

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
MINISTRY OF ENERGY AND MINES
GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR: 2001/2002

REPORT #: PAP 01-14

NAME: DANIEL EPP

D. TECHNICAL REPORT



**BRITISH
COLUMBIA**

Ministry of Energy and Mines
Energy and Minerals Division

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, page 6.

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confidential for one year and is subject to the provisions of the Freedom of Information Act.

Name DAN EPP Reference Number P17

LOCATION/COMMODITIES

Project Area (as listed in Part A) Sallimant Valley + vicinity MINFILE No. if applicable _____

Location of Project Area NTS _____ Lat _____ Long _____

Description of Location and Access Valley is about 18 km E of Bella Coola Harbor & runs N. Access is by road, foot or helicopter.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Bob Lenci, Pete Nygaard, Val Nygaard, Les Carlson - all have an avid interest in rocks

Main Commodities Searched For Gold, silver

Known Mineral Occurrences in Project Area Bella Coola Chief - Mini File 093D009
Cu, Ag, Zn, Pb, V, Sr

WORK PERFORMED

1. Conventional Prospecting (area) see attached notes
2. Geological Mapping (hectares/scale) Nil
3. Geochemical (type and no. of samples) Nil
4. Geophysical (type and line km) Nil
5. Physical Work (type and amount) Nil
6. Drilling (no. holes, size, depth in m, total m) Nil
7. Other (specify) _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

#11, page 6 - The grant should be for the calendar year as some of the best prospecting days are in the spring.

#12, page 6 - Spending 10% on assays is not always possible as one does not find one on every trip

#17 - D-C - should spell out the \$ we wanted such as \$ 13 3/680 or whatever.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- Supporting data must be submitted with the following **TECHNICAL REPORT** or any report accepted in lieu of.

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Name DAN EPP Reference Number P 17

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

Salloumt Valley and vicinity

2. PROGRAM OBJECTIVE [Include original exploration target.]

Looking for gold or any mineral worth mining

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

See attached notes + maps for results

D. TECHNICAL REPORT - PROSPECTING RESULTS FOR 2001

All of my 2001 work took place within Bella Coola Map 093D. I prospected various sites within this area such as Salloomt, Nusatsum, Thorsen, Talchako. I sent out a total of 56 grab samples for assay. We took mostly grab samples using prospecting picks. I also took reassessment grab and chip samples from my claim MILICA which partially covers the reverted Bella Coola Chief C.G., Minifile 093D009. When I came home with my samples I labelled them and set them aside until I got more. Later, when I got ready to send them out I erroneously misnumbered them so on my first day I named my sample #7, on day two, #6, on day four #1-5. The samples were right just the numbering was wrong and by day eight, sample #8, I was back on track. Field time did not include travel unless I was prospecting along the road. Most of the time return km's were from home to where I parked. For heli trips this was the airport. On some trips I was accompanied by one or more of the following prospector types: Bob Lenci, Pete Nygaard, Val Nygaard, Les Carlson, Pete Solhjell, Darwin Unrau and John Webster. All have an interest in rocks, Pete N once had a FMC and Bob L now has one, John is principal of the high school and teaches geology courses. Following is a description of my prospecting results for each area, starting with:

TECHNICAL REPORT ON RESULTS

Any time we saw pyrite we started to look more thoroughly as py seems to be the main indicator in this area. We got the best results in the Salloomt drainage area where we found copper, molybdenum, zinc, lead, silver, gold, nickel and some rare elements such as strontium and vanadium. All of our finds were associated with quartz veins, diorite, andesite, granite or granodiorite. Thorsen was a disappointment as we found very little of interest. The same in Nusatsum, not much mineralization. In one of my "other" areas, Talchako Valley, I found tungsten which is probably worth further investigation. However, we did not get to all the sites we hoped to due to (a) 83 days of rain between May 19 and Nov 8, then it snowed, (b) excessive use of the 2 available helicopters, one was stationed at a logging camp and the other was so busy that sometimes he had to pick us up early or we had to call him early as bad weather was closing in fast, (c) the creeks stayed high longer than normal. So there is still more to do in 2002 and we are eagerly awaiting spring weather.

Assays - I erroneously based my 10% on \$6951 as I read the guide wrong and by the time I learned of my error it was too late to get more samples, had we been able to find more. I could have sent more samples in for assay from the ore we did find but that would have been duplication.

D. TECHNICAL REPORT - SALLOOMT VALLEY AND VICINITY

May 24: Upper E. Salloomt - I got sample # 6 from an old slide 100 ft / 30 m above a boulder on the mine trail a little beyond a dry wash creek, downstream from the old cabin site. I put flagging tape on a He tree there. Elevation 1100 ft / 335 m. The slide was mostly moss covered but exposed rocks were chlorite schist, granite, andesite, quartz. Not much in the assay. Field time: 6hrs., 31 rtn kms.

May 29: Lower E. Salloomt - Prospected along an old uphill logging road to 2000 ft / 610 m. el. There were tilted slate beds, andesite, chlorite, nothing of interest. I then went S. into some old slide areas, covered by forest now. Rock is almost all andesite but there is a lot of barren white quartz in the area. No minerals to be found. Field time: 6 hrs, 31 rtn kms.

June 3: Upper E Salloomt - Prospected along the valley floor with Darwin, as far as 2 old slides, 2.5 hours past the old QUEEN claim post below Bella Coola Chief. The 1st slide had nothing. An old trappers cabin is at the bottom of it. The 2nd had many pyritized rocks. It was near a contact between foliated, chloritized quartz diorite and andesitic dikes. Got sample # 1 to 5 here which showed some Cu and Mn. Field time: 9.5 hrs., 31 rtn kms.

June 13: Mid E Salloomt - Checked out an area of slides I had not been to before. I checked out rocks uphill to 2000 ft / 610 m. el. It started to pour rain so I had to take refuge under a rock overhang for a half hour as I had no rain gear, the sky was blue when I started. I examined 6 of 11 talus areas, found little. Andesite appeared to be the main constituent of the rocks. One slide had rusty rocks and quartz, nothing in them and the cliff face above was barren. Field time: 5 hrs., 31 rtn kms.

July 14: Upper E Salloomt - Examined 2 big slides 1 km +- past the last logging slash. On the S slide I climbed up through the middle checking for mineral. There were huge andesite boulders, many with quartz veins. I broke open a lot of the smaller ones, looking for any sign of minerals with no luck. At the top I lateralled over to the N slide where there was lot's of rusty slate, less quartz, and worked my way down. Hammered many rocks but could find no minerals in any of them. Field time: 5 hrs., 33 rtn kms.

July 20: Upper E Salloomt - Went to prospect in the area of my claim MILICA which Darwin and I staked over portions of the old Bella Coola Chief, Minfile 093D009, on May 6/01. In the lower part of the gorge SW of my claim I found some interesting rocks. I continued to 2500 ft / 762 m el along the S edge and found I could not get down into it so went back down to 1600 ft / 487 m elevation where I could, with some difficulty. It's no wonder the old timers made zig-zag trails up between gorges. I then checked out rocks from there down past where I'd started at about 1400 ft / 427 m el and on to where it petered out at 1150 ft / 350 m el. The gorge was 100 ft / 30 m deep at 2200 ft / 670 m el and nil at 1150 ft / 350 m el. The lower part is covered with

young Ba+ He trees making it hard to see the ground. Rock types in the gorge were mostly andesite with many quartz veins. There were also other fine grained and gneissic rock types, probably from the contact zone above. I got samples # 20+ #21 in the gorge which contained 161 ppm Mo, 6586 ppm Cu and other values. Field time: 9.5 hrs., 33 rtn km.

July 24: Upper E Salloomt - Made it to my claim MILICA by angling up NE below the deep gorges from the old QUEEN CP on the bank of the Salloomt River. Elevation is 2200 ft /670 m. I got sample # 22 for reassessment. I took it from the loose talus below the mineralized dikes where the old, covered in tunnels were. I already had an idea of what was in the tunnels because of a 1991 assay I had done on some ore from the ore pit on the hill 50 feet west of the lower adit which came from the adits.. That assay showed 99999 ppm Cu, 4489 ppm Zn, 255.5 ppm Ag, 162 ppm Ni, 202 ppm Co. My sample #22 was probably originated on the cliff above as some old letters I read re work done in the late 1950's to early 1960's indicated they had used powder above the tunnels. Anyway, Sample #22 showed 60 ppm Mo, 7988 ppm Cu, 22.9 ppm Ag. Not as good as from the tunnels but still not bad. Field time: 8 hrs., 33 rtn kms.

July 26: Climbed up the NE part of Salloomt Peak trying to reach a gossan I'd seen from below. No water until I found a spring at 4000 ft/ 1219 m. el., had to pack water for my dog. Treacherous walking as there is a lot of loose talus covered with moss. Exposed rocks were predominantly chlorite schist. Near a contact were gneissic rocks and slate, some had quartz seams, some were granitic. But no minerals, not even pyrite. The going got easier around 3000 ft /914 m. el but at 4200 ft /1280 m. I came to tough going with dense low brush and many windfalls so decided to stop. Lost my pick. Back at the truck I looked up and saw I had been within 1000 ft /304 m el of the gossan. Field time: 7 hrs., 14 rtn km.

July 31: Upper E Salloomt - Bob Lenci and I went up to my claim as I wanted to check out the left side of the old #2 adit where Ted Muth, an American mining engineer, in a letter to my dad, said this is where the best ore is. He claimed none of the big companies, Silver Standard, Cominco or Noranda had drilled there. So we did the arduous trip and got samples from the upper left side of adit # 2 in an area Ted called Torgers diggings. This may be where adit #3, mentioned in some reports is, buried under talus. We found malachite and some black soft ore which I felt was Mo. Host rock is andesite. diorite, quartz dikes. Sample # 23, 24 ,25 showed good values in Mo, Cu, Zn, Ag, V. Field time: 8 hrs, 33 rtn kms.

August 5: Upper E Salloomt - checked out some slides and creeks about 1 km downstream from the old QUEEN claim post. The slides had nothing but andesite boulders. A little further upstream I looked at 2 creeks and followed them up a ways. They had more interesting rock formations such as slate, chlorite schist, andesite. Quartz seams were in the chloite, some cut across the foliations and some between layers often in the same boulder. But there was no sign of any mineralization. Field time: 6 hrs., 32 rtn kms.

August 12: Mill Creek area - Flew to the top of Goat Mountain, 7100 ft / 2164 m el. There were 4 prospector types with me, Bob Lenci, Pete Nygaard, Val Nygaard, Les Carlson. Many rusty outcrops were evident, some rotten slate and other extrusive rocks. After we had checked all the top area (nothing of interest) we worked our way down a ridge in a westerly direction checking all the many gossans as we went, many rusty slate on -edge outcrops were found. We approached a pass at 5000 ft / 1524 m el which runs between Mill Creek and Necleetsconnay River. The north side of the pass drains into Salloomt Valley. As we approached the pass below I could see 3 big rusty colored quartz veins on the far side, each at least 1 metre wide. Two of the veins were vertical with a steep patch of ice and snow butting up against the bottom ends. We could not get to them. The other vein dipped at about 45 degrees. When we got to the floor of the pass Bob and I crossed and climbed up to the lower end of the inclined vein. Up to this point we'd found little. There were different rocks on the S side of the pass where the quartz veins were, more dioritic types. We took 2 samples here- #26 from the talus below the vein and #27 from the exposed vein itself. #26 had better Cu, Co, Sr and V values but #27 was higher in Ag and Au. In fact, #27 had 3ppm Au, my only sample so far in my program that showed Au values. Ag was 45 ppm. Field time: 9.5 hrs., 25 rtn kms.

August 24: W Salloomt - Parked at end of the logging road and hiked up to the spruce tree that crosses the Salloomt River. Crossed it and angled upstream through a devils club plantation. I was trying to reach a creek coming from the mountain; the cliffs above were stained brown and there appeared to be quartz veins high up. Could not find the creek as there was too much brush so went down to the river bar and broke some rocks to see what was there. Found pyrite, maybe chalcopyrite. I was across the river from the old claim post so it could have washed across from the mine gorge years earlier. Did not take samples because unsure of the origin. Field time: 7 hrs., 32 rtn kms

August 26: Lower E Salloomt - walked up an old deactivated logging road and found some ore, sample #28, at the 1st switchback at the 800 ft / 245 m el level. Spent several hours trying to find the source but could not. It must have come down the hill but there is heavy forest there that goes up 4000 ft / 1219 m or more making it hard to find. The assay was quite low in everything. Field time: 5 hrs., 20 rtn kms.

September 4: W Salloomt - Crossed to W Salloomt again, angled up in a westerly direction and found some biotite granite at about the 800 ft / 245 m level, all andesite up to then. I came to a small falls. Numerous gossans are in the area there but no minerals. There was a water sample tag there on a little log at the edge of the stream. I angled down to the Salloomt River in a NE direction then upstream past the old mine gorge. Broke some rocks on the beach and found nil which strengthens my belief that the ore I found downstream on both sides of the river (across from old mine) does in fact come from the mine gorge. No samples today. Field time: 8 hrs., 22 rtn kms.

Sept 12: Lower W Salloomt - Drove to 7.5 km bridge and prospected my way down stream, checking the talus slopes and bluffs. Found mostly andesite but there was one

spot with granite and quartz seams. No ore though. Field time: 5 hrs, 22, rtn kms.

Sept 20: Upper Salloomt - Bob and I landed at 5600 ft / 1707 m el on a ridge a little NE of the old mine. There were gossans on both sides of the ridge, rock types on the S side were quartz, diorite, pyrite, andesite. We got samples # 40, 41, 42 there on the S side of that ridge which had good values in Cu, Pb, Zn, Co, Mn. After checking out all accessible ground we then meandered over to the N side of the ridge which was strenuous going. Here there were more granitic rocks and quartz veins. There was also malchite in both areas, more on the N side of ridge. Sample # 43 came from the N side. It had 5926 ppm Cu, 2583 ppm Pb, 519 ppm Zn and other values. The weather was closing in on us so we had to call the chopper a little sooner than we planned. Field time: 6.5 hrs., 25 rtn kms.

Sept 24: NW Salloomt - Bob and I planned to land NW of the mine site and prospect our way south along the ridge but fog rolled in so we ended up landing a little short of our destination on the south end of the unnamed mountain, above locally named Earl Lake at 6300 ft / 1920 m el. From the air we could see many gossans and what appeared to be quartz dikes but on the ground inspection revealed they were light granitic type dikes. There were quartz stringers as well as mudstone, shale, slate, chlorite, greenstone, mafic dikes, gneiss. We found a little pyrite and possibly fossils. Someone had had a campfire there so we thought the water samplers camped there. We took one sample there, #44 which had 300 ppm Mo, 223 ppm Pb, 259 ppm Zn and little else. Then we descended to the area above Earl Lake, a big basin with gossans on the east edge but found nil. We did a thorough job of prospecting, walking along the upper ridges at 6000 feet and on our descent to Earl Lake.

Field time: 6.5 hrs., 25 rtn kms.

Oct 2: Upper NW Salloomt - Bob and I flew in to the area with we could not reach Sept 24, landing in a pass at 5200 ft / 1585 m el where we took sample # 47 from a big gossan. We spent a lot of time there checking all the gossans we could get to before walking a sharp ridge above a lake and glacier to the N end. We got sample # 45 along the ridge (it had low values) This ridge had slate on the S side and lots of quartz. At the N end there was a lot of granite and not as much stain. We spent a lot of time examining the rocks and got our sample # 46 a little below the lake in a small creek. It had values in Mo, Cu, Co, Sr, Bi. Sample #47 was very heavy due to 24 % Fe. It had 190 ppm Bi as well. Field time: 8.5 hrs., 25 rtn kms.

Oct 5: Upper NE Salloomt - Bob and I landed in a pass in the uppermost fork which runs more or less easterly. We landed 5100 ft / 1554 m el on a grassy knoll at the upper end where it drops off into Mt Stepp. We got sample #48 right where we landed, from a small gossan there. Above us on the south were numerous gossans above numerous slides. We prospected our way SE going down to 5000 ft / 1432 m el then back up to the 5000ft / 1524 m el to check out the last slide we could get to. Finding a sample where we landed made us optimistic but the slide above our landing site yielded little as did the next three to the southeast. The gossans above these were

quite smooth. The 1st three slides had basalt, andesite, numerous fine grained purple, green, grey and red rocks. We got samples #49, 50, 51 here, one each from 3 of the 4 slides. The 4th slide had pyrite in almost every boulder and the gossan above it was quite jagged and rough so we were anticipating good results. Sample # 52 came from here, it had the best Cu, V values. The 4th slide also had granite type rocks. From the pass we could see Thunder Mt to the east, Mt Stepp to the northeast, Mt Cresswell to the northwest. I also found what appeared to be jasper in the slides.

Field time: 7 hrs., 25 rtn kms.

Nov 18: upper salloomt - Our 12 inches /30 cm of snow melted, at least in the lower levels so I walked to the old QUEEN claim post on the Salloomt river bank and headed uphill in an east direction to the 1500 ft / 457 m el level then went horizontally in a NE direction. I came to the remains of an old heliport past the 3rd creek and had to climb 60 metres to escape the thick brush before arriving at the 4th creek which is where the old Bella Coola Chief claim is. Past this point I started checking out the creeks and gullies as I had not done it before. I was looking for the creek that drains out of the huge gossan we saw from above on an earlier trip. The 5th creek had white quartz and rusty rocks. This could be the place! Way up I could see several big cottonwood trees. The 6th creek bed was dry and shallow with no rocks showing. The 7th was a brisk brook and I found signs of mineralization here. There was granite, quartz, diorite, andesite. I was at the 1600 ft /488 m el and I wanted to go up higher but the shadows were deepening so I worked my way down the creek bed and found enough mineralized rock for a sample before heading back down to a gravel bar on the Salloomt, flagging my way as I went. Like so many of these mountain creeks, this one petered out 656 ft / 200 m el above the Salloomt and would have been hard to find. On the gravel bar I made a big X with fluorescent flagging tape just in case I flew in later. It was almost fully dark by the time I got back to my truck. Field time: 6.75 hrs., 33 rtn kms.

Nov 21: upper salloomt - The snow has now melted to the 2500 /760 m level and there was a high overcast so I went up the Salloomt river by helicopter with Bob Lenci and we landed on the gravel bar below the creeks I checked Nov 18. My big X was still there, easy to see. We headed up #7 creek to 1900 ft /579 m el where a big cliff appeared. There were gossans and some quartz there but the gorge was deep so we kept going, angling up in a SE direction, crossing #6 creek as we went. At 2000 ft/610 m el we found pyrite and quartz in andesite on the N edge of # 5 creek. We continued uphill and finally reached our goal, an area of many quartz veins, most over 30 cm wide. Some were white, many were rusty colored. They were mostly on the N side of the gully. Both sides had gossans. There was a raised ridge in the middle of the gorge. I went up the right side of the ridge to the bottom of a fresh snow slide at the 2400 ft /731 m el and found a sample then joined Bob on the left side where we got more samples at 2300 /701 m el. The rock in the gorge was quite loose in spots, hard to walk on as one would start sliding and could not stop. There were many fresh boulders that had come down with the recent snow slides so we were very vigilant. To make matters worse, it was pouring rain, we both got soaked even though we had rain clothes on. Rock types were andesite, diorite, granite, quartz.

Field time: ~~6.5~~ hrs., 25 rtn kms.

6.5

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Capsule Geology and Bibliography

[Public Report](#)
093D 009

Name	BELLA COOLA CHIEF (L.176)	Mining Division	Skeena
Status	Showing	NTS	093D10E NAD 27
Latitude Longitude	52 31 30 N 126 32 37 W	UTM	09 5822050 666645
Commodities	Copper Silver Gold	Deposit Types	
Tectonic Belt	Coast Crystalline	Terranes	Stikine. Plutonic Rocks.

Capsule Geology

The property is located on the Salloomt River, about 24 kilometres northeast of Bella Coola.

The Bella Coola Chief property, consisting of the Bella Coola Chief (Lot 176), Queen (Lot 177), Red Deer (Lot 178), and Sulphur (Lot 179) were Crown-granted in 1906 to Messrs. Arneson, Kellog, Olson and Christenson. Surface trenching was done and two adits were driven, one 18 metres and the other 5 metres long. In 1922 the property was owned by Messrs. Olson, Brynildsen and Clauson; no work was done. Noranda Mines Limited held the properties in 1954. Silver Standard Mines optioned the property in 1956 and trenched (171 metres) and drilled nine holes totalling 91 metres.

The region is underlain mainly by rocks of the Paleozoic to Tertiary Coast Plutonic Complex. These predominantly crystalline rocks exhibit a variety of fabrics ranging from pre- to post-kinematic. Paragneisses of (?)Paleozoic age, younger deformed metasediments and volcanics related to the Stikinia Terrane are interspersed within the plutonic complex. The northeastern part of the Bella Coola map area is underlain primarily by mafic volcanic and sedimentary rocks of the Jurassic Hazelton Group. These rocks are variably deformed containing both northeast and northwest trending structures. Between the Hazelton Group of Stikinia to the east and the Coast Plutonic Complex with its deformed metasedimentary terrane to the west is a belt of dominantly mafic rocks, probably of volcanic origin which may be part of the Hazelton Group. The Bella Coola Chief showing is underlain by andesite which has been intruded by numerous biotite granite and quartz feldspar porphyry dikes. Shallowly dipping quartz veins cut the dikes and the andesitic rocks. Irregular and erratic chalcopryite and pyrite mineralization, with associated gold and silver, occurs within the biotite granite porphyry dikes. The quartz veins are commonly barren of

sulphides. A chip sample from the east wall of the #3 adit over 25 metres assayed 196.08 grams per tonne silver and 16.2 per cent copper (Assessment Report 14674).

Cominco trenched and drilled the property (under the name Torger Copper) in 1966. Work included drilling one hole for 107 metres and digging 6 trenches totalling 24 metres. Green Lake Resources optioned the claims in 1983 and staked the property as the MGS claim group; the Whiskey, Gin, Rye, Vodka, and Rum claims. They conducted geochemistry, geophysics and geological mapping in 1984, 1985, and 1986.

Bibliography

EMPR AR 1906-H251; 1908-J58; 1910-K83; 1922-N42; 1956-22; 1966-55
EMPR ASS RPT 13493, *14674, 15867
EMPR EXPL 1986-C324; 1987-C266
EMR MP CORPFILE (Silver Standard Mines Limited)
GSC MAP 1327A; 1424A
GSC MEM 372, p. 98

Database last posted: September 27, 2001

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D. TECHNICAL REPORT



Ministry of Energy and Mines
Energy and Minerals Division

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, page 6.

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LOCATION/COMMODITIES

Project Area (as listed in Part A) Thorson + vicinity MINFILE No. if applicable _____

Location of Project Area NTS _____ Lat _____ Long _____

Description of Location and Access Valley runs S about 9 km east of the head of North Bentinck Arm. Access by road, boat or helicopter.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Pete Nygaard, Val Nygaard, Pet Gokhjel, Les Carlson, John Webster
All have an interest in rocks

Main Commodities Searched For Gold, silver

Known Mineral Occurrences in Project Area None

WORK PERFORMED

1. Conventional Prospecting (area) See attached notes
2. Geological Mapping (hectares/scale) Nil
3. Geochemical (type and no. of samples) Nil
4. Geophysical (type and line km) Nil
5. Physical Work (type and amount) Nil
6. Drilling (no. holes, size, depth in m, total m) Nil
7. Other (specify) _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
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Name Dan Epp Reference Number 917

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

Thorsen Creek + Vicinity

2. PROGRAM OBJECTIVE [Include original exploration target.]

Looking for gold or any mineral worth mining

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

See attached notes and maps

D. TECHNICAL REPORT - THORSEN CREEK AND AREA

May 22: E.Thorsen - drove and walked 6 km to a small side creek of Thorsen. Found old pyritized quartz in the creek bed. Followed creek uphill for 1640 ft / 500 m el but did not find any more. There is a contact above between quartz diorite, greenstone and quartz monzonite high above at 5000 ft /1524 m el. I took enough for one sample, #7. Assay results poor. Field time: 6 hrs., 39 rtn kms.

June 12: E Thorsen - Went to check out the source of the the specimens I found on May 22. I climbed the creek to 2600 ft (792 m) el. The creek forks off twice up there so I checked both but found nothing of interest. Rocks in the area were a mixture of slate, granite, gneissic types but no quartz. It seems to be confined to a 100 ft, 30 m stretch where the creek crosses the deactivated road. Field time 6 hrs., 39 rtn kms.

June 15: E.Thorsen - prospected my way south from the sample #7 site for 3.5 hours and came to a big tributary at the 1500 ft (457 m) el level, it was a deep gorge. There was a gossan on the S side, tilted slate beds, granite boulders with quartz veins. Way above me in some cliffs were more gossans. I packed out 20 pounds of samples for assay, samples #8 to #12. The assays were not all that good. The best result was Ni at 149 ppm. Field time: 8 hrs., 39 rtn kms.

June 27: E Thorsen - Went up Thorsen again hoping to get to the creek past the one I checked June 15. Alas, when I got to the creek I could not cross as it was a raging torrent. So I climbed up the bank to 2000 ft (609 m)el and could see gossans in the south wall of the gorge and in a cliff above. The creek comes from a contact area of foliated chloritized quartz diorite, andesitic dikes, chlorite schist, greenstone and quartz monzonite. It looks promising but I doubt there is much there, based on my assays from the June 15 trip. Field time: 6 hrs., 39 rtn km.

July 18: Thorsen / Snooka - Went up Thorsen 5 km on the old road checking a lot of the many creeks. The brush is quite profuse so the creeks can only be found by listening for the sound of rushing water. There were a variety of rocks such as slate, gneiss, granite, basalt and other layered types but nothing that looked promising. Next I checked out lower Snooka Creek, a small stream just east of Thorsen. A contact zone between-quartz monzonite, foliated chloritized quartz diorite, follows Snooka Creek. I found sample # 19, a pyritized rock on the west bank of Snooka. Assay results for it were not spectacular. Field time 7 hrs., 51 rtn kms.

Aug 8,9: Thorsen Creek - Was told there was a claim below the canyon. I could find no record of it so I spent two 4 hour days looking for it. I found an old claim post and a little further up a diorite outcrop with a 2 metre wide quartz dike therein. I poked around and found some samples but they had only a little pyrite. When the water drops I can get further up into the canyon for a better look-see. Field time: 8 hrs., 42 rtn kms.

Sept 9: Thorsen /Snootli - Flew up Thorsen with Pete N, Val N, Pete S and Les C, intending to prospect the head of Thorsen. From the air the area looked devoid of minerals so we continued east through a high pass into the Snootli Pass where we knew there were gossans. This was the area Noranda staked in 1980 and claims were active until 1990. The Minifile# is 093D 022. One of their grab samples assayed out to Au-1.1 gr per tonne, 638 gr Ag, .43 % Cu. This was the south zone. This is where we were. We could not get to the north zone. Norandas north zone samples assayed higher than the south zone ones. My south zone samples were taken from the slides of andesite, granite, some quartz and were not too good with the best showing of 1157 ppm for Cu. Field time: 8.5 hrs., 25 rtn kms.

Sept 16: Thorsen west fork - flew into the area with 2 prospector types, Les Carlson and John Webster. We landed at 5200 ft / 1585 m el between the headwaters of Clayton Falls Creek, Brynildsen Creek and Thorsen West Fork. It looked encouraging, lots of granite, basalt, hornblende, biotite, quartz diorite, chlorite, quartz veins and a few gossans. We were near a contact between EKQD and PJV. We climbed to 6000 ft / 1829 m el on Mt Fougner and did a thorough job of prospecting the area. But although it looked good there was nothing worth taking out for assay. We could not get more heli time due to overuse of the A-Star. Field time: 6 hrs., 30rtn kms.

Sept 26: Snooka Lakes - Flew in there with Bob Lenci. We landed above and on the east side of the 2nd of 3 lakes at 5800 ft / 1768 m el. We were in a pass leading to Snootli Valley. We made it in just ahead of the fog which hung over the lower lake until noon. We walked E thru the pass checking out the granitic boulders, came back and climbed up to where we look down on #3 lake then went down to it, prospecting along the way. From the SW side of # 3 lake we worked criss-crossed our way down to the east side of lake #1 at 4900 ft / 1493 m el. We examined a lot of rock but found only a little pyrite in a qtz stringer in one of the granite boulders. There were few gossans, dikes or anything promising. I had thought the ore I found at the bottom on July 18 might have come from the top. Rock types were mostly granitic, some had biotite, some hornblende, some muscovite. Never saw the diorite noted on my geological map. Field time: 6 hrs., 25 rtn kms.

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, page 6.



Ministry of Energy and Mines
Energy and Minerals Division

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confidential for one year and is subject to the provisions of the Freedom of Information Act.

Name Dan Epp Reference Number P 17

LOCATION/COMMODITIES

Project Area (as listed in Part A) Nusatsum + vicinity MINFILE No. if applicable _____

Location of Project Area NTS _____ Lat _____ Long _____

Description of Location and Access Valley runs S about 22 km E of North Broughton Arm. Access by road, foot, helicopter

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Bob Lenci - interest in rocks - has a FMC

Main Commodities Searched For Gold Silver

Known Mineral Occurrences in Project Area None

WORK PERFORMED

1. Conventional Prospecting (area) see attached notes
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) _____
4. Geophysical (type and line km) _____
5. Physical Work (type and amount) _____
6. Drilling (no. holes, size, depth in m, total m) _____
7. Other (specify) _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

Name Dan Epp Reference Number 917

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

About 22 KM E of Bella Coola Harbor

2. PROGRAM OBJECTIVE [Include original exploration target.]

Looking for gold, silver or any minable minerals

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

See attached notes + maps

D. TECHNICAL REPORT - NUSATSUM VALLEY AND AREA

June 8: E and W Nusatsum valley - spent the day checking out different sites. First I headed up the west fork but the thick brush and abundant bear sign deterred me. At 22 km I found some samples in a quartz vein through the country rock. Drove up to 36 km and saw gossans across the raging river. Need to return when it drops. On the way down hiked some spur roads at 14 km checking out the visible outcrops. Saw a sow grizzly and her big cub, feeding on vegetation 100 m. across the slash. I moved on. Field: 7 hrs., 62 rtn kms.

July 2: E+W Nusatsum - Walked old spur roads at km 3 and km 15. Both spur roads end at 2000 ft / 610 m. el. There were granitic rocks with pyrite on the surface at the 1st site. The road at 15 km has 3 forks, I checked them all. Nothing worth sampling. Field time: 6.5 hrs., 72 rtn kms.

July 8: E Nusatsum - Parked truck at Odegaard Falls trailhead. el 2700 ft / 823 m. el and walked up through a pass to Odegaard meadow which is at 3900 ft / 1189 m. el and is 2 miles / 3 km long. There is a lake at the south end of it. A branch of the Nusatsum runs along the east side. Also on the east side of the meadow is a contact between andesitic lava, green stone, chlorite schist and andesitic dikes. I wanted to go there but the river was too high so I had to content myself with looking at rocks in the pass and along the west edge of the meadow, nothing of interest except for some barren white quartz. On the way down I saw several big talus piles on the valley floor below me which looked interesting as they were on a contact zone. Field time: 9 hrs, 67 rtn kms.

July 10: E Nusatsum - Went to check out the talus piles I'd seen on July 8. They were on a contact zone between 3 rock types- granodiorite, andesite + greenstone, chlorite schist as well as numerous quartz stringers and seams. It was raining, I got soaked. There were about 5 talus areas- about 5 acres, 2 ha total. I criss-crossed three of the piles and found sample #14, which had a little Mo, Cr, Zn, Ni, V. I also found epidote crystals. I don't think there was enough in the assay to warrant scaling the bluffs to find the source. Field time: 6 hrs., 67 rtn kms.

July 12: E Nusatsum - Went back to check the last talus piles. Found nil so drove down to hiway 20, crossed the Nusatsum bridge and went up the road on the E side of Nusatsum Valley. Checked all the little creeks along the old road that goes up the E side as there are extensive gossan areas high above on Mt Nusatsum. But I found nothing of interest. Field time: 8 hrs., 90 rtn kms.

July 16: E Nusatsum - Drove up about 3 km on an old road on E side. There is a spur road there which is deactivated on the top half and overgrown on the bottom half. I went to the top, 2250 ft / 686 m. el, prospecting on the way. In the many cut banks there was slate, greenstone, chlorite schist, andesite and granite. I got some samples along the top switchback, #15 to #18. I found them in outcrops along the deactivated

portion. The samples had a little Cu, Zn, Co, V. This is area that is also beneath the huge gossans mentioned in the July 12 notes. Field time: 7 hrs., 29 rtn kms.

Sept 7: W Nusatsum - At about 20 km I spent some time checking out the talus along the road and found sample #31. Quite a few of the outcrops and talus slopes along there are rust colored. The sample looked good, was heavy but it didn't have much in it, a little Ni, Co, Mn. Field time: 5 hrs., 25 rtn kms.

Sept 10: E Nusatsum: Flew into the S end of Odegaard meadows with Bob Lenci and landed at 5000 ft/ 1524 m. el on a ridge near a glacier, on the west side of the creek that runs into a lake at the south end of the meadow. Much rusty rock in the area. There was andesite, chlorite, rotten slate, lot's of quartz seams, veins, dikes, sills. We prospected our way down the ridge to the 3900 ft / 1189 m. el. and crossed the little creek. We then worked our way up on the E side which seemed to have the best minerals but the assay showed little except that S# 37 had 559 ppm Sr, the highest reading for all my 2001 samples. There appeared to be big quartz dikes in a cliff under the big glacier to our south so perhaps that area could be checked on future trips. This glacier had recently covered the area we prospected. I think we were the first to prospect the site since it redceded. Field time: 9.5 hrs., 25 rtn kms.

Sept 14: W+E Nusatsum - Drove to the pass which goes into the Noeick Valley and found many granite boulders with some fine grained greenish gray andesite on the E side of the road. On the W side there was more of the same but many had mafic dikes. One broken boulder had a drusy quartz face. I crisscrossed over the slides for 2 hrs but found nothing. On the way back I went up a spur road around 21 km+- and found sample #38 which had 288 ppm Ba. Then, at 12 km+- I stopped to check for float in a side creek and found a 1991 silt sample. I also found sample # 39 there which had 142 ppm Sr, 162 ppm V and 594 ppm Ba. Field time: 7 hrs, 82 rtn kms.

Nov 23: West Fork Nusatsum - With Bob Lenci I flew up this big tributary valley of the Nusatsum River, which has been partially logged out, to a "Y" near its headwaters and turned right, or south, into a huge glacier and landed near the S. edge of it. It was cool, around 0 degrees but the sun appeared after a while and warmed us. The glacier is in a big cirque - like bowl. There have been stories of gold being found on the west bank of the west fork so we were interested in seeing what we could find. Mt Saugstad and Bastille Mt loomed above us. We walked along the glaciers E + W edge, spread out, thoroughly checking the talus which presumably came from the bluffs above. We found diorite, gneissic rocks, hornblende, quartz and layered rocks. The OLY claim, Minifile #093D022 was to the west near the head of the Smitley River. We were in a PJV area. I never saw any chlorite but did find gabbro and big hornblende boulders, light colored dikes, biotite quartz. We found some ore in rusty quartz rocks mostly near the east end of the glacier. Field time: 6 hrs, 25 rtn kms.

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Capsule Geology and Bibliography

Previous Hit

093D 022

Name	SMITLEY-OLY	Mining Division	Skeena
Status	Showing	NTS	093D02E NAD 27
Latitude Longitude	<u>52 14 11 N</u> <u>126 31 34 W</u>	UTM	09 5790000 668937
Commodities	Gold Silver Copper Molybdenum	Deposit Type	I06 : Cu-Ag quartz veins.
Tectonic Belt	Coast Crystalline	Terranes	Sitkine. Plutonic Rocks.

Capsule Geology

The Smitley-Oly is a chalcopyrite-bornite-tetrahedrite bearing quartz vein and stockwork showing at 1525 metres elevation near Mount Saugstad, about 15 kilometres east of South Bentinck Arm. The oldest rock unit in the area is a Mesozoic (probably Triassic to Jurassic) assemblage of greenstone and chlorite schist, possibly of the Hazelton Group, with a general northwest strike and steep to vertical northeasterly dips. Also represented, in two small areas, are lower to middle Jurassic Hazelton Group slate, argillite, and conglomerate. These rocks are intruded by a 4 by 5 kilometre triangular granodiorite stock of late Cretaceous or Tertiary age. Mineralization appears to be associated with its contact zones and those of small satellite plugs.

Noranda staked the area as the Snootli and Smitley 1, 2, 3 claims in 1980. It was staked as the Patch Group for Queenstake Resources in 1982, and restaked in 1984 as the Aleeta 1-4 (including the Bas and Nus claims). Work that year identified two zones of interest. The South Zone is a system of subparallel quartz veins, from a few centimetres to several metres in width, about 4 kilometres south of Mount Saugstad summit. The zone appears to lie along the southern contact of the Tertiary granodiorite stock. The major vein strikes 153, and dips 25-30 degrees south, contains pyrite and chalcopyrite, and is exposed for a strike length of 1.5 kilometres. A grab sample from the vein assayed 6.24 grams per tonne gold, 58.97 grams per tonne silver, and 3.79 per cent copper. The North Zone is a large gossan extending southeast from the head of Snootli Creek valley across the summit of Mount Saugstad for a distance of 9 kilometres. A grab sample assayed 1.13 grams per tonne gold, 6.86 grams per tonne silver, and 0.43 per cent copper. The Oly 1-4 claims were staked in 1987 by United Pacific Gold, Ltd. to cover mineralization associated with the intrusive contacts of Tertiary granitoids. In 1988 United Pacific conducted geological mapping and rock sampling.

The claims were forfeited in 1990.

Bibliography

EM FIELDWORK 1999 (in preparation)
EMPR ASS RPT #14278, 18006
EMPR PF (United Pacific Gold Limited, 1988 in 093M 027)
GSC MAP 9-1966; 1327A
GSC MEM 372

Database last posted: March 27, 2000

Go to: [Main Search Menu](#); [MINFILE Name/No. Search](#); [Commodity/Status/NTS Search](#); [Deposit Type Search](#); [Tectonic Belt/Terrane/Latitude/Longitude Search](#)

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, page 6.

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confidential for one year and is subject to the provisions of the Freedom of Information Act.

Name Dan Epp Reference Number P 17

LOCATION/COMMODITIES

Project Area (as listed in Part A) ~~area~~ other areas MINFILE No. if applicable _____

Location of Project Area NTS _____ Lat _____ Long _____

Description of Location and Access Mollies Canyon is S of the Glacier View Talcheta is the long valley that forms the Bella Coola River with the Atholite. Access by truck + foot

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Nil for those 2 trips

Main Commodities Searched For Gold, silver

Known Mineral Occurrences in Project Area None

WORK PERFORMED

1. Conventional Prospecting (area) Gyllenpetz, Mollies Canyon
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) _____
4. Geophysical (type and line km) _____
5. Physical Work (type and amount) _____
6. Drilling (no. holes, size, depth in m, total m) _____
7. Other (specify) _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- Supporting data must be submitted with the following **TECHNICAL REPORT** or any report accepted in lieu of.

Information on this form is confidential for one year from the date of receipt subject to the provisions of the Freedom of Information Act.

Name _____ Reference Number _____

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

Within Bella Coola valley and Talchako Valley

2. PROGRAM OBJECTIVE [Include original exploration target.]

Looking for gold or any mineral worth mining

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

See attached notes and maps

D. TECHNICAL REPORT - OTHER AREAS IN BELLA COOLA MAP 093D

June 25: Talchako - Drove to upper end of this long, logged out valley and found sample #13 about 1 km above the Gyllenspetz Creek bridge. There are quite a few stained areas there. Host rock appears to be granodiorite with some andesite or basalt dikes therein. There were no quartz seams in the granite. There is massive pyritized rock in some of the outcrops above the road and in the talus above and below the road. Sample #13 had some Cu and also higher than usual values of W, 263 ppm. On one of the maps Bob brought me from Vancouver I saw this area was staked in 1992, and forfeited 1993. It is on MTR map 093D01E, tenure #312267. I saw no claim posts the day I was up there but perhaps the logging destroyed them. On the way back I stopped and checked out the Nordschow Creek area, a logged out tributary of the Talchako. Found some pyritized granodiorite in an outcrop, it was only on the surface so wasn't worth sending in for analysis. Field time: 7 hrs, 137 rtn kms.

Aug 27: Mollies Canyon is actually on the north side of Mt Nusat sum. It is directly S of the Glacier View Motel. I had been up there 10 years ago on an old logging road, now it is private property with "No Trespassing" signs posted. So I went up the highway to an old dry creek bed E of the property and used that to get into the area. Not sure how far the private property extends E and S. Once up there one can find lots of pyritized rock and there are gossans above. I got one sample, #29. The ore is heavy but the assays showed little value, mostly Fe. Field time: 5 hrs, 34 rtn kms.

GEOCHEMICAL ANALYSIS CERTIFICATE

Epp, Dan File # A101608

Box 126, Hagensborg BC V0T 1H0 Submitted by: Dan Epp

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
1	4	1957	7	58	1.6	37	20	606	3.55	2	<8	<2	<2	45	.6	<3	<3	73	1.70	.151	4	36	2.02	32	.17	<3	1.86	.08	.08	2
2	5	62	16	90	<.3	25	15	1195	3.58	63	<8	<2	<2	272	1.0	<3	<3	13	6.28	.088	4	14	1.59	45	.01	<3	1.39	.01	.31	2
3	10	5170	12	59	6.1	39	14	544	3.26	4	<8	<2	<2	59	1.5	<3	4	64	1.93	.150	4	36	1.75	40	.18	<3	1.71	.08	.10	3
4	17	2071	7	65	2.0	38	16	636	3.67	3	10	<2	<2	39	.8	3	4	71	1.47	.150	4	26	2.13	48	.17	<3	2.01	.07	.12	2
5	1	1233	8	51	.7	20	15	459	2.52	<2	<8	<2	<2	35	.2	<3	<3	52	.81	.103	6	44	1.36	37	.14	<3	1.37	.08	.11	2
6	7	61	7	57	<.3	40	13	1371	3.03	<2	<8	<2	<2	12	<.2	<3	<3	53	.45	.104	1	48	1.42	209	.19	<3	1.79	.05	1.13	4
7	10	11	4	7	<.3	4	<1	40	.59	<2	<8	<2	<2	1	<.2	<3	<3	3	.02	.004	<1	80	.01	4	<.01	<3	.07	.01	.04	4
RE 7	10	12	8	8	<.3	4	<1	38	.59	2	<8	<2	<2	1	<.2	<3	<3	3	.02	.004	<1	85	.01	4	<.01	<3	.07	.01	.04	4
STANDARD C3	26	66	34	173	6.0	38	11	742	3.47	59	16	<2	19	28	24.7	13	22	75	.56	.091	17	161	.61	147	.09	21	1.82	.04	.16	20
STANDARD G-2	2	5	7	45	<.3	9	4	533	2.15	<2	<8	<2	4	73	<.2	<3	<3	40	.67	.101	8	74	.63	229	.13	<3	.95	.08	.48	3

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 8 2001 DATE REPORT MAILED: June 15/01 SIGNED BY: C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

S-1-5: From 2nd slide 2 1/2 hrs upstream from the old claim post - Galloomt
S-6: Near dry wash before old claim post. Boulder on trail, ribbon on a fl. tree
S-7: Creek 5.5 km from Hiway up Thorsen



GEOCHEMICAL ANALYSIS CERTIFICATE

Epp, Dan File # A102119
Box 126, Hagensborg BC V0T 1H0 Submitted by: Dan Epp

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
8	4	208	4	46	.3	132	23	371	5.18	5	<8	<2	<2	40	1.1	<3	5	56	.87	.044	<1	41	.61	32	.21	3	.84	.07	.08	4
9	1	192	<3	20	.4	149	34	322	5.40	5	<8	<2	<2	40	1.1	<3	<3	17	.81	.036	<1	31	.34	35	.16	<3	1.01	.12	.12	2
10	3	6	<3	3	<.3	4	3	933	.53	<2	<8	<2	2	8	.4	<3	<3	4	.39	.157	4	36	.02	38	.01	<3	.37	.02	.23	2
11	4	93	<3	8	<.3	15	8	102	.78	5	<8	<2	<2	3	.3	<3	<3	10	.08	.005	<1	103	.10	7	.04	3	.14	.02	.01	5
12	1	75	<3	25	.3	64	19	240	2.45	<2	<8	<2	<2	35	.4	3	<3	53	.96	.079	1	136	1.01	141	.13	<3	1.22	.13	.43	<2
13	5	814	<3	21	.8	28	24	329	7.36	<2	<8	<2	<2	35	1.6	<3	4	56	.75	.049	1	58	.47	25	.14	4	1.07	.12	.19	258
RE 13	5	828	<3	21	.6	32	25	329	7.40	<2	<8	<2	<2	36	1.2	<3	<3	51	.76	.048	2	58	.47	27	.12	<3	1.07	.12	.19	263
STANDARD C3	29	64	34	178	6.0	35	12	794	3.29	55	24	<2	21	28	25.1	14	23	85	.55	.086	19	177	.61	147	.08	21	1.80	.04	.16	15
STANDARD G-2	1	3	3	47	<.3	8	4	583	2.10	<2	<8	<2	4	73	.3	<3	<3	43	.69	.095	8	84	.63	229	.14	5	.96	.07	.47	3

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO₃-H₂O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 12 2001 DATE REPORT MAILED: *July 23/01* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

S-8-12: Thorsen Creek area - next big creek past where I got S¹-7.
S-13: Talchato - about 1km past the Gyllenspetz bridge



GEOCHEMICAL ANALYSIS CERTIFICATE



Epp, Dan File # A102578

Box 126, Hagensborg BC V0T 1H0 Submitted by: Dan Epp

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
14	25	197	5	66	.6	58	23	409	6.57	5	<8	<2	<2	65	<2	<3	<3	73	1.11	.165	5	31	1.57	15	.14	5	2.65	.18	.03	2
15	<1	81	9	65	.3	6	22	694	4.88	<2	<8	<2	<2	24	<2	3	<3	146	.81	.139	3	12	2.15	155	.24	3	2.60	.08	.84	<2
16	3	193	8	53	<3	16	36	438	5.78	32	<8	<2	<2	16	<2	<3	<3	209	1.28	.164	5	8	1.19	8	.28	<3	1.79	.14	.04	2
17	2	68	10	58	<3	54	25	715	4.66	3	<8	<2	<2	24	<2	<3	<3	97	.56	.135	2	88	2.07	42	.23	<3	2.08	.05	.57	2
18	6	46	3	10	<3	44	103	123	15.06	7	<8	<2	<2	6	<2	<3	4	15	.08	.034	2	14	.19	13	.05	3	.40	.06	.05	4
19	2	22	5	38	<3	8	10	388	2.33	<2	<8	<2	<2	42	<2	<3	<3	70	.76	.045	1	8	.75	149	.16	<3	1.12	.09	.33	2
20	161	1846	6	36	9.2	20	2	239	6.66	<2	<8	<2	<2	3	<2	<3	<3	397	.02	.004	<1	27	.02	10	.07	3	.07	.01	.03	7
21	57	6586	<3	58	10.2	9	7	50	2.13	2	<8	<2	<2	1	1.9	<3	<3	46	.01	.003	<1	26	.01	5	.03	<3	.03	.01	.01	3
22	60	7988	4	91	22.9	17	5	66	3.59	2	<8	<2	<2	6	2.4	<3	<3	60	.01	.003	<1	28	.04	49	.01	<3	.13	.02	.07	9
23	32	24912	7	279	55.2	17	17	301	8.79	<2	<8	<2	<2	20	4.7	<3	<3	238	.14	.012	3	24	.32	33	.10	3	.58	.02	.22	<2
24	3	68452	17	440	29.6	27	37	549	3.09	<2	<8	<2	<2	160	9.2	<3	<3	11	3.50	.001	43	9	.14	21	.01	<3	3.93	.01	.18	<2
25	285	1045	5	120	10.9	22	12	271	13.97	3	<8	<2	<2	6	1.1	<3	5	636	.05	.002	1	10	.05	57	.20	3	.16	.01	.05	<2
RE 25	288	1053	12	122	11.1	22	13	279	14.41	<2	<8	<2	<2	6	.6	<3	<3	666	.05	.002	1	16	.05	56	.20	<3	.16	.01	.05	2
STANDARD C3	27	67	36	178	6.0	43	11	834	3.40	60	25	<2	21	29	25.5	13	26	82	.57	.087	19	172	.63	152	.10	16	1.89	.04	.16	18
STANDARD G-2	1	5	4	45	<3	9	4	571	2.03	<2	<8	<2	4	72	<2	<3	<3	40	.65	.094	8	79	.61	222	.15	<3	.92	.08	.46	4

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO₃-H₂O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 8 2001 DATE REPORT MAILED: Aug 20/01 SIGNED BY: C. Toy, C. Leong, J. Wang; CERTIFIED B.C. ASSAYERS

ASSAY RECOMMENDED

for Cu > 1% S-14 - Talus area below Dogwood Falls - Nugatsum
Ag > 30ppm S-15-18 - Top spur road of an old overgrown road
4 KM up E. Nugatsum

S-19 - lower Shooka Creek by foot bridge - Thorson Creek Area

S-20-21 - from gorge my I.P. for the "Milica" claim is on } Salloant
S-22-25 - reassessment samples from my "Milica" claim }

GEOCHEMICAL ANALYSIS CERTIFICATE

Epp, Dan File # A103150

Box 126, Hagensborg BC V0T 1H0 Submitted by: Dan Epp

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
S1	1	4	3	2	<.3	<1	<1	4	.03	<2	<8	<2	<2	4	.2	<3	<3	<1	.21	.001	<1	4	<.01	3	<.01	<3	<.01	.58	.01	<2
26	1	1608	6	65	.7	42	124	764	6.02	<2	<8	<2	<2	108	.3	<3	<3	170	2.53	.201	1	34	2.69	27	.19	<3	3.94	.28	.06	2
27	22	172	6	49	45.0	18	24	755	2.59	2	<8	3	<2	13	.2	<3	51	28	.25	.017	<1	60	1.32	16	.03	<3	1.36	.02	.04	2
28	6	156	3	56	.7	30	23	483	5.14	<2	<8	<2	<2	40	.2	<3	<3	88	.89	.057	2	55	.82	56	.20	<3	1.93	.21	.58	2
29	11	18	<3	47	<.3	23	94	687	11.23	4	<8	<2	<2	13	.2	<3	<3	60	.35	.059	1	47	1.18	43	.17	<3	1.37	.06	.27	2
30	380	791	<3	44	.7	56	61	724	13.85	<2	<8	<2	<2	37	.3	<3	<3	23	.25	.010	<1	75	1.37	24	.03	<3	1.65	.03	.06	2
RE 30	376	786	<3	43	.7	56	60	715	13.77	<2	<8	<2	<2	36	.3	<3	<3	22	.25	.009	<1	76	1.35	24	.03	<3	1.63	.03	.06	2
31	9	76	8	33	<.3	71	19	1051	5.26	5	<8	<2	<2	36	.2	<3	<3	37	4.53	.076	<1	50	.67	56	.15	<3	.96	.05	.53	<2
32	4	1157	9	48	.4	109	75	310	6.26	2	<8	<2	<2	39	.4	<3	<3	27	.91	.051	<1	33	.74	59	.13	<3	1.50	.14	.12	<2
33	3	97	4	47	<.3	9	18	417	3.77	2	<8	<2	2	17	<.2	<3	<3	65	.41	.048	1	37	1.04	153	.14	<3	1.37	.10	.62	<2
34	12	120	6	11	.8	50	38	139	3.69	3	8	<2	<2	42	.2	<3	<3	27	.93	.020	<1	44	.06	39	.22	<3	.61	.05	.03	<2
35	12	574	<3	20	.6	99	146	137	7.50	5	<8	<2	<2	36	.6	<3	4	20	.98	.032	<1	34	.04	18	.13	<3	.60	.03	.01	<2
36	3	78	54	50	<.3	52	24	885	3.09	37	9	<2	<2	559	.4	<3	<3	30	5.37	.064	2	85	.68	25	.15	<3	.98	.03	.06	<2
37	4	143	19	93	<.3	44	32	647	5.15	30	8	<2	<2	108	.3	<3	<3	11	5.27	.054	2	59	.39	23	.06	<3	.79	.02	.09	2
STANDARD DS3	11	136	35	164	<.3	38	11	816	3.29	34	<8	<2	4	33	6.4	5	6	80	.55	.090	20	186	.61	142	.09	<3	1.76	.04	.16	6

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO₃-H₂O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
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ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 14 2001 DATE REPORT MAILED: Sept 23/01 SIGNED BY: C. Leong, D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

S-26+27: 5000' el level in upper Mill Creek - Salloamt
S-28: From old deactivated road in lower Salloamt.
S-29: From Mollies Canyon S of Glacier View Motor
S-30: Branch 7 on deactivated road near Camp II Base
S-31: 20 km on Nuggetum mainline
S-32-35: Shoutli Passgassum (South zone)

GEOCHEMICAL ANALYSIS CERTIFICATE

Epp, Dan File # A103691

Box 126, Hagensborg BC V0T 1H0 Submitted by: Dan Epp

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
S1	1	<1	<3	2	<3	<1	<1	<2	.03	<2	<8	<2	<2	2	<2	<3	<3	<1	.07	<.001	<1	6	<.01	2	<.01	3	.01	.35	.01	<2
38	1	39	<3	57	<3	80	38	271	3.85	4	9	<2	<2	16	.4	5	<3	107	.68	.186	4	88	2.09	288	.16	<3	2.01	.09	1.03	<2
39	1	349	<3	48	<3	11	21	570	3.39	2	8	<2	2	142	.6	<3	<3	162	1.43	.008	1	35	1.30	594	.19	<3	3.34	.40	1.33	<2
40	4	287	385	58	6.3	14	59	603	3.11	14	<8	<2	2	82	.2	4	31	25	.94	.067	4	64	.74	67	.05	3	.98	.03	.30	<2
41	3	373	166	116	5.5	31	196	1136	6.29	27	<8	<2	2	54	1.9	6	5	27	.83	.076	4	63	.88	47	.04	<3	1.30	.03	.42	3
42	3	602	135	169	8.3	46	334	1748	11.00	37	12	<2	2	79	1.6	12	11	43	4.16	.046	4	44	1.19	26	.05	<3	1.81	.02	.28	2
43	12	5926	2583	519	10.9	23	35	1457	5.22	5	<8	<2	2	38	4.4	9	5	84	1.37	.064	6	64	1.88	29	.05	<3	2.26	.04	.15	<2
44	300	190	223	259	.5	14	16	308	2.34	11	<8	<2	<2	4	2.4	<3	<3	11	.04	.013	1	111	.03	26	.03	<3	.13	.02	.04	<2
RE 44	288	186	219	255	.5	14	16	311	2.33	13	<8	<2	<2	3	2.4	<3	<3	10	.03	.013	<1	107	.03	25	.02	<3	.12	.02	.04	<2
45	6	79	17	66	.4	32	12	339	6.32	13	<8	<2	3	31	<.2	6	<3	43	.64	.110	6	50	.55	58	.09	3	1.37	.09	.16	2
46	149	666	46	56	4.3	42	282	342	14.96	<2	9	<2	3	39	.6	<3	137	78	.64	.060	2	35	.67	27	.12	<3	1.20	.05	.13	<2
47	10	83	42	23	3.7	30	201	35	23.92	<2	<8	<2	2	32	.3	<3	190	6	.19	.005	1	103	.02	12	.01	3	.23	.01	.08	2
48	8	156	26	36	2.0	12	588	357	10.32	7	<8	<2	2	82	<.2	3	<3	32	.59	.062	3	34	.49	12	.11	<3	1.06	.02	.20	2
49	6	60	6	6	.9	8	185	92	10.30	4	<8	<2	2	21	<.2	6	3	18	.34	.014	2	55	.08	18	.14	<3	.39	.06	.19	4
50	7	26	6	10	.4	12	193	288	8.64	<2	<8	<2	<2	13	<.2	3	<3	45	.35	.034	<1	42	.24	17	.15	<3	.51	.06	.14	3
51	2	7	5	26	.4	26	35	404	6.10	<2	<8	<2	<2	22	<.2	<3	<3	42	.44	.039	2	80	.42	34	.17	<3	.76	.06	.12	3
52	11	250	<3	46	.3	38	89	784	8.86	3	9	<2	<2	30	<.2	5	24	132	.60	.059	1	62	1.35	15	.19	<3	1.59	.06	.06	2
STANDARD DS3	9	128	35	161	.3	34	14	855	3.31	30	<8	<2	4	29	5.9	4	5	81	.56	.097	18	184	.63	151	.09	3	1.78	.04	.18	3

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO₃-H₂O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
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ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 18 2001 DATE REPORT MAILED: Oct 25/01 SIGNED BY: C. LEONG D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

- S-38 - 21 Km - spur road on Nugatsum main line
S-39 - Silt Sample Creek about 12 km on Nugatsum main line
S-40-43 - North of old mine in Sallioant at 5100' el.
S-44 - lower West Sallioant - 6000' el -
S-45-47 - West Sallioant by glacier + lake north west of Sallioant Mine
S-48-52 - east fork of upper Sallioant

GEOCHEMICAL ANALYSIS CERTIFICATE

Epp, Dan File # A104191

Box 126, Hagensborg BC V0T 1H0 Submitted by: Dan Epp

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
SI	1	11	<3	4	<.3	3	1	12	.06	<2	<8	<2	<2	3	<.2	<3	<3	<1	.15	.001	<1	7	.02	9	<.01	<3	.01	.57	<.01	<2
53	18	2095	<3	80	4.3	10	19	305	4.85	<2	<8	<2	2	7	.5	<3	<3	197	.12	.035	2	74	.40	105	.09	<3	.53	.04	.45	<2
54	326	5649	248	277	28.2	12	10	319	3.78	<2	34	<2	2	11	7.4	<3	52	101	.24	.035	2	103	.47	50	.10	<3	.55	.05	.44	<2
55	587	8462	8	93	12.2	20	40	355	7.34	3	9	<2	<2	6	2.2	<3	21	72	.17	.039	2	78	.42	32	.08	<3	.86	.02	.18	<2
56	14	112	92	8	1.2	11	7	104	1.26	<2	<8	<2	2	12	<.2	<3	17	13	.22	.021	1	118	.17	10	.01	<3	.26	.03	.01	<2
RE 56	14	109	86	6	.9	10	7	94	1.25	<2	<8	<2	<2	12	<.2	<3	16	12	.21	.022	1	126	.16	9	.01	<3	.26	.02	.01	2
STANDARD DS3	10	126	41	160	<.3	40	11	782	3.22	32	9	<2	4	27	6.2	5	6	81	.54	.094	17	178	.59	146	.08	<3	1.73	.04	.16	3

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 29 2001 DATE REPORT MAILED: Dec 6/01 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

S 53 - 7th creek past the old C.P. in Salloomt
S 54-55 - 4th creek past old C.P. The 3rd creek is the old mine
where my "Miller" claim is. - Salloomt
S 56 - upper right fork of the West Fork of Mentum
on the north edge of a glacier



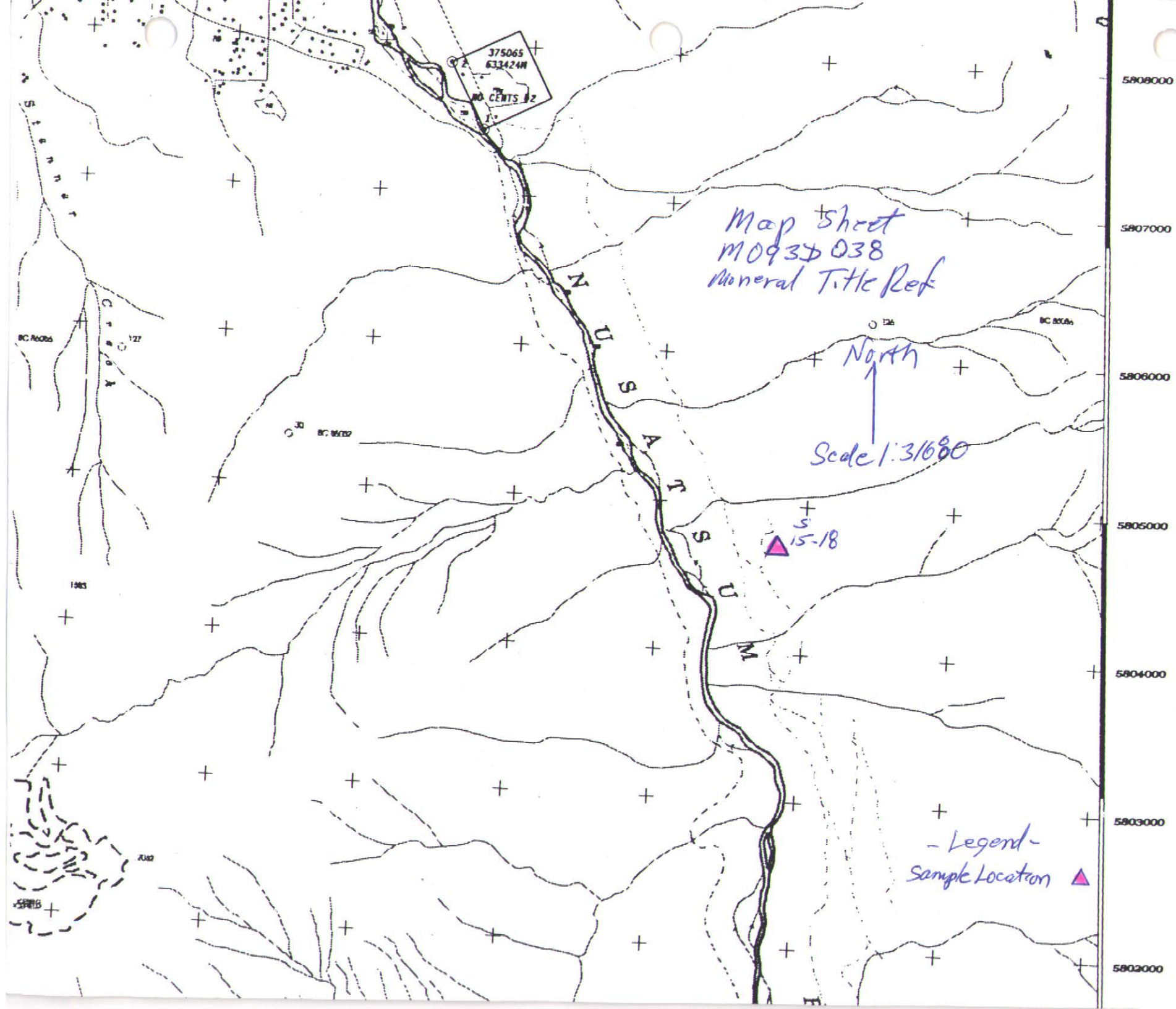
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Page 1

Map Sheet
M093D037
Mineral Title Ref.

North
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Scale 1:31680

Legend
Sample Location

- INDIAN (SEE CONDIT)
- SUBJECT RELEASE SECTION (SEE OR URA (SEE
- MINER
- MINERA
- MINING
- INDUST
- TITLE
- MINING
- INDUST
- CLAIM
- TENURE
- TAG NU
- CLAIM
- LEGAL
- WITNES
- TENURE
- VERIFI
- SURVEY
- GLOBAL
- CROWN
- F LOT
- REVERT
- Reverted
- BID LOT
- R.C.B.
- PLANS
- DRAINA
- COAST
- RIVER
- LAKE
- LAKE
- DAM
- DYKE
- SAND
- FLOOD
- SWAMP
- FALLS
- ICE
- RESERV
- RESERV
- CLIFF
- ESKER
- SLIDE
- LANDMA
- MINE
- PIER
- PIPELIN
- QUARRY
- TRANS
- TRANSF
- AIRFIEL
- CUTLIN
- RAIL LI
- RAIL LI
- ROAD
- ROAD
- ROAD
- BRIDGE
- CONTRIC
- HORIZO
- VERTIC
- MAJOR



Map Sheet
M093D047
Mineral Title Ref

North
↑

Scale 1:31680

- Legend -
Sample Location ▲

page 3

FOR
MILE
1770
MTN

Map Sheet
M 093 D 048
Mineral Title Reference
page 4

North

scale 1:31680

Legend
Sample Location ▲

S-28

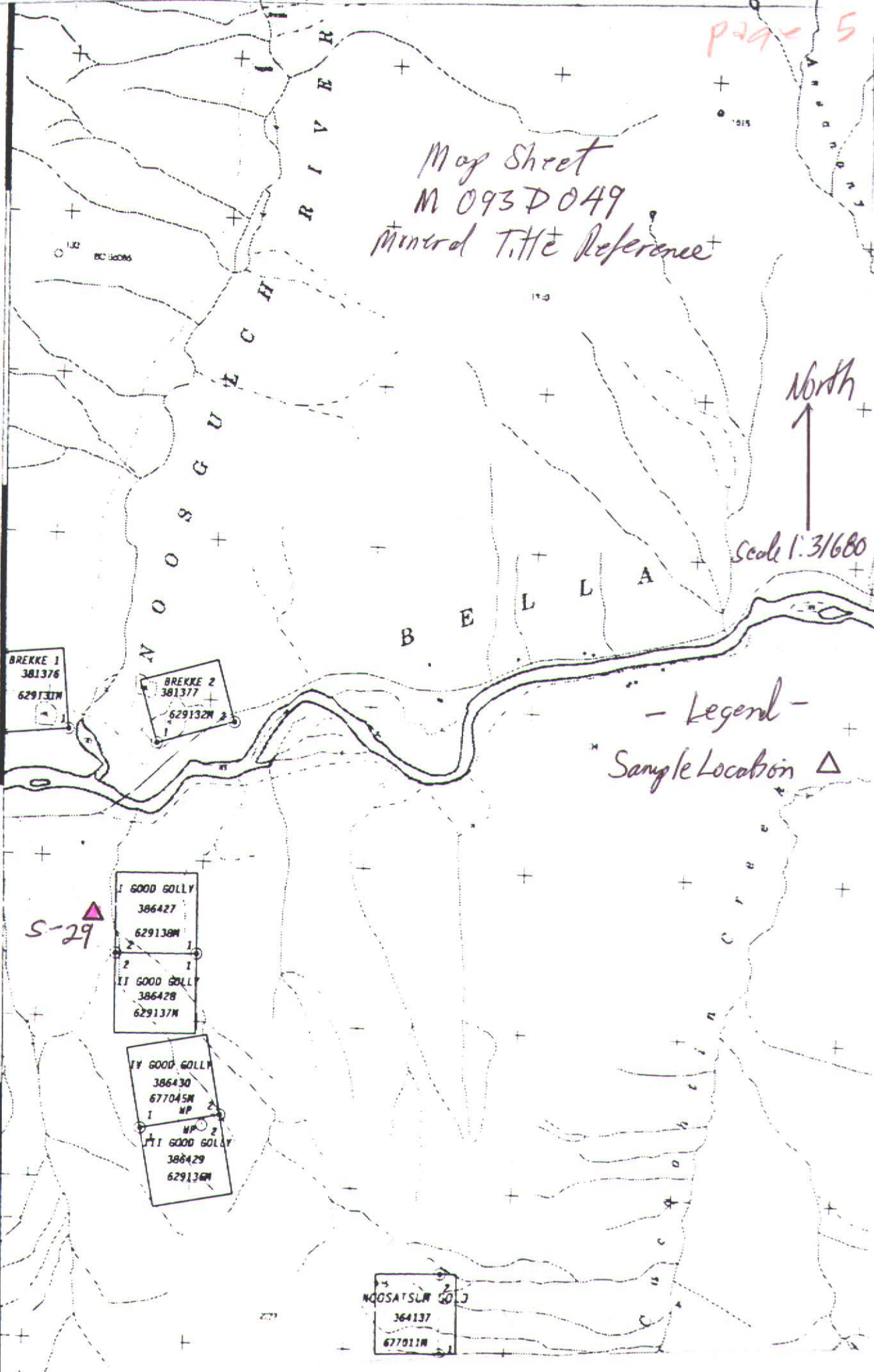
Map Sheet
M 093 D 049
Mineral Title Reference



Scale 1:31680

- Legend -
Sample Location Δ

5817000
5816000
5815000
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5811000
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BREKKE 1
381376
629131N

BREKKE 2
381377
629132N

I GOOD GOLLY
386427
629138N
II GOOD GOLLY
386428
629137N

IV GOOD GOLLY
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VI GOOD GOLLY
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NGOSATSUM
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677011N

S-29

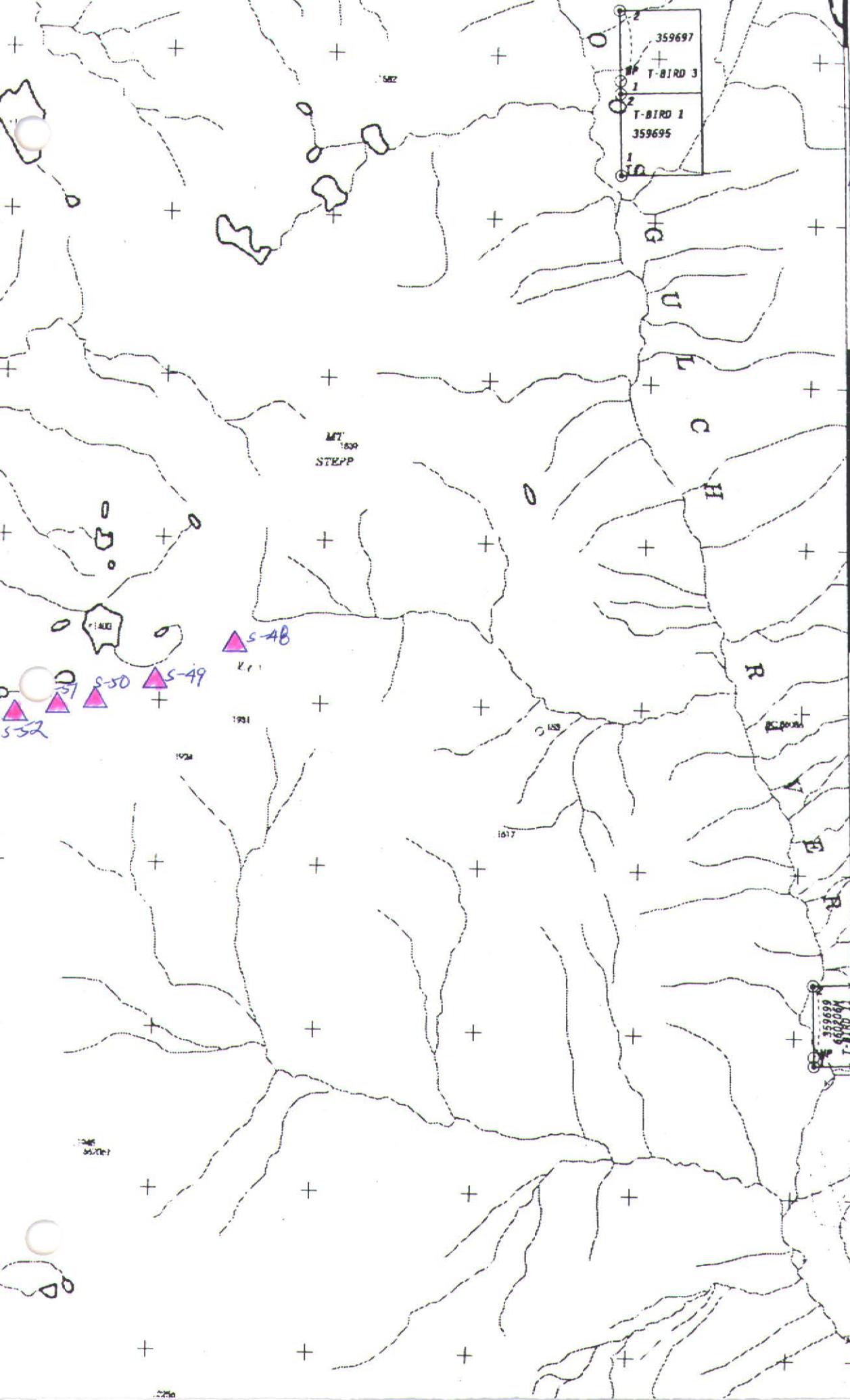
page 6

North

Scale 1:31680

Best Discovery

Legend
Sample Locations Δ



Page 7

5829000

Mapsheet
M093D058
Mineral Title Ref

5828000

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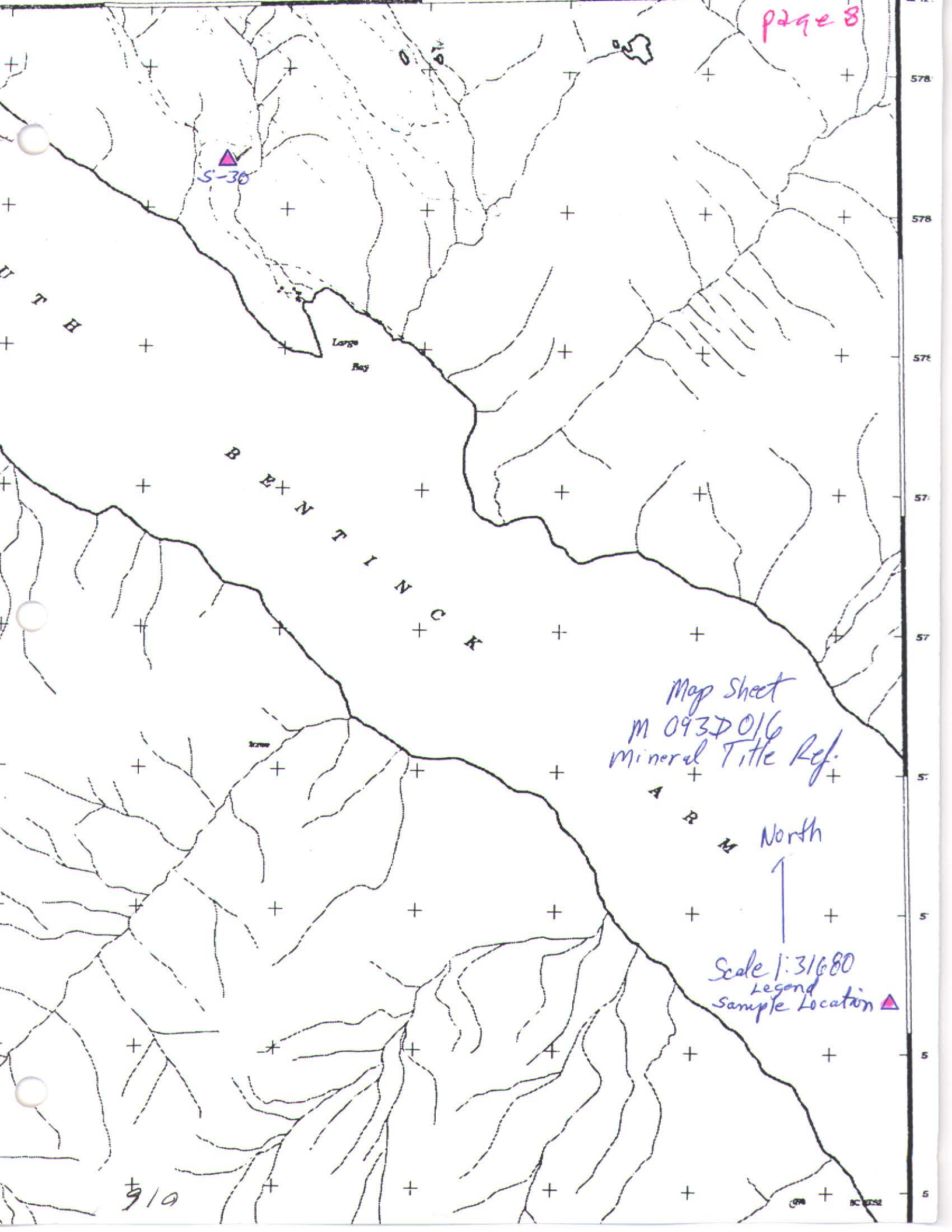
5821000

North

Scale 1:31680

Legend
Sample Locations Δ

- LAND
- PROV
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- CROW
- F LOT
- REVE
- Rever
- BID LC
- R.C.G.
- PLAN
- DRAIN
- COAS
- RIVER
- LAKE
- LAKE
- DAM
- DYKE
- SAND
- FLOC
- SWAN
- FALL
- ICE F
- RESE
- RESE
- CLIF
- ESRG
- SLID
- LAND
- MINE
- PIER
- PIPE
- QUA
- TRAI
- TRAN
- AIR
- CUT
- RAIL
- BAR



S-30

Large
Bay

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A

Map Sheet
M 093D016
Mineral Title Ref.

North

Scale 1:31680
Legend
Sample Location

9/10

Page 9

Map Sheet
M 093 D 028
Mineral Title Ref.

~~North~~

~~Scale 1:31680~~

Legend
Sample Location

5-56

IRONNICK

ACIER+

BASTID

EAST
+ SAUGSTAD +
GLACIER

GLUCOSE

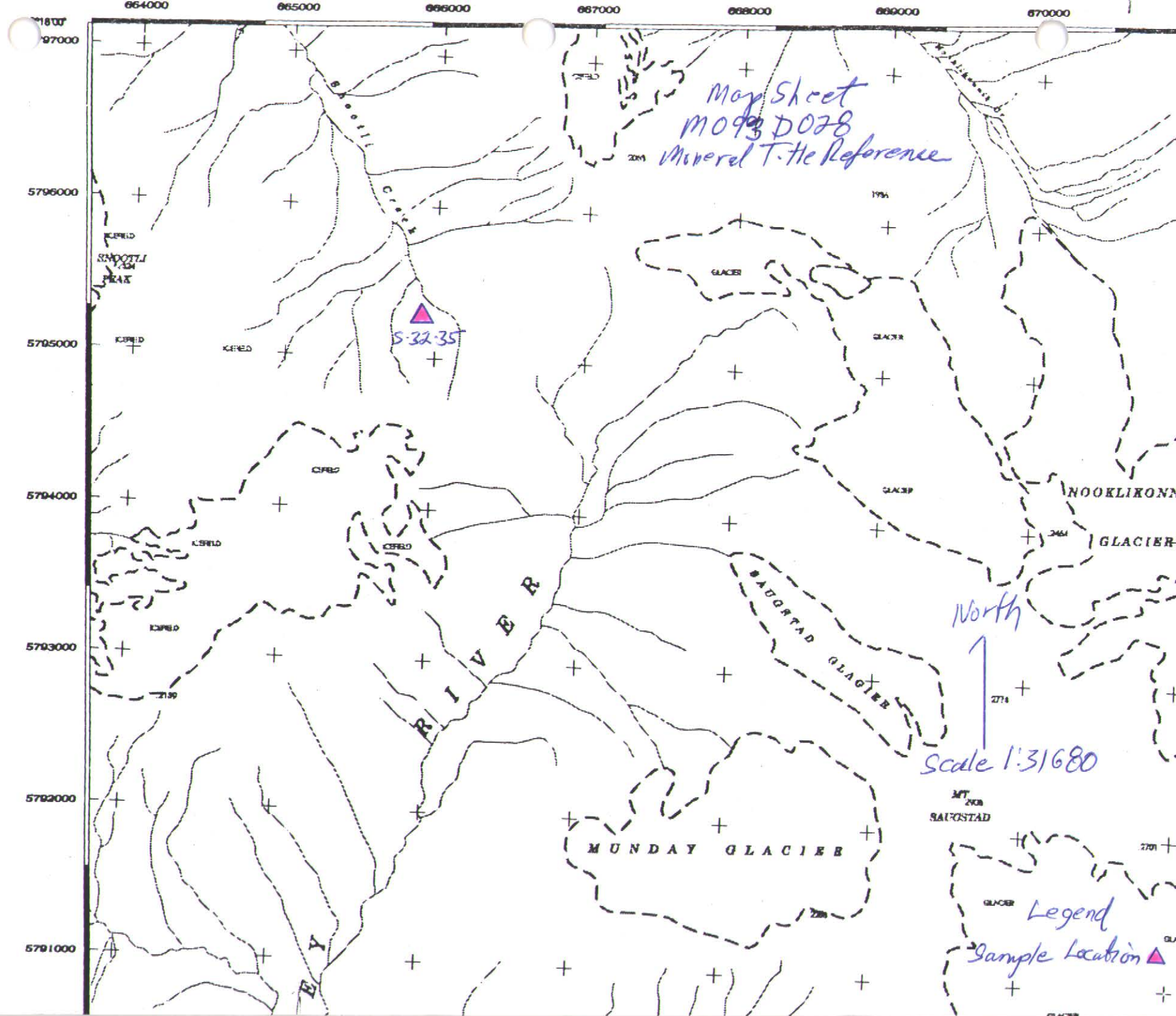
GLACIER

GUARANTY

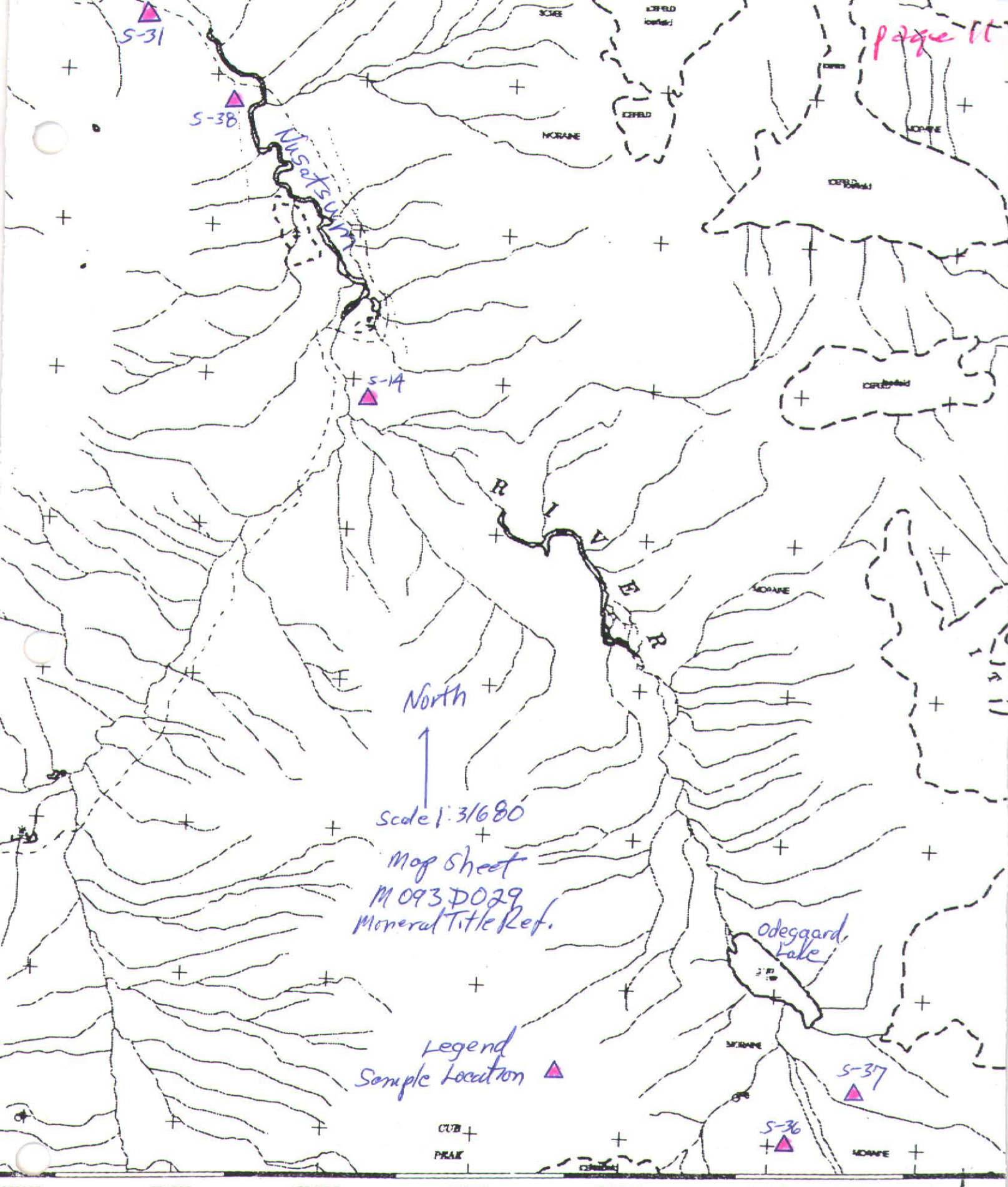
GLACIER

G. ACITI

GLACIER



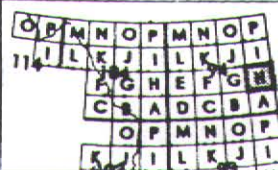
Page 10



COMMISSIONER OFFICES

COAST / LIARD
 302 885 Hornby Street
 Vancouver BC V6Z 2G8
 Public Query: (604) 680-2572
 FAX: (604) 630-2538
 Mining Division: AGin, Clinton,
 1 East 1 Street, Phoenix, New

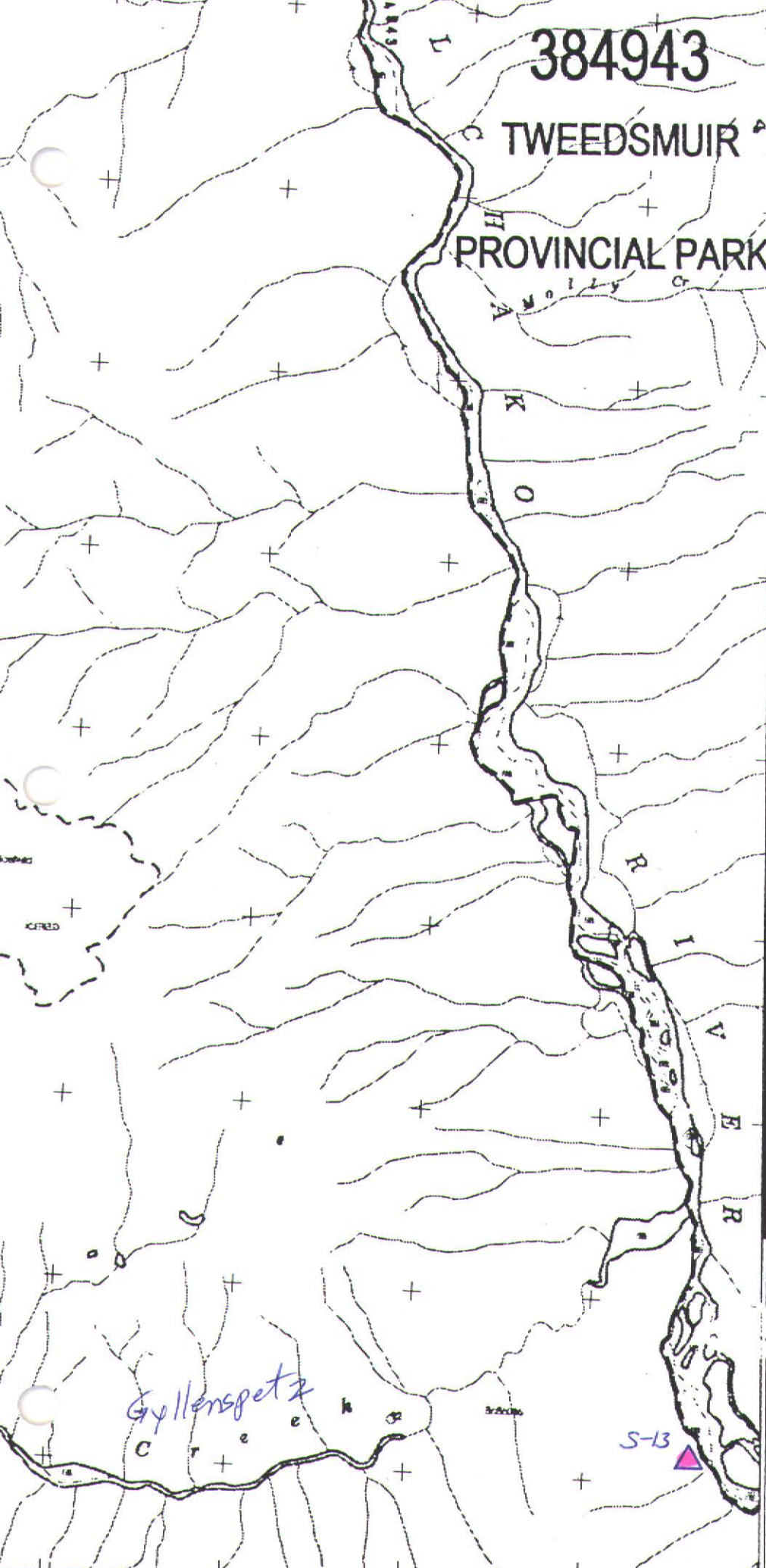
EAST KOOTENAY
 100 Oxbrook Street North
 Oxbrook BC V1C 8P9
 Public Query: (250) 428-1211
 FAX: (250) 428-1258
 Mining Division: Fort Steele
 and Golden



GUIDE TO THE NTS AND BCGS MAPPING SYSTEMS

091	092	093	094	095	096	097	098	099	100
081	13		14			15		16	090
084									080

BRITISH COLUMBIA
 GEOGRAPHIC SYSTEM
 (BCGS)



5796000 *pd9412*
030

5795000
Map Sheet
M093D030
Mineral Title Ref.

5794000
North
Scale 1:31680

5792000
Legend
Sample Location

5791000

5790000

5789000

5788000

52°12'0"

INDIAN RESERVE
(SEE NOTES 1)
CONDITIONAL AREA
SUBJECT TO CONDITION RESERVE,
RELEASE REQUIRED RESERVE,
SECTION 28 RECREATION AREA,
(SEE NOTES 2)
OR URANIUM / THORIUM REGULATION
(SEE NOTES 3)

MINERAL TENURES	
MINERAL CLAIM	———
MINING LEASE	———
INDUSTRIAL MINERAL TITLE	---
MINING LEASE	ML
INDUSTRIAL MINERAL	IM
CLAIM NAME	EXAMP
TENURE NUMBER	2345
TAG NUMBER	2437
CLAIM SIZE (UNITS)	4NX3
LEGAL POST	⊙
WITNESS POST	⊙
TENURE HOOK	┌
VERIFIED	VER
SURVEYED	SUR
GLOBAL POSITIONING SYSTEM	GPS
CROWN GRANTED 2 POST CLAIM	CG
F LOT (Real Estate Lot)	F
REVERTED C.G. 2 POST CLAIMS	
Reverted C.G. (Not Open for Staking)	RCG
BID LOT	BID
R.C.G. (Issued under a former Act)	FA

PLANIMETRIC LEGEND	
DRAINAGE AND RELATED FEATURES	
COASTLINE, DEFINITE	———
COASTLINE, INDEFINITE	---
RIVER / STREAM, DEFINITE	———
RIVER / STREAM, INDEFINITE	---
LAKE, DEFINITE	———
LAKE, INDEFINITE	---
DAM	———
DYKE	———
SAND / GRAVEL BAR	———
FLOODED LAND	———
SWAMP / MARSH	———
FALLS / RAPIDS	———
ICE FIELD / GLACIER	———
RESERVOIR, DEFINITE	———
RESERVOIR, INDEFINITE	---
CLIFF / SCARP	
ESKER	———
SLIDE	———
LANDMARK FEATURE	
MINE	———
PIER / WHARF	———
PIPELINE	———
QUARRY	———
TRANSMISSION LINE	———
TRANSPORTATION FEATURES	
AIRFIELD	———
OUTLINE / SEISMIC LINE	———
RAIL LINE	———
RAIL LINE (ABANDONED)	———
ROAD, SURFACE PAVED	———
ROAD, SURFACE LOOSE	———
ROAD, SURFACE ROUGH / TRAIL	———
BRIDGE	———
CONTROL DATA	
HORIZONTAL CONTROL POINT, MARKED	———
VERTICAL CONTROL POINT, MARKED	———
MAJOR CONTOUR	———
MINOR CONTOUR	———

Map Sheet
MO93D037

Mini Title Reference

Sheet 1:31680 + 0

LR.1

LR.1

LR.1

328392
MINERAL RESERVE
NO STAKING

329274
MINERAL RESERVE
NO STAKING

Map Sheet 037

North

