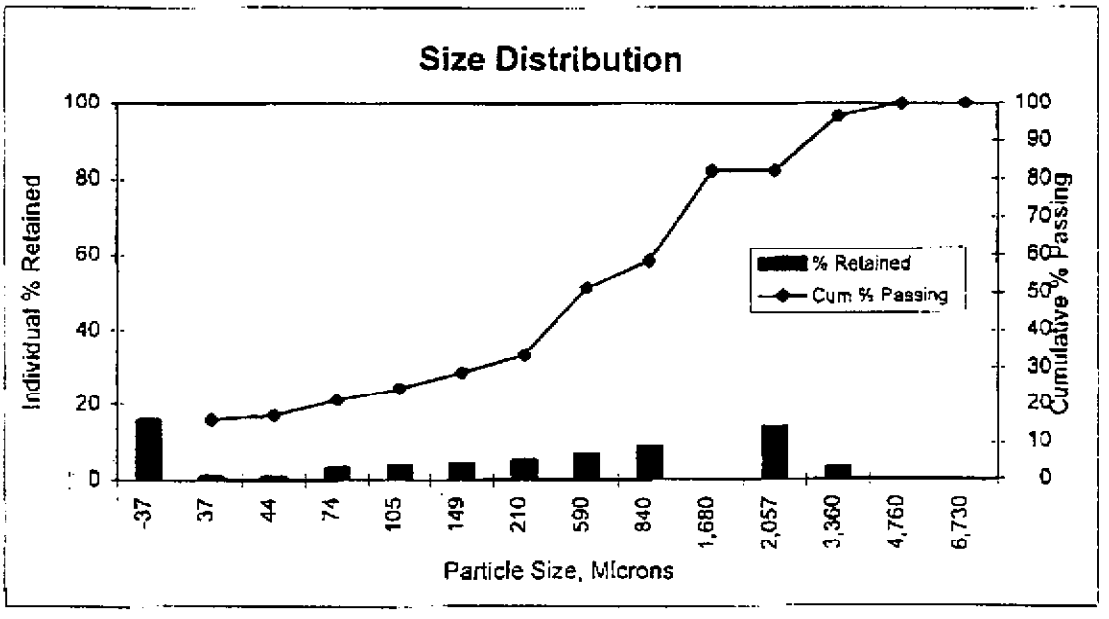
SIZE ANALYSIS REPORT

Test: Comp 1
Grind Time: As Received
Sample: Head

Date : May 14, 1997
Project : 97-053

Sieve Size		Individual Percentage Retained	Cumulative Percentage Passing
Tyler Mesh	Microns		
6	3,360	3.4	96.6
9	2,057	14.3	82.3
14	1,190	14.4	67.9
20	840	9.3	58.6
28	590	7.2	51.4
35	420	6.4	45.0
48	297	6.0	39.0
65	210	5.4	33.6
100	149	4.7	28.9
150	105	4.2	24.7
200	74	3.5	21.2
270	53	2.9	18.3
325	44	1.0	17.3
400	37	1.1	16.1
Undersize	- 37	16.1	
TOTAL:		100.0	

80% Passing Size (µm) = 1,897



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PRELIMINARY RESULTS
SUBJECT TO REVIEW

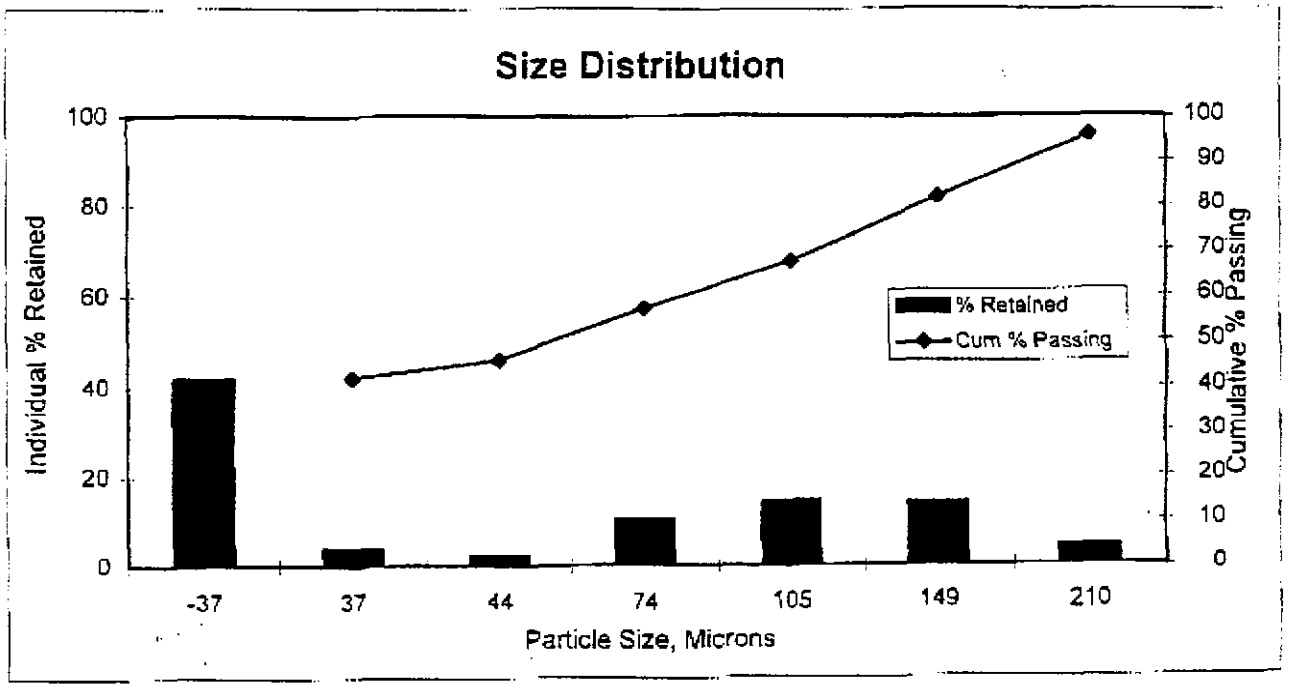
SIZE ANALYSIS REPORT

Test: GK-01
Grind Time: 38 minutes
Sample: Composite 1

Date : May 21, 1997
Project : 97-053

Sieve Size		Individual Percentage Retained	Cumulative Percentage Passing
Tyler Mesh	Microns		
65	210	4.2	95.8
100	149	14.0	81.8
150	105	14.3	67.4
200	74	10.2	57.2
270	53	8.7	48.6
325	44	2.5	46.1
400	37	4.0	42.1
Undersize	- 37	42.1	
TOTAL:		100.0	

80% Passing Size (µm) = 143



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PRELIMINARY RESULTS SUBJECT TO REVIEW

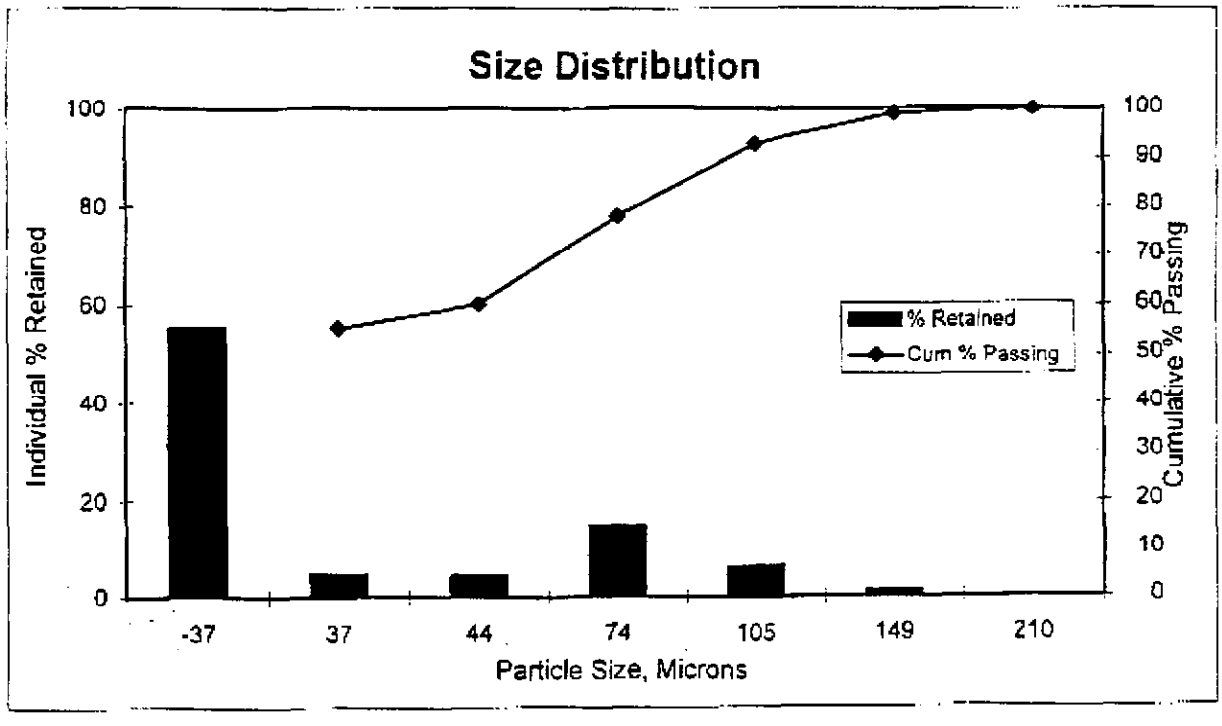
SIZE ANALYSIS REPORT

Test: L-02
Grind Time: 48 minutes
Sample: Leach Residue

Date : May 27, 1997
Project : 97-053

Sieve Size		Individual Percentage Retained	Cumulative Percentage Passing
Tyler Mesh	Microns		
65	210	0.0	100.0
100	149	1.1	98.9
150	105	6.1	92.8
200	74	14.8	78.0
270	53	13.7	64.3
325	44	4.2	60.1
400	37	4.7	55.4
Undersize	- 37	55.4	
TOTAL:		100.0	

80% Passing Size (µm) = 78



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Company:	First Point Minerals Corp.	**Date:**	May 29, 1997
Attention:	Peter Bradshaw	**Fax:**	5
FAX Number:	(604) 681-8799	**Project:**	97-053
From:	Bryan Tatterson	**No. of pages (including this page):**	9

The draft results of the test results on the W.L.I.M.S./Leach Test are attached.

As mentioned in the last Fax the test was carried out as discussed with Morris Beattie. The sample was milled to about 70% minus 200 mesh to liberate the awaruite and magnetite and passed through a Sala WLIMS Drum Separator. Rougher and scavenger concentrates were collected and combined. The combined magnetic concentrate produced was given a 24 hour sulphuric acid leach at pH 1.5. All test products were sampled for assay.

Overall Balance	Weight	Assay (%)			Distribution (%)		
	(%)	Fe	Ni	Co	Fe	Ni	Co
Leach Solution	1.6				2.4	26.6	7.6
Leach Residue	16.7	20.00	0.553	0.036	56.3	30.5	29.9
Magnetic Concentrate	**18.3**	**18.80**	**0.856**	**0.043**	**58.7**	**57.1**	**37.6**
Non-Magnetics	81.7	2.96	0.144	0.016	41.3	42.9	62.4
Total	100.0				100.0	100.0	100.0

The magnetic concentrate produced resulted in grade increases of Fe, Ni and Co but the recoveries obtained were only 59%, 57% and 38% respectively. A size analysis of the leach residue showed that the grind was possibly still too coarse at a P_{80} of 113 µm compared to the L-02 leach residue P_{80} of 78 µm. A finer grind could possibly have resulted in greater separation selectivity with resulting higher grades. Additional tests are indicated.

The leach Ni dissolution of was 46.6% after 24 hours giving an overall Test Ni recovery of 26.6%. The leach kinetic curve indicated that, under the test conditions used, longer leach times would be beneficial. Changes to the grind and potentially higher grade of the W.L.I.M.S. concentrate would require investigation to determine the optimum leach conditions of time, temperature, pressure or pH.

The leach acid consumption was reduced to 144 kg/tonne by the removal of some of the acid consuming minerals into the W.L.I.M.S. tailing. The L-02 consumption was 194

kg/tonne. Improvements to the W.L.I.M.S. separation selectivity could result in a further decrease of the acid consumption. The following table shows the rate of acid addition during the test in order to maintain the required pH of 1.5.

Time Period	Actual Time (Hours)	Acid Addition (kg H_2SO_4/tonne)	Acid Addition Rate (kg H_2SO_4/tonne/hr)
		L-03	L-03
Initial Period	0.92	96.7	105
Initial to 4 Hours	3.17	25.3	8.0
4 to 8 Hours	3.67	11.5	3.1
8 to 24 Hours	16.33	25.3	1.5
Test Total	24.08	158.8	6.6

Most of the acid requirement was for reducing the pH from 9.4 and stabilizing at 1.5. As can be seen from the table extending the leach time should result in only a small increase in acid requirement

The recommendations for any further tests are:

1. Optimize grind/magnetic selectivity relationship.
2. Inclusion of a W.L.I.M.S. Cleaning Step.
3. Optimize Leach conditions.

The core samples have arrived and I am attaching the note from Ursula Mowat which accompanied the samples.

If you have any questions please contact me.

Regards,

Copy to Morris Beattie Fax No. 263-0695

Attachments:

Ursula Mowat's Note		1 page
Magnetic Separation Test		1 page
Leach Test Report	L-02 & L-03	2 pages
Size Analyses	L-02 & L-03 Residue	2 pages
Size Analyses	Head Sample	1 pages

WET MAGNETIC SEPARATION TEST METALLURGICAL BALANCE

Test: MS-03 **Date:** June 5, 1997

Grind: 44 Minutes, P_{80} = 113 µm **Project:** 97-053

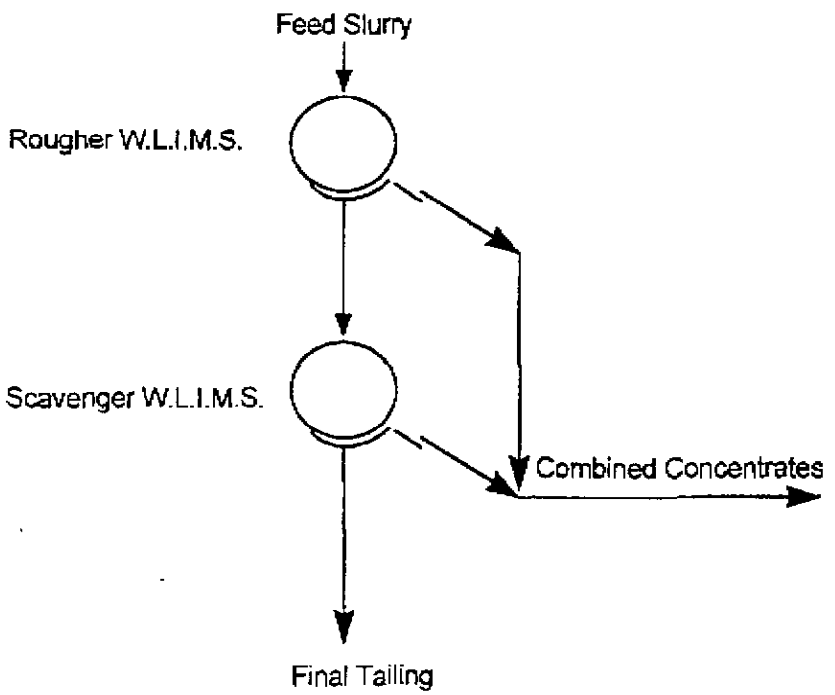
Sample: Composite 1

Objective: Concentration of Awaruite (FeNi Alloy)

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
Magnetic Concentrate	602.6	18.3	18.80	0.856	0.043	58.7	57.1	37.6
Non-Magnetics	2,689.7	81.7	2.96	0.144	0.016	41.3	42.9	62.4
Total	3,292.3	100.0	5.86	0.274	0.021	100.0	100.0	100.0
Measured			5.20	0.228	0.011			

Overall Balance	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
Leach Solution	53.5	1.6				2.4	26.6	7.6
Leach Residue	549.0	16.7	20.00	0.553	0.036	56.3	30.5	29.9
Magnetic Concentrate	**602.6**	**18.3**	**18.80**	**0.856**	**0.043**	**58.7**	**57.1**	**37.6**
Non-Magnetics	2,689.7	81.7	2.96	0.144	0.016	41.3	42.9	62.4
Total	3,292.3	100.0				100.0	100.0	100.0

W.L.I.M.S. MAGNETIC SEPARATION TEST



AWARUITE METAL RECOVERY STUDY

SULPHURIC ACID LEACH

Test: L-03
Sample: Composite 1

Date : June 05, 1997
Project: 97-053

LEACH CONDITIONS

Solids:	511 g
Solution :	678 g
Solids :	43 %
Grind Size - P_{80} :	113 μm
Temperature:	Ambient °C
pH :	1.5
Test Duration :	24 hours

TEST DESCRIPTION - TANK LEACH

- solids were ground for 44 minutes at 65% solids
- a W.L.I.M.S Test was carried out using a SALA drum.
- magnetic concentrates were repulped to 50% solids
- adjusted to, and maintained at pH 1.5
- sampled at 4 and 8 hours
- test ended after 24 hours
- filtered and displacement washed with pH 1.5 solution followed by a hot water displacement wash.
- solution and solids assayed for Fe, Ni & Co content

Leaching Profile

Time Hours	Slurry Mass (g)	PLS Volume (mL)	H_2SO_4 Added (kg/tonne)	Temp (°C)	pH	ORP (mV)	Aliquot Volume (mL)
0.0	1,188.7	613		15	9.40	115	
1.0			96.7		1.50		
4.0	1,300.5	755	25.3	21	1.50	326	10
8.0	1,333.0	785	11.5	21	1.50	328	10
24.0	1,350.9	801	25.3	21	1.50	334	
			158.8				
	H_2SO_4 Consumption =		144.1	kg/tonne			

Solution Assays (mg/L)

	Fe	Ni	Co	H_2SO_4
Aliquot @ 4 hours	2,894	1,221	32.5	
Aliquot @ 8 hours	3,301	1,566	38.5	
PLS	4,875	2,767	52.5	9,360
Wash Solutions	609	365	7.5	

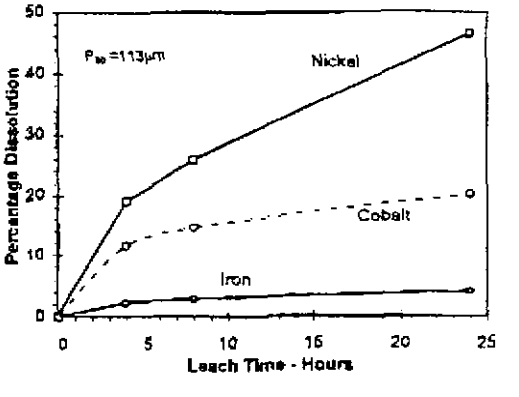
Solids Assays (%)

	Fe	Ni	Co
Head (assay)	18.80	0.856	0.043
Head (calculated)	18.00	0.943	0.041
Residue	20.00	0.553	0.036

Distribution (%)

	Fe	Ni	Co
Leached @ 4 hours	2.25	19.14	11.67
Leached @ 8 hours	2.73	26.01	14.67
Leached @ 24 hours	4.08	46.56	20.32
Leach Residue	95.92	53.44	79.68
Total	100.00	100.00	100.00

Chart 3 = Metal Dissolution L-03
W.L.I.M.S. Magnetic Conc.



SIZE ANALYSIS REPORT

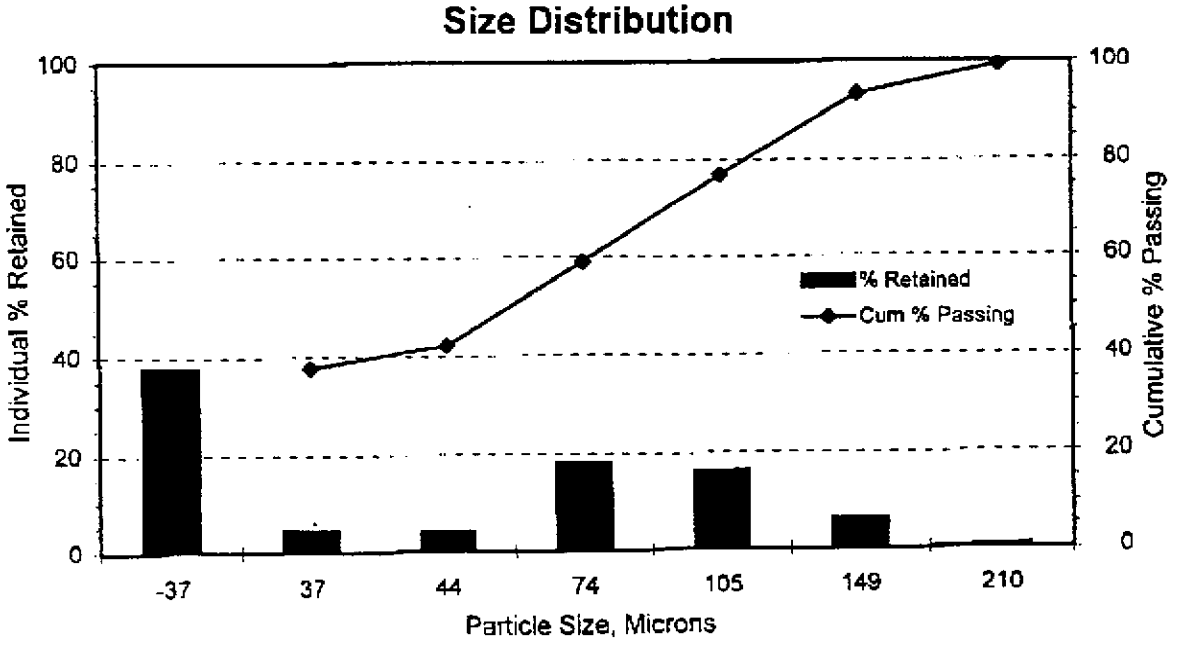
Test: L-03 **Date :** June 9, 1997

Sample: Leach Residue **Project :** 97-053

Grind Time: 44 minutes at 65% solids in stainless steel rod mill.

Sieve Size		Individual Percentage Retained	Cumulative Percentage Passing
Tyler Mesh	Microns		
65	210	0.7	99.3
100	149	6.0	93.3
150	105	16.3	77.0
200	74	17.9	59.0
270	53	12.6	46.5
325	44	4.2	42.2
400	37	4.5	37.7
Undersize	- 37	37.7	
TOTAL:		100.0	

80% Passing Size (µm) = 113



Process Research Associates Ltd.

AWARUITE METAL RECOVERY STUDY

SULPHURIC ACID LEACH

Test: L-02 **Date :** May 18, 1997
Sample: Composite 1 **Project:** 97-053

LEACH CONDITIONS

Solids:	974 g
Solution :	978 g
Solids :	50 %
Grind Size - P_{80} :	78 μm
Temperature:	Ambient °C
pH :	1.5
Test Duration :	24 hours

TEST DESCRIPTION - TANK LEACH

- solids were ground for 48 minutes at 65% solids
- repulped to 50% solids
- adjusted to, and maintained at pH 1.5
- sampled at 4 and 8 hours
- test ended after 24 hours
- filtered and displacement washed with pH 1.5 solution followed by a hot water displacement wash.
- solution and solids assayed for Fe, Ni & Co content

Leaching Profile

Time Hours	Slurry Mass (g)	PLS Volume (mL)	H_2SO_4 Added (kg/tonne)	Temp (°C)	pH	ORP (mV)	Aliquot Volume (mL)
0.0	1,952.0	845		15	8.40	115	
0.3			60.4	23	1.50		
4.0	2,250.3	1197	66.4	21	1.50	326	10
8.0	2,356.3	1289	24.1	21	1.50	328	10
24.0	2,496.3	1410	62.8	21	1.50	334	
			213.7				
	H_2SO_4 Consumption =		194.4	kg/tonne			

Solution Assays (mg/L)

	Fe	Ni	Co	H_2SO_4
Aliquot @ 4 hours	2,500	690	21.5	
Aliquot @ 8 hours	2,900	812	22.0	
PLS	3,400	994	22.0	13,340
Wash Solutions	1,620	457	8.3	

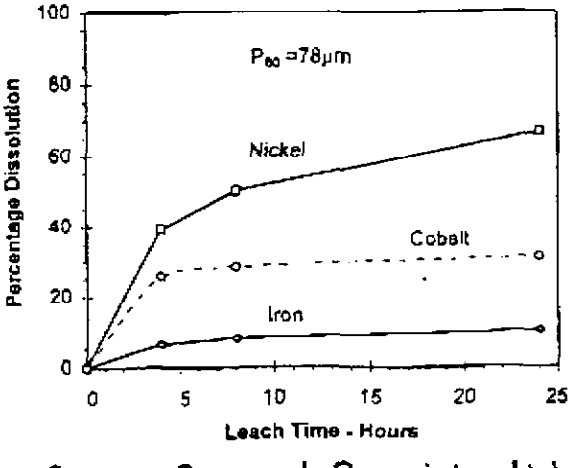
Solids Assays (%)

	Fe	Ni	Co
Head (assay)	5.20	0.228	0.011
Head (calculated)	4.97	0.217	0.010
Residue	5.04	0.081	0.008

Distribution (%)

	Fe	Ni	Co
Leached @ 4 hours	6.18	39.03	25.58
Leached @ 8 hours	7.82	50.10	28.61
Leached @ 24 hours	10.01	66.92	31.26
Leach Residue	89.99	33.08	68.74
Total	100.00	100.00	100.00

Chart 2 = Metal Dissolution L-02



SIZE ANALYSIS REPORT

Test: L-02 **Date :** May 27, 1997

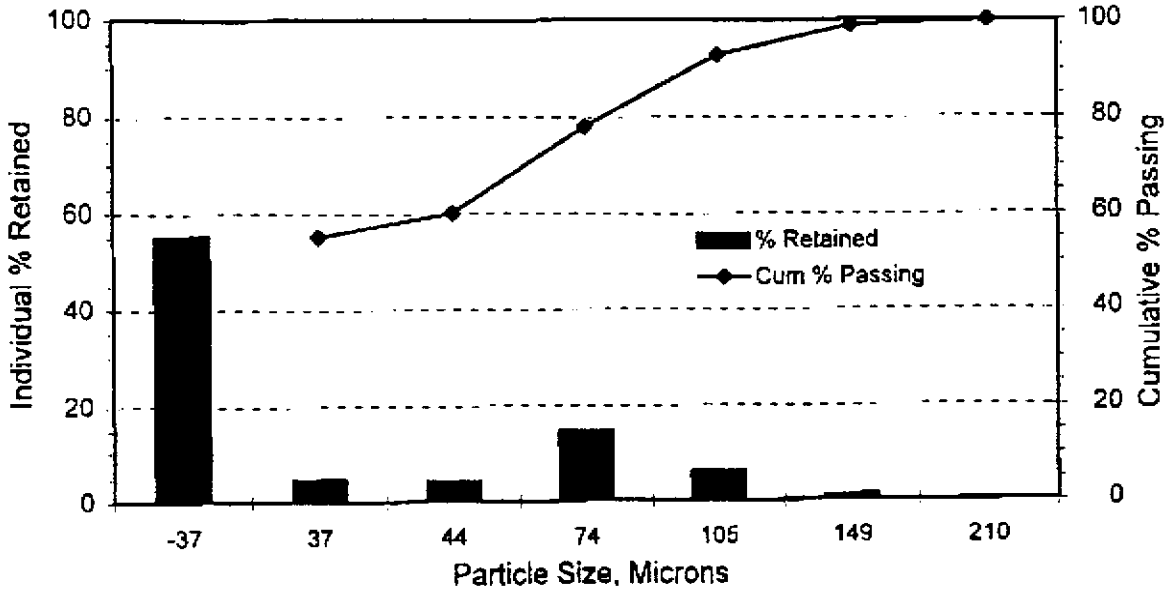
Sample: Leach Residue **Project :** 97-053

Grind Time: 48 minutes at 65% solids in stainless steel rod mill.

Sieve Size		Individual Percentage Retained	Cumulative Percentage Passing
Tyler Mesh	Microns		
65	210	0.0	100.0
100	149	1.1	98.9
150	105	6.1	92.8
200	74	14.8	78.0
270	53	13.7	64.3
325	44	4.2	60.1
400	37	4.7	55.4
Undersize	- 37	55.4	
TOTAL:		100.0	

80% Passing Size (µm) = 78

Size Distribution



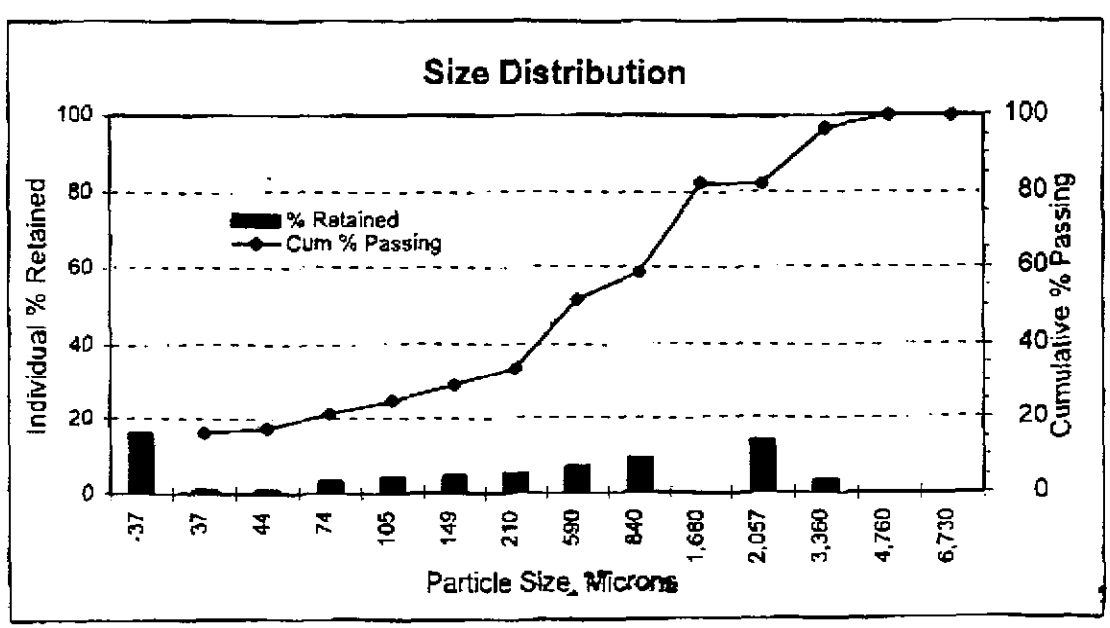
Process Research Associates Ltd.

SIZE ANALYSIS REPORT

Test: Comp 1 **Date :** May 14, 1997
Sample: Head **Project :** 97-053
Grind Time: As Received

Sieve Size		Individual Percentage Retained	Cumulative Percentage Passing
Tyler Mesh	Microns		
6	3,360	3.4	96.6
9	2,057	14.3	82.3
14	1,190	14.4	67.9
20	840	9.3	58.6
28	590	7.2	51.4
35	420	6.4	45.0
48	297	6.0	39.0
65	210	5.4	33.6
100	149	4.7	28.9
150	105	4.2	24.7
200	74	3.5	21.2
270	53	2.9	18.3
325	44	1.0	17.3
400	37	1.1	16.1
Undersize	- 37	16.1	
TOTAL:		100.0	

80% Passing Size (µm) = 1,897



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E-mail: Bryan@PRAprocess.com

Company:	First Point Minerals Corp.	**Date:**	July 16, 1997
Attention:	Peter Bradshaw	**Fax:**	6
FAX Number:	(604) 681-8799	**Project:**	97-053
From:	Bryan Tatterson	**No. of pages (including this page):**	15

The draft results of the magnetic separation test results on the composite of the core sample [94-6 (245 - 300)] are attached. The head assays for the two composites are shown in Table 1 and the test summary in Table 2.

Table 1 - Head Assays

	% Fe	% Ni	% Co
Composite 1 (94 - 6)	5.28	0.224	0.011
Composite 2 (94 - 9)	5.28	0.233	0.012

The tests were carried out as instructed by Morris Beattie. Three test portions of the composite were milled to about 80% minus 150, 200 and 325 mesh to liberate the awaruite and magnetite. Each test comprised two passes through a Sala WLIMS Drum Separator. Rougher and scavenger concentrates were collected. The WLIMS tailings were then passed twice through the Davis Tube (WHIMS) which was set at 1,000 gauss for the first pass and 5,000 gauss for the final pass. In the test at the finest grind (MS-07) the tailings from the second WHIMS pass were passed through the Davis tube a further three times at the maximum setting of 7,360 gauss, collecting an additional magnetic fraction with each pass. All test products were sampled for assay.

Table 2 - Nickel Recovery Summary

Test	Weight %	% Ni	% Recovery
MS-05	28.8	0.55	63.1
MS-06	21.8	0.70	59.8
MS-07	25.7	0.64	63.2

Size analysis of the feed and tails from each test indicated that the magnetic fractions recovered were mainly from the coarser particle sizes (see Table 3). The overall results indicate that the recovery is largely independent of the grind sizes tested. The WHIMS nickel grades achieved in MS-07 (0.248%) showed improvement over the other two tests (MS-06 0.172% and MS-06 0.185%) indicating improved liberation at the finer grind.

Table 3 - Comparison of Feed and Tails Size Analysis

Test	Feed P_{80}	Tails P_{80}
MS-05	122	108
MS-06	89	84
MS-07	56	53

Most of the recovery took place in the W.L.I.M.S. rougher concentrate but the awaruite selectivity was poor in comparison to the gravity test. The Fe:Ni ratio's were 20:1 for the W.L.I.M.S. rougher concentrate compared to 23.6:1 in the feed and 3.5:1 in the Pan concentrate. The other magnetic concentrates all showed increasingly higher ratio's i.e., iron dilution of the concentrates.

The settling characteristics of the tails from each pass of the magnetic separation tests indicated that gravity concentration should be re-investigated in conjunction with magnetic separation. The initial test was carried out using a Knelson centrifugal concentrator which was probably an inappropriate choice of equipment. The pan concentrate (0.3 wt%) had grades of 45% Fe, 13% Ni and 0.26% Co significantly higher than in any of the other tests. The overall gravity concentrate mass recovery was 6.8% but the Ni recovery at 35.4% was low compared to the magnetic separation tests. A second scoping gravity concentration test using a shaking table is recommended.

Table 2 - Comparison of Test Results

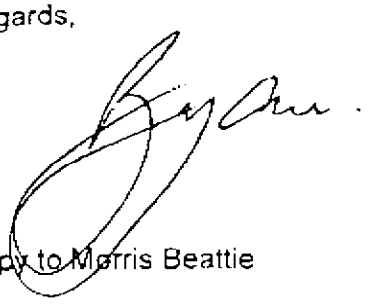
Overall Balance			Weight	Assay (%)			Distribution (%)		
Test	P_{80}		(%)	Fe	Ni	Co	Fe	Ni	Co
GK-01	155	Pan Concentrate	0.3	45.3	12.9	0.258	3.0	19.9	7.7
		Knelson Concentrate	6.8	14.3	1.16	0.032	18.4	35.4	18.9
MS-03	113	W.L.I.M.S Concentrate	18.3	18.8	0.856	0.043	58.7	57.1	37.6
MS-05	122	W.L.I.M.S Concentrate	19.9	15.5	0.719	0.031	57.2	57.0	29.9
		W.H.I.M.S Concentrate	9.0	4.75	0.172	0.018	7.9	6.2	7.8
		Total Concentrate	28.8	12.1	0.549	0.027	65.1	63.1	37.8
MS-06	89	W.L.I.M.S Concentrate	14.5	20.4	0.963	0.040	54.1	54.6	22.0
		W.H.I.M.S Concentrate	7.3	5.4	0.185	0.022	7.2	5.2	6.1
		Total Concentrate	21.8	15.4	0.704	0.034	61.2	59.8	28.2
MS-07	56	W.L.I.M.S Concentrate	19.9	16.1	0.750	0.038	57.9	57.6	31.3
		W.H.I.M.S Concentrate	5.9	6.09	0.248	0.028	6.5	5.6	6.9
		Total Concentrate	25.7	13.8	0.635	0.036	64.4	63.2	38.1

The recommendations for any further tests are:

1. Inclusion of a gravity separation step.
2. Inclusion of a W.L.I.M.S. Cleaning Step.
3. Optimize Leach conditions.

If you have any questions please contact me.

Regards,



Copy to Morris Beattie Fax No. 263-0695

Attachments:

1	Gravity Concentration Test Report	GK-01	1 page
2	Magnetic Separation Test	MS-03	1 page
3	Magnetic Separation Test Summary	MS-05, 06 & 07	1 page
4	Feed Size Analyses	MS-05	1 page
5	Tail Size Analyses	MS-05	1 page
6	Magnetic Separation Test	MS-05	1 page
7	Feed Size Analyses	MS-06	1 page
8	Tail Size Analyses	MS-06	1 page
9	Magnetic Separation Test	MS-06	1 page
10	Feed Size Analyses	MS-07	1 page
11	Tail Size Analyses	MS-07	1 page
12	Magnetic Separation Test	MS-07	1 page

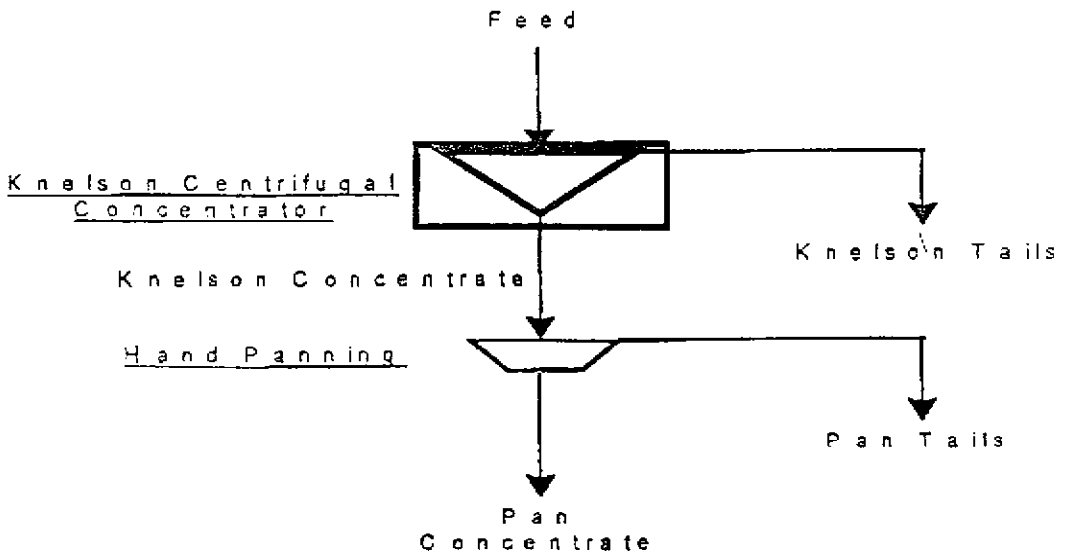
GRAVITY CONCENTRATION TEST REPORT

Test: GK-01
Grind: 38 Minutes. P_{80}=155 µm
Sample: Composite 1

Date: May 21, 1997
Project : 97-053

Products	Weight		Assay			Distribution		
	(g)	(%)	Fe (%)	Ni (%)	Co (%)	Fe (%)	Ni (%)	Co (%)
Pan Concentrate	3.4	0.3	45.30	12.9	0.258	3.0	19.9	7.7
Pan Tails	63.9	6.4	12.60	0.535	0.020	15.4	15.5	11.2
Total Knelson Conc.	**67.3**	**6.8**	**14.26**	**1.161**	**0.032**	**18.4**	**35.4**	**18.9**
Knelson Tails	927.6	93.2	4.59	0.154	0.010	81.6	64.6	81.1
Total	**994.9**	**100.0**	**5.24**	**0.222**	**0.011**	**100.0**	**100.0**	**100.0**
Measured			5.20	0.228	0.01			

3" KNELSON TEST PROCEDURE



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WET MAGNETIC SEPARATION TEST METALLURGICAL BALANCE

Test: MS-03 **Date:** June 5, 1997

Grind: 44 Minutes. P_{80} = 113 µm **Project:** 97-053

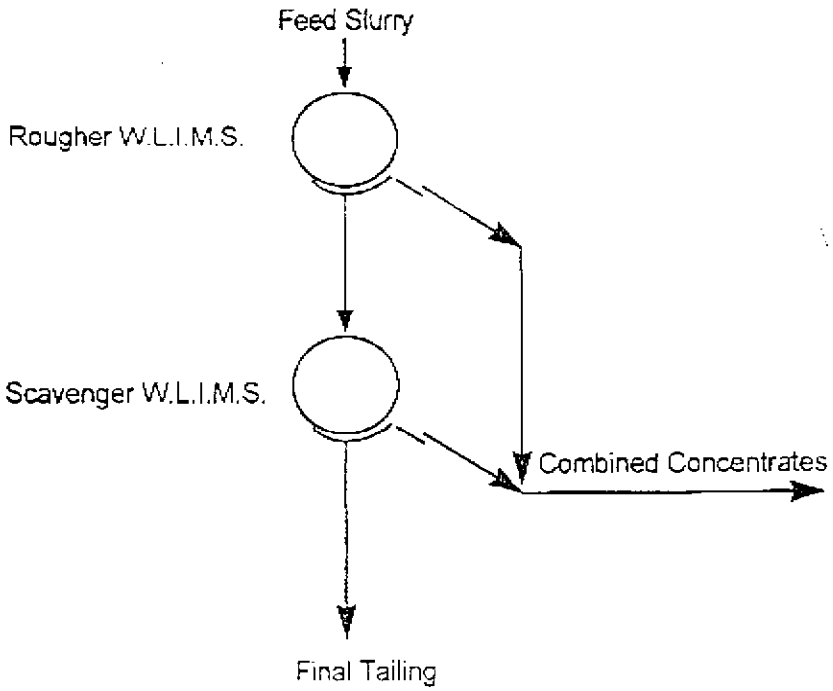
Sample: Composite 1

Objective: Concentration of Awaruite (FeNi Alloy)

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
Magnetic Concentrate	602.6	18.3	18.80	0.856	0.043	58.7	57.1	37.6
Non-Magnetics	2,689.7	81.7	2.96	0.144	0.016	41.3	42.9	62.4
Total	3,292.3	100.0	5.86	0.274	0.021	100.0	100.0	100.0
Measured			5.20	0.228	0.011			

Overall Balance	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
Leach Solution	53.5	1.6				2.4	26.6	7.6
Leach Residue	549.0	16.7	20.00	0.553	0.036	56.3	30.5	29.9
Magnetic Concentrate	602.6	18.3	18.80	0.856	0.043	58.7	57.1	37.6
Non-Magnetics	2,689.7	81.7	2.96	0.144	0.016	41.3	42.9	62.4
Total	3,292.3	100.0				100.0	100.0	100.0

W.L.I.M.S. MAGNETIC SEPARATION TEST



WET MAGNETIC SEPARATION TEST METALLURGICAL BALANCE

Test: MS-05 **Date:** July 9, 1997

Grind: 23 Minutes. P_{80} = 122 µm **Tail:** P_{80} = 108 µm **Project:** 97-053

Sample: Composite 2

Objective: Concentration of Awaruite (FeNi Alloy)

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
Sala Magnetic Concentrate 1	105.9	11.7	22.20	1.070	0.040	48.4	50.0	22.6
Sala Magnetic Concentrate 2	73.6	8.1	5.80	0.214	0.018	8.8	6.9	7.1
Total Sala Concentrates	**179.5**	**19.9**	**15.48**	**0.719**	**0.031**	**57.2**	**57.0**	**29.9**
Davis Tube Magnetic Concentrate 1	2.4	0.3	3.00	0.136	0.018	0.1	0.1	0.2
Davis Tube Magnetic Concentrate 2	78.7	8.7	4.80	0.173	0.018	7.8	6.0	7.6
Total Davis Tube Concentrate	**81.1**	**9.0**	**4.75**	**0.172**	**0.018**	**7.9**	**6.2**	**7.8**
Total Magnetic Concentrates	**260.6**	**28.8**	**12.14**	**0.549**	**0.027**	**65.1**	**63.1**	**37.8**
Non-Magnetics	643.0	71.2	2.64	0.130	0.018	34.9	36.9	62.2
Total	903.6	100.0	5.38	0.251	0.021	100.0	100.0	100.0
Measured			5.28	0.224	0.011			

Test: MS-06 **Feed Grind:** 26 Minutes. P_{80} = 89 µm **Tail:** P_{80} = 84 µm

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
Sala Magnetic Concentrate 1	116.2	12.3	22.00	1.070	0.042	49.4	51.3	19.8
Sala Magnetic Concentrate 2	21.0	2.2	11.60	0.370	0.026	4.7	3.2	2.2
Total Sala Concentrates	**137.1**	**14.5**	**20.41**	**0.963**	**0.040**	**54.1**	**54.6**	**22.0**
Davis Tube Magnetic Concentrate 1	0.0	0.0				0.0	0.0	0.0
Davis Tube Magnetic Concentrate 2	68.6	7.3	5.40	0.185	0.022	7.2	5.2	6.1
Total Davis Tube Concentrate	**68.6**	**7.3**	**5.40**	**0.185**	**0.022**	**7.2**	**5.2**	**6.1**
Total Magnetic Concentrates	**205.7**	**21.8**	**15.40**	**0.704**	**0.034**	**61.2**	**59.8**	**28.2**
Non-Magnetics	737.3	78.2	2.72	0.132	0.024	38.8	40.2	71.8
Total	943.0	100.0	5.49	0.257	0.026	100.0	100.0	100.0
Measured			5.28	0.224	0.011			

Test: MS-07 **Feed Grind:** 30 Minutes. P_{80} = 56 µm **Tail:** P_{80} = 53 µm

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
Sala Magnetic Concentrate 1	129.7	15.5	17.80	0.864	0.040	49.9	51.6	25.7
Sala Magnetic Concentrate 2	37.1	4.4	10.00	0.350	0.030	8.0	6.0	5.5
Total Sala Concentrates	**166.8**	**19.9**	**16.07**	**0.750**	**0.038**	**57.9**	**57.6**	**31.3**
Davis Tube Magnetic Concentrate 1	0.0	0.0				0.0	0.0	0.0
Davis Tube Magnetic Concentrate 2	17.7	2.1	6.80	0.259	0.028	2.6	2.1	2.5
Davis Tube Magnetic Concentrate 3	18.7	2.2	6.00	0.253	0.030	2.4	2.2	2.8
Davis Tube Magnetic Concentrate 4	9.0	1.1	5.00	0.220	0.026	1.0	0.9	1.2
Davis Tube Magnetic Concentrate 5	3.7	0.4	5.80	0.235	0.024	0.5	0.4	0.4
Total Davis Tube Concentrate	**49.2**	**5.9**	**6.09**	**0.248**	**0.028**	**6.5**	**5.6**	**6.9**
Total Magnetic Concentrates	**215.9**	**25.7**	**13.79**	**0.635**	**0.036**	**64.4**	**63.2**	**38.1**
Non-Magnetics	623.3	74.3	2.64	0.128	0.020	35.6	36.8	61.9
Total	839.2	100.0	5.51	0.259	0.024	100.0	100.0	100.0
Measured			5.28	0.224	0.011			

SIZE ANALYSIS REPORT

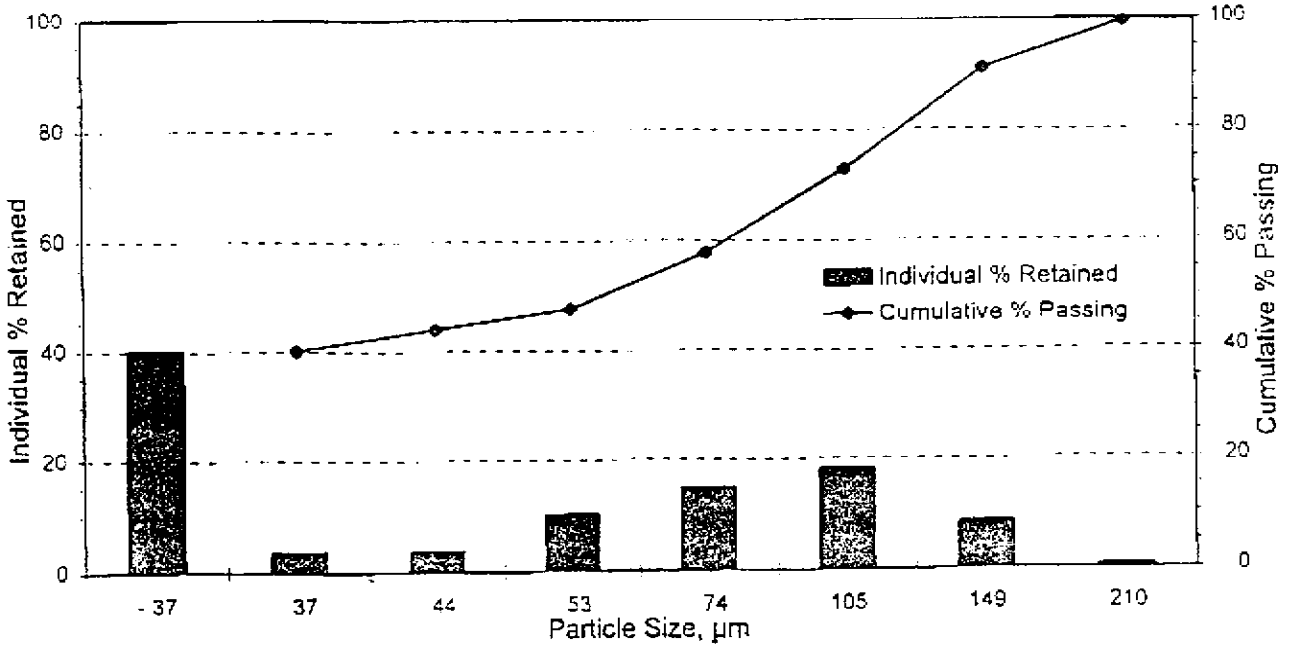
Test: MS-05
Sample: Composite 2 (11691)
Grind: 23 minutes at 65% solids in stainless steel rod mill.

Date: July 8, 1997
Project: 97-053

Sieve Size		Individual	Cumulative
Tyler Mesh	Micrometers	% Retained	% Passing
65	210	0.6	99.4
100	149	8.4	91.0
150	105	18.2	72.8
200	74	14.9	57.9
270	53	10.2	47.7
325	44	3.7	44.0
400	37	3.8	40.2
Undersize	- 37	40.2	-
TOTAL:		100.0	

80 % Passing Size (µm) = 121.8

Size Distribution



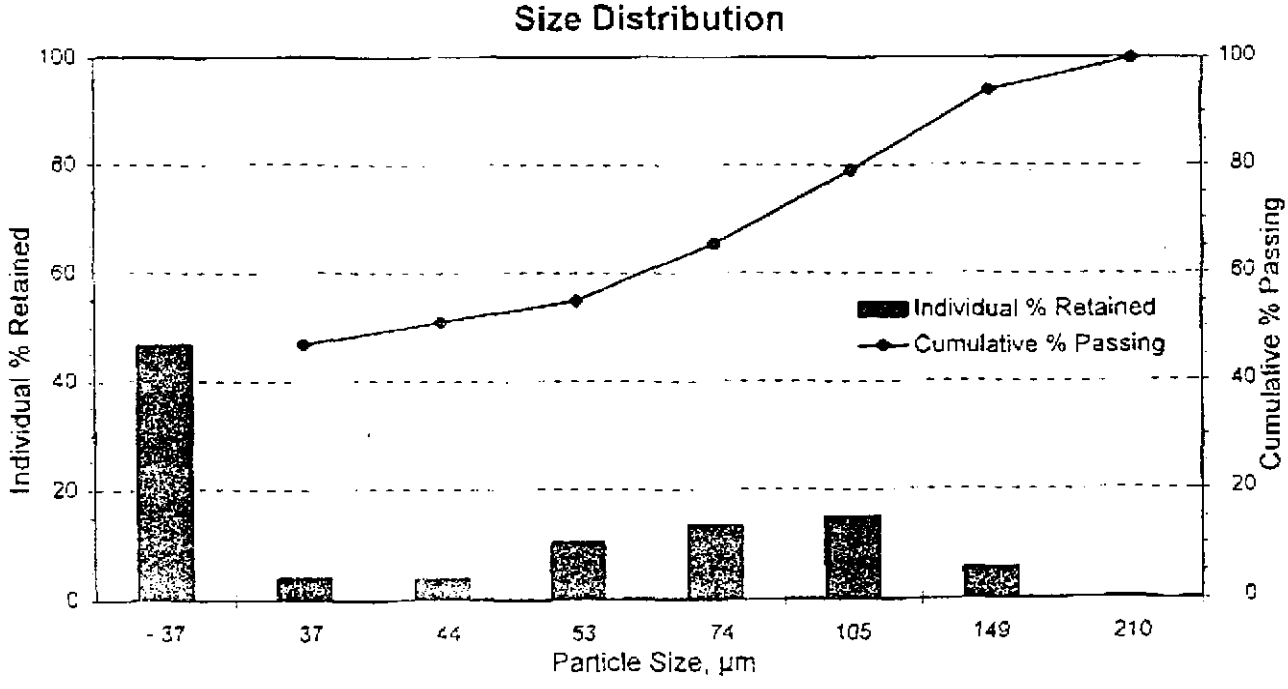
Process Research Associates Ltd.

SIZE ANALYSIS REPORT

Test: MS-05 (WLIMS) **Date:** July 10, 1997
Sample: Non-Magnetics **Project:** 97-053
Grind: 23 minutes at 65% solids in stainless steel rod mill.

Sieve Size		Individual	Cumulative
Tyler Mesh	Micrometers	% Retained	% Passing
65	210	0.3	99.7
100	149	5.7	94.0
150	105	15.0	79.0
200	74	13.5	65.4
270	53	10.4	55.1
325	44	4.0	51.0
400	37	4.2	46.9
Undersize	- 37	46.9	-
TOTAL:		100.0	

80 % Passing Size (µm) = 107.8



Process Research Associates Ltd.

WET MAGNETIC SEPARATION TEST METALLURGICAL BALANCE

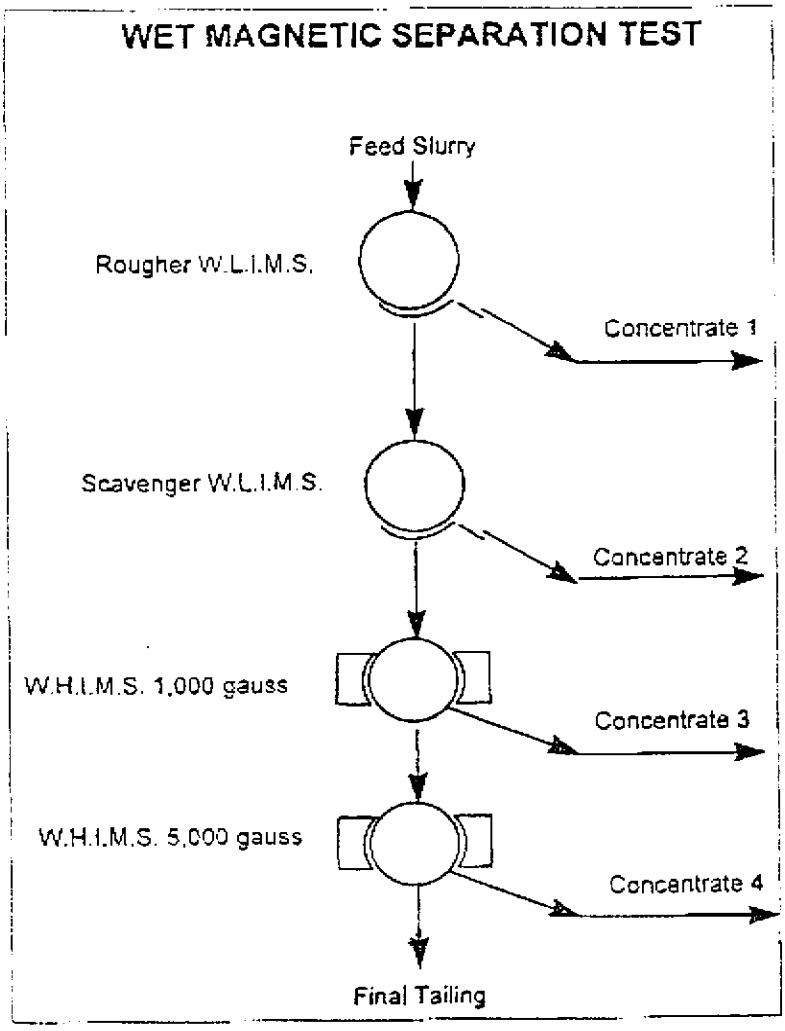
Test: MS-05 **Date:** July 9, 1997

Grind: 23 Minutes, P_{80} = 122 µm **Project:** 97-053

Sample: Composite 2

Objective: Concentration of Awaruite (FeNi Alloy)

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
Sala Magnetic Concentrate 1	105.9	11.7	22.20	1.070	0.040	48.4	50.0	22.8
Sala Magnetic Concentrate 2	73.6	8.1	5.80	0.214	0.018	8.8	6.9	7.1
Total Sala Concentrates	**179.5**	**19.9**	**15.48**	**0.719**	**0.031**	**57.2**	**57.0**	**29.9**
Davis Tube Magnetic Concentrate 1	2.4	0.3	3.00	0.136	0.018	0.1	0.1	0.2
Davis Tube Magnetic Concentrate 2	78.7	8.7	4.80	0.173	0.018	7.8	6.0	7.6
Total Davis Tube Concentrate	**81.1**	**9.0**	**4.75**	**0.172**	**0.018**	**7.9**	**6.2**	**7.8**
Total Magnetic Concentrates	**260.6**	**28.8**	**12.14**	**0.549**	**0.027**	**65.1**	**63.1**	**37.8**
Non-Magnetics	643.0	71.2	2.64	0.130	0.018	34.9	36.9	62.2
Total	903.6	100.0	5.38	0.251	0.021	100.0	100.0	100.0
Measured			5.28	0.224	0.011			

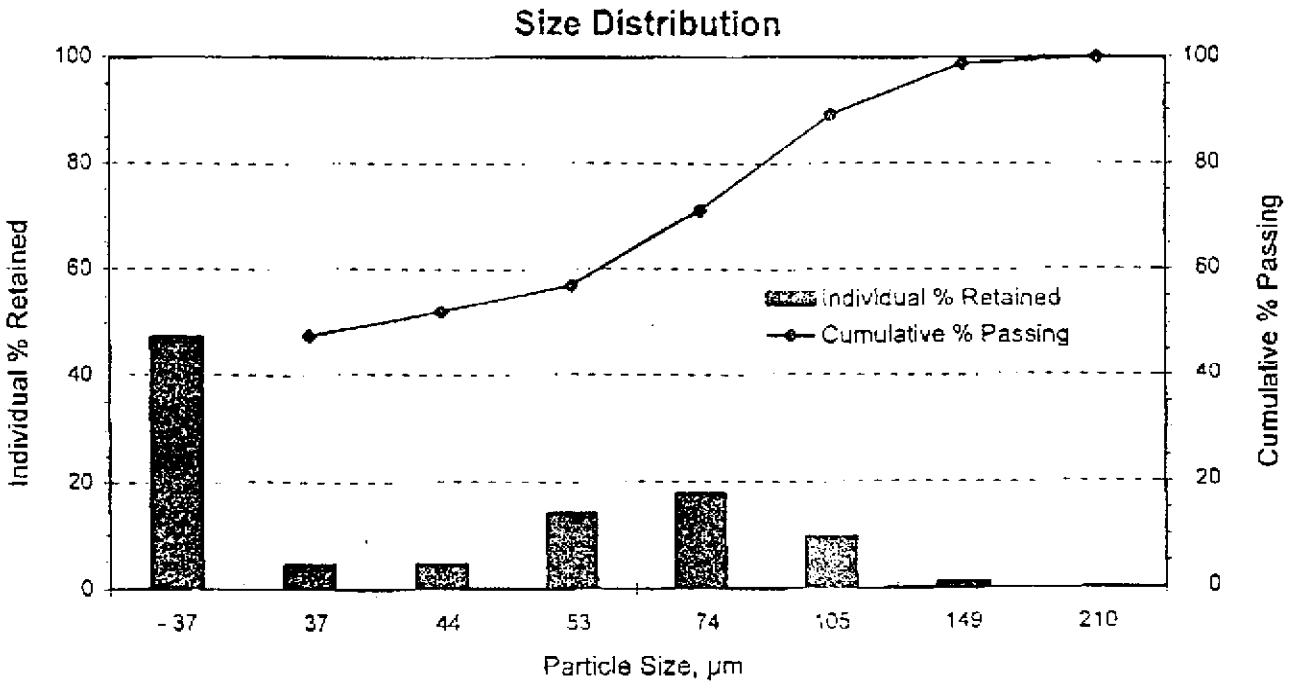


SIZE ANALYSIS REPORT

Test: MS-06 **Date:** July 8, 1997
Sample: Composite 2 (11691) **Project:** 97-053
Grind: 26 minutes at 65% solids in stainless steel rod mill.

Sieve Size		Individual	Cumulative
Tyler Mesh	Micrometers	% Retained	% Passing
65	210	0.0	100.0
100	149	1.2	98.8
150	105	9.7	89.1
200	74	17.9	71.2
270	53	14.2	57.0
325	44	4.8	52.1
400	37	4.6	47.5
Undersize	- 37	47.5	-
TOTAL:		100.0	

80 % Passing Size (µm) = 88.9



Process Research Associates Ltd.

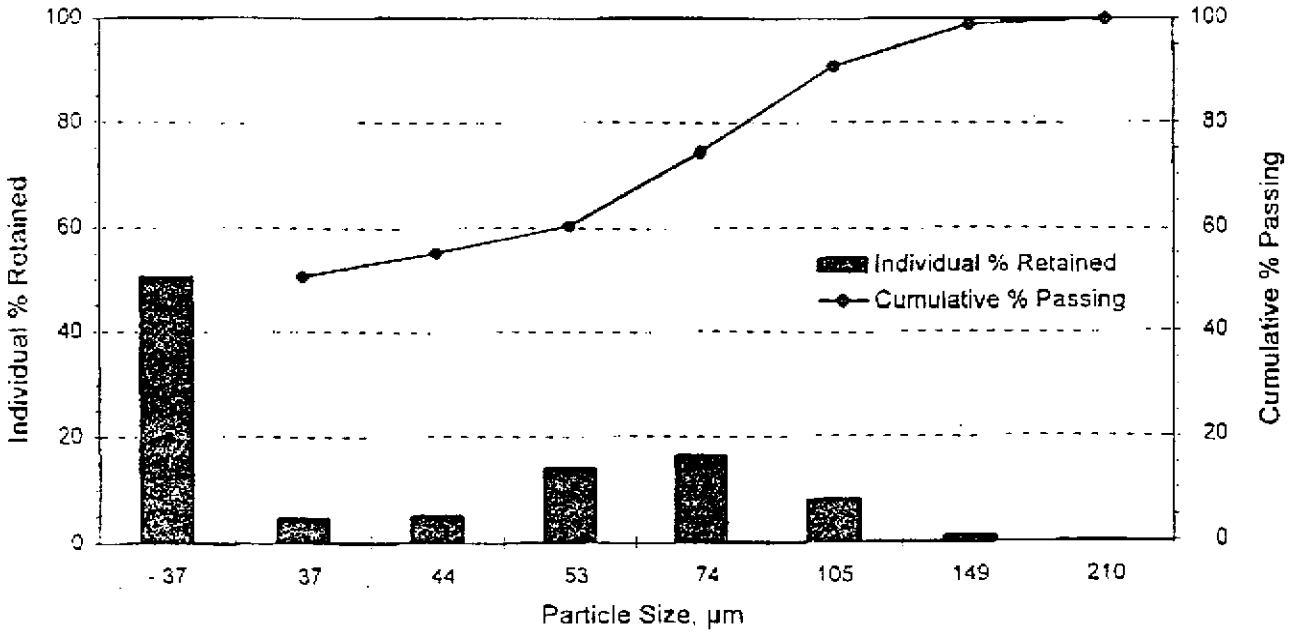
SIZE ANALYSIS REPORT

Test: MS-06 (WLIMS) **Date:** July 10, 1997
Sample: Non-Magnetics **Project:** 97-053
Grind: 26 minutes at 65% solids in stainless steel rod mill.

Sieve Size		Individual	Cumulative
Tyler Mesh	Micrometers	% Retained	% Passing
65	210	0.1	99.9
100	149	1.0	98.9
150	105	8.1	90.8
200	74	16.5	74.3
270	53	14.0	60.4
325	44	5.1	55.2
400	37	4.6	50.6
Undersize	- 37	50.6	-
TOTAL:		100.0	

80 % Passing Size (µm) = 84.3

Size Distribution



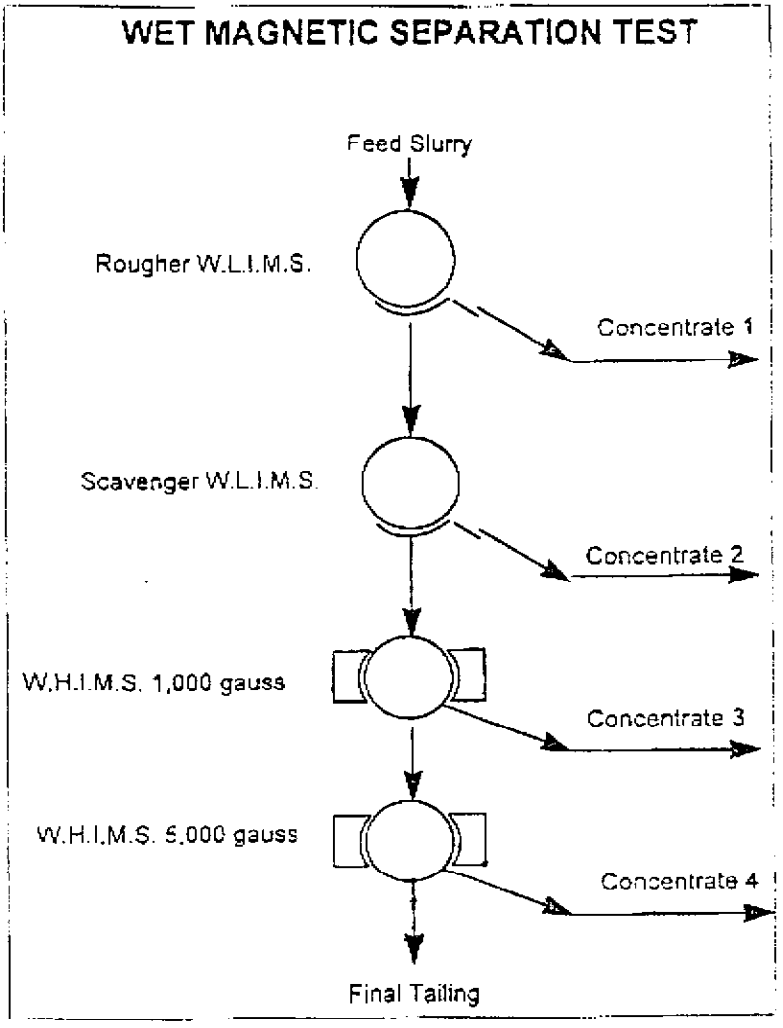
Process Research Associates Ltd.

WET MAGNETIC SEPARATION TEST METALLURGICAL BALANCE

Test: MS-06
Grind: 26 Minutes. P_{80} = 89 µm
Sample: Composite 2
Objective: Concentration of Awaruite (FeNi Alloy)

Date: July 9, 1997
Project: 97-053

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
Sala Magnetic Concentrate 1	116.2	12.3	22.00	1.070	0.042	49.4	51.3	19.8
Sala Magnetic Concentrate 2	21.0	2.2	11.60	0.370	0.026	4.7	3.2	2.2
Total Sala Concentrates	**137.1**	**14.5**	**20.41**	**0.963**	**0.040**	**54.1**	**54.6**	**22.0**
Davis Tube Magnetic Concentrate 1	0.0	0.0				0.0	0.0	0.0
Davis Tube Magnetic Concentrate 2	68.6	7.3	5.40	0.185	0.022	7.2	5.2	6.1
Total Davis Tube Concentrate	**68.6**	**7.3**	**5.40**	**0.185**	**0.022**	**7.2**	**5.2**	**6.1**
Total Magnetic Concentrates	**205.7**	**21.8**	**15.40**	**0.704**	**0.034**	**61.2**	**59.8**	**28.2**
Non-Magnetics	737.3	78.2	2.72	0.132	0.024	38.8	40.2	71.8
Total	943.0	100.0	5.49	0.257	0.026	100.0	100.0	100.0
Measured			5.28	0.224	0.011			

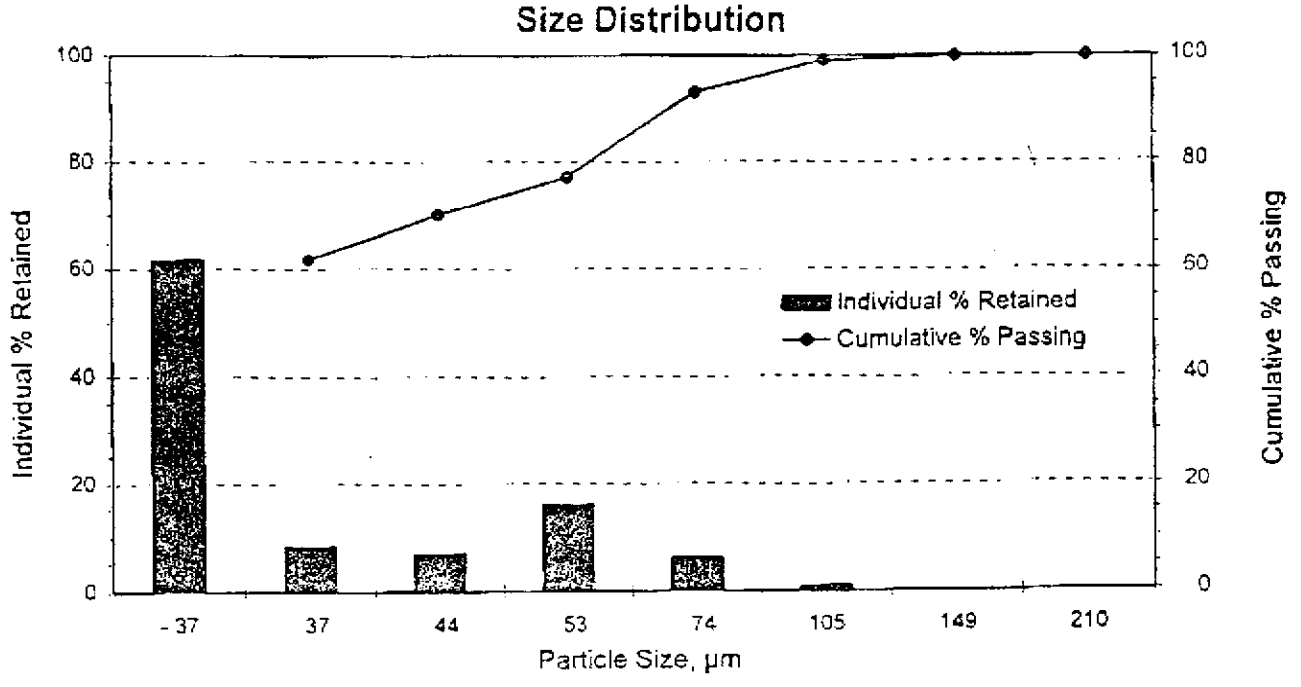


SIZE ANALYSIS REPORT

Test: MS-07 **Date:** July 8, 1997
Sample: Composite 2 (11691) **Project:** 97-053
Grind: 30 minutes at 65% solids in stainless steel rod mill.

Sieve Size		Individual	Cumulative
Tyler Mesh	Micrometers	% Retained	% Passing
65	210	0.0	100.0
100	149	0.1	99.9
150	105	0.9	99.0
200	74	6.1	92.9
270	53	15.9	77.0
325	44	6.9	70.1
400	37	8.3	61.8
Undersize	- 37	61.8	-
TOTAL:		100.0	

80 % Passing Size (µm) = 56.3



Process Research Associates Ltd.

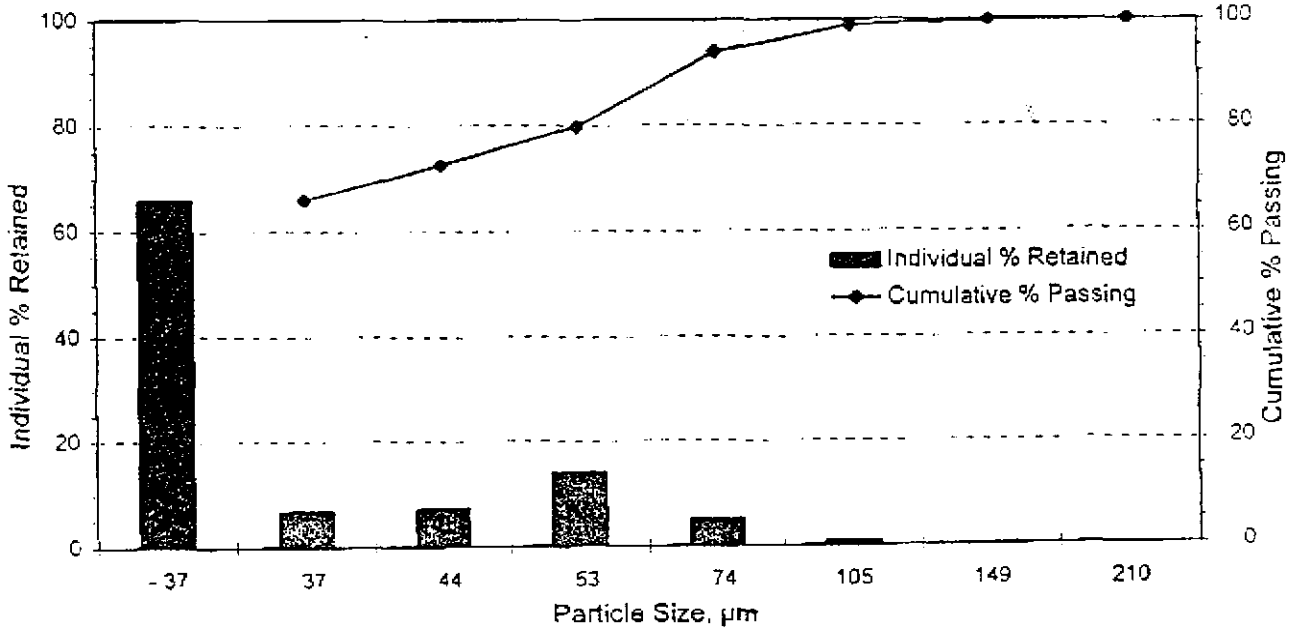
SIZE ANALYSIS REPORT

Test: MS-07 (WLIMS) **Date:** July 10, 1997
Sample: Non-Magnetics **Project:** 97-053
Grind: 23 minutes at 65% solids in stainless steel rod mill.

Sieve Size		Individual	Cumulative
Tyler Mesh	Micrometers	% Retained	% Passing
65	210	0.0	100.0
100	149	0.2	99.8
150	105	0.9	98.9
200	74	5.1	93.8
270	53	14.0	79.8
325	44	7.1	72.6
400	37	6.7	65.9
Undersize	- 37	65.9	-
TOTAL:		100.0	

80 % Passing Size (µm) = 52.8

Size Distribution



Process Research Associates Ltd.

WET MAGNETIC SEPARATION TEST METALLURGICAL BALANCE

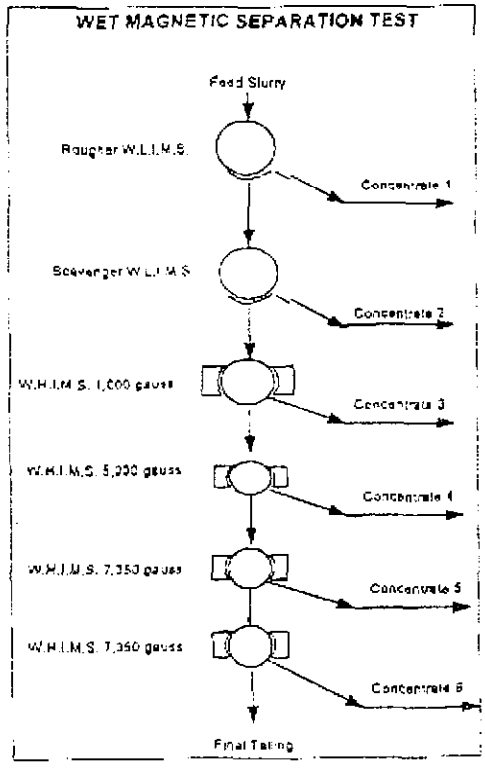
Test: MS-07 **Date:** July 9, 1997

Grind: 30 Minutes. P_{80} = 56 µm **Project:** 97-053

Sample: Composite 2

Objective: Concentration of Awaruite (FeNi Alloy)

Products	Weight		Assay (%)			Distribution (%)		
	(g)	(%)	Fe	Ni	Co	Fe	Ni	Co
Sala Magnetic Concentrate 1	129.7	15.5	17.80	0.864	0.040	49.9	51.6	25.7
Sala Magnetic Concentrate 2	37.1	4.4	10.00	0.350	0.030	8.0	6.0	5.5
Total Sala Concentrates	**166.8**	**19.9**	**16.07**	**0.750**	0.038	**57.9**	**57.6**	**31.3**
Davis Tube Magnetic Concentrate 1	0.0	0.0				0.0	0.0	0.0
Davis Tube Magnetic Concentrate 2	17.7	2.1	6.80	0.269	0.028	2.6	2.1	2.5
Davis Tube Magnetic Concentrate 3	18.7	2.2	6.00	0.253	0.030	2.4	2.2	2.8
Davis Tube Magnetic Concentrate 4	9.0	1.1	5.00	0.220	0.026	1.0	0.9	1.2
Davis Tube Magnetic Concentrate 5	3.7	0.4	5.80	0.235	0.024	0.5	0.4	0.4
Total Davis Tube Concentrate	**49.2**	**5.9**	**6.09**	**0.248**	**0.028**	**6.5**	**5.6**	**6.9**
Total Magnetic Concentrates	**215.9**	**25.7**	**13.79**	**0.635**	0.036	**64.4**	**63.2**	**38.1**
Non-Magnetics	623.3	74.3	2.64	0.128	0.020	35.6	36.8	61.9
Total	839.2	100.0	5.51	0.259	0.024	100.0	100.0	100.0
Measured			5.28	0.224	0.011			



BEATTIE CONSULTING LTD.

2955 WEST 38th AVENUE
VANCOUVER, B.C.
V6N 2X9

TEL: (604) 263 0695
FAX: (604) 263 0695
Internet: mbeattie@axionet.com

MEMORANDUM

TO: Bryan Tatterson, PRA

CC: Peter Bradshaw, First Point

FROM: Morris Beattie

DATE: July 17, 1997

RE: First Point Minerals - Nickel Project

Since the nickel recovery by magnetic concentration seems to be limited to about 50 - 55% (all recovery achieved after the Sala concentration was to products which assayed lower than the head grade), we would like to do some mineralogical work in order to determine the nature of the losses to the tails. The following work should be performed on the non-magnetic fraction from test MS-05.

Two samples should be prepared for mineralogical examination, one the total non-magnetic fraction and the second, a concentrate obtained by hand panning a 200 gram portion of the non-magnetics to produce a heavy minerals concentrate weighing a few grams. Both should be analyzed by means of optical microscopy and SEM to determine the nature of the remaining nickel so we can assess whether secondary preconcentration methods such as gravity concentration or flotation, etc have any reasonable probability of achieving high overall recovery to a concentrate.

Peter
Pl. L

FACSIMILE

PROCESS RESEARCH ASSOCIATES LTD.

9145 Shaughnessy Street
Vancouver, B.C.
Canada, V6P 6R9

Tel.: (604) 322-0118
Fax: (604) 322-0181
E-mail: Bryan@PRAprocess.com

Company:	First Point Minerals Corp.	**Date:**	July 25, 1997
Attention:	Peter Bradshaw	**Fax:**	7
FAX Number:	(604) 681-8799	**Project:**	97-053
From:	Bryan Tatterson	**No. of pages (including this page):**	4

The Vancouver Petrographics Mineralogical Report on the non-magnetics from test M-5 and a pan concentrate are attached. The SEM analysis will be carried out shortly.

The nickel appears to be in the serpentine which possibly explains why the leach dissolution is limited. The SEM will confirm this observation.

If you have any questions please contact Bern Klein as I will be away until August 6, 1997..

Regards,

Copy to Morris Beattie Fax No. 263-0695

Attachments:

1 Mineralogical Analysis Report 3 pages

Process Research Associates Ltd.
9145 Shaughnessy Street, Vancouver, B.C. V6P 6R9
Telephone:(604)322-0118 Fax:(604)322-0181

September 15, 1997

First Point Minerals Corp.
Suite 2170 - 1050 West Pender Street,
Vancouver, B.C.,
V6E 3S7

Attention: **Mr. Peter M.D. Bradshaw. - President**

Dear Peter,

re: **MINERALOGICAL AND SEM ANALYSIS REPORTS**

A sample of the non-magnetic product from magnetic separation test MS-5 conducted on a milled sample of the ore and a pan concentrate produced from the same non-magnetic product were examined with a Petrographic Microscope and with a Scanning Electron Microscope plus Energy Dispersive X-ray analyzer (SEM + EDX). The objective was to identify how the Ni occurs and specifically to identify the reason for the low recovery of metallic awaruite in the samples.

The nickel in the tailings (P_{80} = 108 µm) and the pan concentrates was found to be mainly in the form of awaruite inclusions (Ni_2Fe to Ni_3Fe) in some of the silicate host materials. The largest inclusions of awaruite found were about 6 to 8 µm in size but most were < 1 µm and ranged down to 0.1 µm. Similar sized particles of native iron were observed which contained little or no nickel. Not all of the silicate grains contained inclusions of awaruite and native iron. Finer grinding would be required to expose and/or liberate the awaruite particles prior to recovery. This would indicate that leaching could be more suitable at the finer grind.

The assay results from the non magnetic tailings of MS-05, MS-06 and MS-07 were all similar indicating that even the P_{80} of 53 µm (MS-07) was still too coarse for awaruite liberation.

The presence of liberated sulphides indicates that a scoping flotation test could hold promise. The concentrates would contain copper, iron, lead and nickel sulphides. Some nickel is present in the sulphides as evidenced by the identification of a nickel iron sulphide possibly pentlandite $(Fe,Ni)_9S_8$.

A review of all the test product assays shows that the only significant upgrading of the nickel with regard to the iron was in the gravity test GK-1 P_{80} 143 µm which gave a Fe/Ni ratio of 3.5:1 compared to > 20:1 in the magnetic separation tests. A copy of the calculated ratios are attached. Test GK-1 unfortunately had a low nickel recovery. A finer grind may improve the

recovery but above 80% would be a prerequisite for leaching. The leach tests showed that acid consumption increased with a finer grind. This option could prove uneconomic even if successful.

Another potential option revealed by the SEM analysis is to investigate a wet high intensity magnetic separation (WHIMS) on a milled sample to concentrate the silicate grains containing magnetic awaruite/native iron inclusions. The first scoping DHIMS on the as received material gave a mass recovery of 91.7% but with poor selectivity and only minor upgrading. Process economics would still be paramount.

The petrographic analysis, scanning electron micrographs, EDX spectra and descriptions are attached.

Sincerely yours,
Process Research Associates Ltd.

Bryan S. Tatterson, P.Eng.
Senior Metallurgical Engineer.

Attachments

1	Mineralogical Analysis Report		3 pages
1	SEM Analysis Report		2 pages
2	EDX Analysis Report	Set 1	14 pages
3	EDX Analysis Report	Set 2	1 page
4	SEM Micrographs	Set 1	5 pages
5	SEM Micrographs	Set 2	2 page

GS 1a

FACSIMILE

PROCESS RESEARCH ASSOCIATES LTD.

9145 Shaughnessy Street
Vancouver, B.C.
Canada, V6P 6R9

Tel.: (604) 322-0118
Fax: (604) 322-0181
E-mail: Bryan@PRAprocess.com

Company:	First Point Minerals Corp.	**Date:**	August 18, 1997
Attention:	Peter Bradshaw	**Fax:**	8
FAX Number:	(604) 681-8799	**Project:**	97-053
From:	Bryan Tatterson	**No. of pages (including this page):**	19

re: SEM Report

The SEM Report on the non-magnetic product from test MS-5 and a pan concentrate produced from the same non-magnetic product is attached. Copies of the photographs will be forwarded.

The nickel in the tailings (P_{80} = 108 µm) and the pan concentrates was found to be mainly in the form of awaruite inclusions (Ni_2Fe to Ni_3Fe) in some of the silicate host materials. However, not all the silicate grains contained awaruite and native iron inclusions. The largest inclusions of awaruite found were about 6 to 8 µm in size and ranged down to 0.1 µm. Similar sized particles of native iron were observed which contained little or no nickel. Finer grinding would be required to expose and/or liberate the awaruite particles prior to recovery. This would indicate that leaching could be more suitable at the finer grind.

The assay results from the non magnetic tailings of MS-05, MS-06 and MS-07 were all similar indicating that even the P_{80} of 53 µm (MS-07) was still too coarse for awaruite liberation.

The presence of liberated sulphides indicates that a scoping flotation test could hold promise. The concentrates would contain copper, iron, lead and nickel sulphides. Some nickel is present in the sulphides as evidenced by the identification of a nickel iron sulphide possibly pentlandite $(Fe,Ni)_9S_8$.

A review of all the test product assays shows that the only significant upgrading of the nickel with regard to the iron was in the gravity test GK-1 P_{80} 143 µm which gave a Fe/Ni ratio of 3.5:1 compared to above 20:1 in the magnetic separation tests. A copy of the calculated ratios are attached. The Test GK-1 unfortunately had a low recovery of nickel (%). A finer grind could possibly improve the recovery but above 80% would be a prerequisite for leaching which would require a high acid consumption. This option could prove uneconomic even if successful.

Another potential option revealed by the SEM analysis is to investigate a wet high intensity magnetic separation (WHIMS) on a milled sample to concentrate the silicate grains containing awaruite/native iron inclusions. The first scoping DHIMS on the as received material gave a mass recovery of 91.7% but with poor selectivity and only minor upgrading. Process economics would still be paramount.

Please advise whether further tests are to be carried out.

If you have any questions please contact me.

Regards,

Copy to Morris Beattie Fax No. 263-0695

Attachments:

1	SEM Analysis Report	2 pages
2	EDX Analysis Report	14 pages
3	EDX Analysis Report	1 page

Vancouver Petrographics Ltd.

8080 GLOVER ROAD, LANGLEY, B.C. V3A 4P9
PHONE (604) 888-1323 • FAX (604) 888-3642

Report for: Bryan Tatterson,
Process Research Associates,
9145 Shaughnessy St.,
VANCOUVER, B.C.
V6P 6R9

Job 970501

July 25, 1997

SAMPLES:

Two samples from Project 97-053 were submitted for examination. Portions of each were prepared as grain-mount polished thin sections.

Sample 1 is the tailings (non-magnetic fraction) from a magnetic separation test.

Sample 2 is a pan concentrate prepared from Sample 1.

SUMMARY:

Sample 1 is very finely comminuted material consisting dominantly of serpentine. Mafic silicates (amphibole/pyroxene/olivine) amount to about 8%, and there is about 2% of carbonate. Reflective phases (sulfides or metallics) are extremely rare.

It would appear that the bulk of the analyzed Ni (0.13%) in this sample is present in silicate form (substituting for Mg in the serpentine).

Sample 2 has a somewhat coarser particle size range, and a slightly higher proportion of mafic silicates other than serpentine (estimated c.18%). Overall it appears to be essentially identical in composition to Sample 1. Very sparse reflective grains appear to be largely pyrite. Awaruite was not positively identified.

There is no optical evidence to suggest that this product should have a significantly higher Ni content than Sample 1.

Individual sample descriptions are attached.

J.F. Harris Ph.D.

(929-5867)

SAMPLE 1 TAILS

Estimated mode

Serpentine	90
Other silicates	8
Carbonate	2
Reflective phases	trace

This material has a particle size range of 5 - 80 microns.

It consists dominantly of serpentine.

The principal accessory is a mafic silicate mineral, or minerals, of high relief and moderate birefringence. This typically occurs as liberated grains which may include amphibole, pyroxene and/or olivine. Occasional grains of carbonate are also present.

Reflective phases are extremely rare grains of what appears to be a cream-coloured sulfide - most likely pyrite. This occurs as grains 2 - 50 microns in size - the larger ones typically liberated and the tiny specks typically locked in serpentine.

The reflectivity of awaruite is only a little greater than that of pyrite, and reliable distinction between the two (both isotropic) is not practicable by optical means at this particle size range.

SAMPLE 2 PAN CONCENTRATE

Estimated mode

Serpentine	77
Other silicates	18.5
Carbonate	2.5
Fe oxides	1.5
Pyrite	0.5

This sample has a particle size range of 30 - 130 microns.

It is of closely similar composition to Sample 1 except for a somewhat higher ratio of mafic silicates (olivine, etc.) to serpentine, and the presence of sporadic grains of Fe oxide.

Its principal difference from Sample 1 is in its particle size range - the panning process having removed the slimes-sized component.

The sparsely scattered reflective phases in this sample are easier to identify (being larger grains) than in Sample 1. They appear almost all to be pyrite - typically liberated.

S.E.M. ANALYSIS REPORT

Project: 97-053 Date: August 15, 1997

Samples of a pan concentrate and the un-leached non magnetic tailings were analyzed by Scanning Electron Microscope with Energy Dispersive X-ray Analysis (SEM+EDX).

PAN CONCENTRATE

A pan concentrate (1.67 g, 1.2 % weight) was prepared from a 139 g representative portion of Test MS-05 non magnetics with a P_{80} of 108 µm. Neither the pan concentrate nor the pan tail were submitted for assay.

Figure 1 Magnification 3,600X shows a 0.3 µm spherical inclusion containing nickel in an iron magnesium silicate. Numerous other similar smaller particles can also be seen. The X-ray analysis of the inclusion is shown in Spectrum 1. Comparison with Spectrum 2 of the host particle indicates that the spherical particle is awaruite (Ni_2Fe - Ni_3Fe).

Figure 2 Magnification 1322X is an overview of the silicate particle showing numerous inclusions. The rectangular grain contains high iron with no discernible nickel content. The Spectrum was examined but not printed.

Figure 3 Magnification 4,633X shows three < 1 µm inclusions of awaruite (Spectrum 3) in a lighter colored phase of an iron magnesium silicate (Spectrum 4). The darker phase to the right is a magnesium silicate (Spectrum 5).

Figure 4 Magnification 905X shows an overview of the grain. The field shown in Figure 3 is to the right of centre. The inclusion in the centre is an iron chromium oxide (Spectrum 6) probably chromite.

Figure 5 Magnification 836X shows a 80 µm particle of a chrome nickel iron alloy (Spectrum 7) possibly stainless steel grinding media.

Figure 6 Magnification 907X shows a liberated copper sulphide grain (Spectrum 8)

Figure 7 Magnification 442X shows a 6.2 µm inclusion of awaruite (Spectrum 9) at the upper left of the grain in a magnesium silicate. The inclusions at centre and at the bottom are native iron with no nickel.

Figure 8 Magnification 591X shows a two inclusions of 6 and 8 µm awaruite at the upper left quadrant of the grain. The immediate background is a calcium magnesium silicate. All the other inclusions are native iron with no nickel. The two darker phases are both magnesium silicate.

A number of liberated galena particles were observed.

Figure 9 Magnification 430X shows a liberated particle which is partly oxidized. The dark phase is a copper oxide mineral (Spectrum 10) while the lighter phase is a copper iron sulphide mineral(Spectrum 11)

NON MAGNETIC TAILINGS

The sample was prepared from Test MS-05 non-magnetics which assayed 2.64% Fe, 0.13% Ni and 0.018% Co.

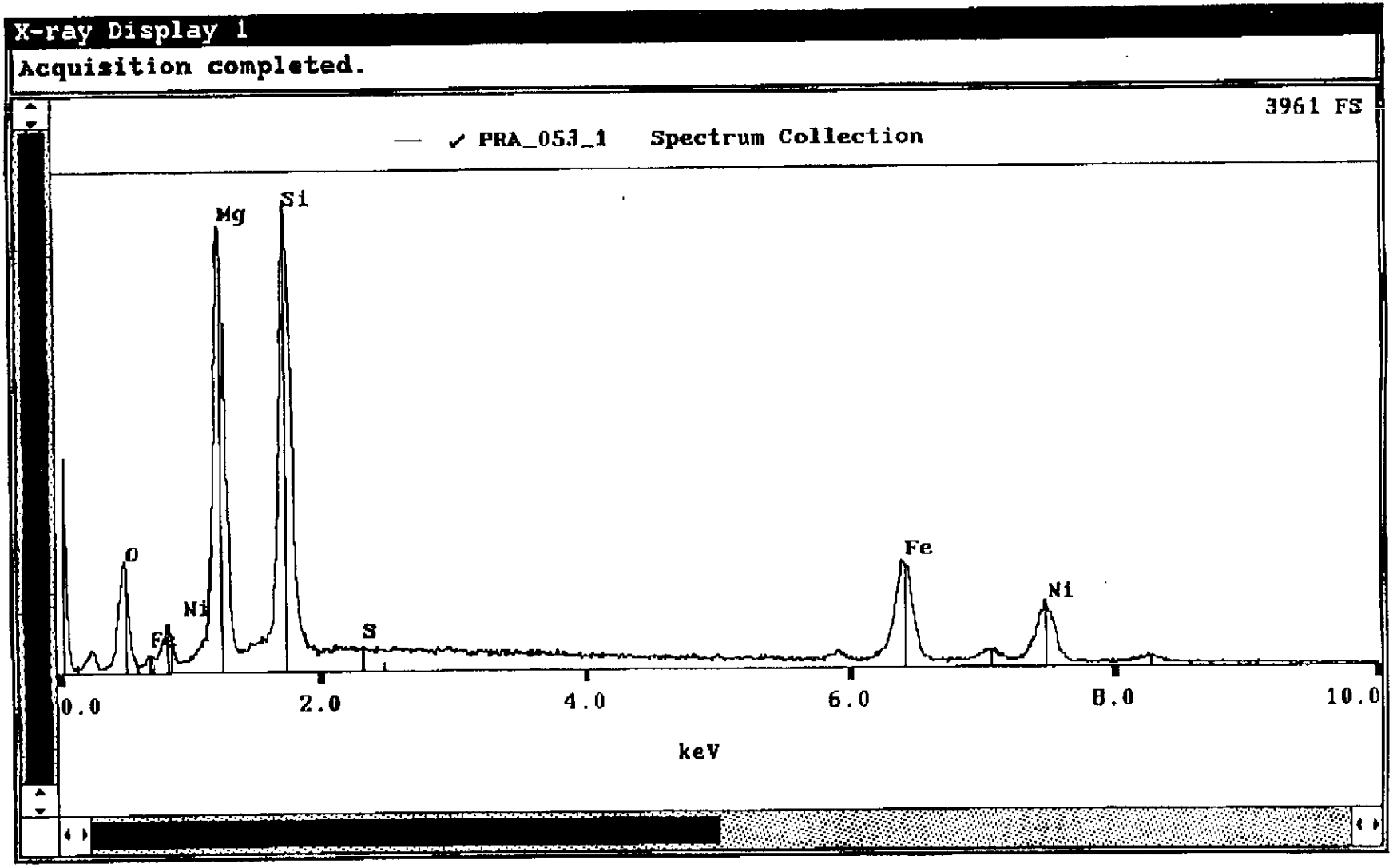
Figure 10 Magnification 1,926X shows an elongated 2.3 x 4.7 µm inclusion of awaruite (Spectrum 12) to the left of centre of a grain of magnesium silicate. The other inclusions are native iron with no nickel.

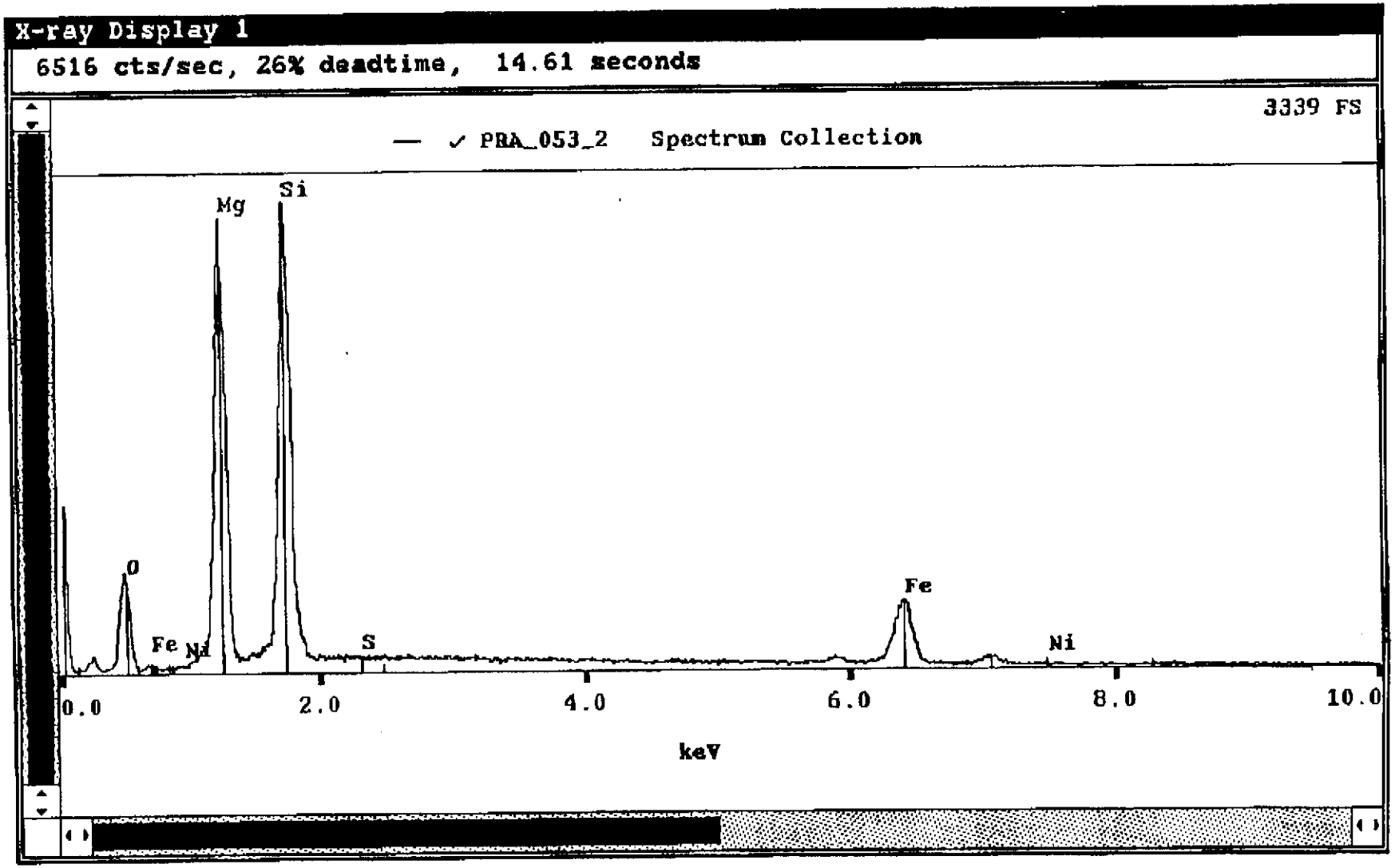
Figure 11 Magnification 1,915X shows an liberated 6 x 13 µm particle of a nickel iron sulphide (Spectrum 13) possibly pentlandite.

Figure 12 Magnification 1,472X shows an inclusion of awaruite (Spectrum 14) just above centre in a grain of magnesium silicate. The other inclusions are native iron with no nickel.

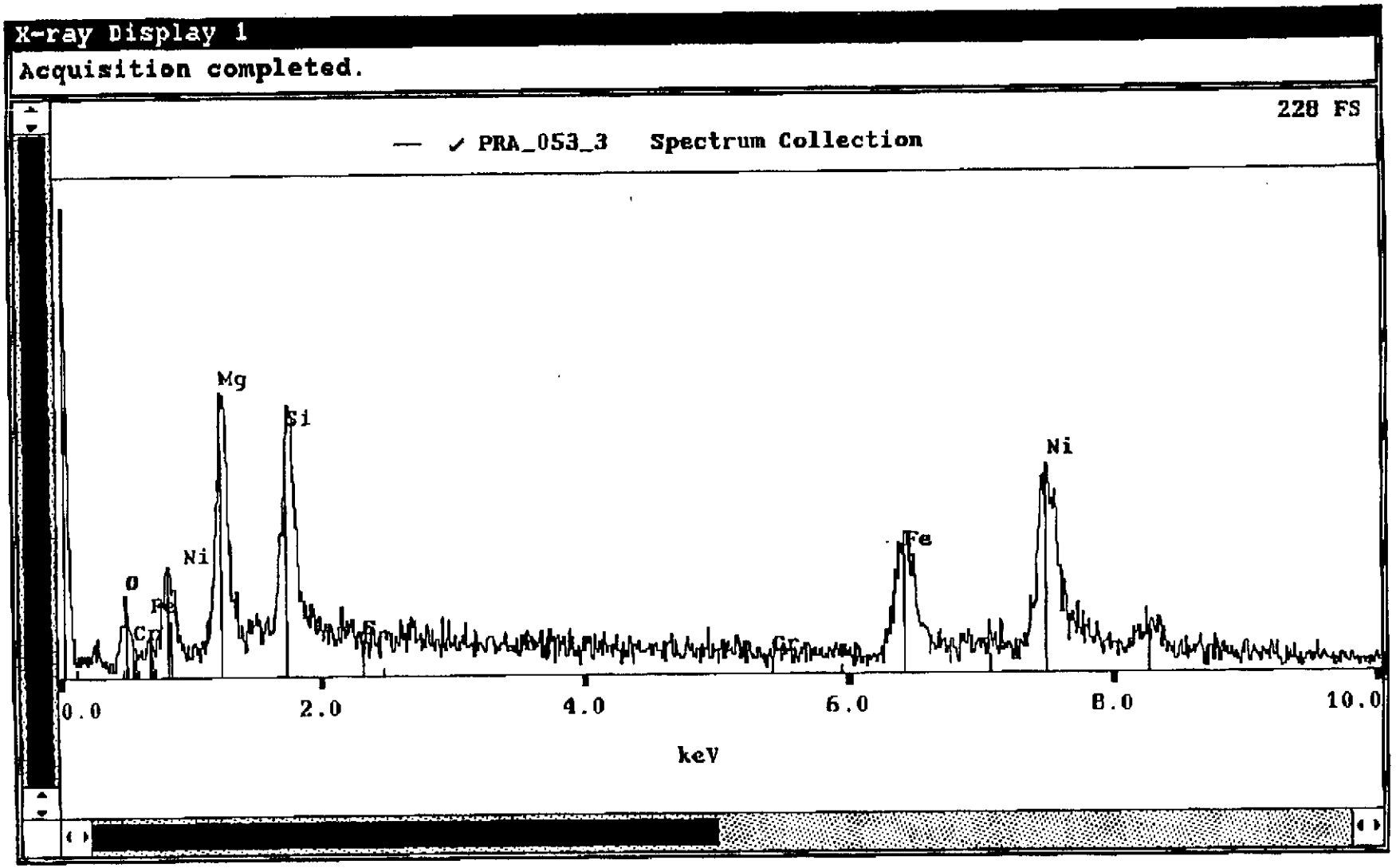
Numerous other awaruite inclusions were seen but the maximum size appeared to be about 6µm.

Spectrum 1 - Ni Inclusion

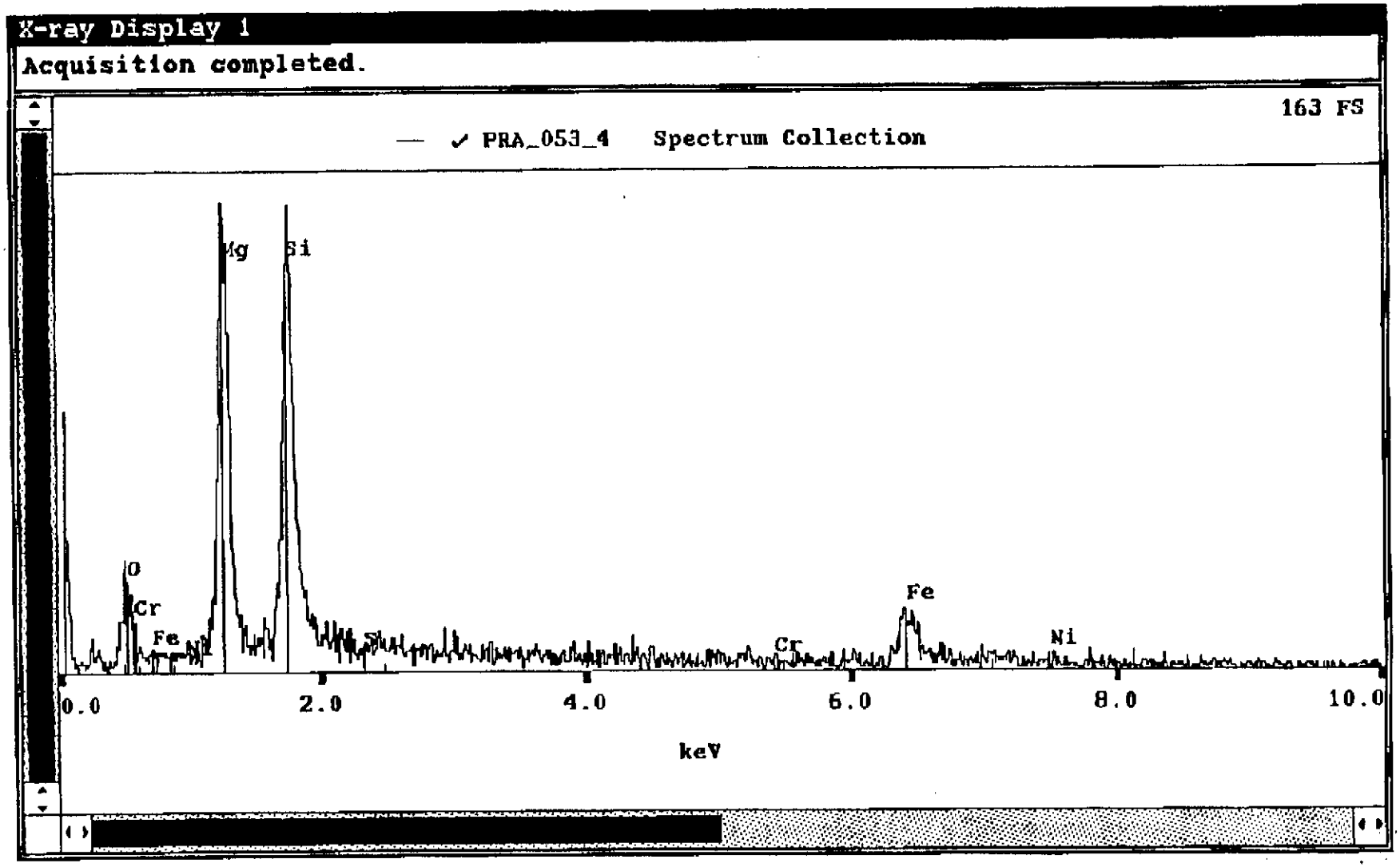




Spectrum 2 - Fe-Mg Silicate

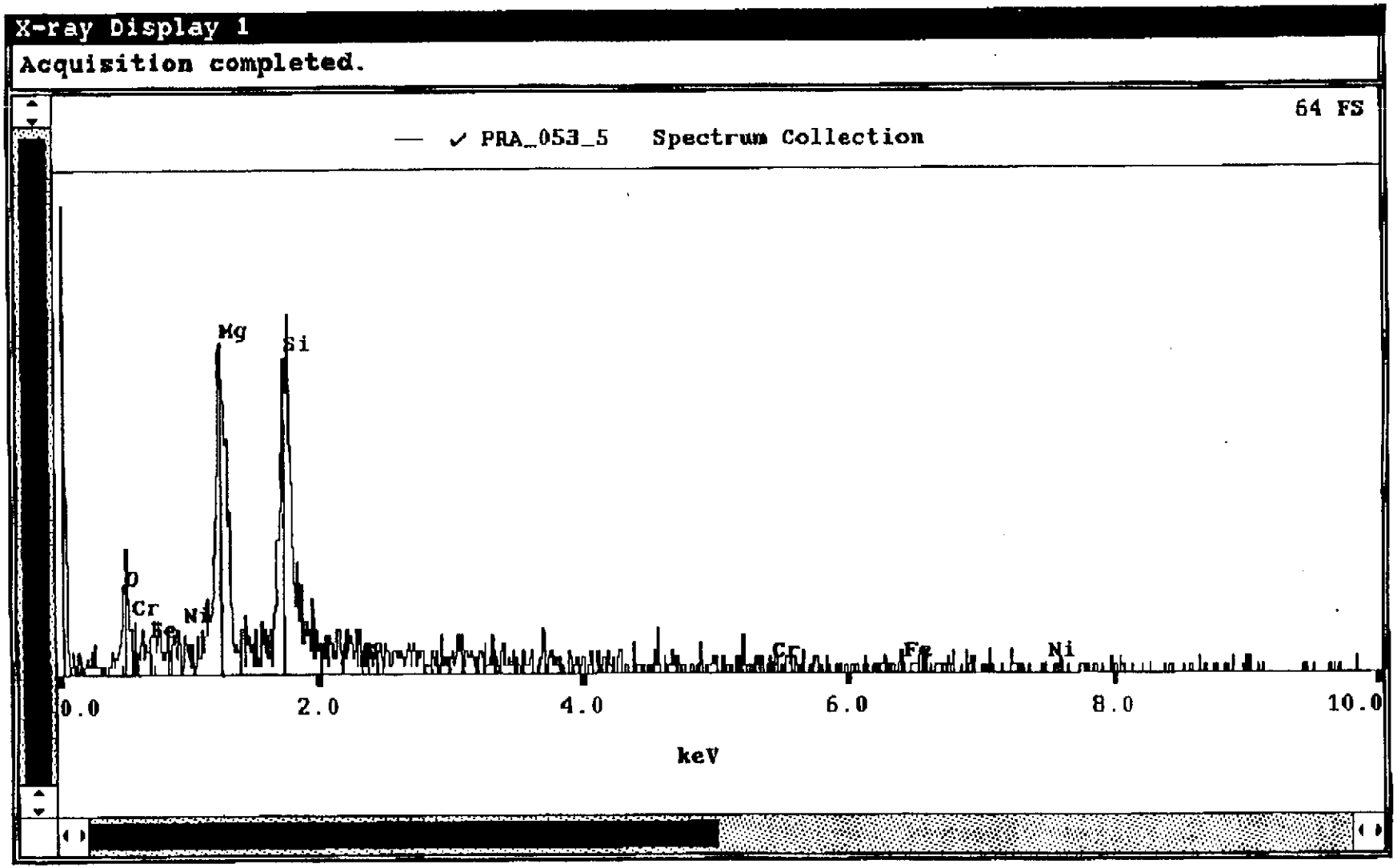


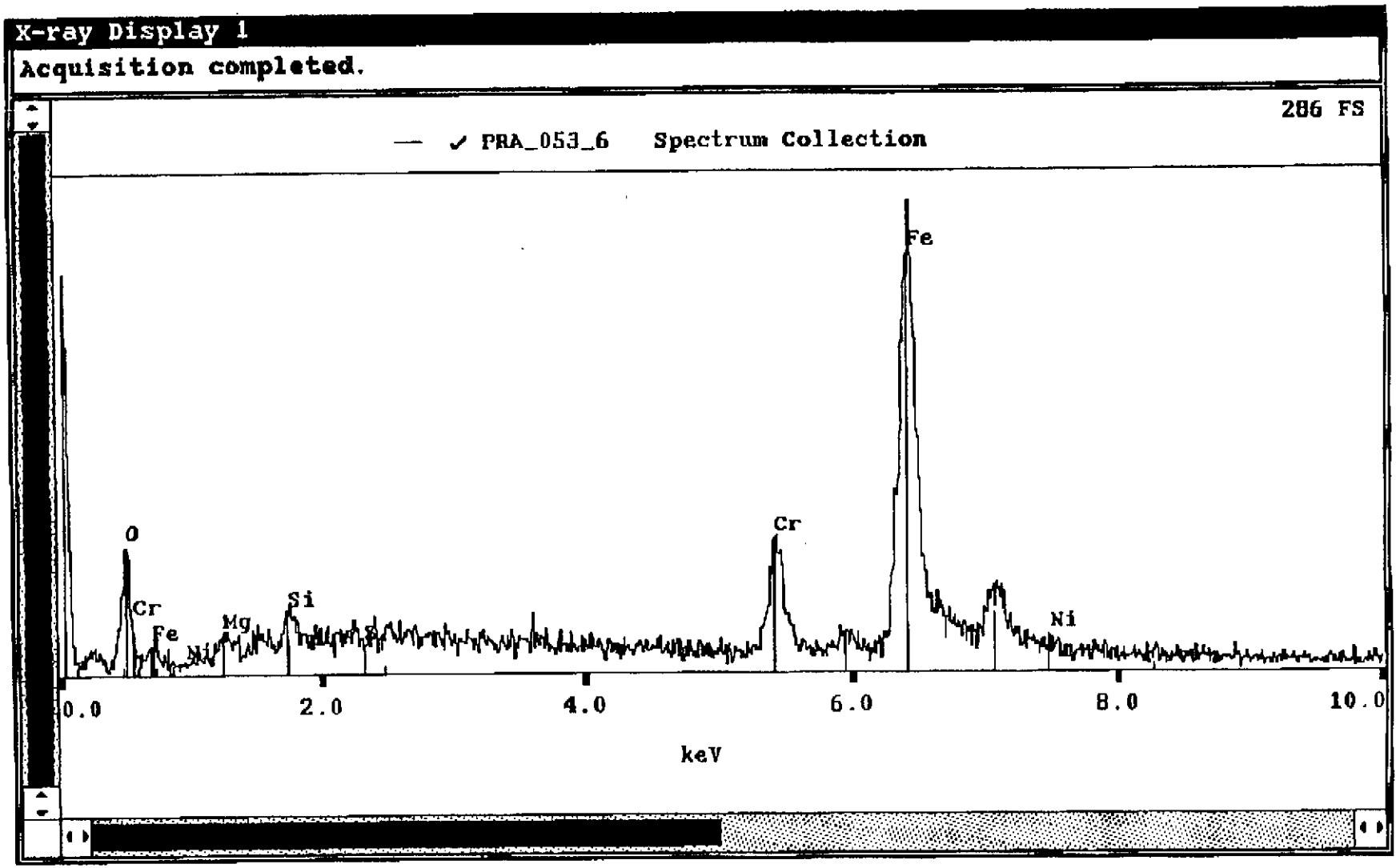
Spectrum 3 - Ni Inclusion



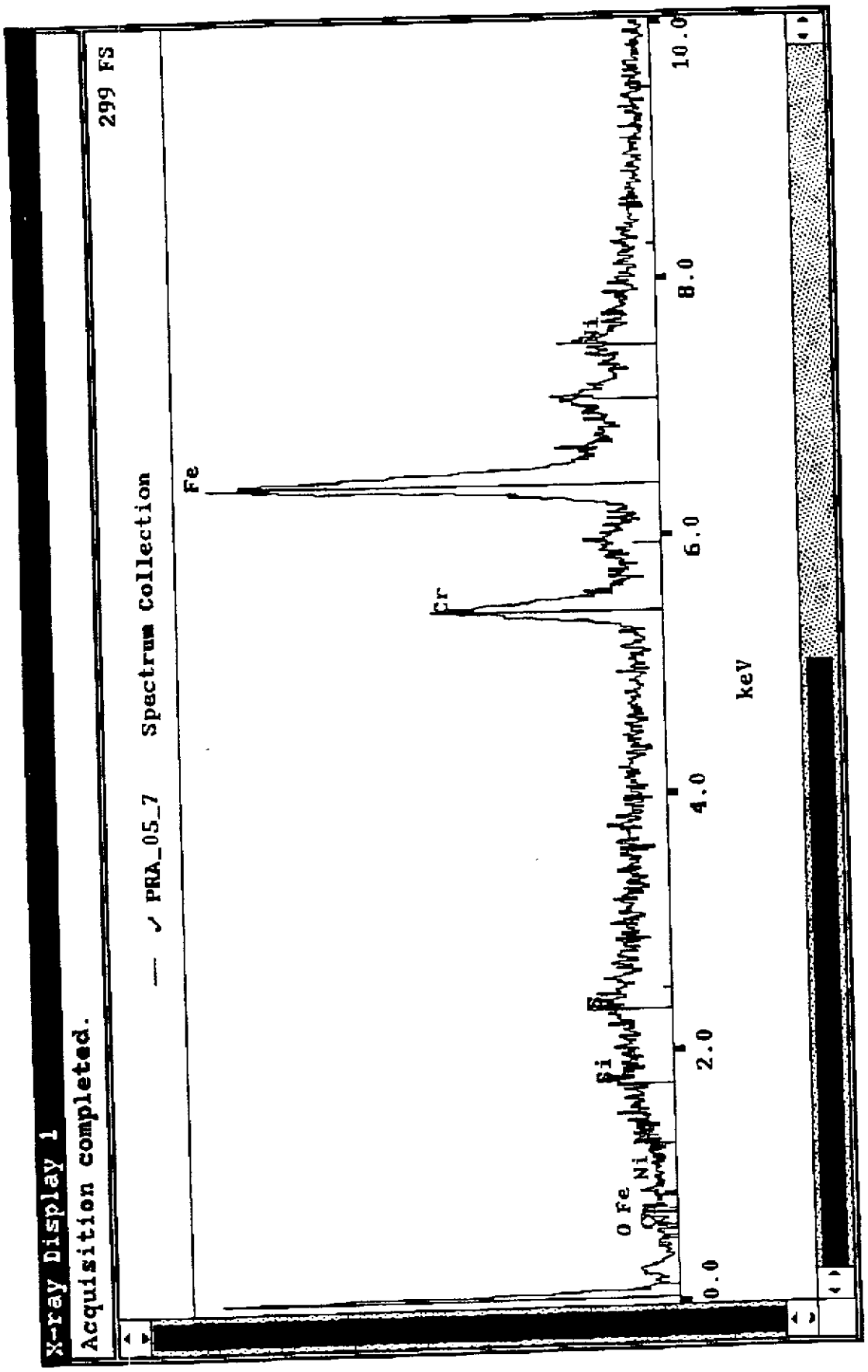
Spectrum 4 - Mg-Fe Silicate

Spectrum 5 - Mg Silicate



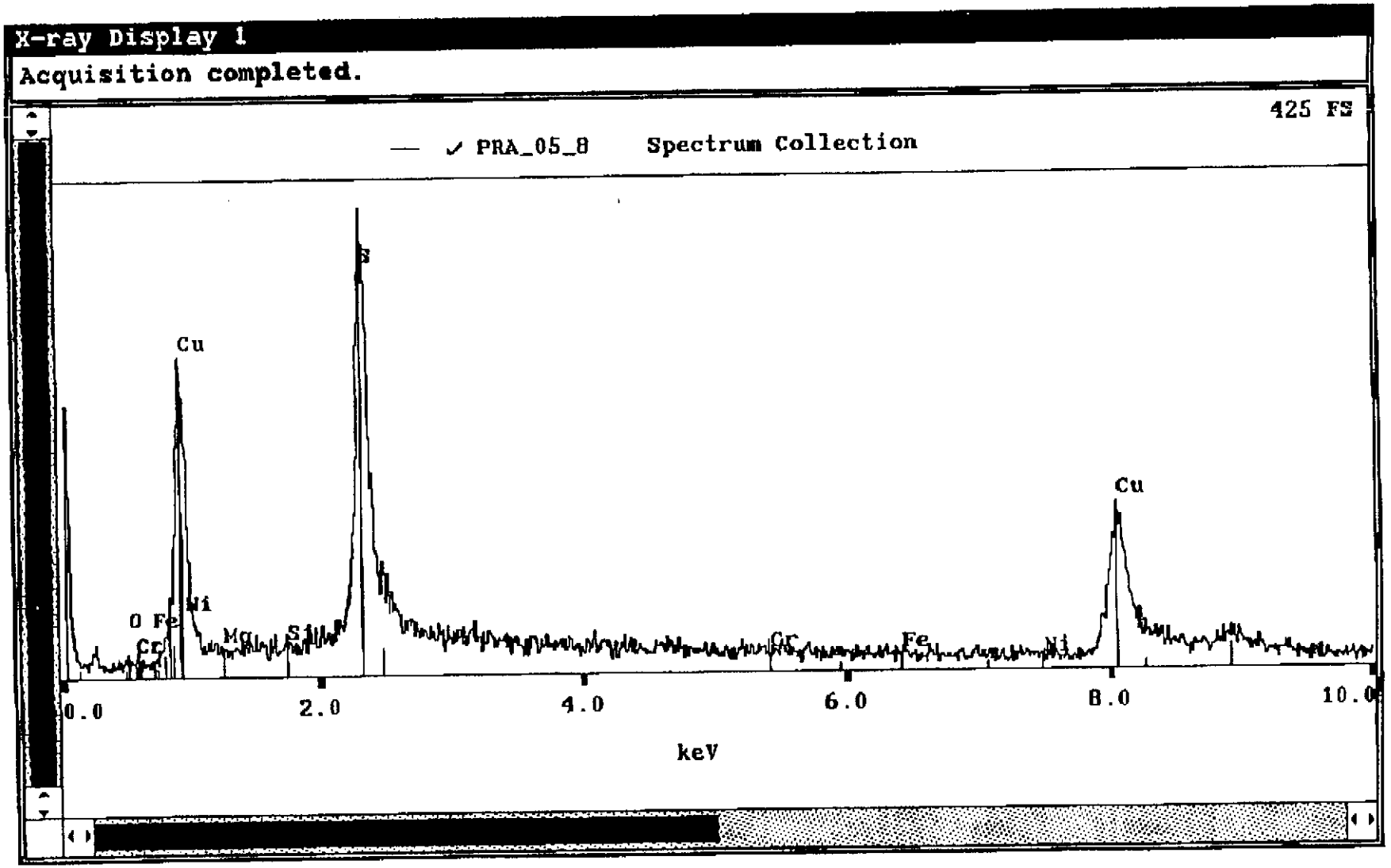


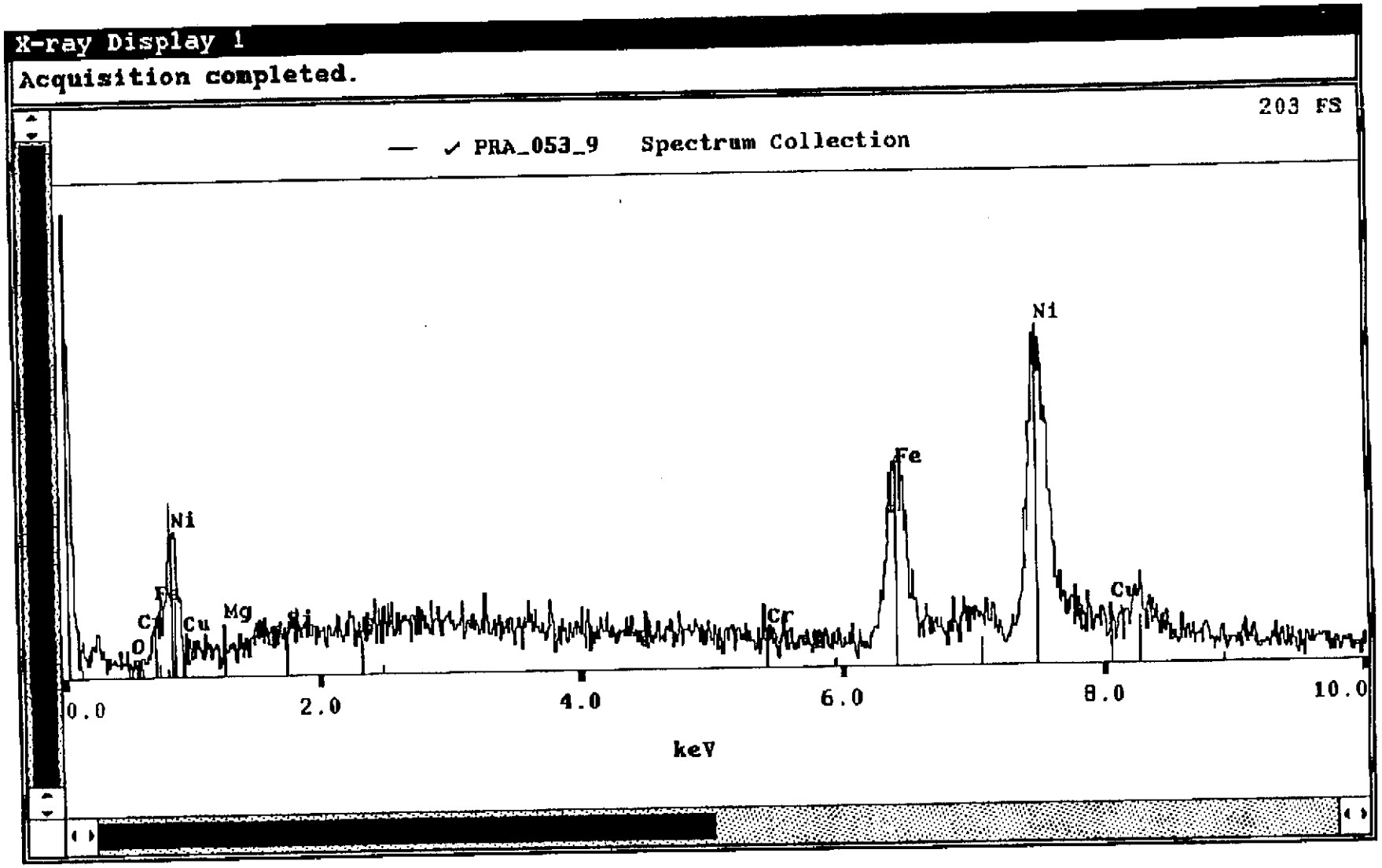
Spectrum 6 - Fe-Cr Oxide



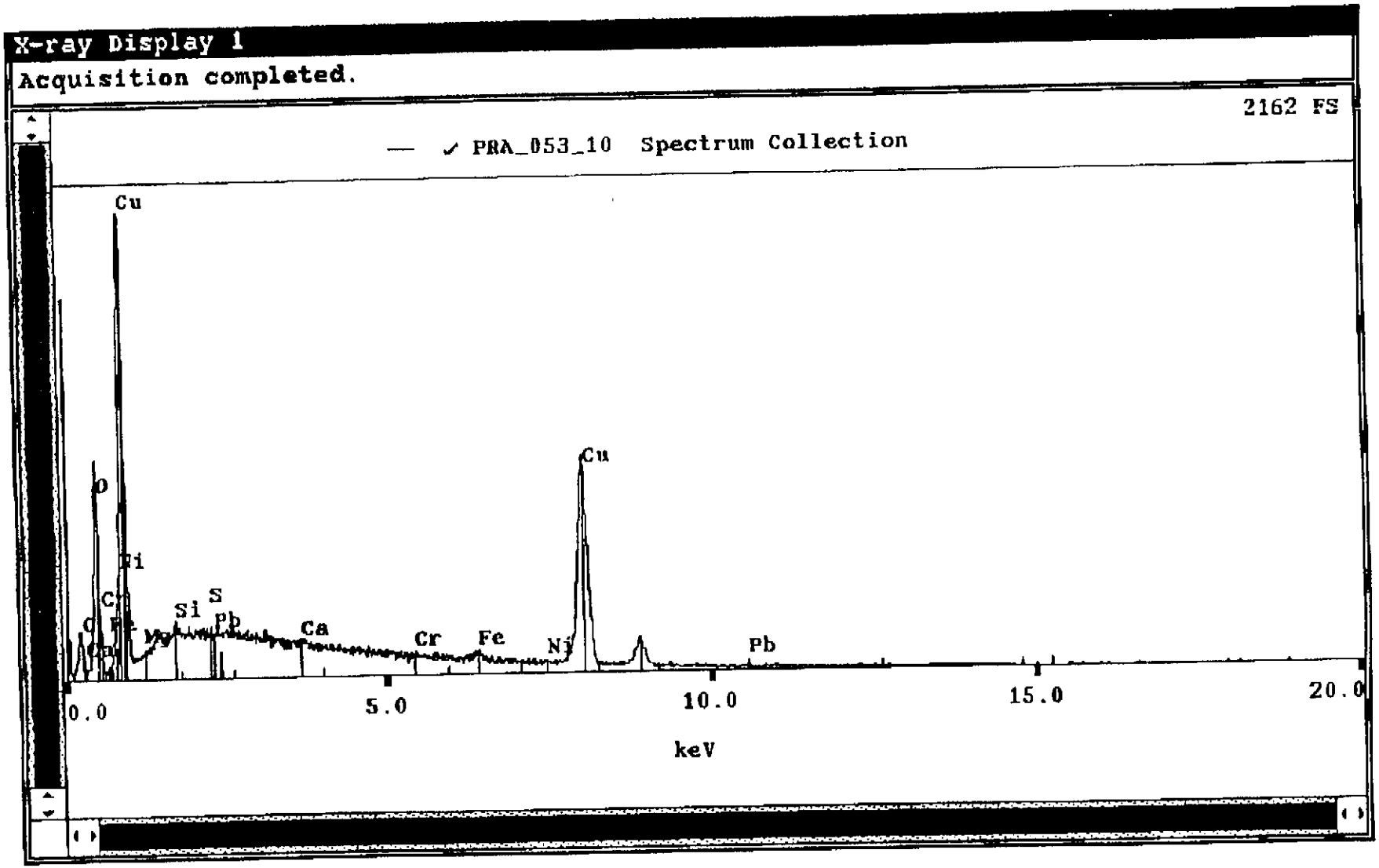
Spectrum 7 - Fe-Cr-Ni Alloy

Spectrum 8 - Liberated Cu Sulphide

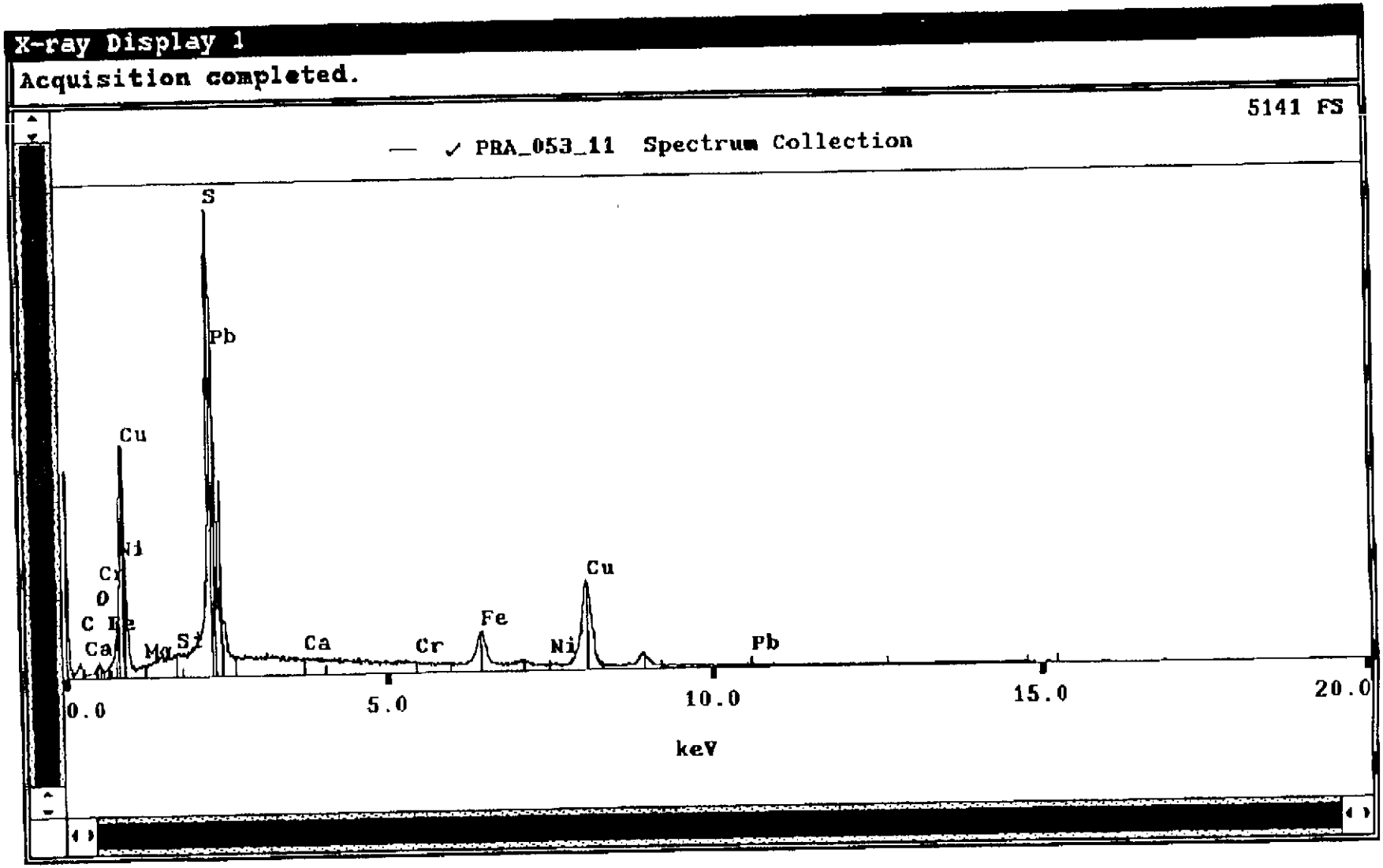




Spectrum 9 - Ni-Fe Alloy

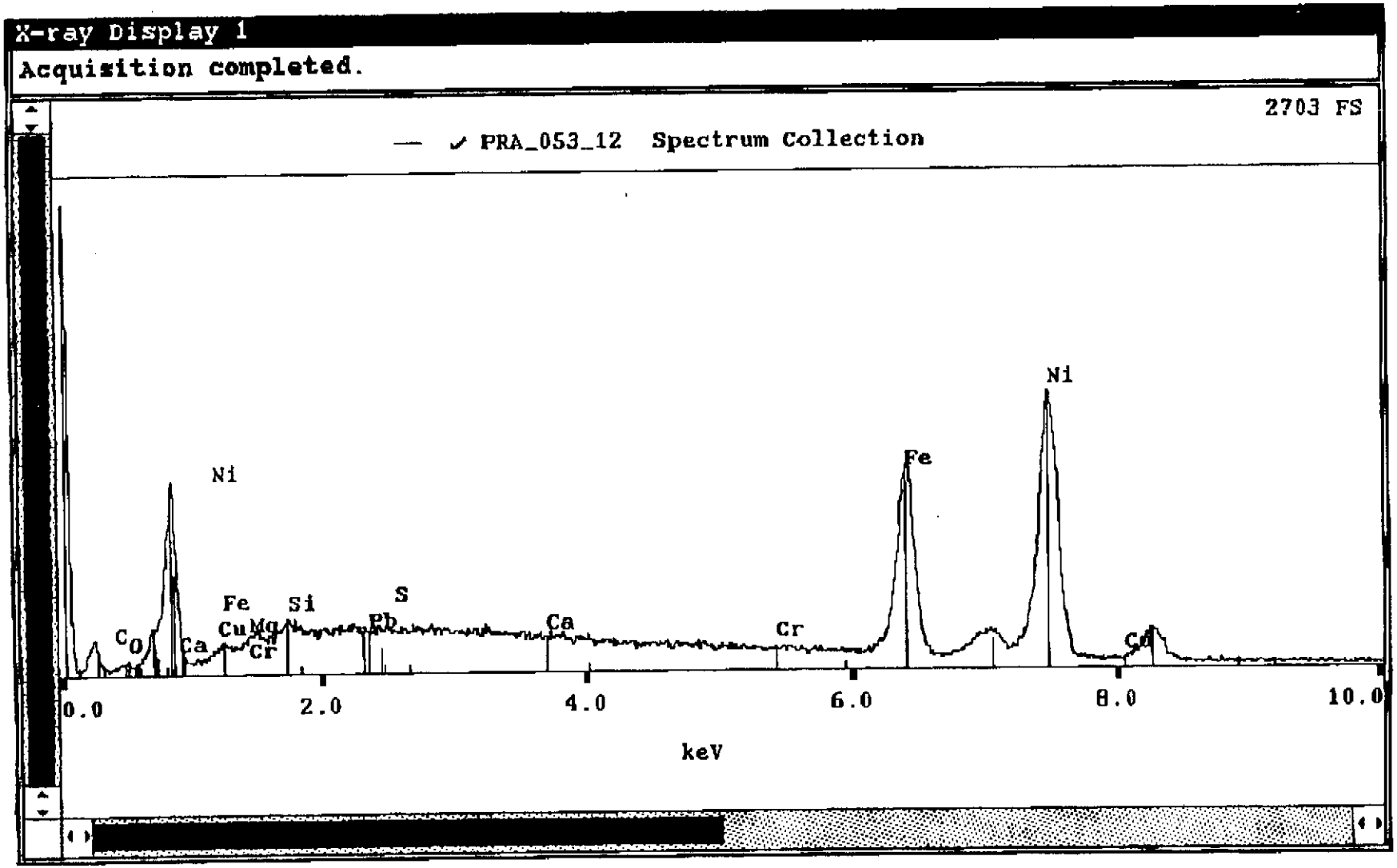


Spectrum 10 - Cu Oxide

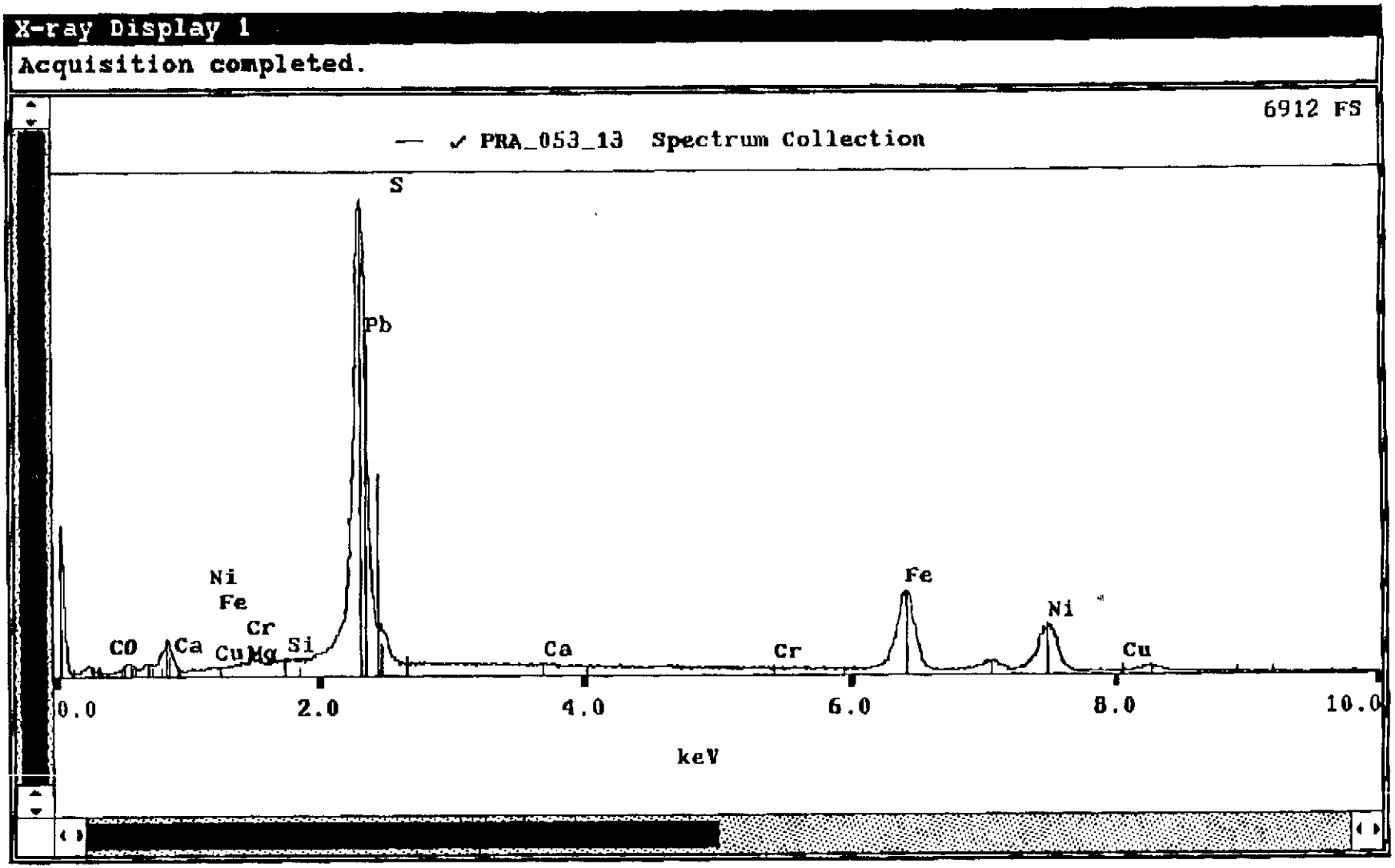


Spectrum 11 - Cu Sulphide minor Fe

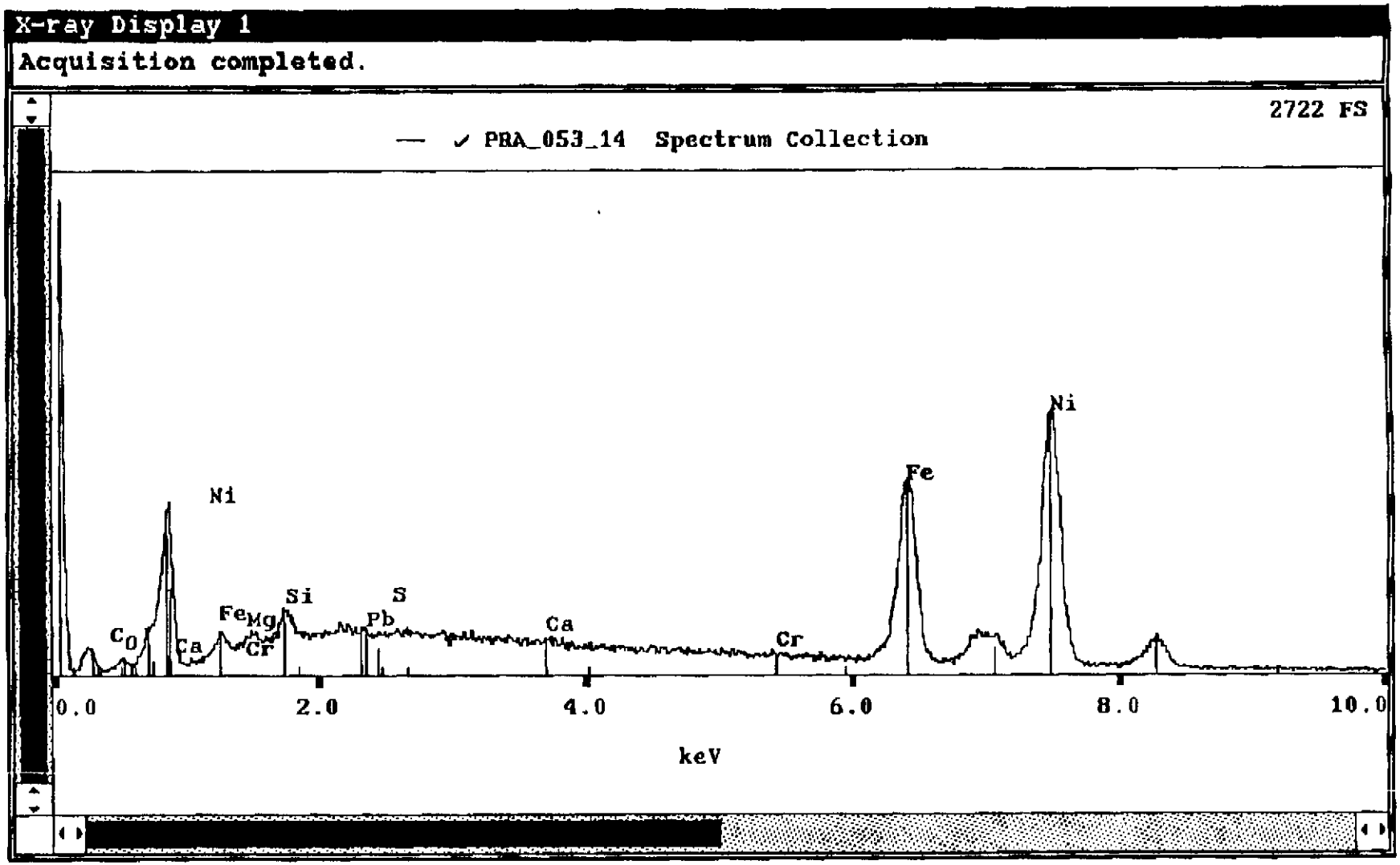
Spectrum 12 - Awaruite



Spectrum 13 - Ni-Fe-Sulphide



Spectrum 14 - Ni-Fe-Alloy



FIRST POINT MINERALS CORPORATION

Project: 97-053

AWARUITE RECOVERY STUDY

Products	Fe/Ni	Fe/Co	Ni/Co
	GK-1		
Pan Concentrate	3.5	175.6	50.0
Pan Tails	23.6	630.0	26.8
Total Knelson Concentrates	12.3	444.7	36.2
Knelson Tails	29.8	459.0	15.4
Combined Tails	28.6	479.7	16.8
Total	23.6	456.3	19.3
Measured	22.8	472.7	20.7

Test	Grind P_{80} µm
GK-1	
MS-03	
MS-05	122
MS-06	89
MS-07	56

- Tests GK-1 & MS-3 were done on initial sample

- Tests MS-3, 4 & 5 were done oncomposite

Products	Fe/Ni				Fe/Co					Ni/Co		
	MS-03	MS-05	MS-06	MS-07	MS-03	MS-05	MS-06	MS-07	MS-03	MS-05	MS-06	MS-07
Sala Magnetic Concentrate 1		20.75	20.56	20.60		555	524	445		27	25	22
Sala Magnetic Concentrate 2		27.10	31.35	28.57		322	446	333		12	14	12
Total Sala Concentrates	21.96	21.52	21.19	21.43	437.21	500	516	425	20	23	24	20
Davis Tube Magnetic Concentrate 1		22.06				167				8		
Davis Tube Magnetic Concentrate 2		27.75	29.19	26.25		267	245	243		10	8	9
Davis Tube Magnetic Concentrate 3				23.72				200				8
Davis Tube Magnetic Concentrate 4				22.73				192				8
Davis Tube Magnetic Concentrate 5				24.68				242				10
Total Davis Tube Concentrate		27.61	29.19	24.58		264	245	217		10	8	9
Total Magnetic Concentrates		22.12	21.90	21.71		451	457	388		20	21	18
Non-Magnetics	20.56	20.31	20.61	20.63	185.00	147	113	132	9	7	6	6
Total	21.36	21.45	21.38	21.31	279.78	261	210	230	13	12	10	11
Measured	22.81	23.57	23.57	23.57	472.73	480	480	480	21	20	20	20

Figure 1 Magnification 3,600X shows a 0.3 µm spherical inclusion of Awaruite in an iron magnesium silicate.

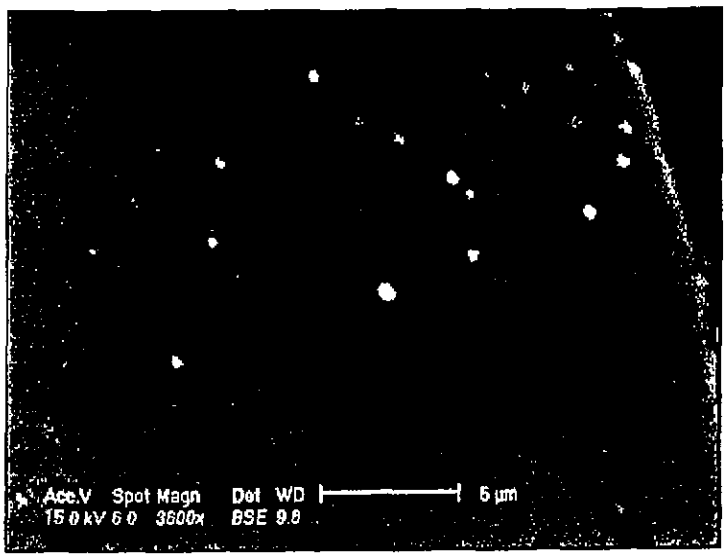


Figure 2 Magnification 1322X is an overview of the iron magnesium silicate grain showing numerous inclusions. The rectangular grain contains high iron with no discernible nickel content.

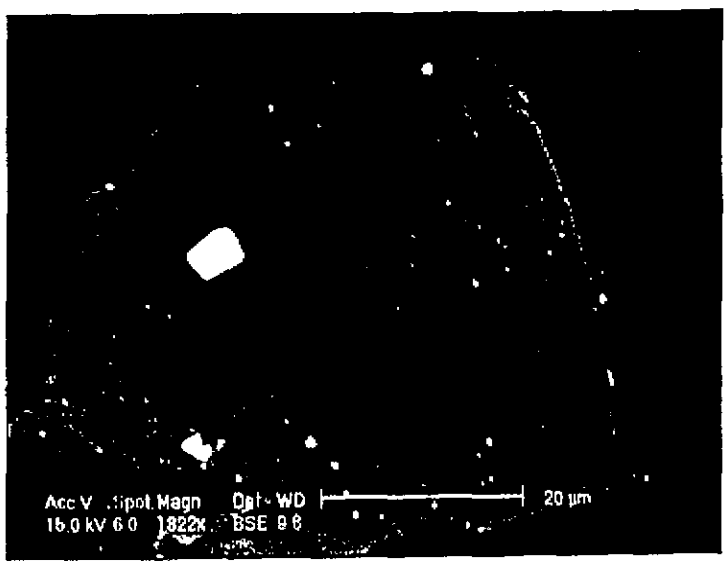


Figure 3 Magnification 4,633X Three < 1 µm inclusions of awaruite in iron magnesium silicate (lighter colored phase). The darker phase is magnesium silicate.

Figure 4 Magnification 905X Overview of the grain. The inclusion in the centre is an iron chromium oxide (possibly chromite)

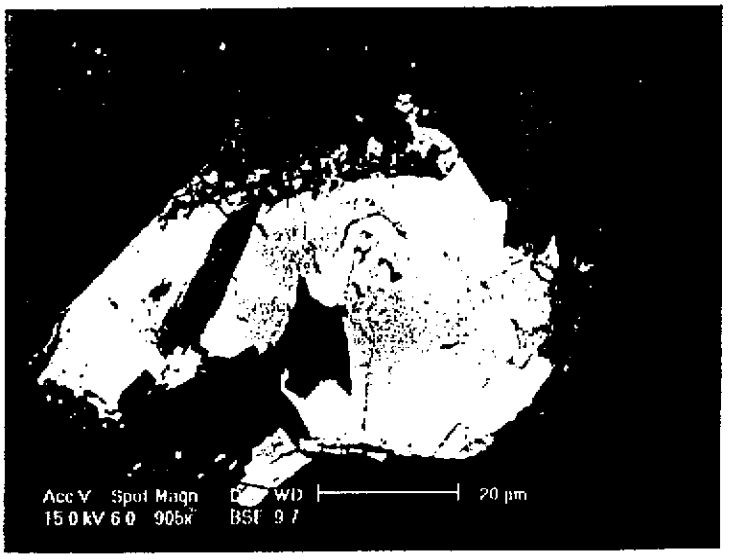


Figure 5 Magnification 836X A 80 µm particle of a chrome nickel iron alloy (possibly stainless steel grinding media).

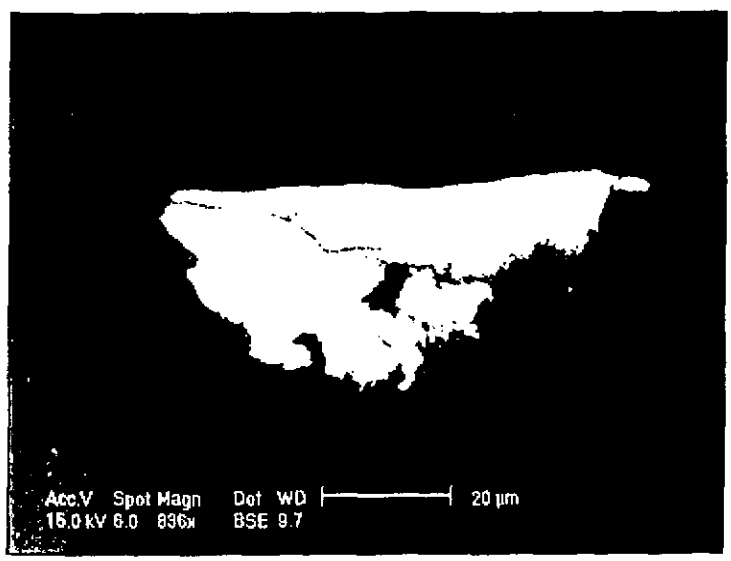


Figure 6 Magnification 907X A liberated copper sulphide grain.

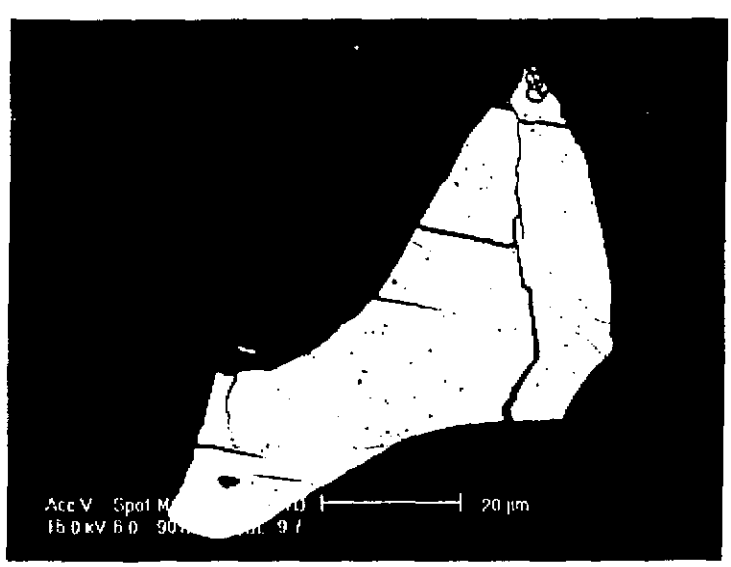


Figure 7 Magnification 442X A 6.2 µm inclusion of awaruite (upper left) in a magnesium silicate grain. The inclusions at centre and at the bottom are native iron with no nickel.

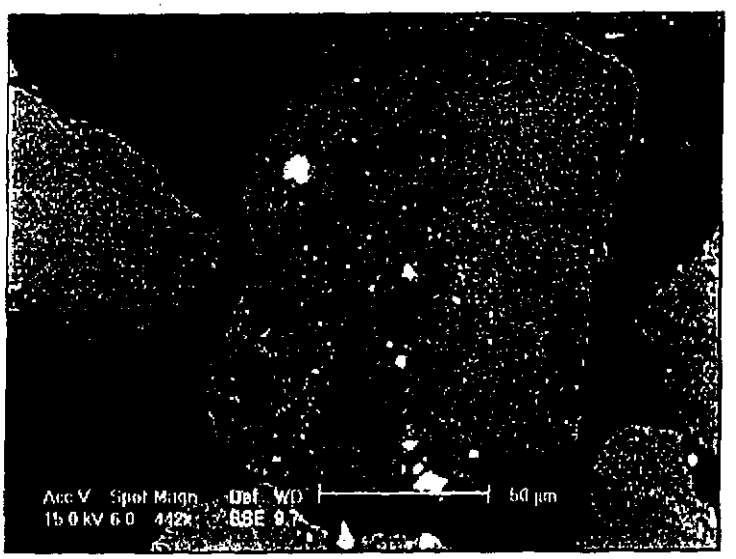


Figure 8 Magnification 591X Two inclusions of awaruite (6 and 8 µm) upper left quadrant. The immediate background is a calcium magnesium silicate. All the other inclusions are native iron with no nickel. The darker phases are a magnesium silicate.

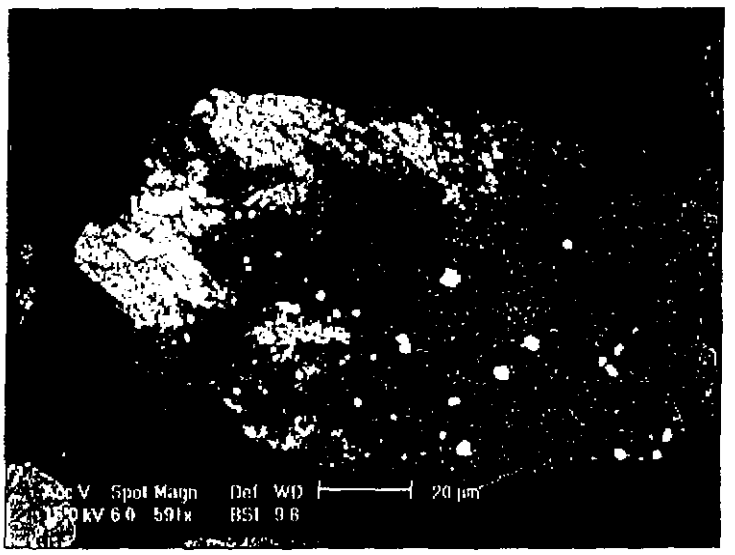


Figure 9 Magnification 430X shows a partly oxidized liberated particle. The dark phase is a copper oxide mineral . The lighter phase is a copper iron sulphide mineral.

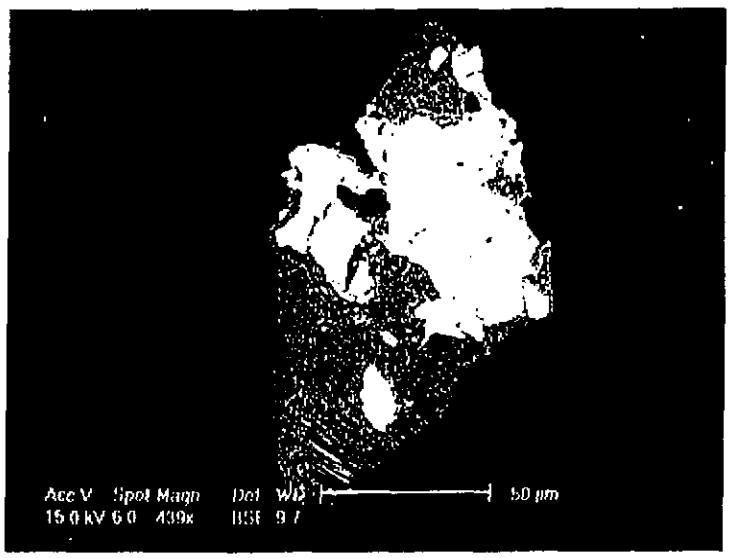


Figure 10 Magnification 1,926X Elongated 2.3 x 4.7 µm awaruite inclusion to the left of centre in a magnesium silicate grain. The other inclusions are native iron with no nickel.

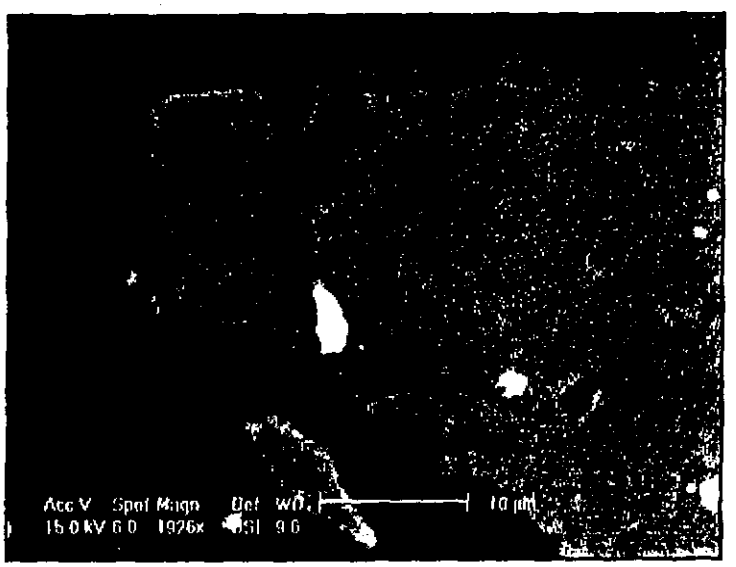


Figure 11 Magnification 1,915X Liberated 6 x 13 µm nickel iron sulphide (possibly pentlandite).

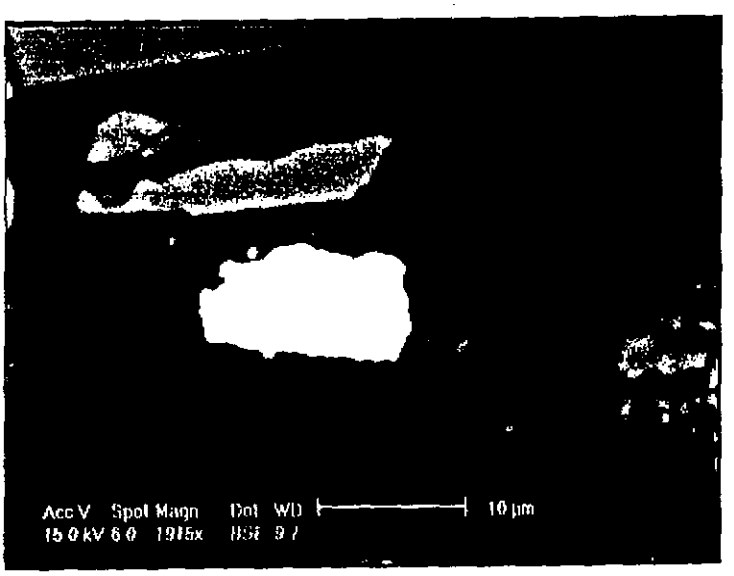
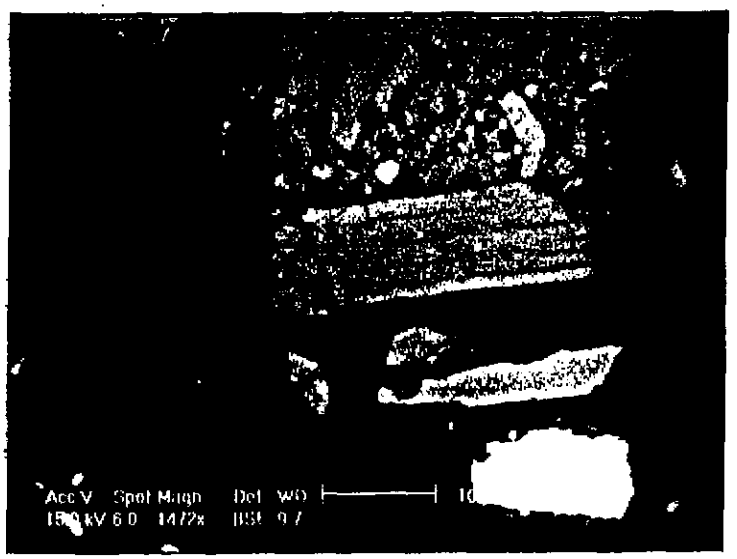


Figure 12 Magnification 1,472X Awaruite inclusion of just above centre in a magnesium silicate grain. The other inclusions are native iron with no nickel.



25,218

SAMPLE LOCATION MAP

x 142666 rock sample number

• VD 27 silt sample number

● 94-10 drill hole

N

MT. SIDNEY WILLIAMS

CONTOUR INTERVAL 20 m
APPROX. SCALE 1:10000

APPROX. 0 100 200 400 600 800 1000

CLAIM BOUNDARY

EAGLE MAPPING SERVICES LTD. (91-27)