

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

PROGRAM YEAR: 1999/2000

REPORT #: PAP 99-14

NAME: GRANT CROOKER

**BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)**

B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations 15 to 17, page 6.
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name Grant Crooker Reference Number 98/99-P31

LOCATION/COMMODITIES 92H-SE-052-
 Project Area (as listed in Part A) Hedley MINFILE No. if applicable 054,138,175
 Location of Project Area NTS 92H-8E Lat 49 19' Long 120 10'

Description of Location and Access The project is located 5 to 10 kms southwest of Hedley BC. Access is via the Sterling Creek road, and the Johns Creek and Pole Cutter branch roads.

Main Commodities Searched For gold, silver

Known Mineral Occurrences in Project Area On claims Blitz, Mission and Gold Hill. Off claims Snowstorm, Hed, Banbury, Don and Speculator.

WORK PERFORMED

1. Conventional Prospecting (area) 22 hectares
2. Geological Mapping (hectares/scale) 1:5000, 1:2500, 225 hectares
3. Geochemical (type and no. of samples) 81 silts, 43 soils, 106 rocks
4. Geophysical (type and line km) magnetic, 20.0 kms
5. Physical Work (type and amount) _____
6. Drilling (no. holes, size, depth in m, total m) _____
7. Other (specify) 1:20000 base map

SIGNIFICANT RESULTS

Commodities Au, Ag Claim Name John 1

Location (show on map) Lat. 49° 18' 20" Long 120° 8' 40" Elevation 1675 m

Best assay/sample type Blitz showing, 18 cm chip quartz vein, 8300 ppb Au, 12 cm chip quartz vein, 3350 ppb Au

Description of mineralization, host rocks, anomalies The property is underlain by Late Triassic Nicola group volcanic and sedimentary rocks of the Stenwinder and Whistle formations. Sills, dykes and stocks of the Late Triassic Hedley intrusions and Mid Jurassic Cahill Creek pluton intrude the Nicola rocks. At the Blitz showing, gold mineralization is related to a 10 to 20 cm wide, arsenopyrite bearing quartz vein within a 75 to 140^{cm} wide shear zone. At the Mission showing Au-Ag-Zn mineralization occurs within a shear zone with 1-50 mm wide quartz veinlets with arsenopyrite.

Supporting data must be submitted with this TECHNICAL REPORT

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

See also Assessment Report
26088, which was
submitted as part of the
required Technical Report.

STREAM SEDIMENT SAMPLING

The stream sediment sampling was carried out over Pettigrew Creek and an unnamed creek west of the Paul 2 claim. The samples collected from Pettigrew Creek gave two weakly anomalous gold values of 20 (151) and 80 (160) ppb.

Four of the samples collected from the unnamed creek gave strongly anomalous gold values. The highest value of 3200 ppb (097) was collected at the headwaters of the creek. The other three samples gave values of 720 (010), 1305 (104) and 380 (105) ppb. The area is underlain by Skwel Peken Formation and the cause of the anomalous samples is not known at this time.



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Page Number : 1-A
Total Pages : 1
Certificate Date: 01-OCT-1999
Invoice No. : 19929701
P.O. Number :
Account : LOY

Project : BLITZ
Comments: ATTN: GRANT CROOKER

CERTIFICATE OF ANALYSIS A9929701

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
126148	201 229	< 5	< 0.2	0.69	2	< 10	30	< 0.5	< 2	0.38	< 0.5	3	11	5	0.82	< 10	< 1	0.02	< 10	0.19
126149	201 229	< 5	< 0.2	0.68	2	< 10	30	< 0.5	< 2	0.37	< 0.5	3	7	5	0.95	< 10	< 1	0.02	< 10	0.21
126150	201 229	< 5	< 0.2	0.67	2	< 10	30	< 0.5	< 2	0.33	< 0.5	3	7	4	0.91	< 10	< 1	0.02	< 10	0.20
126151	201 229	20	< 0.2	0.65	4	< 10	40	< 0.5	< 2	0.30	< 0.5	3	7	6	0.90	< 10	< 1	0.02	< 10	0.20
126152	201 229	< 5	< 0.2	0.76	< 2	< 10	30	< 0.5	< 2	0.41	< 0.5	3	7	5	0.97	< 10	1	0.02	< 10	0.20
126153	201 229	< 5	< 0.2	0.50	< 2	< 10	20	< 0.5	< 2	0.21	< 0.5	1	5	3	0.62	< 10	< 1	0.01	< 10	0.12
126154	201 229	< 5	< 0.2	0.67	2	< 10	30	< 0.5	< 2	0.32	< 0.5	3	6	4	0.85	< 10	< 1	0.02	< 10	0.18
126155	201 229	< 5	< 0.2	0.65	2	< 10	30	< 0.5	< 2	0.34	< 0.5	3	6	4	0.91	< 10	< 1	0.02	< 10	0.16
126156	201 229	< 5	< 0.2	0.75	< 2	< 10	30	< 0.5	< 2	0.39	< 0.5	3	7	4	0.90	< 10	< 1	0.02	< 10	0.17
126157	201 229	< 5	< 0.2	0.80	< 2	< 10	40	< 0.5	< 2	0.39	< 0.5	3	7	5	0.90	< 10	< 1	0.02	< 10	0.18
126158	201 229	< 5	< 0.2	0.85	< 2	< 10	40	< 0.5	< 2	0.41	< 0.5	3	7	5	0.94	< 10	< 1	0.03	< 10	0.19
126159	201 229	< 5	< 0.2	0.86	< 2	< 10	40	< 0.5	< 2	0.42	< 0.5	3	8	5	0.98	< 10	< 1	0.03	< 10	0.19
126160	201 229	80	< 0.2	0.80	2	< 10	30	< 0.5	< 2	0.40	< 0.5	2	7	4	0.99	< 10	< 1	0.02	< 10	0.17

CERTIFICATION: _____



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Page Number :1-B
Total Pages :1
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Project: BLITZ
Comments: ATTN: GRANT CROOKER

CERTIFICATE OF ANALYSIS

A9929701

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
126148	201 229	170	1	0.01	5	350	< 2	< 0.01	< 2	1	27	0.06	< 10	< 10	18	< 10	28
126149	201 229	185	1	0.01	3	380	2	< 0.01	< 2	1	27	0.05	< 10	< 10	21	< 10	28
126150	201 229	190	1	0.01	3	320	< 2	< 0.01	< 2	1	25	0.05	< 10	< 10	19	< 10	28
126151	201 229	195	1	0.01	4	340	< 2	0.01	< 2	1	25	0.04	< 10	< 10	19	< 10	28
126152	201 229	195	< 1	0.01	3	340	< 2	< 0.01	< 2	1	29	0.07	< 10	< 10	23	< 10	28
126153	201 229	140	1	0.01	1	170	< 2	< 0.01	< 2	1	15	0.05	< 10	< 10	14	< 10	14
126154	201 229	190	< 1	0.01	4	290	< 2	< 0.01	< 2	1	26	0.05	< 10	< 10	18	< 10	24
126155	201 229	200	< 1	0.01	3	340	6	< 0.01	< 2	1	24	0.06	< 10	< 10	21	< 10	22
126156	201 229	200	< 1	0.01	2	280	2	< 0.01	< 2	1	30	0.08	< 10	< 10	21	< 10	24
126157	201 229	205	< 1	0.01	3	320	2	< 0.01	< 2	1	31	0.08	< 10	< 10	21	< 10	26
126158	201 229	215	1	0.01	3	300	< 2	< 0.01	< 2	2	33	0.08	< 10	< 10	21	< 10	28
126159	201 229	250	1	0.01	3	310	4	< 0.01	< 2	2	35	0.08	< 10	< 10	23	< 10	28
126160	201 229	220	< 1	0.01	3	280	2	< 0.01	< 2	2	31	0.09	< 10	< 10	23	< 10	26

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Page Number 11-A
 Total Pages 11
 Certificate Date 23-AUG-1999
 Invoice No. 119925795
 P.O. Number
 Account : LOY

Project : BLITZ
 Comments:

CERTIFICATE OF ANALYSIS A9925795

SAMPLE	PREP CODE		fusion Au ppb		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Bg	K	La
	wt. gm	FA+AA	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
126090	201	202	30.93	10	0.8	1.77	22	< 10	100	< 0.5	< 2	3.22	0.5	14	20	73	3.21	< 10	< 1	0.14	10
126091	201	202	15.00	< 5	0.4	2.11	26	< 10	110	< 0.5	< 2	2.34	0.5	15	23	78	3.72	< 10	< 1	0.19	10
126097	201	202	5.65	1200	< 0.2	0.83	2	< 10	40	< 0.5	< 2	0.31	< 0.5	4	9	4	2.14	< 10	< 1	0.04	< 10
126098	201	202	15.48	< 5	< 0.2	0.92	2	< 10	40	< 0.5	< 2	0.29	< 0.5	3	6	4	1.26	< 10	< 1	0.04	< 10
126099	201	202	5.59	< 10	< 0.2	0.91	< 2	< 10	40	< 0.5	< 2	0.35	< 0.5	4	9	4	2.15	< 10	< 1	0.03	10
126100	201	202	5.98	< 10	< 0.2	1.44	2	< 10	80	< 0.5	< 2	0.42	< 0.5	5	8	4	1.90	< 10	< 1	0.05	< 10
126101	201	202	5.48	< 10	< 0.2	1.31	2	< 10	120	< 0.5	< 2	0.47	< 0.5	6	7	5	2.17	< 10	< 1	0.05	< 10
126102	201	202	15.23	< 5	< 0.2	1.97	4	< 10	140	< 0.5	< 2	0.54	< 0.5	8	9	6	2.60	< 10	< 1	0.07	10
126103	201	202	5.61	< 10	< 0.2	1.73	4	< 10	100	< 0.5	< 2	0.48	< 0.5	5	8	5	2.10	< 10	< 1	0.06	10
126104	201	202	5.24	1205	< 0.2	1.53	2	< 10	90	< 0.5	< 2	0.45	< 0.5	5	9	5	2.30	< 10	< 1	0.06	10
126105	201	202	5.84	380	< 0.2	0.83	< 2	< 10	50	< 0.5	< 2	0.34	< 0.5	5	16	4	4.76	< 10	< 1	0.04	10
126106	201	202	5.98	< 10	< 0.2	0.88	< 2	< 10	50	< 0.5	< 2	0.33	< 0.5	5	13	5	3.77	< 10	< 1	0.05	10
126107	201	202	5.04	< 10	< 0.2	1.04	2	< 10	60	< 0.5	< 2	0.37	< 0.5	4	11	5	3.14	< 10	< 1	0.06	10

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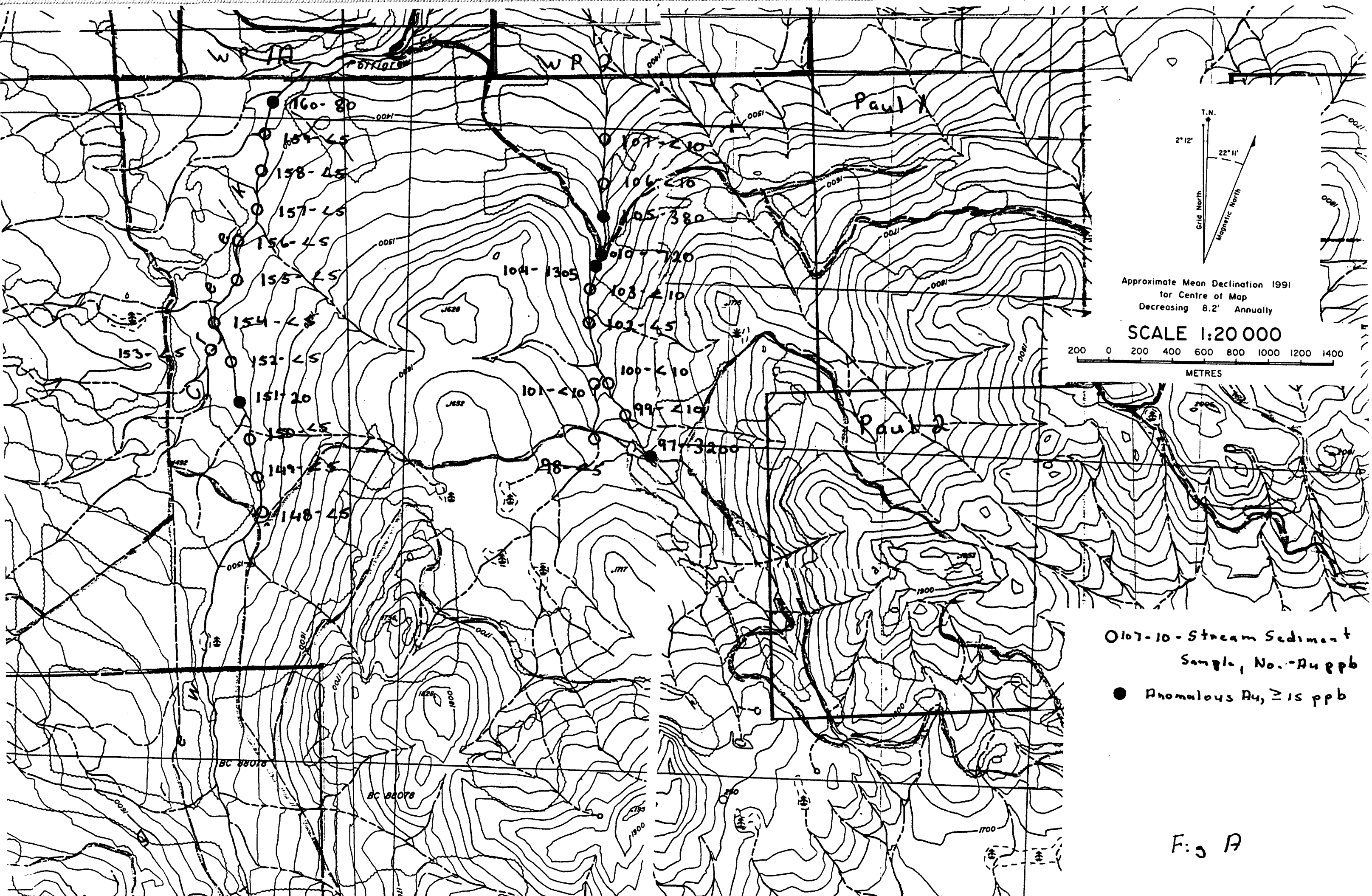
Project: BUTZ
 Comments:

Page Number: 1-8
 Total Pages: 1
 Certificate Date: 23-AUG-1999
 Invoice No.: 19925795
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CERTIFICATE OF ANALYSIS A9925795

SAMPLE	PREP CODE	Hg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
126090	201 202	0.77	755	11	0.01	30	1110	8	0.04	6	4	121	0.04	< 10	< 10				
126091	201 202	0.83	850	11	0.01	32	1340	8	0.03	4	5	83	0.05	< 10	< 10	45	< 10	122	
126097	201 202	0.14	700	1	0.02	4	250	< 2	< 0.01	< 2	1	20	0.09	< 10	< 10	50	< 10	138	
126098	201 202	0.14	395	1	0.02	3	250	< 2	0.01	< 2	1	20	0.09	< 10	< 10	52	< 10	20	
126099	201 202	0.12	590	1	0.02	3	310	< 2	< 0.01	< 2	1	23	0.10	< 10	< 10	29	< 10	18	
126100	201 202	0.17	1105	2	0.03	4	370	< 2	< 0.01	< 2	2	27	0.08	< 10	< 10	51	< 10	20	
126101	201 202	0.19	1460	3	0.03	4	430	< 2	0.01	< 2	2	36	0.08	< 10	< 10	36	< 10	22	
126102	201 202	0.28	2400	4	0.03	6	460	< 2	0.01	< 2	3	40	0.10	< 10	< 10	37	< 10	26	
126103	201 202	0.25	1165	3	0.03	4	420	< 2	0.01	< 2	3	33	0.11	< 10	< 10	43	< 10	30	
126104	201 202	0.25	1075	3	0.03	5	450	< 2	0.01	2	2	30	0.10	< 10	< 10	38	< 10	28	
126105	201 202	0.16	765	1	0.01	4	410	< 2	< 0.01	< 2	1	19	0.10	< 10	< 10	46	< 10	28	
126106	201 202	0.19	450	1	0.01	4	400	< 2	0.01	< 2	1	19	0.10	< 10	< 10	118	< 10	26	
126107	201 202	0.21	435	1	0.01	4	390	< 2	< 0.01	< 2	2	22	0.09	< 10	< 10	93	< 10	26	
																	72	< 10	26

CERTIFICATION: _____



160-80

159-45

158-45

157-45

156-45

155-45

154-45

153-45

152-45

151-20

150-45

149-45

148-45

107-210

106-210

105-380

104-720

103-210

102-45

101-410

100-410

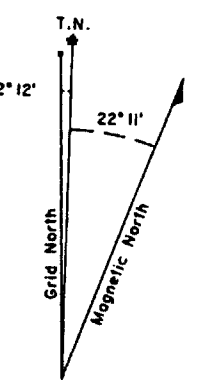
99-210

98-45

97-3200

Paul 1

Paul 2



Approximate Mean Declination 1991
for Centre of Map
Decreasing 8.2' Annually

SCALE 1:20 000



○ 107-10 - Stream Sediment
Sample, No. - Au ppb

● Anomalous Au, ≥ 15 ppb

Fig A