DU PONT OF CANADA EXPLORATION LIMITED

GEOCHEMICAL REPORT

HEAVY MINERAL SAMPLING FOR GOLD IN FIVE AREAS OF BRITISH COLUMBIA

TASEKO AREA, CLINTON AND LILLOOET M.D.
NTS: 92-J-9,10,15,16; 92-O-1 to 4

CRY LAKE AREA, LIARD M.D.
NTS: 104-I-1,2,5-8,11,12

TELEGRAPH CREEK AREA, LIARD M.D.
NTS: 104-G-5,12,13

ISKUT RIVER AREA, LIARD AND SKEENA M.D.
NTS: 104-B-7 to 15

CHAPPELLE AREA, OMINECA, M.D. & LIARD
NTS: 94-D-8,9,16; 94-E-1 to 3, 6,7,11-14

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

G. A. Harron

G. A. Harron
1981 April 27

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I. INTRODUCTION

a. Location, Access, Physiography

The five areas sampled, their aerial extent and the "base camp" locations, are listed below. Additionally, the locations of the areas are shown on the index map (figure 1). Commercial accommodations were utilized as "base camps" as they provided easy access to fuel supplies, sustenance and communications. Access to the sample sites was exclusively by helicopter, even though roads or trails existed in the target areas.

Sample Area Name	"Base Camp" Location	Areal Extent (km^2)
Taseko Lakes (92-J,O)	Goldbridge	2750
Chappelle (94-D,E)	Baker Mine	6200
Telegraph Creek (104-G)	Dease Lake	800
Cry Lake (104-I)	Dease Lake	3125
Iskut River (104-B)	Ellsworth Logging Co. camp (approx 32 km S of Meziadin Jct.)	3500

b. Geography and Physiography

The Taseko Lakes, Iskut River and Telegraph Creek areas are located along the eastern margin of the Coast Range mountains. Elevations range from 305 m to 3125 m with steeply incised valleys. Glaciers are a common feature of the higher terrain and densely forested valleys prevail below about 1100-1200 m. The intermediate elevations are covered with alpine flora.

The Chappelle area and Cry Lake areas are located along the eastern margin of the Intermontane belt, north of 57° latitude. Gently rolling hills, ranging up to 1700 m are the most common land form. The tree line generally averages 1370 m a.s.l. with thin to moderate forest cover in the valleys.

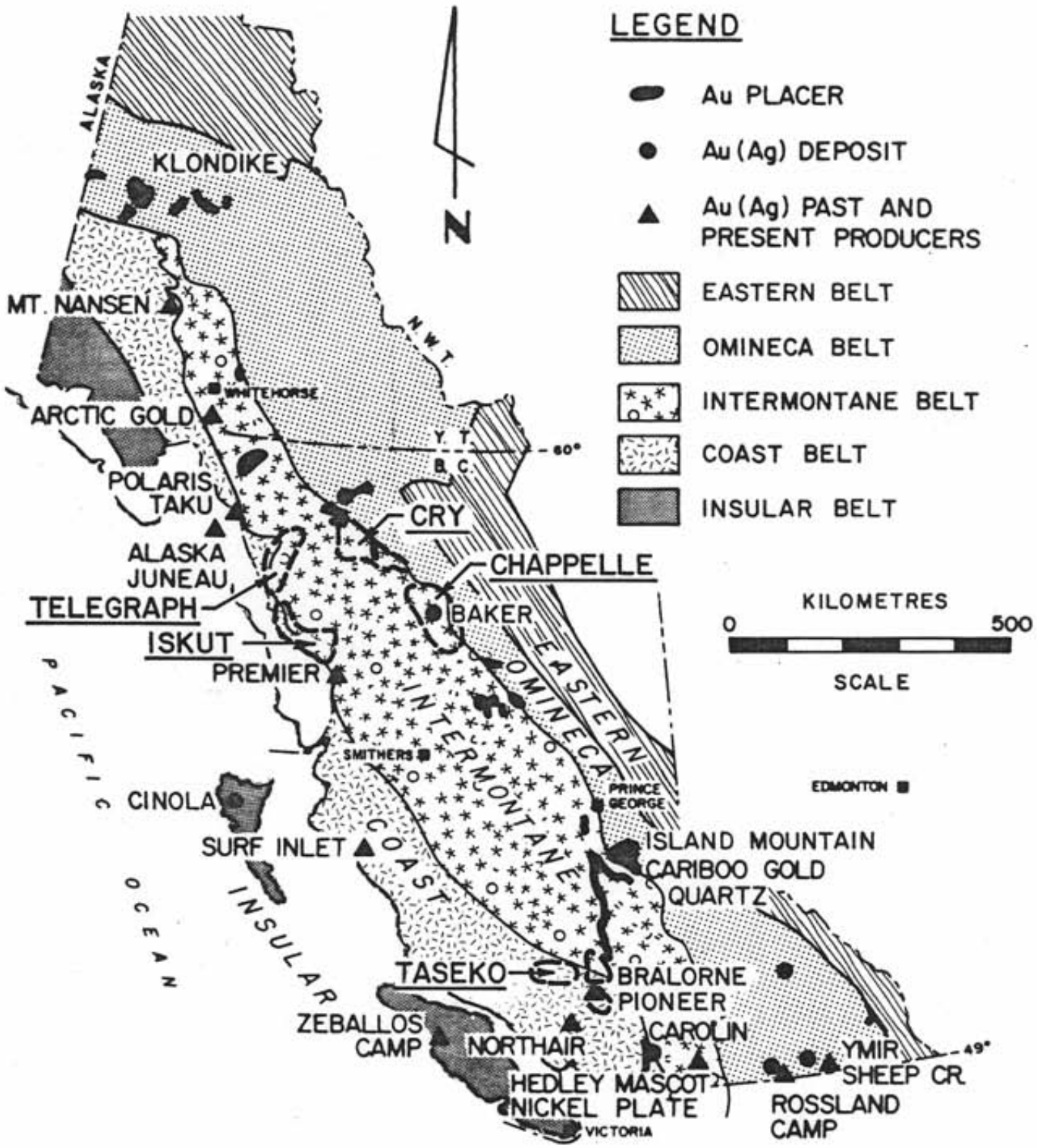


FIGURE I

ARGONAUT PROJECT AREAS

PRINCIPAL LODE & PLACER GOLD DEPOSITS

CANADIAN CORDILLERA

K.L.J. 80 06 17

DRWG No. AR.80-9

c. Economic Assessment of the Area

The areas selected for sampling have a history of gold production, or contain a significant number of gold prospects.

The Taseko Lakes area contains the Bralorne and Pioneer Mines (past producers) and the Mindep file lists 55 occurrences of lode gold in the area sampled.

The Chappelle area is currently under intensive exploration for gold. The area hosts the Baker Mine, the Lawyers Pass and the Metsantan prospects.

The Telegraph Creek area has a history of placer mining, but no known lode gold deposits. The Mindep file lists 7 gold occurrences in the selected area.

The Iskut River terrane hosts the Silbak-Premier Mine which operated from 1919 to 1967 and produced 1.8 million ounces gold and 4 million ounces silver. The district also contains many other smaller gold mines, and is currently under intensive exploration by several exploration organizations for gold.

d. Summary of Work Performed

The sampling commenced on 1980 May 1 and was completed by 1980 June 10. The sampling and sample preparation work was executed by a crew of 13 persons using two helicopters and one or two trucks (exclusive of aviation company personnel).

A total of 2152 sample sites were occupied in the 5 target areas. Additional sample sites were unavailable due to adverse snow and ice conditions.

The samples collected were seived into a -20 to +100 mesh fraction, and a -100 mesh fraction. This resulted in the geochemical analyses of 4129 samples. The +20 fraction was saved for future reference.

II. GEOCHEMICAL SURVEY

a. Sample Collection and Preparation

Two sampling crews were utilized. Each crew consisted of a Hughes 500D helicopter, a pilot, a

navigator/spotter and three samplers. The navigation/spotter selected the sampling site and recorded the sample number and exact sampling location. The samplers were set out in turn and picked up by coordination through radio communication to the spotter.

Stream samples were collected at variable spacings in the search area, depending on the predetermined geology and local ground conditions. Details of the sampling density are listed in Table 1. Samples of 10 kg of material from leading or leading/slip edges of sand-gravel bars at the first major break of slope about 1 km from the headwaters of the creeks were collected. Samplers collected the material using galvanized sheet metal scoops, which was placed in plastic bags and labelled. Details of sample texture, origin, colour and stream width and velocity were recorded on special information tags for later perusal. A flag bearing the sample number was placed at the collection site.

Each 20 kg sample was wet-sieved, with a split of the +20 mesh fraction saved for later examination if warranted (i.e., anomalous gold values in the -20 to +100 mesh fraction). Two size fractions resulted from the wet-sieving; a -20 mesh to +100 mesh, and a -100 mesh fraction. Both size fractions were forwarded to Min-En Laboratories, in North Vancouver for further processing geochemical analyses.

Four hundred gram portions of the coarse fraction (-20 to +100 mesh) were subjected to heavy liquid mineral separation using tetrabromethane (S.G. 2.85) and centrifuging. The "sink" and "middlings" were recovered and analyzed for gold and other metals, as indicated in Table 1.

The fine fraction (-100 mesh) was pulverized and rolled with a portion analyzed for Au, Ag, Cu and other elements as listed in Table 1.

b. Analytical Procedure

The details of the analytical procedures for the determination of the elements are given in Appendix A.

TABLE 1

Sampling Statistics

Area	No. of Samples Analyzed for Elements																	Sample Density
Element	Au		Ag		Cu		Pb		As		Cd		Sb		W		Hg	
Mesh Size	-20 +100	-100	-20 +100	-100	-20 +100	-100	-20 +100	-100	-20 +100	-100	-20 +100	-100	-20 +100	-100	-20 +100	-100	-100	Samples/km^2
Taseko Lakes (92-J,O)	426	411	426	426	426	426	426			426				393				0.15
Chappelle (94-D,E)	832	671		671		671		671		671								0.13
Telegraph Crk (104-G)	178	183	178	187	178	187	178	187									186	0.22
Cry Lake (104-I)	319	294	319	305	319	305	319	305									300	0.10
Iskut River (104-B)	397	392	147	396	147	256	147	396	147	396	147	140	147	140	136	139		0.11
TOTALS	2152	1951	1070	1985	1070	1845	1496	1559	147	1919	147	140	147	533	136	139	486	0.14 Average

c. Results and Interpretation

The analytical data derived from the samples is plotted on the 116 maps accompanying this report. The scale of these maps is 1:50 000 and the accuracy of the sample location shown is estimated to be within 50 m.

The values for Au are in ppb and values for Cu, Pb, As, Sb, Cd, Ag, W and Hg Au in ppm. The quantity of heavy minerals extracted from the 400 gm samples is shown in %. The values shown for analyses of the heavy mineral concentrates is "raw data" and has not been weighted.

In interpreting the gold geochemical results, an arbitrary value of 1000 ppb in both the coarse and fine fractions was used to define anomalous samples. On this basis, 109 claim groups totalling 1798 units were staked for their gold mineralization potential.

A rigorous analysis of all the geochemical date derived from this survey has not yet been completed.

III. COST STATEMENT

a. Wages

Geologists	Date Rate	Dates	No. of Days	Cost
1	$180.44	May 1-10/80	10	$ 1 804.40
1	171.07	May 1-11/80, Apr.6-10/81	16	2 737.96
1	102.37	May 3-31, June 1-13/80	42	4 299.54
1	51.88	May 3-31, June 1-9/80	38	1 971.44
Field Assistants				
1	55.06	May 1-27/80	27	1 486.62
1	51.88	May 2-31, June 1-13/80	43	2 230.84
1	50.82	May 2-31, June 1-13/80	43	2 185.26
1	46.58	May 1-31, June 1-10/80	41	1 909.78
3	46.58	May 1-31, June 1-13/80	132	6 148.56
1	43.42	May 8-31, June 1-9/80	33	1 432.86
1	39.18	May 1-31, June 1-9/80	40	1 567.20
1	39.18	Apr. 15,16/81	2	78.36
				$27 851.98

b. Room and Board

Area	Per Diem Rate	Dates	No.of Days	No.of Persons	Cost
Taseko Lks	$38.15	May 1-7/80	7	16	$ 4 272.80
Telegraph Crk-Cry Lks	36.70	May 8-22/80	14	14	7 193.20
Iskut R.	50.41	May 23-29/80	7	14	4 940.18
Chappelle	49.56	May 30 to June 10/80	12	13	7 731.36
					$24 137.54

c. Transportation

i. To the field area and ground support:

Truck Rentals:	
May 1 - June 8/80, 39 days @ $27.70/day	$ 1 080.30
May 1 - June 8/80, fuel @ $20/day	780.00
May 6-9/80, 4 days @ $120.44/day	481.74
May 6-9/81 fuel	66.20
Company Truck:	
May 2 - June 10/80, 39 days @ $30/day	1 170.00
May 2 - June 10/80 fuel, 39 days @ $20/day	780.00
	$ 4 358.24

Aircraft Charters:

Date	Route	Cost
May 8/80	Mile 108 - Dease Lake	$ 2 149.00
	Sturdee R. - Smithers	648.00
	Van Dyke - Sturdee River	1 818.00
	Sturdee R. - Pine Lake	1 566.00
		$ 6 181.00

ii. In support of field work:

All flying by Terr-Air Rotary Ltd., at a $300/hr rate and fuel costs.

Area	Flying Hours	Dates	Cost
Taseko Lakes	84.2	May 1-7/80	$ 30 889.34
Telegraph Crk - Cry Lake	110.1	May 8-22/80	30 140.10
Iskut River	132.1	May 23-29/80	39 762.10
Chappelle	119.5	May 30 - June 10	41 897.50
			$142 689.04

d. Equipment Rentals

Air compressor	May 1 - June 24/80	$ 350.00

e. Analytical Services

Taseko Lakes Area:

No. of Samples	Type	Elements Analyzed/ Preparation	Unit Cost	Cost
426	Stream Sediments	H.M. separation	$16.00	$ 6 816.00
426	"	Wet sieving	7.00	2 982.00
426	"	Cu, Pb, Ag, Au	7.50	3 195.00
426	"	Pulverization	0.60	255.60
426	"	Cu, Ag, As	5.25	2 236.50
411	"	Au	4.25	1 746.75
393	"	Sb	3.50	1 375.50
				$ 18 607.35

Cry Lake Area:

319	Stream Sediments	H.M. separation	$16.00	$ 5 104.00
319	"	Cu, Pb, Ag, Au	7.50	2 392.50
305	"	Pulverization	0.60	183.00
305	"	Cu, Pb, Ag	3.25	991.25
294	"	Au	4.25	1 249.50
300	"	Hg	4.25	1 275.00
				$ 11 195.25

Telegraph Creek Area

No. of Samples	Type	Elements Analyzed/ Preparation	Unit Cost	Cost
178	Stream Sediment	H.M. separation	$16.00	$ 2 848.00
178	"	Wet sieving	7.00	1 246.00
178	"	Cu, Pb, Ag, Au	7.50	1 335.00
187	"	Pulverization	0.60	112.20
187	"	Cu, Pb, Ag	3.25	607.75
186	"	Hg	4.25	790.50
183	"	Au	4.25	777.75
				$ 7 717.20

Iskut River Area

397	Stream Sediment	H.M. separation	$16.00	$ 6 352.00
397	"	Au	4.25	1 687.25
147	"	Cu, Pb, Ag, As, Cd, Sb	10.25	1 506.75
136	"	W	3.75	510.00
396	"	Pulverization	0.60	237.60
140	"	Pb, Ag, As, Cd, Sb	9.50	1 330.00
136	"	Au	4.25	578.00
256	"	Cu, Pb, Ag, As, Au	10.25	2 624.00
				$ 14 825.60

Chappelle Area

832	Stream Sediment	H.M. Separation	$16.00	$ 13 312.00
832	"	Au	4.25	3 536.00
671	"	Pulverization	0.60	402.60
671	"	Cu, Pb, Ag, As, Au	10.25	6 877.75
		Overtime charges		3 950.00
				$ 28 078.35

Report Preparation

	Daily Rate	Dates	No. of Days	Cost
Drafting				
1	$ 72.97	Aug.20/80 to Mar.19/81	37	$ 2 699.89
1	137.12	June 9/80 to Apr.15/81	64	8 775.68
Typing	$ 62.00	April 21,22/81	2	124.00
Map Reproduction, $.11/sq ft; Apr.23,24/81			(928 maps)	764.65
				$ 12 364.22

GRAND TOTAL $298 355.77

DU PONT OF CANADA EXPLORATION LIMITED

GEOCHEMICAL REPORT

HEAVY MINERAL SAMPLING FOR GOLD IN FIVE AREAS OF BRITISH COLUMBIA

TASEKO AREA, CLINTON AND LILLOOET M.D.
NTS: 92-J-9,10,15,16; 92-O-1 to 4 — 67 000

CRY LAKE AREA, LIARD M.D.
NTS: 104-I-1,2,5-8,11,12 — 33 000

TELEGRAPH CREEK AREA, LIARD M.D.
NTS: 104-G-5,12,13 — 33 000

ISKUT RIVER AREA, LIARD AND SKEENA M.D.
NTS: 104-B-7 to 15 — 53 000

CHAPPELLE AREA, OMINECA, M.D. & LIARD
NTS: 94-D-8,9,16; 94-E-1 to 3, 6,7,11-14 — 112 355.77

298 355.77

TEK

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES BRANCH–TITLES DIVISION
MINERAL ACT

STATEMENT OF EXPLORATION AND DEVELOPMENT

I, Gerald A. Harron (Name) 2810 Sechelt Drive (Address) North Vancouver, BC
Valid subsisting F.M.C. No. 203379

Agent for Du Pont of Canada Expl. Ltd. (Name) 102-1550 Alberni Street (Address) Vancouver, BC V6G 1A5
Valid subsisting F.M.C. No. 203382

STATE THAT

1. *I have done, or caused to be done, work on the* under section 12(1)(b) "Heavy Mineral Sampling for gold in Five Areas in British Columbia" Claim(s)
Record No.(s) Lillooet, Clinton, Omineca,
Situate at Skeena and Liard in the Mining Division,
to the value of at least $298,355.77 dollars. Work was done from the 1st day
of May 19 80, to the 27th day of April 19 81

2. The following work was done in the 12 months in which such work is required to be done:

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by section 13 of regulations.)

	COST
TOTAL PHYSICAL	

I wish to apply $ ..... of physical work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

B. PROSPECTING (Details in report submitted as per section 9 of regulations.)
(The itemized cost statement must be part of the report.)

COST

I wish to apply $ ..... of this prospecting work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

(For C and D sections, please turn over.)

C. DRILLING (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)	COST

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.)	
Geochemical	$298,355.77
TOTAL OF C AND D	$298,355.77

Who was the operator (provided the financing)?

Name Du Pont of Canada Exploration Limited

Address 102-1550 Alberni Street
Vancouver, BC V6G 1A5

Portable Assessment Credits (PAC) Withdrawal Request	AMOUNT
Amount to be withdrawn from owner(s) account(s):	
Name of Owner	
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.) 1.	
2.	
3.	
4.	
TOTAL WITHDRAWAL	
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL	

I wish to apply $ ..... of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

	Name	AMOUNT
In owner(s) name.	1. Du Pont of Canada Expl. Ltd.	$298,355.77
	2.	
	3.	
In operator(s) name (party providing the financing).	1.	
	2.	
	3.	

D. A. Harron

(Signature of Applicant)

IV. QUALIFICATIONS

I, Gerald A. Harron, do hereby certify that:

1. I am a geologist residing at 2810 Sechelt Drive, North Vancouver, British Columbia and employed by Du Pont of Canada Exploration Limited.

2. I am graduate of the University of Western Ontario with a M.Sc. degree in geology.

3. I am a registered Professional Engineer in the Province of Ontario.

4. I have practised my profession in geology continuously for the past 11 years in various provincial jurisdictions in Canada.

5. Between 1980 May 1 and 1981 April 27, I supervised and participated in the field programme described in this report on behalf of Du Pont of Canada Exploration Limited.

G. A. Harron

Gerald A. Harron
1981 April 27

APPENDIX A

Geochemical Analytical Procedures

PHONE 980-5814

DEC 1 - 1980

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE FOR ASSESSMENT WORK

PROCEDURE FOR: TUNGSTEN

0.5 gram of prepared samples are weighed into nickel crucibles and fluxed with 1:4 times with carbonate flux in a temperature controlled furnace.

Samples than are dissolved and suitable aliquots are taken for colorimetric procedures.

The interferring elements are reduced from the solutions by a 10% $SnCl_2$ solution before the test is carried out by the Zinc Dithol reagent.

The coloured complex is extracted with Kerosene oil to obtain pure and more easily discrimenated blue color.

Samples are measured against a suitable suit of standards which are carried through the same manner as the samples.

PHONE 980-5814

APPENDIX A

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
Corner 15th Street and Bewicke
705 WEST 15th STREET
NORTH VANCOUVER, B.C.
CANADA

ANALYTICAL PROCEDURE REPORTS FOR ASSESSMENT WORK

PROCEDURES FOR Mo, Cu, Cd, Pb, Mn, Ni, Ag, Zn, As, F

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO_3 and $HClO_4$ mixture.

After cooling samples are diluted to standard volume. The solutions are analyzed by Atomic Absorption Spectrophotometers.

Copper, Lead, Zinc, Silver, Cadmium, Cobalt, Nickel and Manganese are analysed using the CH_2H_2-Air flame combination but the Molybdenum determination is carried out by C_2H_2-N_2O gas mixture directly or indirectly (depending on the sensitivity and detection limit required) on these sample solutions.

For Arsenic analysis a suitable aliquote is taken from the above 1 gram sample solution and the test is carried out by Gutzit method using Ag $CS_2N(C_2H_5)_2$ as a reagent. The detection limit obtained is 1.2 ppm.

Fluorine analysis is carried out on a 200 milligram sample. After fusion and suitable dilutions the fluoride ion concentration in rocks or soil samples are measured quantitatively by using fluorine specific ion electrode. Detection limit of this test is 10 ppm F.

APPENDIX A

MERCURY ANALYTICAL PROCEDURE FOR ASSESSMENT FILING

1.000 gram sample digested with Nitric and Sulphuric Acid. Than further oxidized with 30% H_2O_2 while heating and repeating the oxidizing steps.

After cooling and diluting to suitable volume the solution to refine the oxidation procedure 5% $KMNO_4$ is added in the titrating manner until pink color is obtained.

Mercury is realized by reducing solution into the Flameless Atomic Absorption Chamber and measured in comparing samples with known standards.

PHONE 980-5814

APPENDIX A

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
Corner 15th Street and Bewicke
705 WEST 15th STREET
NORTH VANCOUVER, B.C.
CANADA

ANALYTICAL PROCEDURE REPORTS FOR ASSESSMENT WORK

PROCEDURE FOR GOLD GEOCHEMICAL ANALYSIS.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

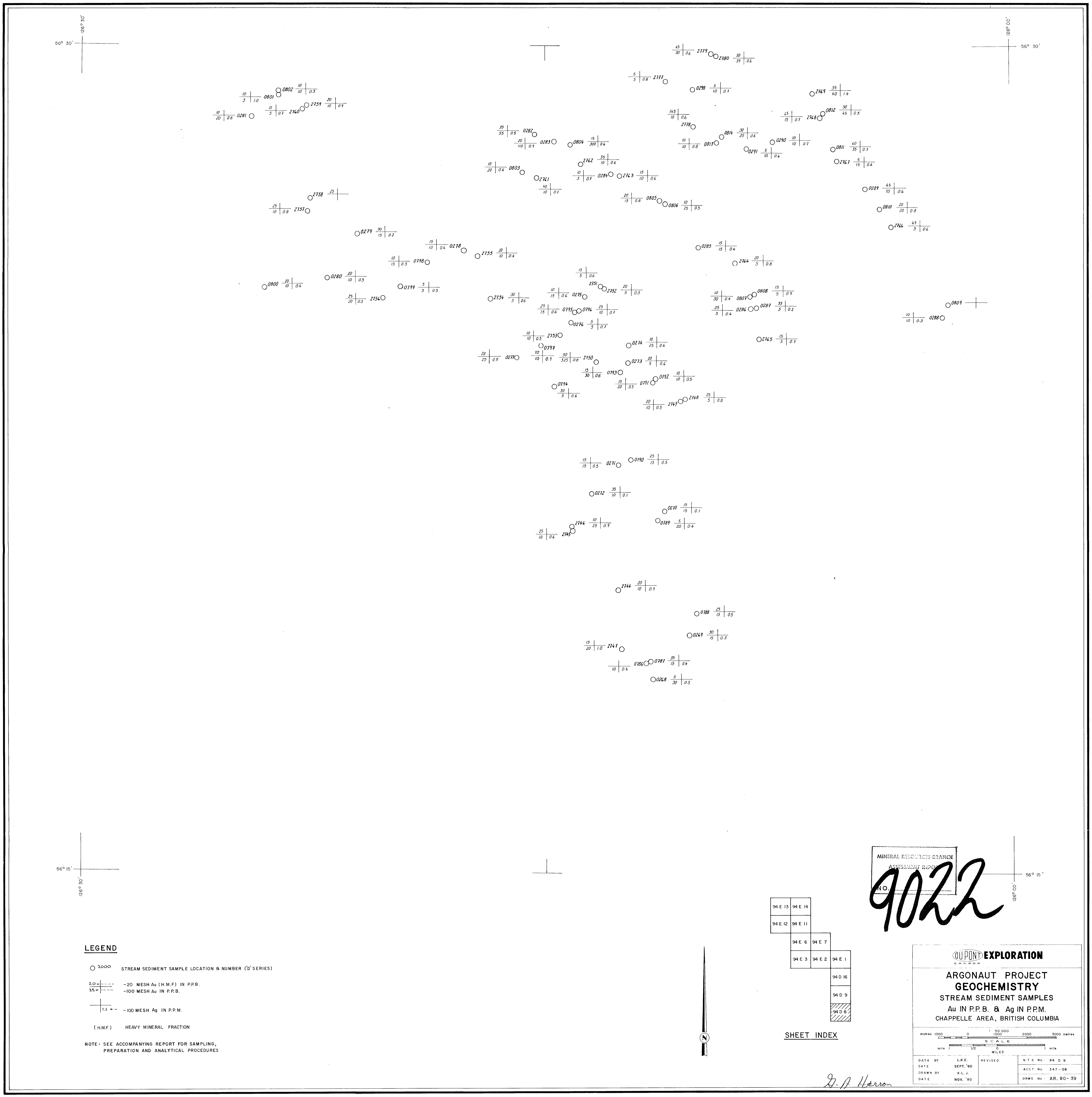
A suitable sample weight 5.0 or 10.0 grams are pre-treated with HNO_3 and $HClO_4$ mixture.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

At this stage of the procedure copper, silver and zinc can be analysed from suitable aliquote by Atomic Absorption Spectrophotometric procedure.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 5 ppb.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126° 30'
126° 00'
56° 15'
LEGEND
STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)
-20 MESH Au (H.M.F) IN P.P.B.
-100 MESH Au IN P.P.B.
-100 MESH Ag IN P.P.M.
(H.M.F.) HEAVY MINERAL FRACTION
NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES
94 E 13
94 E 14
94 E 12
94 E 11
94 E 6
94 E 7
94 E 3
94 E 2
94 E 1
94 D 16
94 D 9
94 D 8
SHEET INDEX
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022
DUPONT EXPLORATION
CANADA
ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA
1 : 50 000
metres 1000 0 1000 2000 3000 metres
SCALE
mile 1 1/2 0 1 mile
MILES
DATA BY L.K.E.
DATE SEPT. '80
DRAWN BY K.L.J.
DATE NOV. '80
REVISED
N.T.S. No.: 94 D 8
ACCT No. 347-08
DRWG. No.: AR. 80-39

126° 30'
56° 45'
126° 00'
56° 45'

0256 15
0775 15/10 0.4
0257 35
25/120 0.8 0777
0776 5/5 0.7
10 0781 0782 10
0258 25
0262 25
10 0263
15 0260 0261 5
0778 10
0259 20
30 0779 0780 20
25/10 0.6 0327 0326 10/10 0.3
2800 25/5 0.5
10 0783 0264 10
0265 15
0266 15
15 0785 0784 15
0319 10/10 0.3
0317 10/20 0.4
2794 10/280 0.4
2798 15
10/30 0.5 2795 2796 10/20 0.6
0320 40/5 0.3
35/35 0.4 2797
0318 5/5 0.3
2799 25/5 0.5
5/920 0.9 0314 0316 0315 25/30 0.5
20/10 0.3
20/25 0.6 2792 2793 25/10 0.6
0303 15/45 0.4
0267 10
0304 10/20 0.4
2784 35/210 0.9
10/20 0.6 0312 0313
2785 25/40 1.0
5/65 0.7 0305
10/100 0.9 0302
15/20 0.9
2786 2788 2787 40/45 0.3 30/35 0.4
15/5 0.5 0307 0306 15/15 0.9
0311 5/55 1.1
2791 30/20 0.7
2789 15/400 0.5
25/25 0.6 2782 2783 40/45 0.9
35/55 0.9 0301
20/35 1.1 2181 0300 25/5 0.4
0299 35/10 0.3
35/35 0.8 0308 0309 15/10 0.6
2790 35/25 0.9
0310 5/45 1.0
15/15 0.4 0321
15/180 0.7 0322 0325 25/25 0.5
25/5 0.7 0294 0292 15/60 0.2
0293 5/20 0.8
40/10 0.7 2772 2771 5/25 1.2
2770 45/10 0.4
2773 5/160 0.7
10/650 0.5 2774
5/250 1.0 0295 0296 35/200 0.7
0297 15/15 0.9
2775 5/5 0.7
25/100 1.0 2776

126° 30'
56° 30'
126° 00'
56° 30'

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

LEGEND

- ○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)
- 20 / 35 — −20 MESH Au (H.M.F.) IN P.P.B. / −100 MESH Au IN P.P.B.
- 1.1 — −100 MESH Ag IN P.P.M.
- (H.M.F.) — HEAVY MINERAL FRACTION

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

N

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94 E 13	94 E 14	
94 E 12	94 E 11	
	94 E 6	94 E 7
	94 E 3	94 E 2	94 E 1
		94 D 16
		94 D 9
		94 D 8

DU PONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

SCALE 1 : 50,000
metres 1000 0 1000 2000 3000 metres
mile 1 1/2 0 1 mile
MILES

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DATE	SEPT. '80		ACCT No. 347-08
DRAWN BY	K.L.J.		DRWG. No.: AR. 80-40
DATE	NOV. '80		

D. A. Harron

LEGEND

- ○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)
- 20 — 20 MESH Au (H.M.F.) IN P.P.B.
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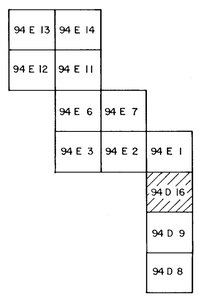
- (H.M.F.) — HEAVY MINERAL FRACTION

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES



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D. A. Harron

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

SCALE 1:50,000
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mile 1 1/2 0 1 mile
MILES

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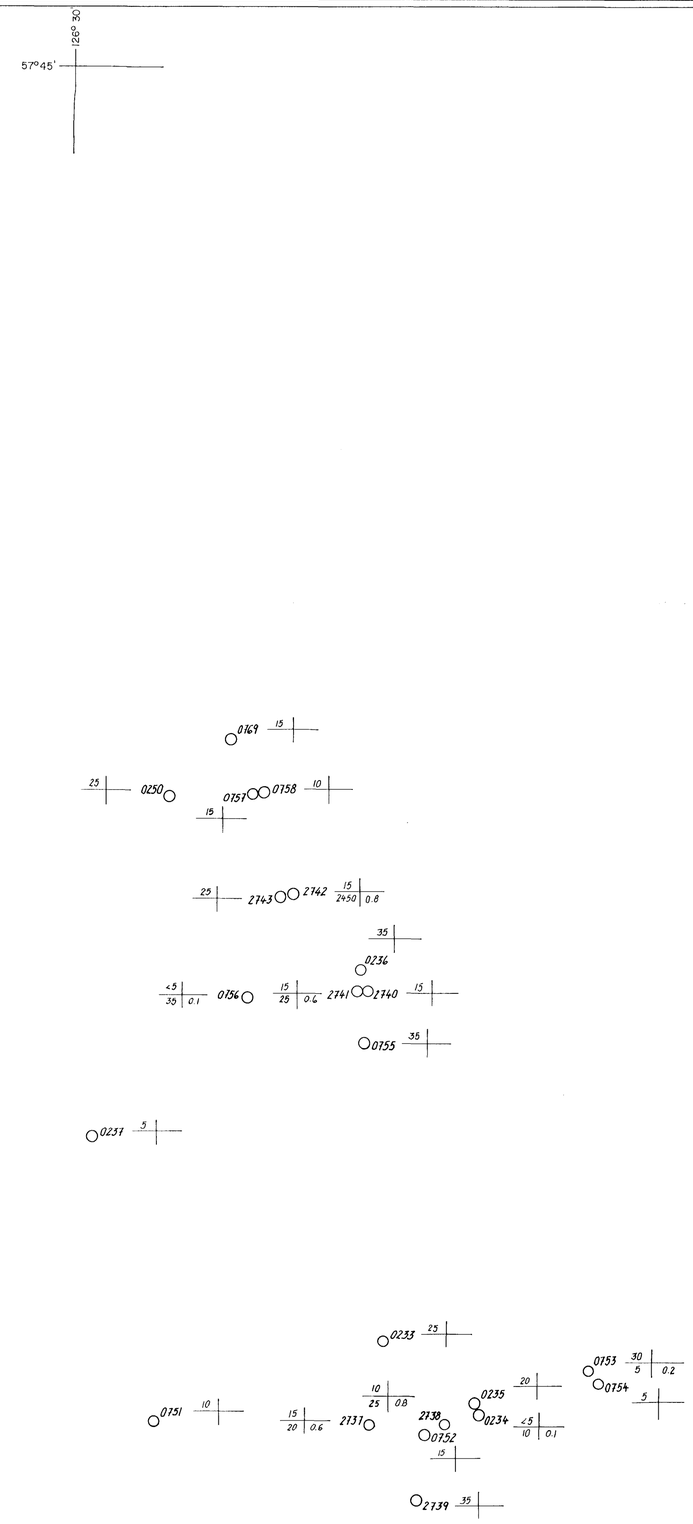

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- 20 — 20 MESH Au (H.M.F.) IN P.P.B.
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- (H.M.F.) — HEAVY MINERAL FRACTION

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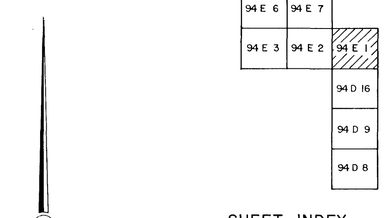

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DUPONT CANADA **EXPLORATION**

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

SCALE 1 : 50,000
metres 1000 0 1000 2000 3000 metres
mile 1 1/2 0 1 mile
MILES

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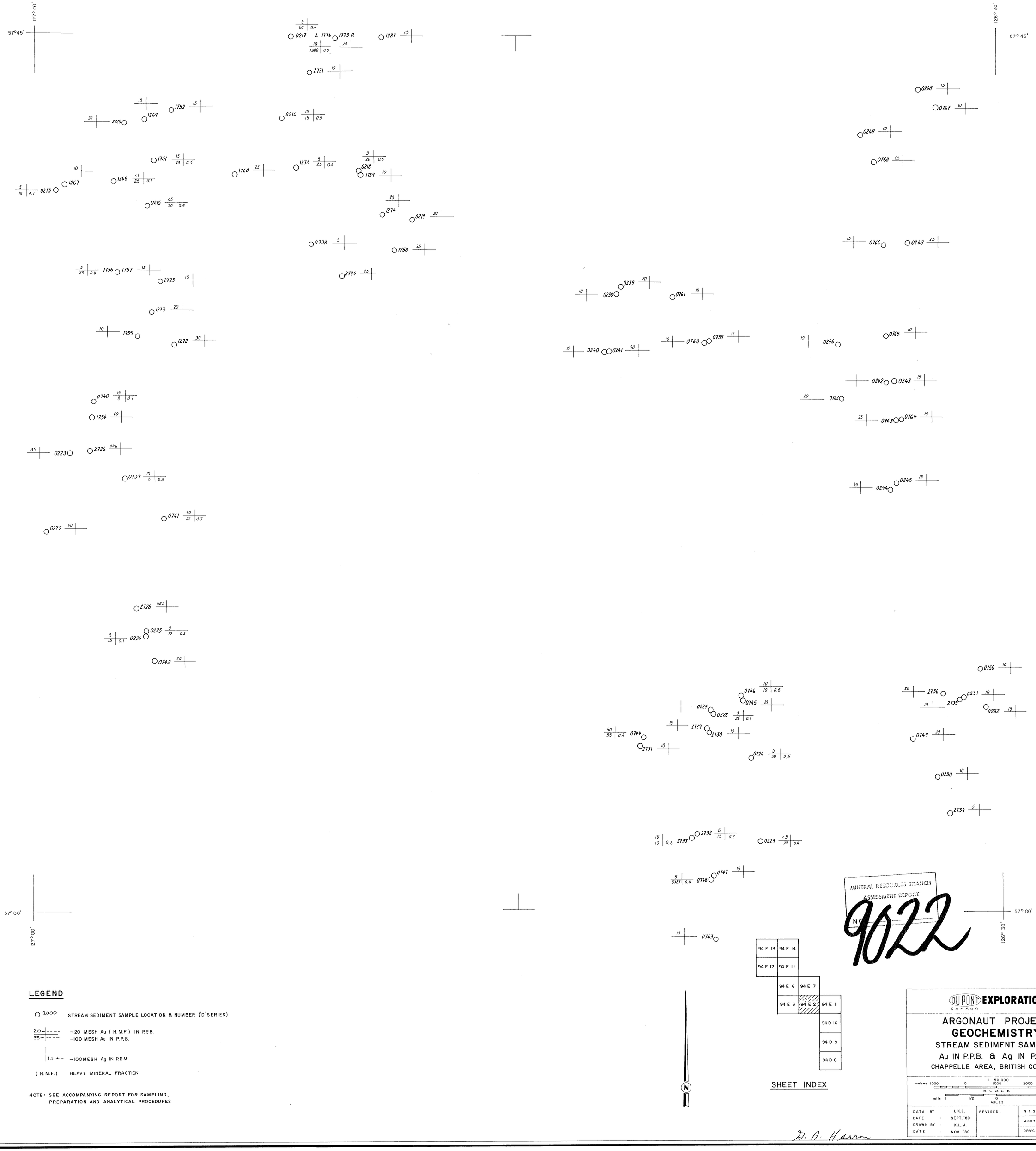
DATE	NOV. '80		

D. A. Herron



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- ○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)
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MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
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D. A. Harron

DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

SCALE 1 : 50,000
metres 1000 0 1000 2000 3000 metres
mile 1 1/2 0 1 mile
MILES

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DATE	NOV. '80		

127° 00'

57° 15'

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35 | 1747 1748 | 30

1266 5 / 15 | 0.1

2282 20 / 10 | 0.4

45 | 1745 1746 | 10 / 15 | 0.3

1749 10

5 / 20 | 0.1 1265

2281 35

1750 30

1744 30

1270 15

1264 30 / 10 | 0.6

2274 20 / 5 | 0.8

2280 25 / 15 | 0.4

1753 3100 / 1050 | 1.2

1737 20 / 10 | 0.8

2275 30 / 5 | 0.5

2127 15 / 25 | 0.6

1743 5 / 15 | 0.6

10 / 5 | 0.2 1738 1258 45 / 20 | 0.7

1263 5 / 25 | 0.1

1259 55 / 15 | 0.4

1739 5 / 5 | 0.6

2279 5 / 20 | 0.5

1742 25

2276 40 / 5 | 0.4

2277 5 / 30 | 0.3

1260 20 / 5 | 0.8

1262 25

1741 10 / 5 | 0.2

25 / 20 | 0.1 1740

2278 20 / 5 | 0.5

1261 10 / 15 | 0.5

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

57° 00'

127° 00'

94 E 13 | 94 E 14
94 E 12 | 94 E 11
94 E 6 | 94 E 7
94 E 3 | 94 E 2 | 94 E 1
94 D 16
94 D 9
94 D 8

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LEGEND

○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

2.0 / 35 — -20 MESH Au (H.M.F.) IN P.P.B. / -100 MESH Au IN P.P.B.

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(H.M.F.) HEAVY MINERAL FRACTION

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DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

1 : 50,000

metres 1000 0 1000 2000 3000 metres

SCALE

mile 1 1/2 0 1 mile

MILES

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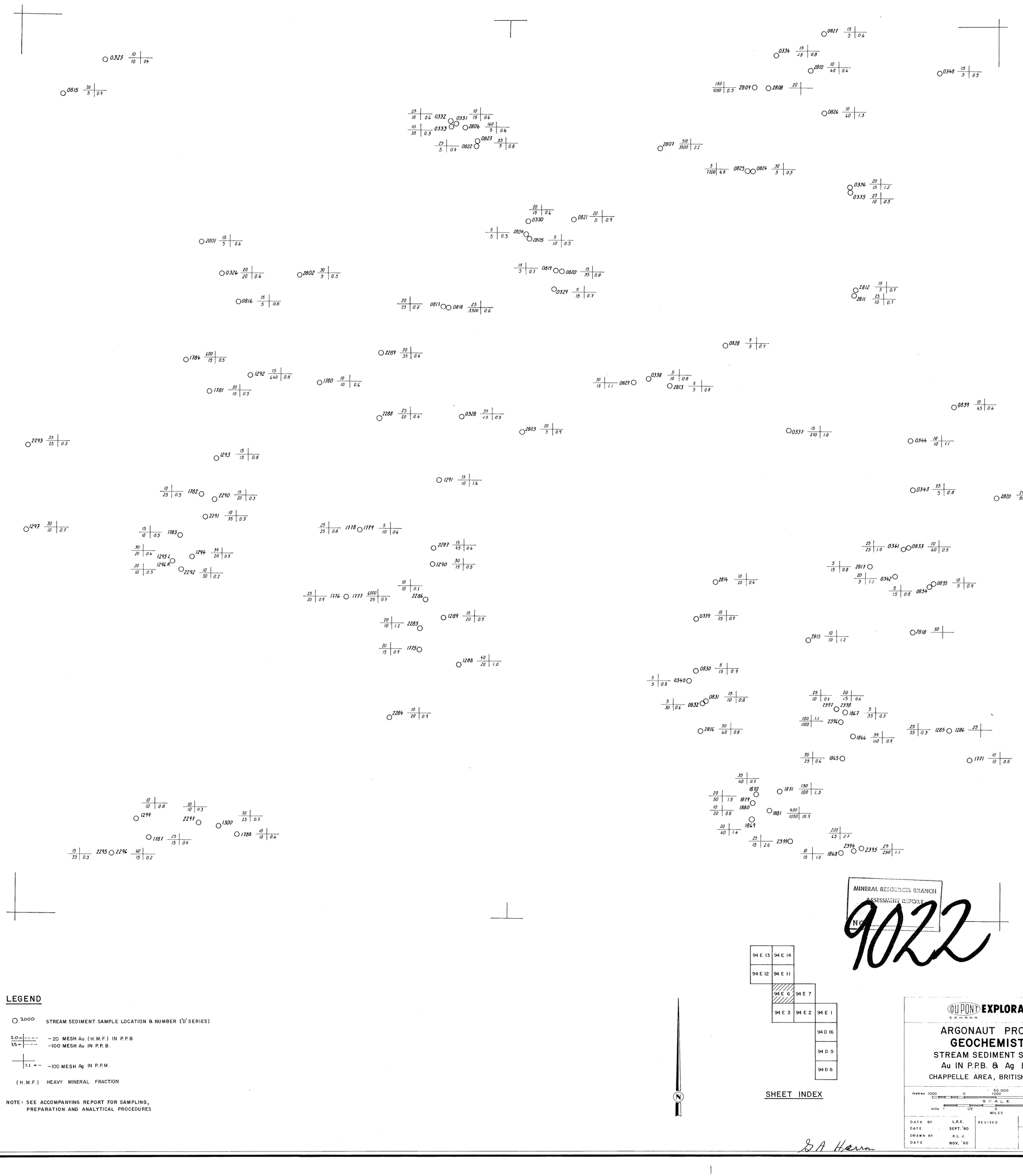
DATE	NOV. '80		

D. A. Harron



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

LEGEND

- ○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)
- 20 / 35 — −20 MESH Au (H.M.F.) IN P.P.B. / −100 MESH Au IN P.P.B.
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DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

SCALE: 1 : 50 000 — metres 1000 0 1000 2000 3000 metres — mile 1 1/2 0 1 mile — 0 MILES

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DATE	SEPT. '80		ACCT No. 347 - 08
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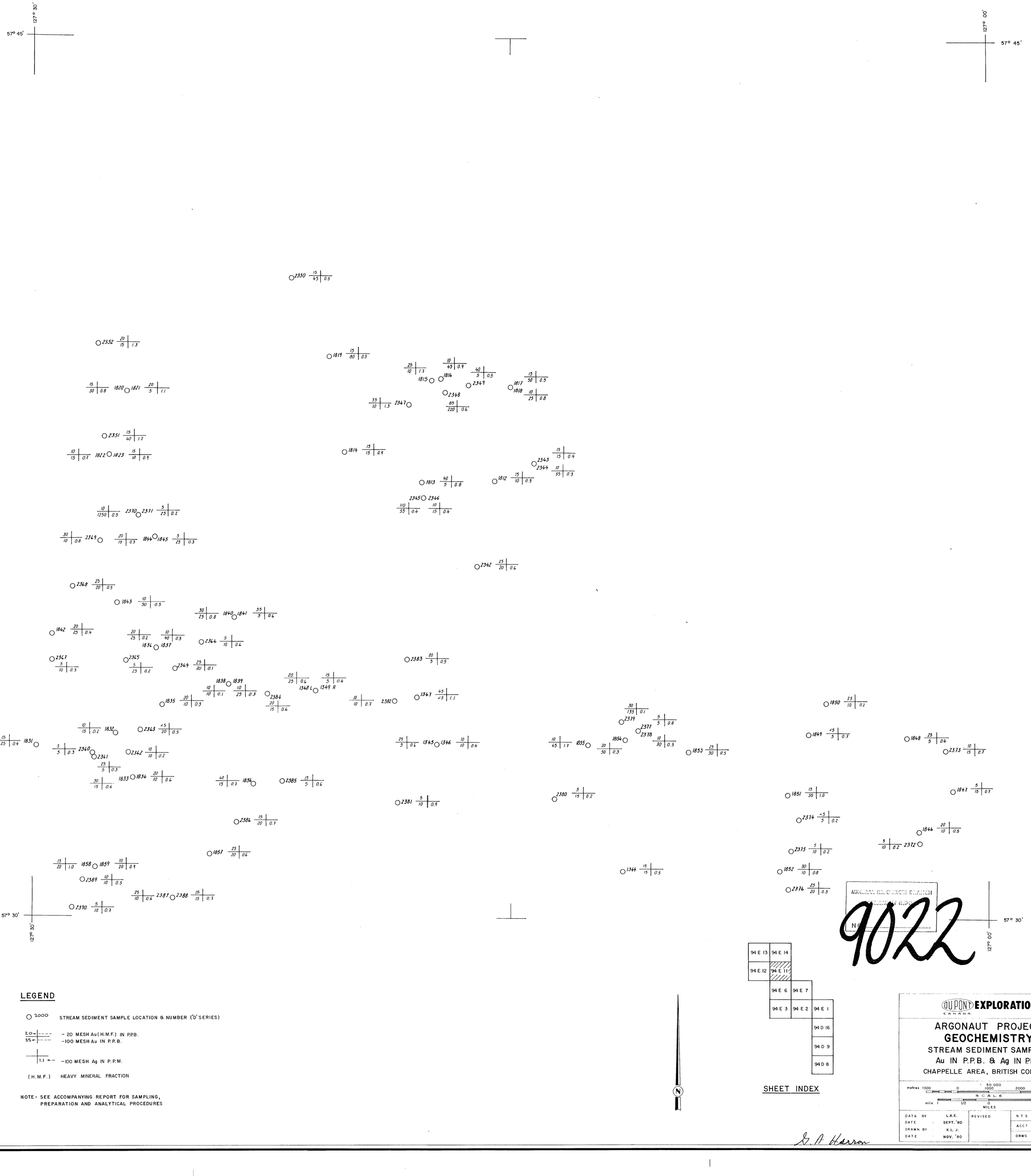
DATE	NOV. '80		

G.A. Herron



LEGEND

- 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)
- 20 / 35 — −20 MESH Au (H.M.F.) IN P.P.B. / −100 MESH Au IN P.P.B.
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NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

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94 E 13	94 E 14			
94 E 12	94 E 11			
	94 E 6	94 E 7		
	94 E 3	94 E 2	94 E 1	
			94 D 16	
			94 D 9	
			94 D 8	

DU PONT CANADA **EXPLORATION**

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

SCALE 1 : 50,000
metres 1000 0 1000 2000 3000 metres
mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N.T.S. No.: 94 E 11
DATE	SEPT. '80		ACCT. No.: 347-08
DRAWN BY	K.L.J.		DRWG. No.: AR. 80-47
DATE	NOV. '80		

D. A. Herron

128° 00'
57° 45'

127° 30'
57° 45'

1796 35/35/0.3

2323 10/550/0.9

1824 15/5/0.7
1825 20/15/1.1
40/10/0.5 1826
15/35/0.4 2354
2353 10/5/0.9

2355 5/5/0.2

1828 25/25/0.4
1829 5/5/0.6

2356 20

1827 20/15/0.4

2357 5/5/0.4

1830 25/20/0.3

2358 15/45/0.5
2359 35/10/0.5

1860 15/20/0.9

57° 30'
128° 00'

57° 30'
127° 30'

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

LEGEND

- ○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)
- 20/35 — -20 MESH Au (H.M.F.) IN P.P.B. / -100 MESH Au IN P.P.B.
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- (H.M.F.) — HEAVY MINERAL FRACTION

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

SHEET INDEX

94 E 13	94 E 14
94 E 12	94 E 11
94 E 6	94 E 7
94 E 3	94 E 2
94 E 1	
94 D 16	
94 D 9	
94 D 8	

N

D. A. Harron

DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

metres 1000 0 1000 2000 3000 metres
1 : 50 000
SCALE
mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N.T.S. No.: 94 E 12
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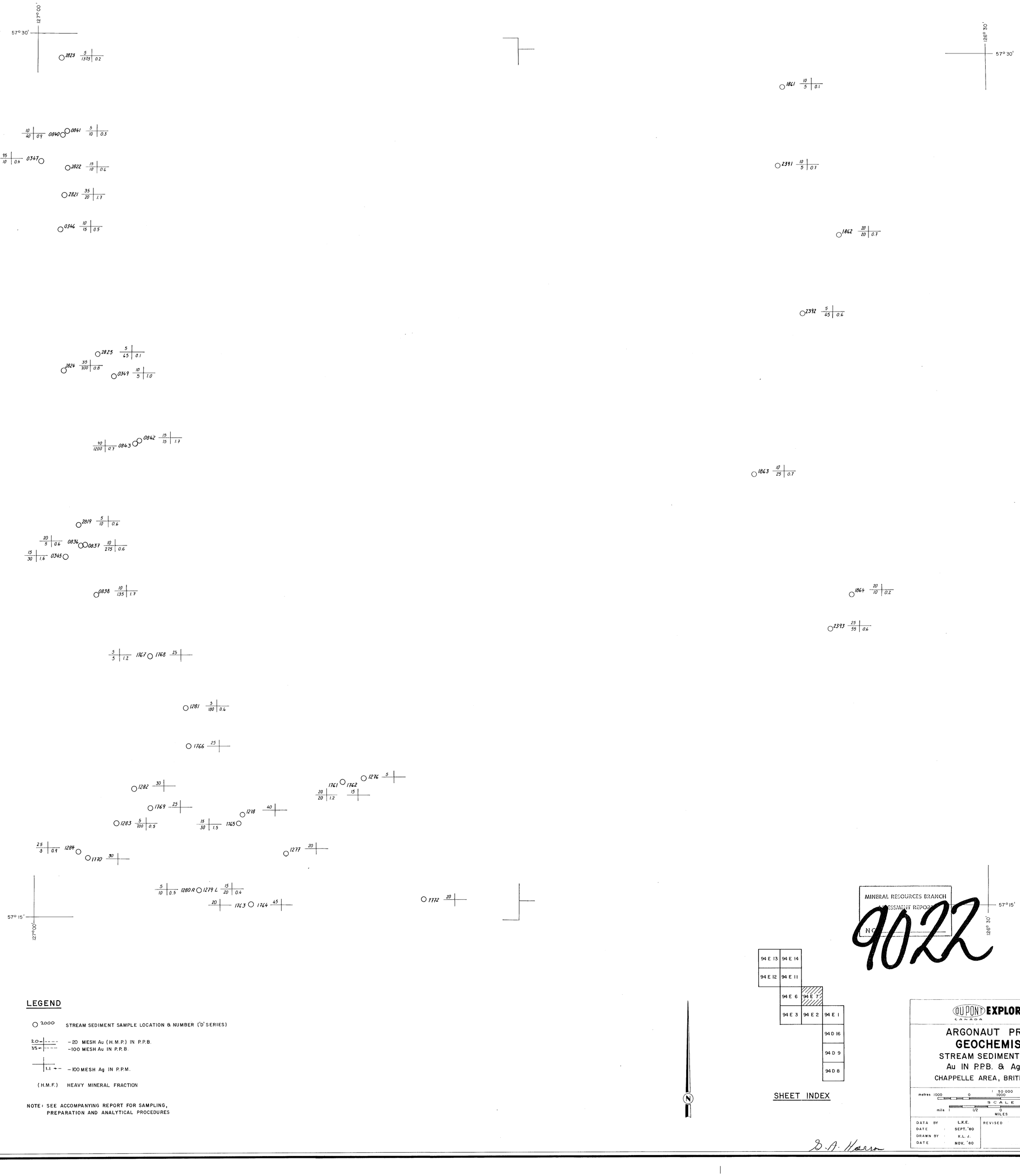
DATE	NOV. '80		



LEGEND

- ○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)
- 20 / 35 — −20 MESH Au (H.M.F.) IN P.P.B. / −100 MESH Au IN P.P.B.
- 1.1 — −100 MESH Ag IN P.P.M.
- (H.M.F.) HEAVY MINERAL FRACTION

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

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94 E 13	94 E 14	
94 E 12	94 E 11	
	94 E 6	94 E 7
	94 E 3	94 E 2	94 E 1
			94 D 16
			94 D 9
			94 D 8

DUPONT EXPLORATION CANADA

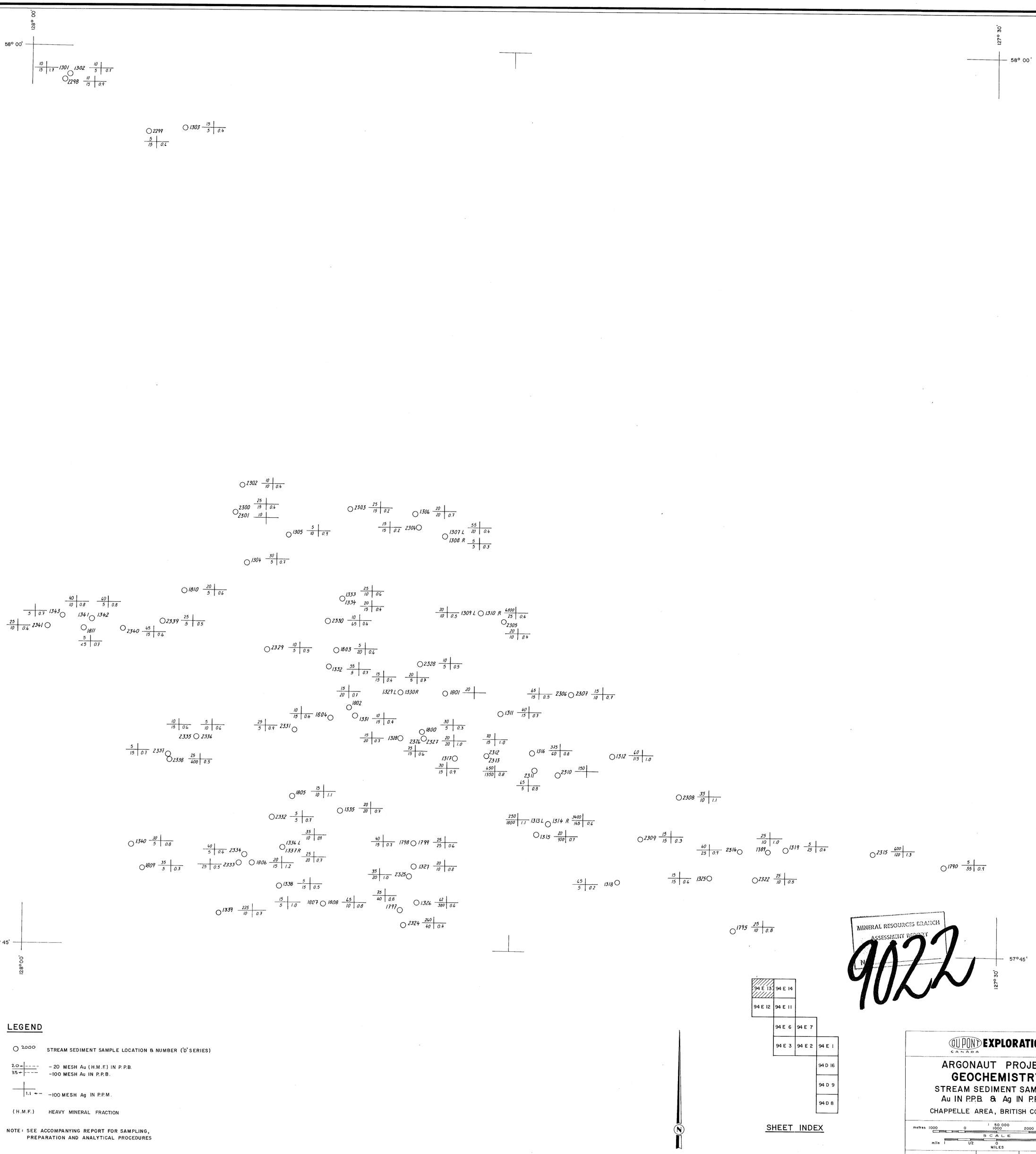
ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

SCALE 1 : 50,000
metres 1000 0 1000 2000 3000 metres
mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N.T.S. No.: 94 E 7
DATE	SEPT. '80		ACCT No.: 347-08
DRAWN BY	K.L.J.		DRWG. No.: AR. 80-46
DATE	NOV. '80		

D. A. Harron

128° 00'
58° 00'
127° 30'
58° 00'
57° 45'
128°00'
57° 45'
127° 30'



LEGEND

○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

2.0 — −20 MESH Au (H.M.F.) IN P.P.B.
35 — −100 MESH Au IN P.P.B.

1.1 — −100 MESH Ag IN P.P.M.

(H.M.F.) HEAVY MINERAL FRACTION

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9022

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DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

SCALE 1 : 50,000
metres 1000 0 1000 2000 3000 metres
mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N.T.S. No. 94 E 13
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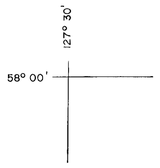
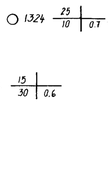
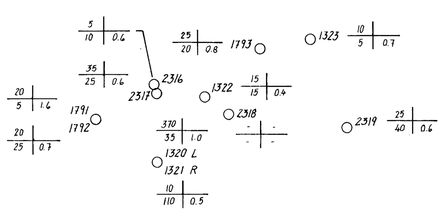
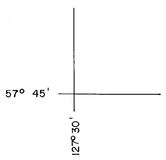
DATE	NOV. '80		

D A Herron





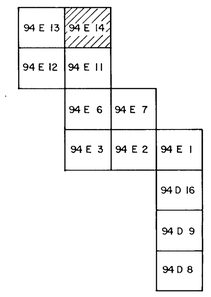




LEGEND

- ○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)
- 20 / 35 — −20 MESH Au (H.M.F.) IN P.P.B. / −100 MESH Au IN P.P.B.
- 1.1 — −100 MESH Ag IN P.P.M.
- (H.M.F.) HEAVY MINERAL FRACTION

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES



SHEET INDEX

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO.
9022

DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
Au IN P.P.B. & Ag IN P.P.M.
CHAPPELLE AREA, BRITISH COLUMBIA

SCALE 1 : 50,000
metres 1000 0 1000 2000 3000 metres
mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N.T.S. No.: 94 E 14 W
DATE	SEPT. '80		ACCT No. 347-08
DRAWN BY	K.L.J.		DRWG. No.: AR. 80-50
DATE	NOV. '80		

D. A. Horton

126° 30'
56° 30'
126° 00'
56° 30'

1/73 | 5/13.44 0801 | 16/80 | 5/7.18 0802
2/54 | 4/12.34 0281
1/10 | 3/9.24 2760
2759 | 10/81 | 7/11.93
10/68 | 10/19.64 0282
20/89 | 7/13.84 0283
0804 | 3/60 | 3/10.03
34/104 | 4/15.38 0803
2761
33/98 | 4/8.51
2758 9.06
9/120 | 3/12.71 2751
0279 | 20/340 | 10/5.37
15/55 | 4/3.70 0278
2755 | 13/12 | 1/11.85
11/58 | 2/2.50 0798
0280 | <1/54 | 5/11.63
0800 | 6/43 | 8/11.02
0799 | 6/104 | 9/6.93
3/38 | 19/4.99 2756
2754 | 24/85 | 4/10.00
28/80 | 3/3.55 0275
21/79 | 9/9.41 0795
0796 | 3/10 | 7/12.23
0276 | 4/82 | 4/2.50
18/62 | 5/8.80 2753
0797
3/72 | 9/9.73 0277
9/78 | 1/9.25
12/62 | 8/5.75 2750
15/16 | 16/2.53 0793
0794 | 5/68 | 8/1.32
1/108 | 10/4.21 0791
0792 | 7/109 | 10/4.27
6/39 | 4/6.43 2749
2748 | <1/83 | 5/9.16
19/91 | 4/14.30 2779
2780 | 7/100 | 4/8.54
5/51 | 12/11.59 2777
0298 | 1/100 | 8/17.88
2769 | 5/344 | 5/9.33
<1/95 | 2/5.13 2778
<1/110 | 4/18.99 2768
0812 | 9/67 | 2/14.57
0814 | 6/79 | 3/16.61
<1/85 | 5/8.13 0813
0290 | 3/68 | 3/2.50
0291 | <1/69 | 1/19.59
0811 | <1/171 | 5/8.35
2767 | 4/120 | 14/14.81
0289 | 2/112 | 10/16.10
0810 | 6/93 | 5/9.41
2766 | <1/70 | 2/13.32
0285 | <1/69 | 4/2.50
2764 | 7/80 | 3/23.53
2762 | 40/103 | 2/8.21
7/99 | 4/2.50 0284
2763 | 20/85 | 12/20.06
4/59 | 6/12.95 0805
0806 | 3/60 | 12/12.36
2751 | 2/60 | 2/6.83
<1/43 | 13/20.27 0807
0808 | 6/82 | 3/15.07
5/167 | 9/11.18 0286
0287 | 8/220 | 4/22.84
0809
3/127 | 6/21.45 0288
2765 | 2/172 | 8/21.66
0274 | <1/71 | 5/3.03
0273 | 4/165 | 10/11.43
0271 | 9/61 | 4/12.5
0790 | 8/66 | 9/11.95
0212 | <1/142 | 4/18.77
0210 | 2/80 | 4/7.66
0789 | 2/88 | 8/9.46
2746 | 29/100 | 5/10.57
15/40 | 4/11.96 2745
2744 | 31/67 | 4/7.34
0788 | 68/32 | 2/6.90
0269 | 29/72 | 7/7.16
22/44 | 6/30.87 2747
12/43 | 9 0786
0781 | 9/57 | 6/13.02
0268 | 14/48 | 1/12.41

56° 15'
126° 30'
126° 00'
56° 15'

LEGEND

○ 2000 STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

2.0 +---- -100 MESH As IN P.P.M.
35 +---- -100 MESH Cu IN P.P.M.

2.5 +- -100 MESH Pb IN P.P.M.
1.1 +- -20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

94 E 13	94 E 14		
94 E 12	94 E 11		
	94 E 6	94 E 7	
	94 E 3	94 E 2	94 E 1
			94 D 16
			94 D 9
			94 D 8

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N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO 9022

DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MINERAL
CHAPPELLE AREA, BRITISH COLUMBIA

metres 1000 0 1000 2000 3000 metres
1 : 50,000
SCALE
mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N.T.S. No: 94 D 8
DATE	SEPT. '80		ACCT No. 347-08
DRAWN BY	K.L.J.		DRWG No: AR. 80-51
DATE	NOV. '80		

R. A. Herron

126° 30'
56° 45'
126° 00'
56° 45'

0256 17.53

0775 <1/32 | 1/9.66

0257 27.90 | 19/60 | 2/5.06

0777

0776 2/168 | 3/24.19

15.86 0781 0782 12.28

0258 21.14

0262 18.65

28.75 0263

11.95 0260 0261 30.69

0259 14.96

11.65 0779 0780 12.21

0778 6.69

4/55 | 25/15.82 0327 0326 5/300 | 16/19.38

2800 <1/41 | 4/11.53

14.95 0783 0264 17.30

0265 13.16

0266 20.24

17.38 0785 0784 11.84

0319 11/72 | 7/11.05

0317 <1/40 | 3/8.71

2794 9/48 | 9/11.56

2798 12.91

7/38 | 4/15.01 2795 2796 4/90 | 15/12.42

0318 <1/102 | 13/19.33

0320 4/79 | 7/13.58

4/53 | 2/22.45 2797

2799 <1/51 | 7/29.59

<1/33 | 4/11.55 0314 0316 0315 <1/48 | 1/28.49

<1/26 | 5/22.65

8/52 | 6/1.06 2792 2793 9/113 | 9/34.70

0303 3/129 | 11/4.09

0267 48.60

0304 <1/135 | 4/23.12

2784 6/209 | 8/0.48

2/520 | 5/16.31 0312 0313

2785 <1/114 | 7/6.81

<1/54 | 9/10.25 0305

<1/110 | 1/20.45 0302

2/93 | 2/14.24 2786 2788 6/100 | 15/27.69 0307 2/68 | 7/14.76 0306 0311 5/94 | 5/15.96

8/84 | 13/10.31 2787 8/107 | 11/17.26

2791 1/150 | 10/15.90

<1/116 | 9/23.17 0321

<1/80 | 3/25.83 0322 0325 4/74 | 14/17.22

9/53 | 3/21.34 0294 0292 <1/54 | 6/14.09

0293 3/137 | 14/15.82

6/96 | 5/25.81 2782 2783 7/108 | 14/8.61

9/114 | 11/19.89 0301

2/86 | 2/24.89 2772 2771 10/540 | 17.31

2770 <1/44 | 2/3.82

<1/84 | 16/3.06 2781 0300 <1/68 | 8/19.47

2789 4/107 | 21/14.54

5/238 | 18/31.45 0308 0309 <1/80 | 18/21.82

2773 2/32 | 8/6.46

0299 16/228 | 7/2.07

2790 1/150 | 10/15.90

0310 6/100 | 3/22.17

8/50 | 2/29.54 2774

0297 2/18 | 12/9.29

4/75 | 4/16.16 0295 0296 <1/12 | 2/24.97

2775 7/58 | 10/15.52

11/18 | 18/5.45 2776

56° 30'
126° 30'

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

56° 30'
126° 00'

LEGEND

○ 2000 STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

20 / 35 -100 MESH As IN P.P.M. / -100 MESH Cu IN P.P.M.

25 / 1.1 -100 MESH Pb IN P.P.M. / -20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

N

94 E 13	94 E 14		
94 E 12	94 E 11		
	94 E 6	94 E 7	
	94 E 3	94 E 2	94 E 1
			94 D 16
			94 D 9
			94 D 8

SHEET INDEX

DU PONT CANADA EXPLORATION

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MINERAL
CHAPPELLE AREA, BRITISH COLUMBIA

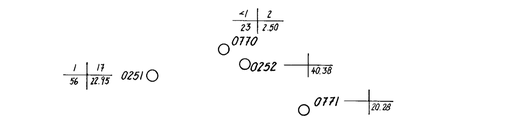
SCALE
metres 1000 0 1000 2000 3000 metres
50,000
mile 1 0 1/2 1 mile
MILES

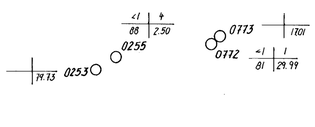
DATA BY	L.K.E.	REVISED	NTS No. 94 D 9
DATE	SEPT. '80		ACCT No. 347-08
DRAWN BY	R.L.J.		DRWG No. AR. 80-52
DATE	NOV. '80		

D. A. Harron

126° 30'

57°00'





56°45'

126° 30'

LEGEND

○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

20 +---- — -100 MESH As IN P.P.M.
35 +---- — -100 MESH Cu IN P.P.M.

25 + — -100 MESH Pb IN P.P.M.
1.1 + — -20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

N

SHEET INDEX

94 E 13	94 E 14			
94 E 12	94 E 11			
	94 E 6	94 E 7		
	94 E 3	94 E 2	94 E 1	
			94 D 16	
			94 D 9	
			94 D 8	

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO.
9022

DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MINERAL
CHAPPELLE AREA, BRITISH COLUMBIA

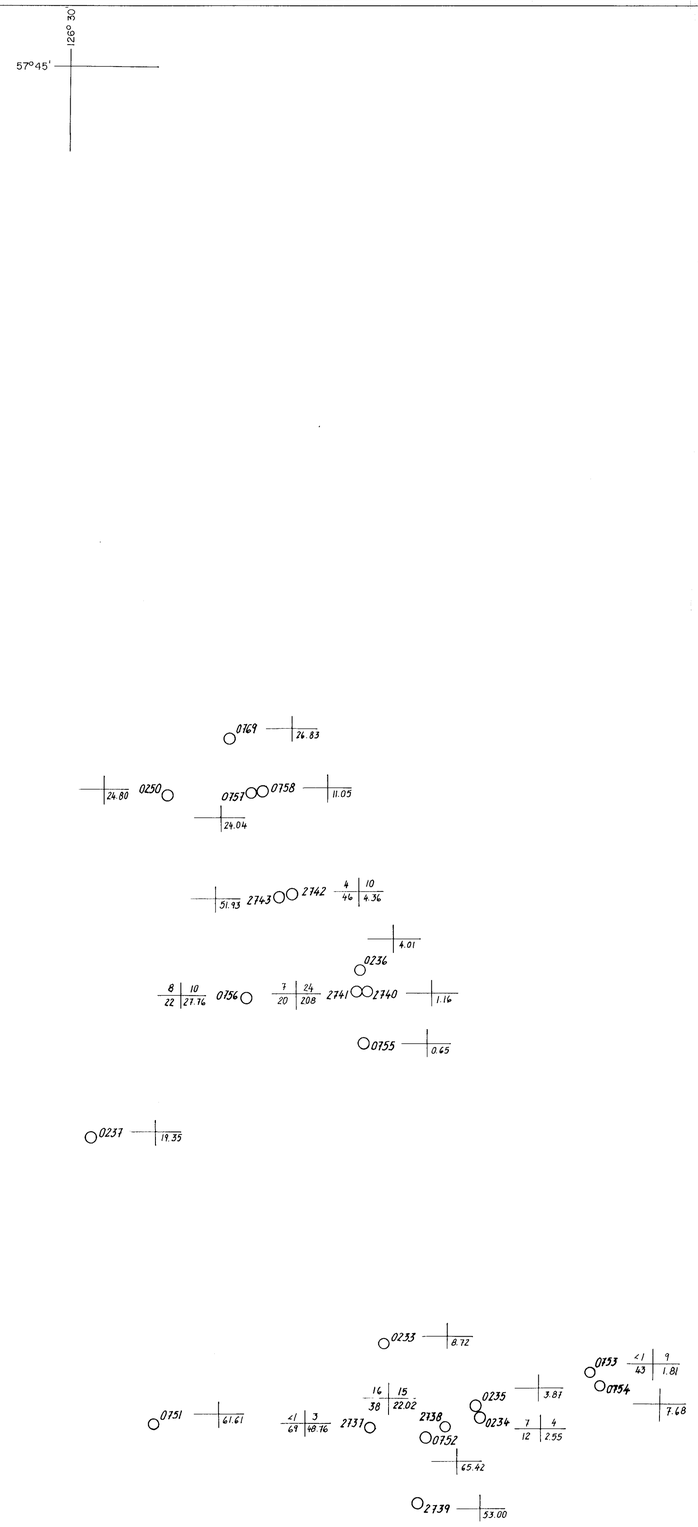
metres 1000 0 1 50 000 1000 2000 3000 metres

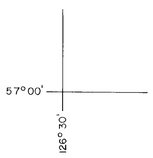
SCALE

mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N.T.S No.: 94 D 16
DATE	SEPT. '80		ACCT No.: 347-08
DRAWN BY	K.L.J.		DRWG No.: AR. 80-53
DATE	NOV. '80		

D. A. Harron





LEGEND

○ 2000 STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

20 – –100 MESH As IN P.P.M.
35 – –100 MESH Cu IN P.P.M.

25 – –100 MESH Pb IN P.P.M.
1.1 – –20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

94 E 13	94 E 14		
94 E 12	94 E 11		
	94 E 6	94 E 7	
	94 E 3	94 E 2	94 E 1
			94 D 16
			94 D 9
			94 D 8

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MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

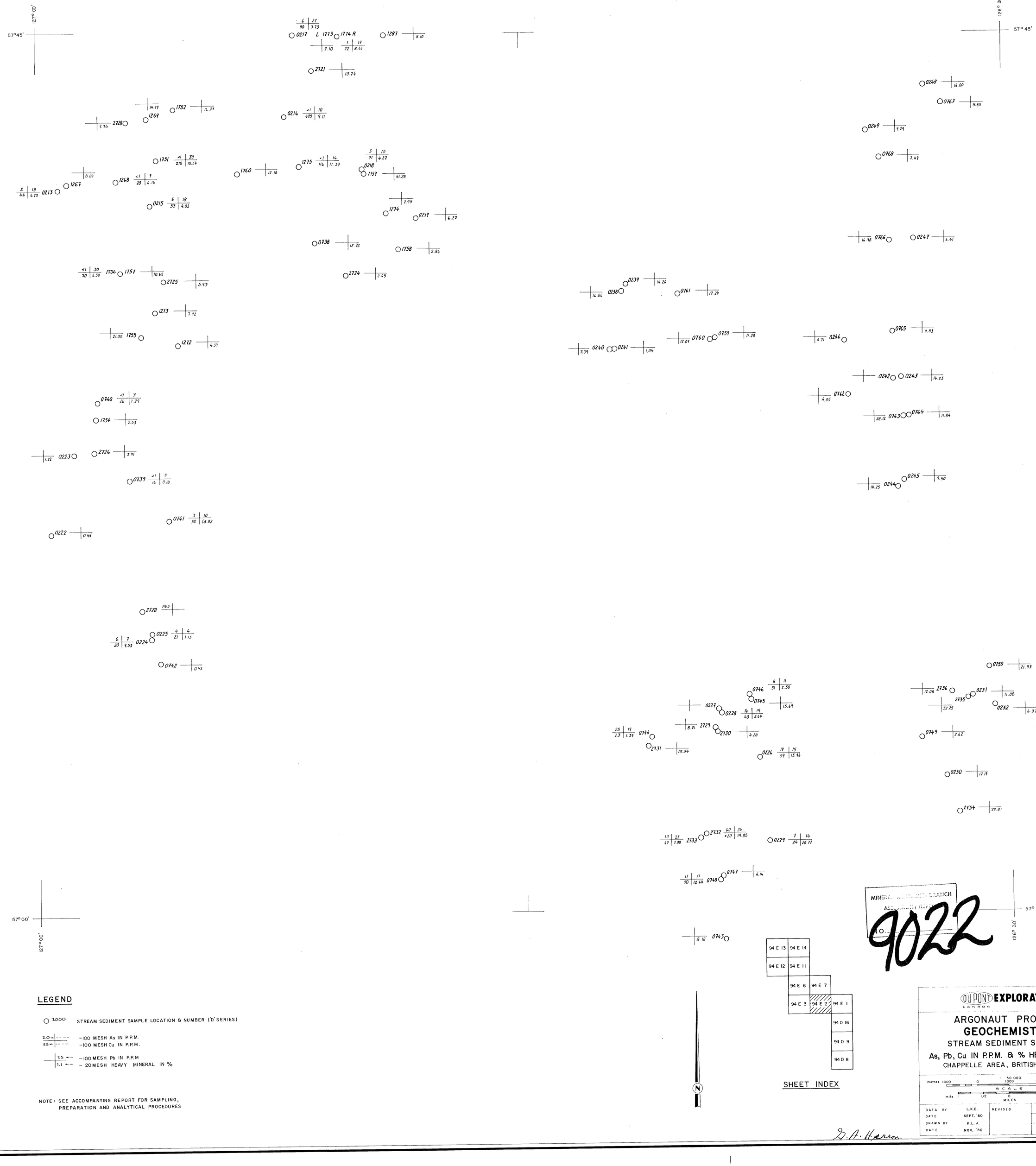
DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MINERAL
CHAPPELLE AREA, BRITISH COLUMBIA

SCALE 1 : 50 000
metres 1000 0 1000 2000 3000 metres
miles 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N.T.S No.: 94 E 1
DATE	SEPT. '80		ACCT No. 347-08
DRAWN BY	K.L.J.		DRWG No.: AR. 80-54
DATE	NOV. '80		

D. A. Harron



LEGEND

○ 2000 STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

20+ ---
35+ ---
-100 MESH As IN P.P.M.
-100 MESH Cu IN P.P.M.

25+
1.1+
-100 MESH Pb IN P.P.M
- 20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

SHEET INDEX

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

DU PONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MINERAL
CHAPPELLE AREA, BRITISH COLUMBIA

metres 1000 0 1000 2000 3000 metres
SCALE
mile 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	NTS No. 94 E 2
DATE	SEPT. '80		ACCT No. 347-08
DRAWN BY	K.L.J.		DRWG No. AR. 80-55
DATE	NOV. '80		

D. A. Herron

127° 00'

57° 15'

2283 | 0.71

10.99 | 1747 | 1748 | 0.48

1266 | 4 / 19 | 8 / 1.43

2282 | 6 / 28 | 5 / 0.11

0.15 | 1745 | 1746 | <1 / 14 | 4 / 0.34

1749 | 15.38

11 / 20 | 4 / 4.07 | 1265

2281 | 0.18

1750 | 2.37

1744 | 0.11

1270 | 3.45

1264 | 14 / 30 | 10 / 0.08

2274 | <1 / 48 | 22 / 0.14

2280 | 11 / 25 | 10 / 0.12

1753 | <1 / 27 | 9 / 2.62

1737 | 1 / 18 | 8 / 0.12

2275 | 2 / 22 | 13 / 0.28

2727 | 9 / 25 | 11 / 0.12

1743 | 5 / 22 | 7 / 0.14

4 / 19 | 13 / 0.13 | 1738 | 1258 | 6 / 28 | <0.05

1263 | 8 / 32 | 10 / 2.10

1259 | 12 / 28 | 8 / 0.20

1739 | 6 / 34 | 10 / 0.18

2279 | <1 / 35 | 21 / 0.44

1742 | 0.17

2276 | 13 / 18 | 4 / <0.05

2277 | 7 / 28 | 7 / 20.45

1260 | <1 / 22 | 6 / <0.05

1262 | 0.25

1741 | <1 / 21 | 14 / 0.17

<1 / 15 | 4 / 0.12 | 1740

2278 | 2 / 22 | 8 / 0.17

1261 | 9 / 23 | 7 / 0.07

LEGEND

○ 2000 — STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

20 — −100 MESH As IN P.P.M.
35 — −100 MESH Cu IN P.P.M.

2.5 — −100 MESH Pb IN P.P.M.
1.1 — −20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

MINER... ASSESSMENT ...CH
NO. 9022

57° 00'

127° 00'

SHEET INDEX

94 E 13	94 E 14		
94 E 12	94 E 11		
	94 E 6	94 E 7	
	94 E 3	94 E 2	94 E 1
			94 D 16
			94 D 9
			94 D 8

DU PONT CANADA EXPLORATION

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MINERAL
CHAPPELLE AREA, BRITISH COLUMBIA

metres 1000 0 1000 2000 3000 metres — 1 : 50 000
SCALE
mile 1 1/2 0 1 mile — MILES

DATA BY	L.K.E.	REVISED	N.T.S. No.: 94 E 3
DATE	SEPT. '80		ACCT. No. 347-08
DRAWN BY	K.L.J.		DRWG. No.: AR. 80-56
DATE	NOV. '80		

D. A. Harron

LEGEND

○ 2000 STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

20 — -100 MESH As IN P.P.M.
35 — -100 MESH Cu IN P.P.M.

25 — -100 MESH Pb IN P.P.M.
1.1 — -20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

94 E 13	94 E 14	
94 E 12	94 E 11	
	94 E 6	94 E 7
94 E 3	94 E 2	94 E 1
		94 D 16
		94 D 9
		94 D 8

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MINERAL ... BRANCH
AS... REPORT
NO

9022

DUPONT EXPLORATION
CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MINERAL
CHAPPELLE AREA, BRITISH COLUMBIA

1 : 50 000
metres 1000 0 1000 2000 3000 metres
SCALE
mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	NTS No	94 E 6
DATE	SEPT. '80		ACCT No	347-08
DRAWN BY	K.L.J.		DRWG No	AR. 80-57
DATE	NOV. '80			

D.A. Herron

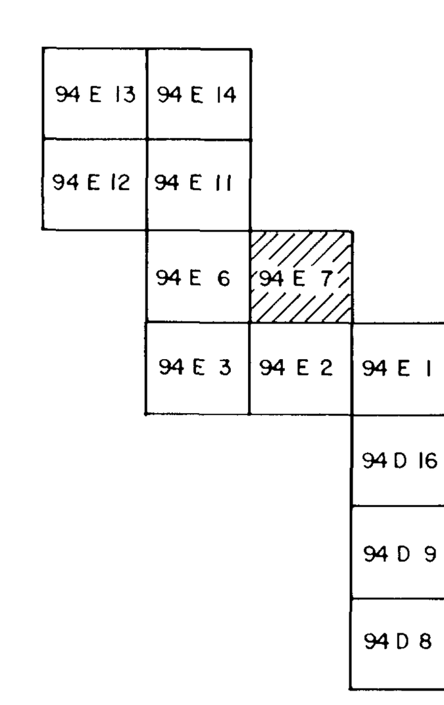
LEGEND

○ 2000 STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

20 ← -100 MESH As IN P.P.M.
35 ← -100 MESH Cu IN P.P.M.

25 ← -100 MESH Pb IN P.P.M
1.1 ← - 20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES



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DUPONT CANADA **EXPLORATION**

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MIN.
CHAPPELLE AREA, BRITISH COLUMBIA

1 : 50 000
metres 1000 0 1000 2000 3000 metres
SCALE
mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N T S No.: 94 E 7
DATE	SEPT. '80		ACCT No.: 347-08
DRAWN BY	K.L.J.		DRWG. No.: AR. 80-58
DATE	NOV. '80		

57° 45'
127° 30'
127° 00'
57° 45'

2350 11/88 | 19/4.18

2352 15/134 | 45/3.07

1819 52/60 | 10/5.76

9/101 | 32/4.29
13/114 | 15/8.02
9/108 | 14/9.41
18/175 | 11/13.85
23/300 | 25/1.54
1815 1816 2349 1817 1818 2348
9/32 | 29/3.95 2347
16/102 | 25/2.22

2/36 | 13/7.30 1820 1821 23/118 | 28/6.79

2351 16/112 | 33/3.44

9/120 | 50/3.60 1822 1823 8/97 | 34/2.24

1814 5/49 | 18/5.61

5/24 | 15/2.52
2343
2344 11/55 | 7/12.54
1813 12/58 | 18/1.32 1812 4/28 | 5/1.37
2345 2346
10/64 | 32/2.67 10/20 | 4/3.18

14/82 | 10/4.34 2370 2371 7/74 | 19/5.52

11/40 | 50/5.15 2349 11/104 | 12/5.47 1844 1845 9/120 | 9/4.01

2342 8/37 | 33/0.62

2368 3/30 | 30/5.53

1843 13/600 | 19/11.33

5/52 | 18/21.69 1840 1841 9/47 | 25/7.04

1842 9/28 | 17/9.52

14/40 | 4/14.28
21/132 | 3/47.41
1836 1837
2346 <1/75 | 4/12.81

2347 11/22 | 14/12.28
2365 7/24 | 12/11.35
2364 8/23 | 5/1.62
2383 1/19 | 21/3.31

24/12 | 20/21.05
43/22 | 24/4.49
1838 1839 1348L 1349 R
3/14 | 6/15.18
9/32 | 11/8.40
2384 12/32 | 24/14.13
1835 17/24 | 7/12.06
8/9 | 19/9.51 2382
1347 8/14 | 56/17.92

4/11 | 3/17.39 1832
2343 7/22 | 10/3.68
26/113 | 17/5.35 1831
17/29 | 10/4.22 2340
2341
2342 <1/90 | 6/21.23
1/63 | 14/42.40 1345 1346 19/35 | 18/11.93
13/84 | 11/4.64
8/60 | 14/13.11 1833 1834 36/35 | 20/5.79
5/16 | 21/41.96 1856
2385 <1/11 | 9/48.67
2381 22/11 | 2/2.52
2386 6/16 | 23/20.11
1857 11/16 | 18/0.44
<1/19 | 28/13.52 1858 1859 9/20 | 23/5.13
2389 11/17 | 18/8.44
<1/17 | 11/1.44 2387 2388 1/24 | 4/4.11
2390 18/13 | 32/22.92

57° 30'
127° 30'

13/48 | 3/5.11
2379
11/104 | 141/10.98
2377
2378 18/126 | 44/6.88
4/35 | 170/1.10 1854 1855 11/105 | 52/6.98
1853 5/242 | 44/3.66
2380 6/49 | 32/2.54
1344 26/16 | 14/0.71

1850 1/118 | 22/5.04
1849 10/139 | 37/4.41
1848 3/29 | 13/0.43
2373 16/33 | 13/6.00
1851 7/48 | 59/4.03
1847 24/71 | 24/2.34
2374 11/40 | 32/5.43
1846 140/349 | 35/4.38
10/59 | 2/17.93 2372
2375 9/14 | 2/7.74
1852 45/40 | 25/10.00
2376 12/59 | 29/4.82

57° 30'
127° 00'

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9022

LEGEND

○ 2000 STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

2.0 – ---- –100 MESH As IN P.P.M.
35 – ---- –100 MESH Cu IN P.P.M.

2.5 – –100 MESH Pb IN P.P.M.
1.1 – –20 MESH HEAVEY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

94 E 13	94 E 14		
94 E 12	94 E 11		
	94 E 6	94 E 7	
	94 E 3	94 E 2	94 E 1
			94 D 16
			94 D 9
			94 D 8

SHEET INDEX

N

DU PONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MIN.
CHAPPELLE AREA, BRITISH COLUMBIA

metres 1000 0 1:50,000 1000 2000 3000 metres
SCALE
mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N T S No.: 94 E 11
DATE	SEPT. '80		ACCT No. 347-08
DRAWN BY	K.L.J.		DRWG No.: AR. 80-59
DATE	NOV. '80		

D. A. Harron

128° 00'

57° 45'

127° 30'

57° 45'

1796 9/15 | 11/1.84

2323 21/24 | 14/3.97

1824 15/80 | 21/6.73

1825 4/28 | 45/5.58

41/52 | 41/3.74 1826

15/32 | 25/1.23 2354

2353 14/18 | 29/4.53

2355 3/20 | 14/7.49

1828 9/24 | 22/3.57

1829 41/15 | 5/1.08

2356 /2.07

1827 4/44 | 17/5.87

2357 8/28 | 14/7.44

1830 14/100 | 8/3.80

2358 27/19 | 17/1.81

2359 27/20 | 22/3.56

1860 15/20 | 21/5.30

57° 30'

128° 00'

LEGEND

○ 2000 STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

2.0 / 35 – 100 MESH As IN P.P.M.
– 100 MESH Cu IN P.P.M.

25 / 1.1 – 100 MESH Pb IN P.P.M.
– 20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9022

57° 30'

127° 30'

94 E 13	94 E 14		
94 E 12	94 E 11		
	94 E 6	94 E 7	
	94 E 3	94 E 2	94 E 1
			94 D 16
			94 D 9
			94 D 8

SHEET INDEX

N

D. A. Harron

DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MINERAL
CHAPPELLE AREA, BRITISH COLUMBIA

metres 1000 0 1 50 000 1000 2000 3000 metres

SCALE

mile 1 1/2 0 1 mile
MILES

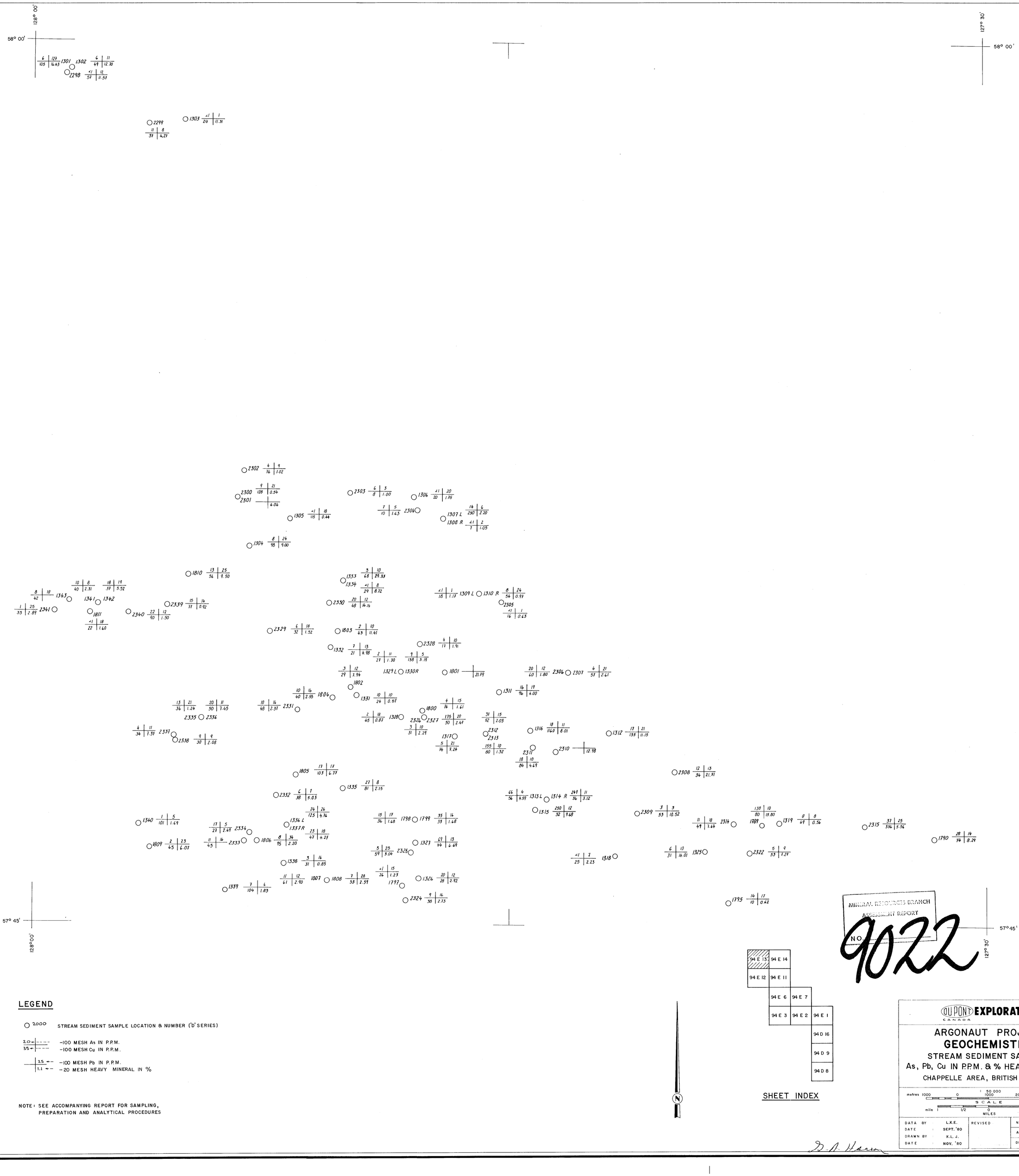
DATA BY	L.K.E.	REVISED	N.T.S. No. 94 E 12
DATE	SEPT. '80		ACCT. No. 347-08
DRAWN BY	K.L.J.		DRWG No. AR. 80-60
DATE	NOV. '80		

128° 00'

58° 00'

127° 30'

58° 00'



128°00'

57° 45'

57° 45'

127° 30'

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

LEGEND

○ 2000 STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

2.0 / 35 — −100 MESH As IN P.P.M. / −100 MESH Cu IN P.P.M.

25 / 1.1 — −100 MESH Pb IN P.P.M. / −20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES

N

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94 E 13	94 E 14	
94 E 12	94 E 11	
94 E 6	94 E 7	
94 E 3	94 E 2	94 E 1
		94 D 16
		94 D 9
		94 D 8

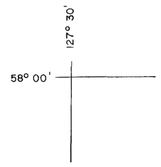
DUPONT EXPLORATION CANADA

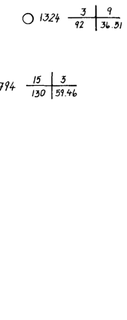
ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MINERAL
CHAPPELLE AREA, BRITISH COLUMBIA

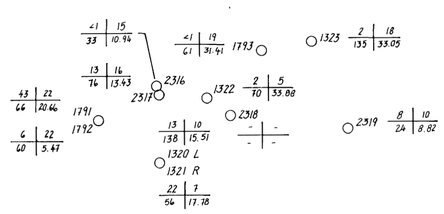
metres 1000 0 1000 2000 3000 metres
SCALE 1 : 50,000
mile 1 1/2 0 1 mile
MILES

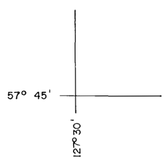
DATA BY	L.K.E.	REVISED	N.T.S. No.: 94 E 13
DATE	SEPT. '80		ACCT No. 347-08
DRAWN BY	K.L.J.		DRWG No.: AR. 80-61
DATE	NOV. '80		

D. A. Heron









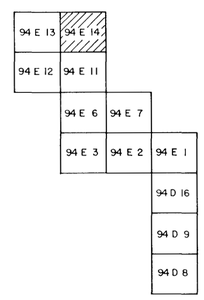
LEGEND

○ 2000 STREAM SEDIMENT SAMPLE LOCATION & NUMBER ('D' SERIES)

20 / 35 — -100 MESH As IN P.P.M. / -100 MESH Cu IN P.P.M.

25 / 1.1 — -100 MESH Pb IN P.P.M. / -20 MESH HEAVY MINERAL IN %

NOTE: SEE ACCOMPANYING REPORT FOR SAMPLING, PREPARATION AND ANALYTICAL PROCEDURES



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MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9022

DUPONT EXPLORATION CANADA

ARGONAUT PROJECT
GEOCHEMISTRY
STREAM SEDIMENT SAMPLES
As, Pb, Cu IN P.P.M. & % HEAVY MINERAL
CHAPPELLE AREA, BRITISH COLUMBIA

metres 1000 0 1000 2000 3000 metres
1 : 50,000
SCALE
mile 1 1/2 0 1 mile
MILES

DATA BY	L.K.E.	REVISED	N.T.S. No.: 94 E 14 W
DATE	SEPT. '80		ACCT No. 347-08
DRAWN BY	K.L.J.		DRWG No.: AR. 80-62
DATE	NOV. '80		

D. A. Harron