

LOG NO: 91105	RD.
ACTION:	
FILE NO.	

REPORT ON 1991 EXPLORATION  
BJ 3 CLAIM, RECORD NO. 2208  
GOLDEN MINING DIVISION  
NTS MAPSHEET 82K/8W  
50°25.6 MINUTES NORTH, 116°28.7 MINUTES WEST

SUB-RECORD  
RECEIVED

OCT 29 1991

M.R. # ..... \$.....  
VANCOUVER, B.C.

AUTHOR: R. JORDAN, P.ENG.  
OPERATOR: R. JORDAN  
OWNERS: R. JORDAN 50%, W.R. READER 50%

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

OCTOBER 1991

**21,789**

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## SUMMARY

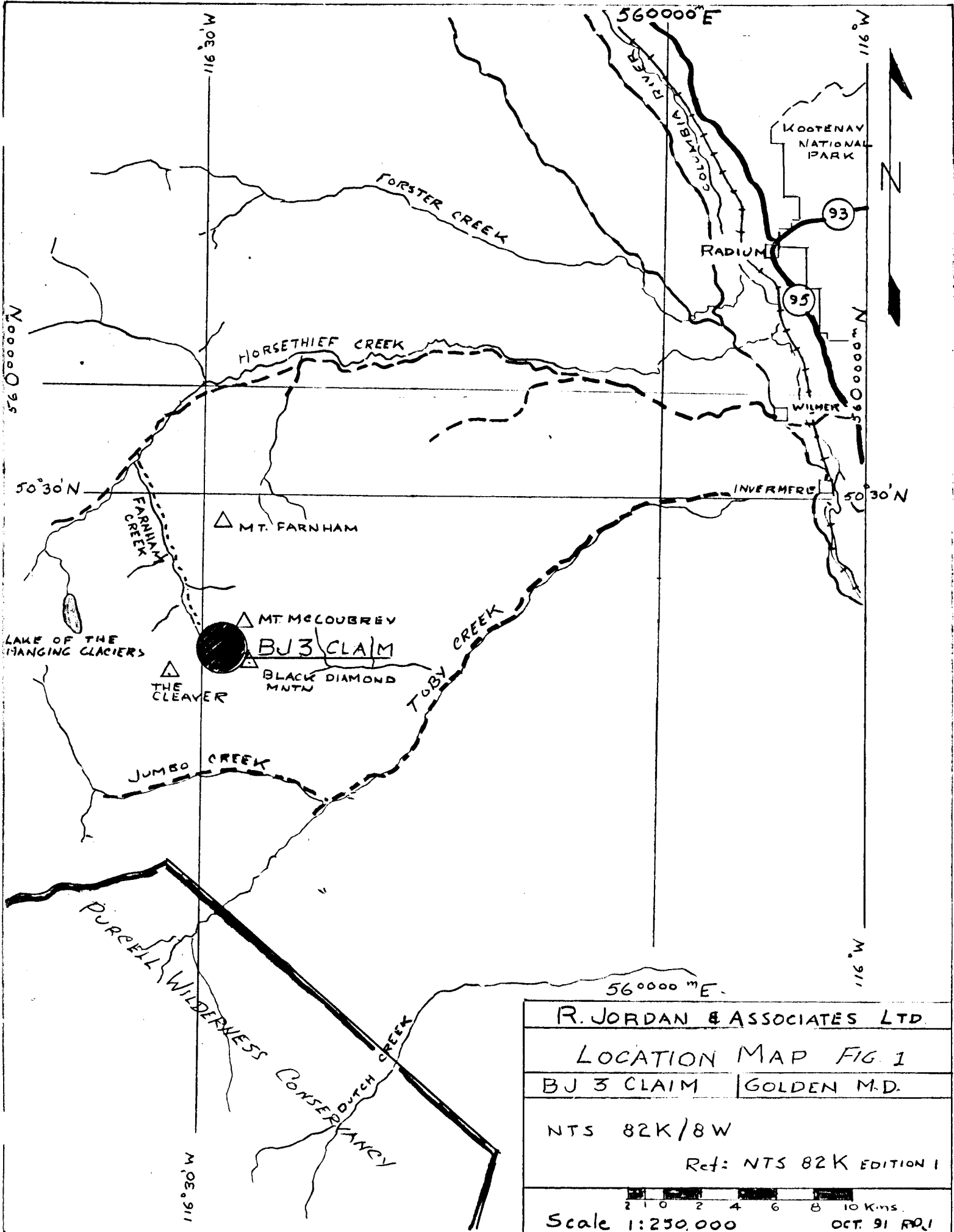
The BJ 3 claim was staked on July 31st 1990 to cover possible open ground to the north and east of the old Tattler, or Phoenix, crown grant claims and the Tat 1 claim which had been staked, following the March 1990 crown grant sale, in April 1990.

Intermittent exploration on the Tattler claims has been carried out since the early 1900s until the mid 1960s, mostly concentrated on spotty low grade copper mineralization in barite and quartz filled fractures and bedding planes in Mount Nelson dolomitic limestones occurring in the east half of the Tattler group; and on a narrow steeply dipping quartz vein with good galena, tetrahedrite and freibergite mineralization, on the Great Northern-World's Fair crown grants in the northwest corner of the Tattler group. After a fairly intensive exploration program in the mid sixties, the operator (Jumbo Mines Ltd.) did nothing further and the claims were allowed to lapse until, at the March 1990 sale of Crown Grant two post claims, the Tattler claims generated relatively high bids by Cominco and by Mr. Ken Hicks of Vancouver.

1991 work on the BJ 3 claim consisted of brush clearing and a Brunton and hip chain survey of the old mining road from the BJ 3 LCP up to the old workings on the Phoenix, Great Northern/World's Fair crown grants; collection of a number of stream sediment and rock chip samples; two reconnaissance traverses into the upper east Farnham Creek basin and across the ridge south and east of the Butler, Imperial, North Light, Copper King and White Bear crown grants. A number of panoramic photographs along with selected rock samples were taken to help in a preliminary assessment of the very complex local geology.

As might be expected, all of the obvious mineralized showings are covered by the Tattler crown grants, however there is potential for an extension of copper mineralization in the Mt. Nelson formation into the east and north-east parts of the BJ 3 claim, and on the west side of the claim for silver, lead and copper bearing epigenetic vein deposits in the complexly folded and faulted Mt. Nelson/Toby and Horsethief Creek rocks. A large portion of these latter areas on the BJ 3 claim is covered by a thick mantle of talus, scree and glacial detritus. Geochemical soil sampling is not expected to be an effective exploration tool over much of the area. Geophysical methods are likely to be hampered by very steep and rough terrain and the large amounts of snow cover which persists until late summer.

Results of stream sediment sampling, and favorable geology, indicate that detailed mapping and exploration is warranted in the upper east Farnham Creek basin.



## 2.0 INTRODUCTION

### 2.1 Location, Access and Physiography

The BJ 3 claim is located in mapsheet 82K/BW, in the upper Farnham Creek basin between elevations of 1800 and 2900 metres, and is a half hour helicopter trip 35 kilometers west-south-west of the Invermere airport. Summer access is via 40 kilometers of good logging access road west from Wilmer on the Columbia River up Horsethief Creek to the junction with Farnham Creek. From here ten kilometers of disused logging and mine access road lead south up Farnham Creek to the property. The mine access road is in fair to poor condition but could be made passable for small 4WD vehicles with a modest amount of bridge and cat work.

Terrain is generally steep, rough and often precipitous. Travel in the heavily spruce-forested and bushy avalanche-strewn valley bottoms can be difficult. Foot access near and above tree line (at about 1900 meters) is relatively easy but even in mid summer and autumn terrain can be heavily snow covered. Crevasses are common in the glacier areas and in some of the permanent snow packs, and mountaineering equipment should be available. The alpine areas offer excellent recreational potential for hikers, climbers and skiers. One of the hazards to prospectors is the presence of unexploded avalanche bombs in the upper basins which are heavily used by helicopter skiers during the winter and spring months.

### 2.2 Previous History and Exploration

Sporadic work was reported on these claims during the period 1902 through to 1924. On the Great Northern-World's Fair claims at the northwest corner of the Phoenix (Tatler) crown grants, work was concentrated on a northwesterly-striking narrow quartz vein with reported galena and tetrahedrite mineralization. Early work on the Phoenix property consisted of a 30-foot shaft and 40 feet of drift, as well as a 225-foot long tunnel (B.C. Minister of Mines 1902 p.137) as well as several trenches along strike. (We found a cross cut and shaft some 80 metres southwest of the shaft and a showing in a trench 60 metres to the northwest and a number of shallow cuts and trenches up to 175 metres north of the shaft—all of the latter were caved in to some extent and no sign of the vein was noted). Walker (GSC Memoir 148) reported that at the time of his visit an adit was being driven from down on the west side of the steep ridge on which the shaft is located to 'intersect the vein at depth'. This may be the same adit reported in 1902.

On the eastern claims (Copper King, Imperial, North Light, etc.) work was concentrated on trenching, and on driving several short adits into copper showings in

fractured Mt. Nelson carbonate rocks. A relatively long adit was driven on the northeast corner of the Master crown grant, in a eastnortheast direction, and a sample from 'a streak' in this adit was reported to have assayed 13.8 ozs. Ag and 3.6% Cu.

Work on these showings is described, in some detail, in Assessment report 1614.

In September 1967 geological mapping and geochemical sampling was done on the Great Northern/World's Fair (Phoenix) prospect, and an examination of the copper showings in the area of the Copper King claim was done. This report and maps are included in Assessment Report 1614. Subsequently, in July 1969, a VLF electro-magnetic survey was carried out across the Iron Mask, Broken Hill and portions of the Copper King and Imperial crown grant claims and into the area covered by the southeast part of the BJ 3 claim. This work is recorded in Assessment Report 1977.

The B.C. Minister of Mines Annual Report for 1968 (p.266) reported a total of 1456 feet of diamond drilling on the Copper King and Great Northern (Tatler) claims and construction of ten miles of road.

Since 1969 there have been no reports of any additional work having been done.

### 2.3 Claim Description

The BJ 3 claim consists of 15 units (5 east, 3 south), staked by R. Jordan on July 31st 1990 and recorded in Golden on August 3rd. W.R. Reader acquired a 50% interest in Dec. 1990. The claim record number is 2208. Two additional claims, BJ 4 and BJ 6, staked at the same time, have been allowed to lapse. Status of the overlapping Tat 1 claim is not known at this time, but it will have some effect on the eventual outline of the BJ 3 claim.

### 2.4 1991 Exploration

Work was carried out during the period from July 21st to July 27th. A tent camp was set up along the west branch of Farnham Creek just below timberline near the south boundary of the BJ 3 claim. Access was via Frontier Helicopters Ltd. from Invermere.

## 3.0 GENERAL GEOLOGY

The latest geological compilation is covered by GSC Memoir 369, published in 1973, and based for the most part on mapping done by J.E. Reesor between 1953 and 1957, and by Walker in 1922 and 1923. A large part of the mapsheet between Toby Creek on the south, Horsethief Creek on the north, east of a line from Lake of the Hanging Glaciers and Earl Grey pass, and west of the Forster syncline, has not been mapped since Walker's work, nearly seventy years ago.

The area covered by this report occupies a position near the axis of the north plunging Purcell Anticlinorium, six kilometers east of the small Lake of the Hanging Glaciers stock and 15 kilometers south of the larger Horsethief Creek batholith.

Rocks in the immediate area of the report consist of Proterozoic age Windermere and Purcell series which include a complex assemblage of grey and black slates and schists, argillites, feldspathic and dolomitic quartzites, conglomerates, and limestones and dolomitic limestones of the Dutch Creek, Mount Nelson, and Toby Formations and the Horsethief Creek group. In the Farnham Creek basin a thick sequence of rocks, identified as Dutch Creek formation outcrop on the upper and middle slopes of The Cleaver and Mt. McCoubrey above a relatively narrow belt of folded and faulted rocks of the Horsethief Creek, Toby and Mt. Nelson formations. This puzzling sequence has been interpreted as a complexly faulted north-south striking graben however an explanation involving some overthrusting of the Dutch Creek Formation is also possible. (see x-section A-A' Fig. 4, and x-section M-N, GSC memoir 369).

Figure 4 is a geological map showing approximate geological outlines based on a compilation from GSC Memoirs 148 and 369, Assessment Report 1614 and from outcrop and sample information collected during this summer's work.

#### 4.0 FIELD PROGRAM

Work was carried out from a tent camp located at timber line on the west branch of Farnham Creek near the south boundary of the BJ 3 claim, between July 21st and 27th. Two and a half days were spent clearing brush and running a Brunton and hip-chain traverse along the 1960-s mining road from the BJ 3 LCP up to the old workings on the Great Northern-World's Fair crown grants, and collecting four stream sediment samples along the way. One day was spent running an exploratory traverse from the road crossing on Farnham Creek north-east across the base of the cliff outcrops and large slide talus blocks of sheared argillites, quartzites and black rusty weathering schists of the Horsethief Creek formation immediately to the northeast of the Great Northern claim. From this point the traverse continued up the east branch of Farnham Creek where four stream sediment samples were collected, one from the 'barium' creek which flows out of a moraine in the upper north-east Farnham creek basin. Two rock chip grab samples were collected- RC10 from pyritized quartz stringers in a shear zone in rusty weathering schists at the first outcrop and RC9 from an outcrop of light grey dolomitic quartzite, probably from either the Horsethief Creek or Mt. Nelson formation, above the 'barium' creek moraine. The traverse continued across the base of steep, buff weathering Mt. Nelson limestone and/or dolomite cliffs, with occasional azurite staining, on the North Light claim. Another traverse



was run across the south boundary of the claim, on the Master, Butler, Imperial and Copper King crown grants, primarily to examine the old adit on the northeast corner of the Master claim and to examine copper mineralization on the ridge above these claims. The adit portal is caved in, and nothing of any interest was noted in the dump except for large quantities of black slates and schists. Much of the ridge was covered by snow however there were outcrops of Mt. Nelson carbonate and quartzite rocks with quartz and barite in fractures and bedding plane lenses accompanied by very sparse azurite staining. Three very old claim posts were found, and although the markings have long since been weathered off, the plotted positions are coincident with the north-east and southeast corners of the White Bear crown grant which was surveyed in 1925. It seems likely that the most northerly of these three posts was one used in locating the EM survey of AR 1977.

## 5.0 CONCLUSIONS AND RECOMMENDATIONS

Assay results from the stream sediment samples taken from the gullies above Farnham Creek in the north west corner of the BJ 3 claim were unremarkable. All of the samples taken from the east branch of the creek and including the older sample reported in QF 1990-11, assayed anomalously high in barium. Results from STS 6 show anomalously high barium and lead values. Assay results for RC 9 showed anomalous values for copper and lead. These anomalies indicate that detailed mapping and sampling should be concentrated in the upper east and north-east Farnham Creek basin.

Results of mapping and sampling in the area north and east of the old Phoenix prospects are encouraging, and detailed geological mapping and rock and soil sampling should be carried out in the triangle between the east and south branches of Farnham Creek.

Lack of adequate survey control is an obvious problem, especially in the western half of the BJ 3 claim where it is unlikely that any of the old 1902 crown grant survey posts will be found. Fortunately the 1902 survey plats show stream crossings and these agree quite well with the claim boundaries on the NTS 82K/8 1:50,000 topog sheet.

## 6.0 REFERENCES

- B.C. Minister Of Mines Annual Reports- 1901 p.1014, \*1902 p.137, 1903 p.245, \*1920 p.114, 1923 p.199, \*1924 p.181, 1968 p.266, and 1969 p.343.
- Reesor, J.W. GSC Memoir 369. Geology of the Lardeau Map Area, East Half, British Columbia.
- Walker J.F. and Bancroft M.F. GSC Memoir 161. Lardeau Map-area, British Columbia.
- Open File 1990-11. Stream Sediment Geochemistry of the Purcell Wilderness Conservancy Area.
- Assessment Reports 1614, 1977

7.0 STATEMENT OF EXPENDITURES

Transportation Nelson-Invermere and return 694 kilometers @ \$0.30	\$ 208
Helicopter Invermere to site and return	911
Camp expenses and food 14 man days @\$27	378
Planning and Supervision	350
Labor 96 hours @ \$13.25	1272
Maps, reports, xerox, aerial photos etc.	145
Assay costs 15 @ \$16, 2 @ \$29	298
Report preparation, drafting	875
	<hr/>
Total	\$4437

8.0 AUTHOR'S QUALIFICATIONS

I, Robert P. Jordan, hereby certify that I am currently registered as a Professional Engineer(Geological) with the Association of Professional Engineers and Geoscientists of B.C., Registration No. 04707.

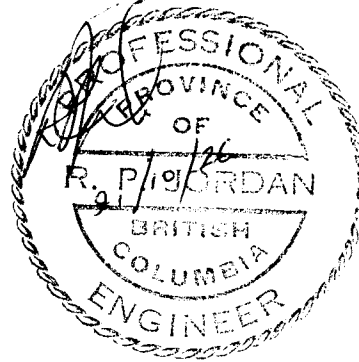


TABLE 1 SAMPLE DESCRIPTIONS AND ASSAYS (page 1 of 2)

+ Revised 91/10/28 *gof.*

Coordinates meters		Sample No.	Elev. meters	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Sb	ppm As	ppm Ba	% Ca	% Fe
North	East												
5586215	535825	773259	-	1	-	82	59	162	19.9	50	6120	-	4.8 (OF 1990-11)
✓ 5585795	536130	RC BJ-1	1985	2		3910	1210	1955	1000+	880			
5586605	535550	STSBJ-1	1830	10	0.8	64	18	236	5-	60	80	0.31	4.81
5586435	535645	STSBJ-2	1848	4	1.0	81	214	164	5-	35	760	0.14	5.19
5586300	535835	STSBJ-3	1860	4	1.0	69	156	118	5-	40	890	0.08	5.33
5585605	536040	RC 5	2097	5-	7.6	1085	516	1290	175	55	7880	6.07	0.91
5585730	535875	RC 6	2095		79.5oz/t	13%	46.3%	2.31%					
5585790	535840	RC 7	2085		23.4oz/t	1.66%	15.2%	0.37%					
5585760	535900	RC 8	2090	295	195.6	10k+	10k+	2020	5080	2080	220	2.59	1.64
5586140	537145	RC 9	2409	5-	3.4	167	374	62	60	20	60	15+	4.89
5586110	536395	RC 10	2038	5-	0.4	65	92	118	10	15	40	0.1	5.59
5584875	535925	RC 11	2187	5-	0.2	47	60	66	5	25	20	10.45	5.74
5585050	536183	STS-1	2100	5-	0.4	39	100	56	100	15	1420	2.66	3.34
5585870	536085	STS-2	1983	5-	0.6	57	76	180	76	15	2010	3.15	3.68
5585680	536460	STS-3	2050	5-	0.4	49	68	136	68	10	2010	4.36	3.10
✓ 5585730	✓ 537020	STS-4	2105	5-	0.4	79	96	56	96	20	1580	1.66	3.40
✓ 5586010	537110	STS-5	2352	5-	0.2	35	42	80	42	5	50	0.03	3.94
✓ 5585910	537155	STS-6	2374	5-	1.4	144	2140	154	2140	70	5390	0.16	4.14
5586300	535560	RS-0	1890±	Massive, dk gry.wx, lt. buff to brwn qtzt.w.siderite/qtz.fine veins Horsethief Fm?									
5586040	536215	RS-1	2069	Med.grd, gry grn to buff argillite w.fr.diss.py.Some gry schisose w.distictive lt.brwn siderite mottling.Horsethief Creek?									
5585240	535935	RS-2	2000±	F.gr'd.sericitic, conglomeritic schist, lt.gry to tan w.clear rounded qtz. grains up to 30mms.Toby Conglomerate.									
5585810	536090	RS-3	2000	Thick bedded massive lt.gry to wh.qtzt, fine to med.grd. Mt.Nelson									
5585790	536150	RS-4	1985	Gry to white mottled f.gr'd.qtzt.sparse galena, chp, py min see RC BJ-1.Mt.Nelson									

cont'd.--

TABLE I SAMPLE DESCRIPTIONS AND ASSAYS (page 2 of 2)

<u>Sample No.</u>	<u>Description</u>
773259	Open File 1990-11 Stream Sediment Geochemistry of the Purcell Wilderness Conservancy.
RC BJ-1	Grab sample from 3'in cliff band above sta.CP30.Rusty dol.qtzt.w.qtz & sid.stringers.Tetr.,py min.sparse.
STSBJ-1	From south gully of 3,steep,intermittent,across 1m-fair fine detritus between gravel,boulders.
STSBJ-2	From middle gully-steep,intermittent flow sample as above.
STSBJ-3	From large north gully,flowing stream on south side of outwash debris fan-good fines.
RC-5	Grab sample from bulldozer cut west of cp38-wh.qtz.in brecc.dk.gry ls.sid.veining-malachite/az.stain sparse tetr.min.strike 325° dip vertical ±.
RC-6	Selected sample of galena w.minor tetr.from Phoenix north shaft dump
RC-7	Selected sample of wh.rusty qtz.w.goodgalena/tetr.min-east end of old trench 60m @N30W from shaft.
RC-8	Chip sample across 12"rusty wh.qtz.vein exposed at west end of pit 13m north of shaft-good gal.,tetr,py min.
RC-9	Small grab sample from ot'c.in McCoubry cirque above 'barium'crk.-Lt.gry qtzt w.scattered tetr,py min.
RC-10	Selected grab sample from cliff ot'c.rusty sheared slates and schists N43E fm.CP30.Good py min.in qtz.str.
RC-11	Selected grab sample across 30'good py min in qtz.stringers in sheared blk.shale.
STS-1	Pan concentrate from fine gravel and sand in creek above camp
STS-2	From bar on west side E branch Farnham Creek below sta.CP 29
STS-3	From bar fines north side of E branch of Farnham Creek
STS-4	From south branch of above creek in basin
STS-5	From north branch of creek in basin-med.to coarse stream detritus
STS-6	From small centre branch (barium creek)in basin.med.to coarse detritus.

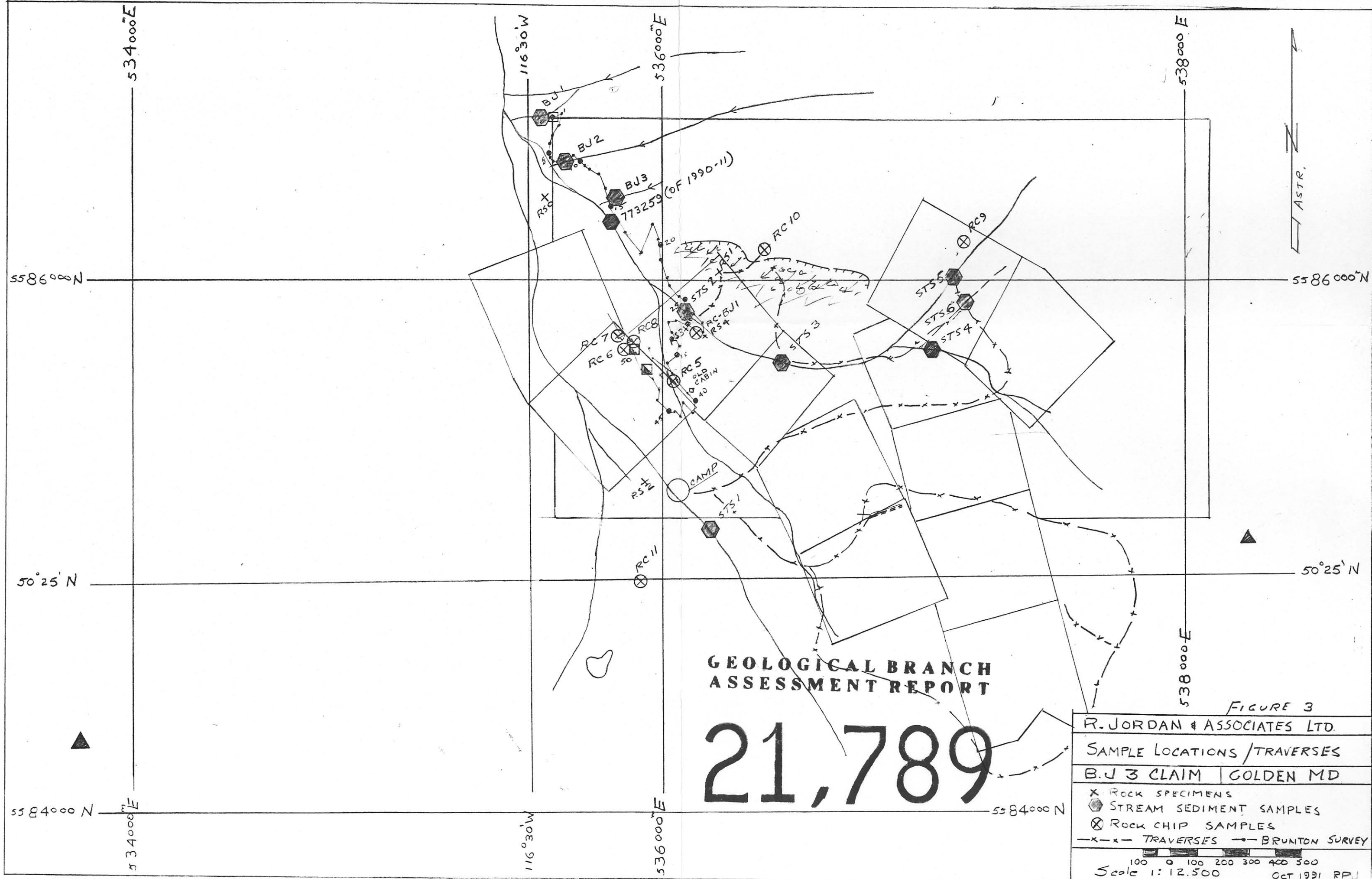
FARNHAM TRAVERSE - JULY 1991

STATION	ELEV.	ELEV CORR	FROM STN.	TO STN.	AZIM.	DIST.	NORTH-ING	EAST-ING	NORTH CO-ORD	EAST CO-ORD	CORR. ELEV.	NOTES
	m	m			deg.	m	m	m	m	m	m	
CP- 0	1812	-3							0.0	0.0	✓1809	BJ3 LCP
CP- 1	1821	-3	CP- 0	CP- 1	62	25.5	12.0	22.5	12.0	22.5	✓1818	up creek to road
CP- 2	1827	-4	CP- 1	CP- 2	190	48.6	-47.9	-8.4	-35.9	14.1	✓1823	on road
CP- 3	1826	-4	CP- 2	CP- 3	210	45.0	-39.0	-22.5	-74.9	-8.4	✓1822	on road. Bushy!
CP- 4	1830	-5	CP- 3	CP- 4	188	23.2	-23.0	-3.2	-97.8	-11.7	✓1825	bushy!
CP- 5	1831	-5	CP- 4	CP- 5	185	45	-44.8	-3.9	-142.7	-15.6	✓1826	gully wash at 30m. Bushy!
CP- 6	1840	-5	CP- 5	CP- 6	163	13	-12.4	3.8	-155.1	-11.8	✓1835	
CP- 7	1845	-6	CP- 6	CP- 7	128	10.9	-6.7	8.6	-161.8	-3.2	✓1839	major gully (see air photo). On N edge gully on road.
CP- 8	1849	-6	CP- 7	CP- 8	80	44.5	7.7	43.8	-154.1	40.6	✓1843	on S edge gully
CP- 9	1860	-6	CP- 8	CP- 9	73	48.4	14.2	46.3	-139.9	86.9	✓1854	on S edge gully at switchback
CP- 10	1863	-7	CP- 9	CP- 10	149	34	-29.1	17.5	-169.1	104.4	✓1856	on road
CP- 11	1868	-7	CP- 10	CP- 11	116	21.8	-9.6	19.6	-178.6	124.0	✓1861	260° to qtz. etc. W side creek
CP- 12		-7	CP- 11	CP- 12	118	22.7	-10.7	20.0	-189.3	144.1	✓	in clear!
CP- 13	1881	-8	CP- 12	CP- 13	121	37.8	-19.5	32.4	-208.8	175.5	✓1873	angular float (large) grey to tan rusty schistose ls. w. narrow (1-2 ") qtz. Some breccia.
CP- 14	1885	-8	CP- 13	CP- 14	156	60.2	-55.0	24.5	-263.7	201.0	✓1877	
CP- 15	1891	-8	CP- 14	CP- 15	167	70.3	-68.5	15.8	-332.2	216.8	✓1883	creek. 40m W
CP- 16	1911	-9	CP- 15	CP- 16	150	119	-102.6	59.3	-434.9	275.0	✓1902	grey schistose ls. float w. barren rusty quartz.
CP- 17	1928	-9	CP- 16	CP- 17	142	95.0	-74.9	58.5	-509.7	334.5	✓1919	switchback on E side creek
CP- 18	1950	-9	CP- 17	CP- 18	17	120.9	115.6	35.3	-394.1	369.9	✓1941	on switchbacks
CP- 19	1954	-10	CP- 18	CP- 19	154	79.1	-63.0	30.7	-457.1	400.6	✓1944	large outcrop above road 125m ±
CP- 20	1960	-10	CP- 19	CP- 20	144	24.2	-19.6	14.2	-476.7	414.8	✓1950	
CP- 21	1971	-10	CP- 20	CP- 21	185	52.1	-51.9	-4.5	-523.6	410.3	✓1961	large erratics from rock slide to E. Lt. gry. limey schistose w. occasional quartz veins - irregular 6" ± Some pyr. + ? min. diss. in groundmass.
CP- 22	1979	-11	CP- 21	CP- 22	163	76.9	-73.5	22.5	-602.1	432.8	✓1968	
CP- 23	1981	-11	CP- 22	CP- 23	170	23.2	-27.3	4.9	-629.9	437.7	✓1970	
CP- 24	1986	-11	CP- 23	CP- 24	135	61.3	-43.3	43.3	-673.3	481.0	✓1975	
CP- 25	1988	-12	CP- 24	CP- 25	124	21.5	-12.0	17.8	-685.3	493.8	✓1976	dk gry foliated schist. float on road
CP- 26	1998	-12	CP- 25	CP- 26	161	35.1	-34.1	11.8	-719.4	510.6	✓1986	
CP- 27	1998	-12	CP- 26	CP- 27	127	32.2	-19.4	25.7	-733.8	535.3	✓1986	black slaty schist float on road.

STATION	ELEV.	ELEV CORR	FROM STN.	TO STN.	AZIM.	DIST.	NORTH-ING	EAST-ING	NORTH CO-ORD	EAST CO-ORD	CORR. ELEV.	NOTES
	m	m			deg.	m	m	m	m	m	m	
CP- 28	2001	-13	CP- 27	CP- 28	147	51.8	-43.4	28.2	-782.2	564.5	✓1988	S side of creek crossing and on E side of creek to south Toby fm.
CP- 29	1998	-13	CP- 28	CP- 29	163	25.4	-24.3	7.4	-806.5	571.9	✓1985	
CP- 30	2020	-13	CP- 29	CP- 30	291	72.1	25.8	-67.3	-780.7	504.6	✓2007	large ot'c to W. Lt. gry. dense ls. w. quartz stringers sli cp, py min. Site of 1990 chip sple (brecc, fract) CP-30 to Black Diamond: 111° to Mt. Hammond: 177°
CP- 31	2023	-14	CP- 30	CP- 31	305	48.3	27.7	-39.6	-753.0	465.1	✓2009	end of ot'c on E side of ridge
CP- 32	2029	-14	CP- 31	CP- 32	245	25.9	-10.9	-23.5	-763.9	441.6	✓2015	W branch 35m W of Δ32. Lt. gry dense dol. No vis. min.
CP- 33	2041	-14	CP- 32	CP- 33	165	36.0	-34.8	9.3	-798.7	450.9	✓2027	
CP- 34	2061	-15	CP- 33	CP- 34	157	69.3	-63.8	27.1	-862.5	478.0	✓2046	str. 145° dip 50° W fine qtz. veining buff wx.
CP- 35	2068	-15	CP- 34	CP- 35	202	33.6	-31.2	-12.6	-893.6	465.4	✓2053	
CP- 36	2072	-15	CP- 35	CP- 36	229	42.0	-27.6	-31.7	-921.2	433.7	✓2057	
CP- 37	2080		CP- 36	CP- 37	170	54.8	-54.0	9.5	-975.2	443.2	✓2080	junction
CP- 38	2097		CP- 37	CP- 38	130	36.3	-23.3	27.8	-998.5	471.0	✓2097	on rock
CP- 39	2104		CP- 38	CP- 39	133	52.1	-35.5	38.1	-1034.0	509.1	✓2104	old cabin.
CP- 40	2100		CP- 39	CP- 40	149	47.3	-40.5	24.4	-1074.6	533.5	✓2100	
CP- 41	2093		CP- 40	CP- 41	183	34.2	-34.2	-1.8	-1108.7	531.7	✓2093	extensive blk schist (old core shack) Shale float to S on E side of creek.
CP- 42	2098		CP- 41	CP- 42	310	58.5	37.6	-44.8	-1071.1	486.9	✓2098	
CP- 43	2089		CP- 42	CP- 43	178	47.5	-47.5	1.7	-1118.6	483.5	✓2089	on E side of creek - abund. blk schist float ot'c. in creek 10m S Lots of qtz. float in creek.
CP- 44	2097		CP- 43	CP- 44	298	36.1	16.9	-31.9	-1101.7	456.7	✓2097	
CP- 45	2099		CP- 44	CP- 45	263	17.4	-2.1	-17.3	-1103.8	439.4	✓2099	
CP- 46	2104		CP- 45	CP- 46	315	53.9	41.5	-41.6	-1062.1	397.8	✓2104	extensive dk. gry. schist, rusty. Some rusty ls. (?) float.
CP- 47	2101		CP- 46	CP- 47	5	32.5	32.4	2.6	-1029.7	400.6	✓2101	end of schist float. Now lt. gry. qtz. mica gneiss float (?)
CP- 48	2101		CP- 47	CP- 48	327	55.6	46.6	-30.3	-983.1	370.3	✓2101	
CP- 49	2100		CP- 48	CP- 49	316	49.9	35.3	-34.7	-947.2	335.6	✓2100	float - buff soft wx. Lt. gry dol qtz. ??



STATION	ELEV.	ELEV CORR	FROM STN.	TO STN.	AZIM.	DIST.	NORTH- ING	EAST- ING	NORTH CO-ORD	EAST CO-ORD	CORR. ELEV.	NOTES
	m	m			deg.	m	m	m	m	m	m	
CP- 50			CP- 49	CP- 50	338	58.5	54.2	-21.9	-893.0	313.7		sta. 49.2 good ot'c of lt. gry. micaceous gneissic rusty rock. Buff wx. strike 330°. Vertical? DDH at CP-50: 63° at 45° collared in lt. gry. conglomeratic gneiss as above. Similar to ot'c (boulder?) at ΔCPA-2.
CPA- 1	2072		CP- 37	CPA- 1	311	97.5	64.0	-73.6	-911.2	369.6	2072	qtz. float in creek. Occ. tetrahedrite, mostly barren, white. Dk. gry. dense soft ls. float at CPA-1 . Some malachite staining.
CPA- 2	2068		CPA- 1	CPA- 2	336	48.2	44.0	-19.6	-867.2	350.0	2068	DDH. 239° 45° SW 8m at 275° from station CPA-1 . Qtz. flt. w. malachite, azurite stain (minor). tetrahedrite?
CPA- 3	2072		CPA- 2	CPA- 3	180	25.0	-25.0	0.0	-892.2	350.0	2072	on spur road. Ot'c of buff wx. lt. gry dense dolomite (?) similar to exposure on E side of ridge (1990 sample). Is this stuff dolomitic qtzt? Soft buff wx.
CPB- 1	2085		CP- 38	CPB- 1	210	18.3	-15.8	-9.1	-1014.3	461.9	2085	qtz. ot'c. in bulldozer cut.
CPB- 2	2085		CP- 38	CPB- 2	225	26.5	-18.7	-18.7	-1017.2	452.3	2085	" " " " "
												Wh. qtz. in brecc. dk. gry. ls. Some siderite ? veining. Occ. abundant malachite stain, sparse tetrahedrite. Outcrops in creek below. Strike 325° (?). Dip unknown. Grab sample from W exposure - rusty qtz. & brecc. ls.

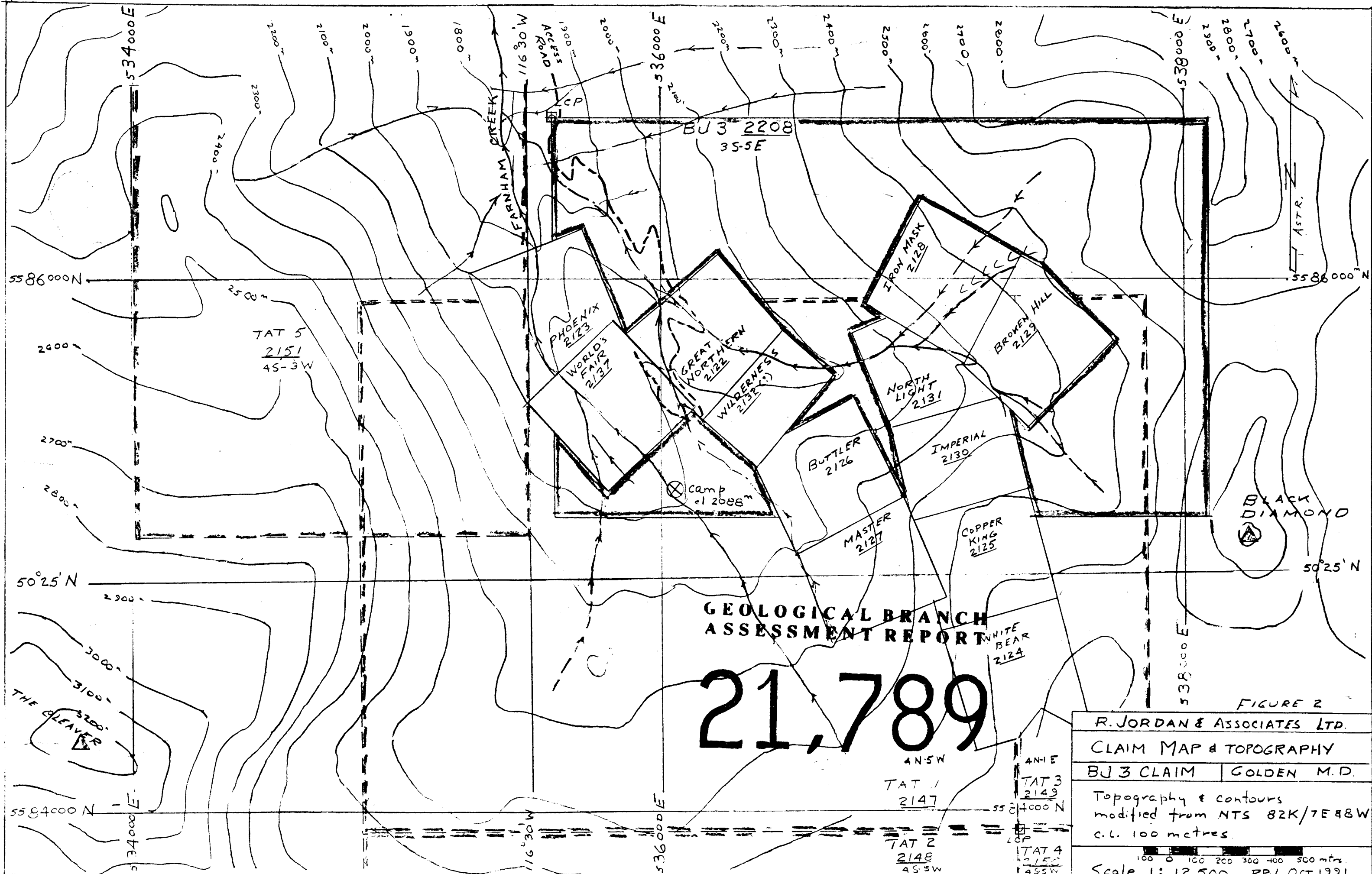


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FIGURE 3

R. JORDAN & ASSOCIATES LTD.	
SAMPLE LOCATIONS / TRAVERSES	
B.J. 3 CLAIM	GOLDEN MD
X	ROCK SPECIMENS
◈	STREAM SEDIMENT SAMPLES
⊗	ROCK CHIP SAMPLES
-x-x-	TRAVERSES
→	BRUNTON SURVEY
100 0 100 200 300 400 500 Scale 1:12,500	
OCT 1991 RPJ	



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**FIGURE 2**

R. JORDAN & ASSOCIATES LTD.

CLAIM MAP & TOPOGRAPHY

BJ 3 CLAIM | GOLDEN M.D.

Topography & contours  
modified from NTS 82K/7E98W  
c.l. 100 metres.

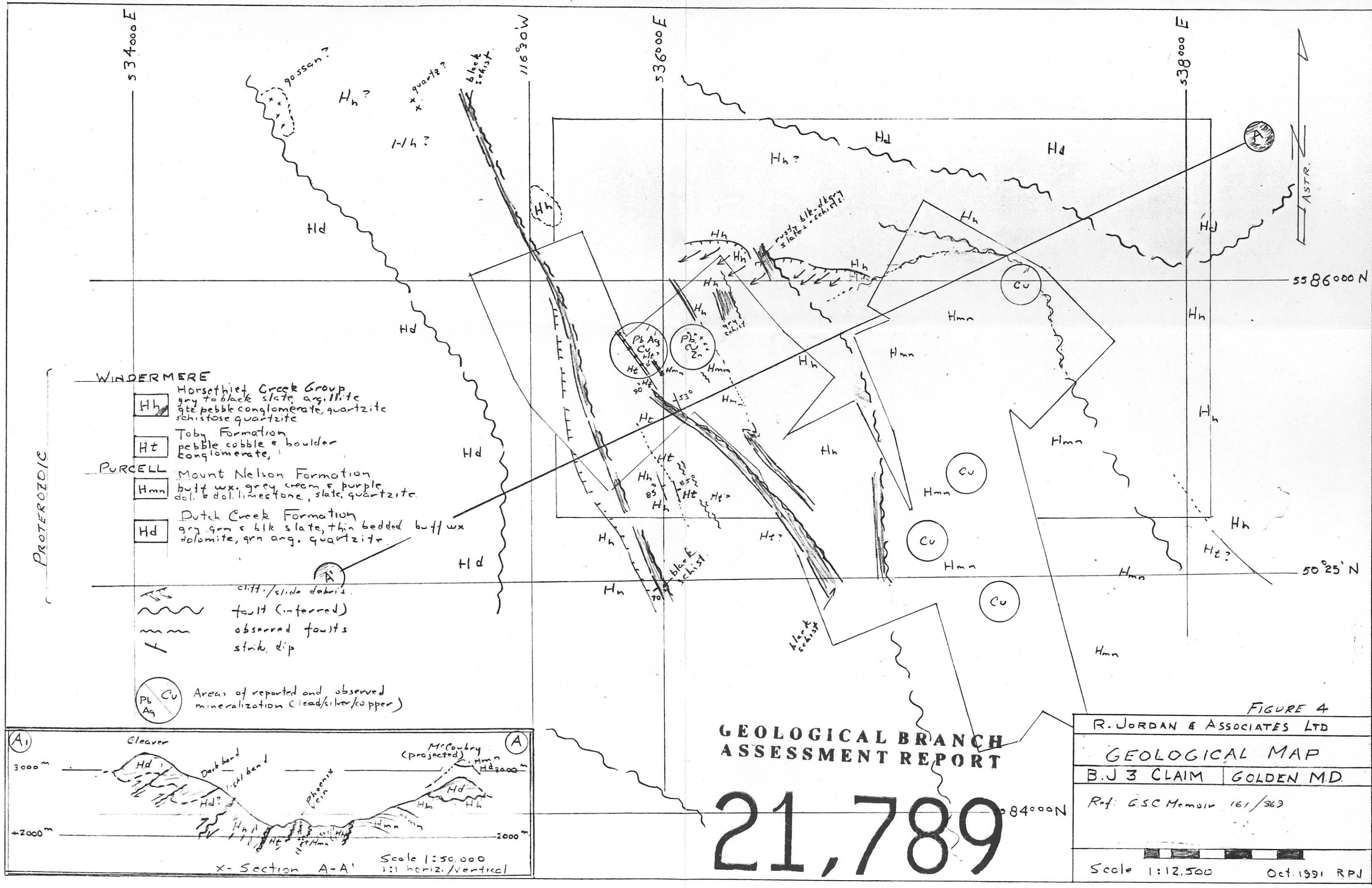
Scale 1: 12,500 R.P.U. OCT 1991

4N5W  
TAT 1  
2147

4N5E  
TAT 3  
2149

4N5W  
TAT 2  
2148

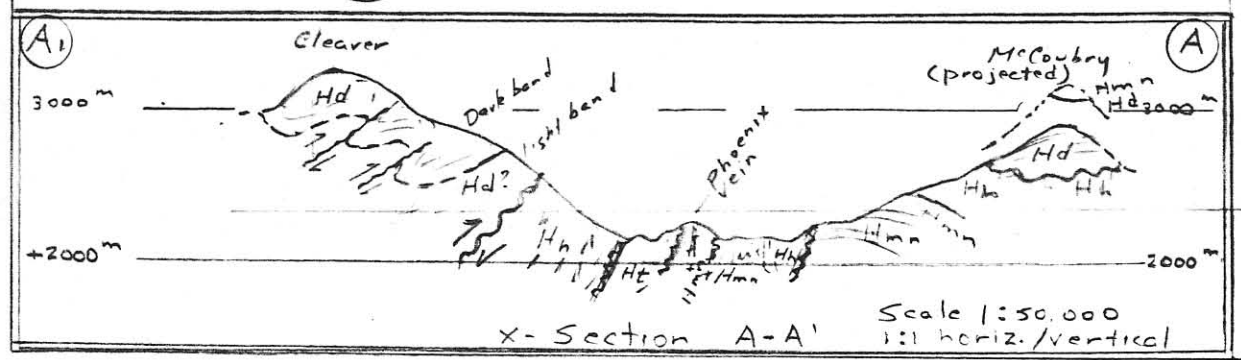
4N5E  
TAT 4  
2150



- WINDERMERE**
- Hh** Horsethiet Creek Group  
gry to black slate, argillite  
qtz pebble conglomerate, quartzite  
schistose quartzite
  - Ht** Toby Formation  
pebble cobble & boulder  
conglomerate,
- PURCELL**
- Hmn** Mount Nelson Formation  
buff wx. grey cream & purple  
dol. & dol. limestone, slate, quartzite.
  - Hd** Dutch Creek Formation  
gry grn & blk slate, thin bedded buff wx  
dolomite, grn arg. quartzite

- cliff./slide debris.
- fault (inferred)
- observed faults
- strike, dip

Areas of reported and observed mineralization (lead/silver/copper)



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FIGURE 4

R. JORDAN & ASSOCIATES LTD	
GEOLOGICAL MAP	
B.J 3 CLAIM	GOLDEN M.D.
Ref: GSC Memoir 161/363	
Scale 1:12,500	Oct. 1991 RPI