841175

June 8/81 Barb Claims M. Thicke.

The day was spent overseeing some of the geology of the Barb Claims - north of King Salmon Lk. Mapping was more of "look-see" & will begin in earnest June 9/81. Two samples (chips) were collected: 1 in the larger zone of alteration out of the trench, MTTI-20 & another in a small alteration zone N & W of 20 - MTTI-21. Altered rock is either volcanic or a quartz-feldspar porphyry; probably the latter. Some qz-fp-porphyry was seen by MTTI-21 but it was fresh & alteration may have come from a shear zone. Other rocks observed were andesites, shaley-argillites, & possibly siltstone. North of MTTI-21 a large, 2-3 feet long, fragment of massive magnetite was found. Looked sort of volcanic bomb-ish but possibly represents a distal section to a massive sulphide deposit. It was decided the property will be soil sampled of a grid in detail to pin down possible zoning & especially to define more possibly targets.

Samples MTTI-20 } chips
-21

Map to follow

June 9/81 Barb Claims M. Thiele.

Day was spent sampling, mapping & prospecting on Barb Claims. Sampling was of a detailed nature covering the main zone of alteration (where trench located). A 1300m baseline was put in E-W. 0+00 is ~ 60-70 m due NORTH of trench. Soil sample lines ~~were~~ will be run through the main zone of alteration & below at 50m spacings to 700m South. This will be carried out for 200m both east & west. The ~~the~~ baseline was sampled at 50m intervals in its entirety. The samplers were Doug M., Rob L. & John H. Mapping was started today & should be completed in a day or two, detailed sampling will likely conclude June 10/81.

{ Creek at 4+60S 0+00 bearing 110°
boog swamp from 4+70-80S 0+50E. }

June 10/81 Barb Claims M. Thicke.

Mapping continued, took 7 chip samples of various rock types. Probably one more day needed to finish off mapping. Found small lens of quartz-carb (MTT1-29) - ~ only different type found.

Detailed soil sampling concluded today from 200mE to 250mW. Only sample missing is 7+00S on B.L 2+00W. This probably concluded detailed work possibly need some sampling down the baseside (North) of the claim.

Chip Samples MTT 1-29

M. Thicke Barb Claims June 1981

S. Georgs and M. Thicke continued property work on the Barb Claims north of King Salmon Lake. Two intersecting drainages (in north part of claim), one flowing SE, the other EW, were prospected, sampled & mapped where possible. The purpose was to find further mineralization, alteration &/or breccia zones.

S. Georgs performed soil/silt sampling duties. Three silt samples were taken, in the two main streams just above the intersecting point & another slightly further west on a third intersecting stream (SGTI-127). Soil samples were taken at intervals of approximately 200m on the west side of the SE flowing stream & the north side of the EW stream. One soil sample (SGTI-125) was taken ~100m below the intersection of the streams.

Geology in the northern part of the traverse began mainly in limestones - marbled, sub-mineralized etc. probably SINWA. Near the junction of the two streams two small outcrops of silicified limestone were found & sampled (MTTI-66, 67). Only hematite was on fractures - no mineralization. Two incredibly red-orange-hematitic gossans were crossed at ~300m S south soil SGTI-27. This was found to be a brecciated, siliceous-limestone horizon exposed for about 75-100m. Massive magnetite was found in outcrop either as a pod in siliceous limestone or, more likely, as fragments (some very large) in the breccia (sil-limestone). Pyrite was observed in one sample of magnetite (MTTI-69). It appears that calcite veins are favoured over quartz veins - silica must have been used primarily for the silicification of limestone. Also (one silica event) silicification of limestone could possibly have been "pre-breccia" i) silicified flags ii) brecciation accompanied by more calcareous solutions - this is

June 22/81 Barb Claims M. Thicke.

Dave A. (MR. T) & John H. began a regional soil traverse at a gossan just in the SE corner of the claims. They pass out of the claims & sample up a steep, grassy slope, where gossans outcrop (qz-carb), & comple the traw on a ridge east of the claims. Mike T. & Steve G. will sample & prospect a few remaining gossans within the claim block. This should complete the necessary work that is needed to determine the future of Barb Claims.

First gossan (MTT-96) was contained very abundant massive magnetite fragments (?) Pyrite was also present. This is likely an continuation of the heavily magnetite - quartz - carb breccias found on the 17th. Rocks surrounded by Ash ? siliceous limestones. The last gossanous area was in the north part of the claims on & a southern slope below SINWA limestone. On this side possibly small amount of quartz - carbonate breccia. Most gossanous material appears to be of granodiorites & quartz - feldspar porphyries. Granodiorites can contain up to 5% pyrite. Porphyries also can host pyrite. Pyrite Pyrrhotite also found in samples of intrusive (?). No magnetite was found in these rocks.

Possible depositional of qz-carb brex was discussed JUNE 17th. Carbonate material may have originated in Cache Creek limestone which may have been a source of & carbonate upon thrusting - brecciation Gossanous material below SINWA limestone is due to the intrusion of porphyry & granodiorite (pyrite bearing) dykes - probably not related to King Salmon Thrusting.

Rock Chips : MTT-96-100

Soil SGT-154.

Regional soils ⇒ DAT-182-193.

July 11/91 Barb Claims M. Thicke

J. Hawthorne & M. Thicke spent the day prospecting & sampling around an anomalous area on the Barb Claims. Detailed rock chip samples were collected off very silicified magnetite bearing siliceous limestones. There is a likely siliceous zone perhaps 100 m. wide. Magnetite appears in fragments, veinlets, stringers & blebs. Some magnetite bodies are either very large fragments or they occur in pod-like form. A possible trend for this zone may be N-S though it may be as wide as long.?? The texture of the siliceous material is very sucrosic, or, like a limestone. Some brecciated material lies above the siliceous rock. This was sampled previously (& also today) & likely doesn't host any gold.

Two soil lines, one above & the other below the anomalous area, were run over 300m at 50m intervals.

Rocks MTT1 - 193 - 204

Soils JHT1 - 318 - 331

JULY 26/81 BARB CLAIMS. M. THICKE.

J. HAWTHORNE & M. THICKE PROSPECTED & SAMPLED A DETAILED SOIL LINE NW ALONG THE KING SALMON THRUST. SOIL INTERVALS WERE APPROXIMATELY 100M APART. INTRUSIVE ROCKS SUCH AS DIORITE, QFP QUARTZ FELDSPAR PORPHYRIES & GRANODIORITES MAY BE FAULT CONTACTED WITH SINWA LIMESTONE. THESE INTRUSIVE ROCKS CONTAINED UP TO 5% PYRITE, TRACE PYRRHOTITE AND WERE MOSTLY FRESH. FRACTURING WAS HIGH. IT IS UNCERTAIN HOW WIDE THIS HOMATITIC BODY OF INTRUSIVE EXTENDS (SW) FROM THE FAULT. A PYRITIC LAPILLI TUFF WAS SAMPLED NEAR A LOCATION WHERE ANOMALOUS As (SOIL) & Au (ROCK) OCCUR. QUARTZ FELDSPAR DYKES USUALLY FOLLOW A NW OR WNW TREND, ABOUT PARALLEL TO K.S. THRUST. HOPEFULLY THIS TRAV WILL GIVE AN IDEA OF WHAT VALUES MAY OCCUR ALONG THE THRUST. SEE J. HAWTHORNE FOR SOIL LOCATIONS.

ROCKS MTT1- 299-303

SOILS JHT1- 430- 448.

Helicopter TIME
BARB CLAIMS

DATE	PASSENGERS	FROM	TO	TIME
JUNE 2	Dick, Shannow, Thicke	TRAPPER LK	BARB	0.30 mins.
		BARB	TRAPPER	0.30 "
JUNE 8	Thicke, Hawthorne	TRAPPER	BARB	0.30 mcl. recce BARB
		BARB	TRAPPER	0.30 minutes
June 9	Thicke, Hawthorne,	Trapper	Barb	0.20 minutes
	Lazenby, Madsen	Barb	Trapper	0.20 minutes.
June 10	Thicke, Lazenby, Goertz,	Trapper	Barb	0.30 minutes
	Abercrombie	Barb	Trapper	0.30 minutes
JUNE 18	Thick, Goertz	~~Barb~~ Trapper	Barb	0.30 minutes
		Barb	Trapper	0.30 minutes
June 22	Thicke, Goertz	Trapper	Barb	0.30 "
		Barb	Trapper	0.30 "
June 30	Dick, Wilson, Thicke	Trapper	Barb	0.20 "
		Barb	Trapper	0.20 "
July 11	Thicke Hawthorne	Trapper	Barb	0.20 "
		Barb	Trapper	0.20 "
July 26	Thicke, Hawthorne.	TRAPPER	BARB	0.20
		BARB	TRAPPER	0.20

SAMPLES FOR BARB

SOILS & SILTS.

DETAILED : 10 lines : 15 SAMPLES / LINE = 150 SOILS

(MINUS 1 SAMPLE ON 2+00W) = 149 SOILS

ON BASELINE + 15

164

REGIONAL : NORTH PART OF BARB CLAIMS : 14 SAMPLES.

SE SECTION OF CLAIMS ~ 3 SAMPLES

TOTAL SOIL/SILT 181 SAMPLES

ROCK GEOCHEM : 25 SAMPLES

+14 soils
+10 soils + 17 soils.

SOILS & SILTS = 181 SAMPLES

~~+5 soils~~ ~~+12 soils~~ 12 roots.

ROCK GEOCHEM : 25 SAMPLES +5 Rock

NOTE → PROBABLY A FEW MORE ROCK GEO. FROM TRENCH AREA

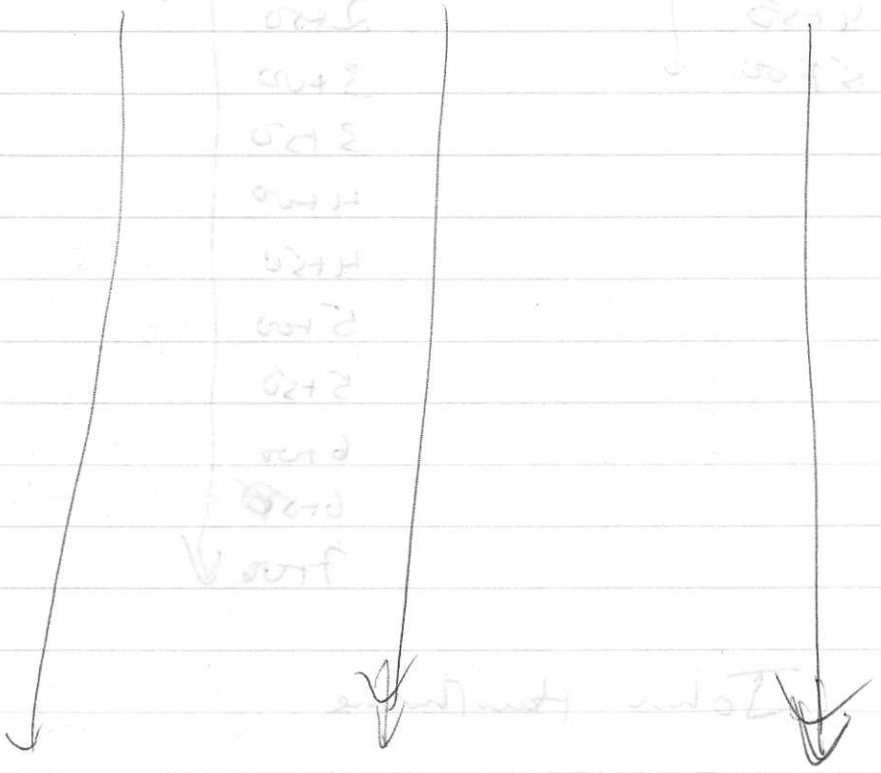
→ ALSO MORE SAMPLING ALONG KING SALMON FAULT TO COME.

2627
1880
3507

ROB LAZENBY

SAMPLES TAKEN ON BARB CLAIMS

LINE 0+00	LINE 0+50 E	LINE 0+50 W	LINE 1+50 W
0+00 S			
0+50 S	SAME AS 0+00.	SAME 0+50	SAME 0+50
1+00 S			
1+50 S			
2+00 S			
2+50 S			
3+00 S			
3+50 S			
4+00 S			
4+50 S			
5+00 S			
5+50 S			
6+00 S			
6+50 S			
7+00 S			

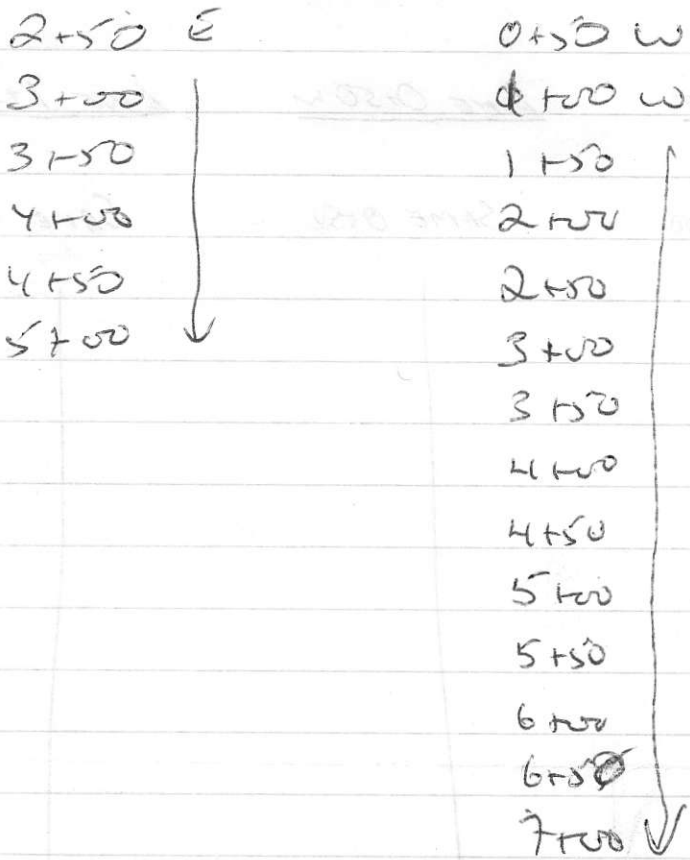


200 W goes to 6+50

200 E ⟶ 2+50 W.

250 200 150 100 50 0 50 100 150 200

Doug Madsen B.L. sampling.



John Hawthorne