PLACER DEVELOPMENT LIMITED

A REPORT ON THE GEOCHEMICAL SURVEY AND GEOLOGICAL MAPPING OF PORTIONS OF THE ALFIE 1 TO 4 CLAIMS

OMINECA MINING DIVISION
NTS 94C/2W
Lat. 56°08'N; Long. 124°55'W

FOR: Placer Development Limited
BY: D.M. Jenkins, Ms.
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Introduction

This report summarizes the exploration work done to date. It treats in detail the geochemical survey of a portion of the property during 1980 and geological evaluation of previously known geochemical anomalies which were carried out concurrently. The data are presented on 1:5,000 scale maps.

Location & Access

The property is located at latitude 56°08'N; longitude 124°55'W on NTS map sheet 94C/2W, in the Omineca Mining Division of British Columbia (see Maps 1 and 2).

The Alfie claims are located 43 Km north of Germansen Landing and immediately south of the Osilinka River.

The property is on the north flank of a mountain range. Elevations range from approximately 1700 metres in the SW corner of Alfie 3 and fall to approximately 825 metres along the Osilinka River in the NE corners of Alfie 2 and Alfie 4. A line of cliffs and steep talus slopes which fall from the 1100 metre elevation to approximately 900 metres in elevation make working in much of Alfie 1, Alfie 2 and Alfie 4 hazardous and time consuming. Work in this area of severe topographic relief had been deferred until 1980 for this reason.

Access to the property is via the Omineca Mining Road from Germansen Landing to the Osilinka River crossing just north of the Uslika Lake, and thence along an exploration access road on the northern side of the Osilinka River to the end of the road approximately five kilometres east of the mouth of Wasi Creek. The Placer camp is approximately a two hour hike, south of the river at this point. Direct access to the property is by helicopter from Fort St. James, Mackenzie, or Lovell Cove.

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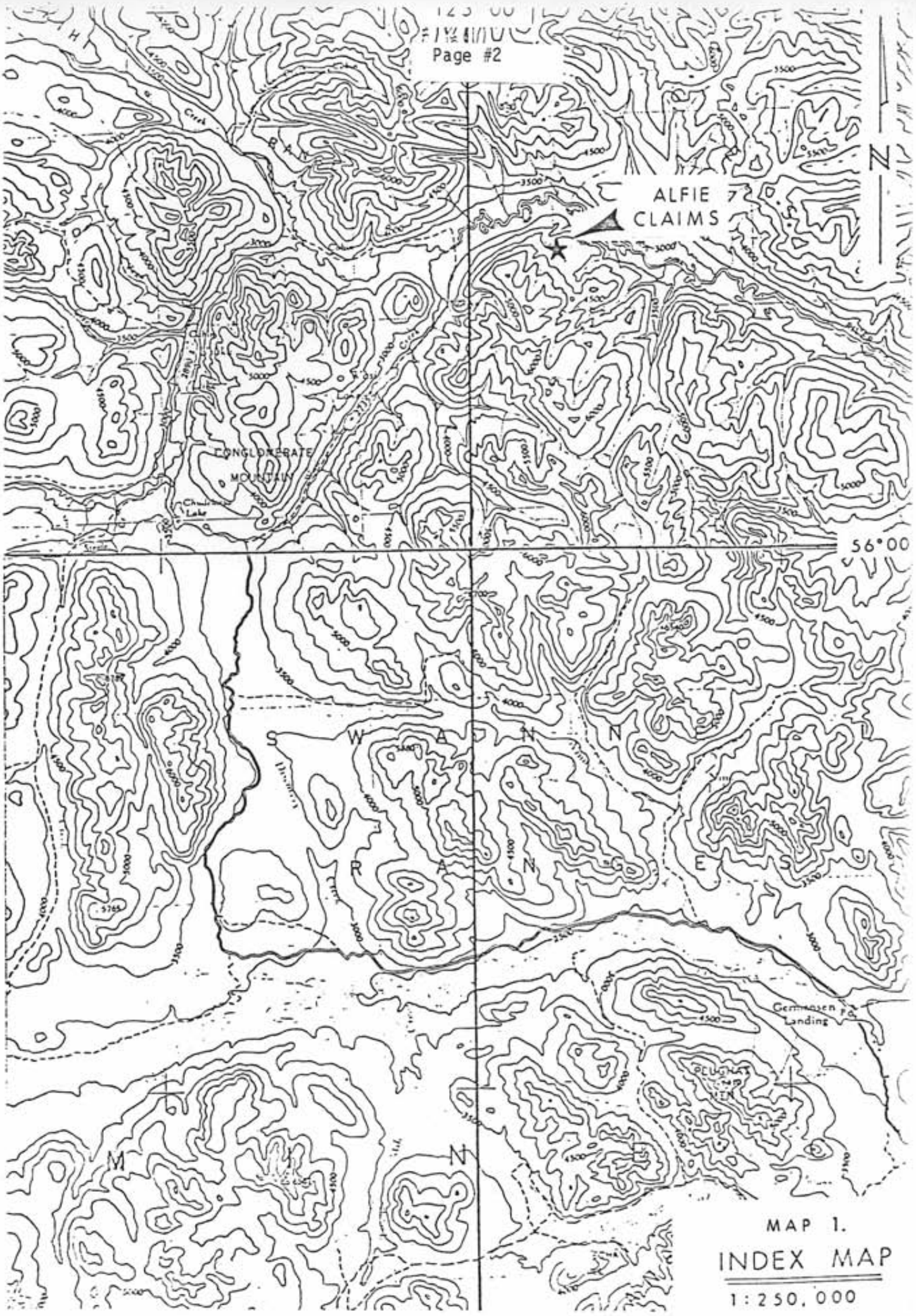
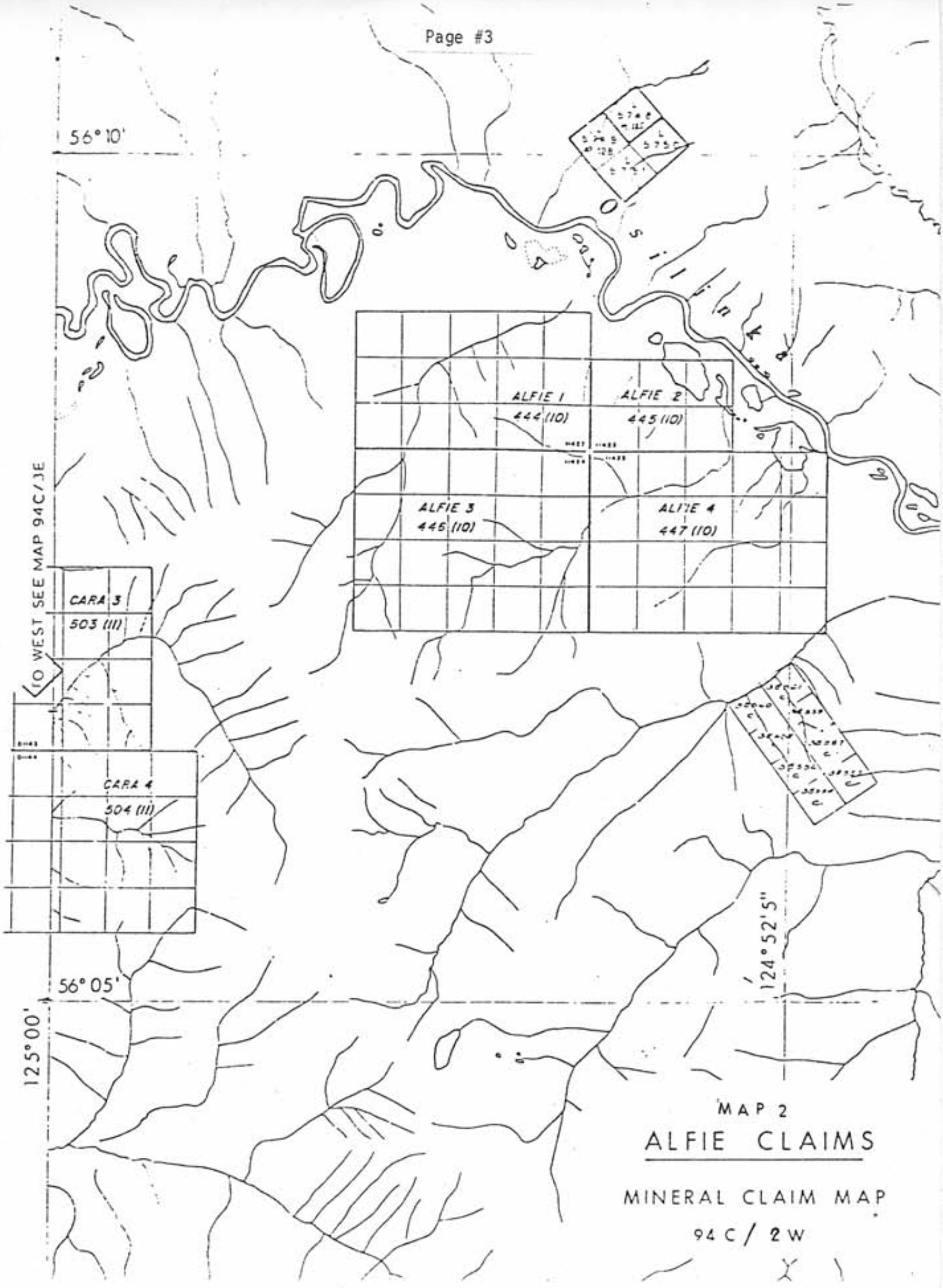


MAP 1.

INDEX MAP

1:250,000



MAP 2

ALFIE CLAIMS

MINERAL CLAIM MAP

94 C / 2 W

The camp was supplied in part by truck from Fort St. James to the end of the road. It was met at that point by a helicopter which carried the supplies the last few miles to camp. When a contract helicopter was not available at the time of the weekly food haul or personnel were to be changed the Placer Development helicopter was brought in from Houston to do the work.

The Property

The Alfie group consists of four claims as follows:

Alfie 1	15 units
Alfie 2	6 units
Alfie 3	20 units
Alfie 4	20 units

The relative locations are shown on Map 2. The property is owned by Placer Development Limited.

Exploration History

The property was originally located by Ernest and Gordon Davies and was optioned to Northwestern Explorations Limited in 1951. Evaluation of data obtained by trenching indicated the existence of a lead and zinc deposit with a low tenor ($<$0.5% Pb, $<$5% Zn; approximately 0.1 to 0.2 oz/t., Ag).

Placer Development Limited initiated geochemical and geophysical work on the property during 1966 and continued working there intermittently through 1968. Approximately 2500 feet of trenching was carried out. It failed to prove continuity between the small pods of breccia hosted mineralization previously found. Ainsworth's (1968) evaluation was that the property had a very limited tonnage potential and was characterized by low grade mineralization. He did not recommend additional work.

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Borovic (1976) returned to the area for Placer in 1976. On the basis of his mapping he recommended an expanded soil geochemical survey of the claims. This was carried out in 1977. A total of 77.5 Km of lines were surveyed and flagged with compass and hipchain. Lines were spaced at 100 metre intervals and samples were taken at 25 m intervals along the lines. This work extended the geochemical anomalies identified earlier and located previously unknown anomalies farther east in Alfie 4 claim.

The work carried out during 1980 consisted of extending the 1977 soil grid to the northwest of the grid origin and filling in gaps in the coverage east of the grid origin. A total of 1020 soil samples were taken. A trial of a deep soil sampling system was carried out in an effort to extend certain anomalies into areas of deep overburden. The test carried out along line 13+00E resulted in six soil profiles being sampled. This test generated an additional 29 soil samples.

An examination of soil geochemical anomalies identified by earlier workers was carried out. This entailed very detailed prospecting of anomalous areas, geological mapping and rock sampling. This data is posted on the 1:5000 standard scale plans utilized in the study of this property.

The mineralization seen on the property is largely low grade ($< 4\%$ Pb+Zn) and seems to lack significant potential for the existence of large tonnages of ore grade rock.

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Soil Geochemistry

The soil geochemical survey carried out during the 1980 field season was designed to close gaps in the coverage provided by previous surveys, close off anomalies partially identified by the earlier surveys, and to examine areas outside the established geochemical survey grids. The areas sampled in 1980 are indicated by the posted data on the maps of Cd and Ag data. The remainder of the maps have the analytical data from 1980 posted along with the data generated by the earlier surveys (see maps 3,4,5,6 and 7).

With the exception of a thin volcanic ash horizon locally present at the surface and some areas of thin glacial cover the soils are residual in origin.

The samples were collected at 25 metre intervals along lines spaced at 100 metre intervals. The "B" horizon was sampled with a nylon spoon after digging a hole with a mattock to depths of 10 to 40 cm. The samples were placed in labelled kraft paper bags for storage. The samples were hot air dried and sieved to remove the minus 80 mesh fraction for analysis. The analyses were performed on the minus 80 mesh fraction at the Placer Development Limited Research Centre.

The analytical procedure for Zn, Pb, Cd and Ag calls for the digesting of 0.5 grams of sample in concentrated $HClO_4$ and HNO_3 for four hours. The metal content of the solution is then determined by atomic absorption. Mercury is determined by digesting 0.5 grams of sample in dilute HNO_3 for two hours. The mercury content is then determined by atomic absorption in a cold vapor generator.

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Results

Values above 1000 ppm Zn, 250 ppm Pb, 500 ppb Hg, 5 ppm Cd and 0.5 ppm Ag are considered anomalous in the calcareous soils of the Alfie claims.

An anomaly previously partially delineated by Ainsworth (1968) and by Borovic (1978) was closed by this survey. It runs from 400W; 125N to approximately 800E; 250N. The general trend of the anomaly is 310°. It is a linear anomaly which ranges up to 175 metres in width at its widest and consists of a single anomalous sample on some lines west of the grid origin.

The anomaly is best delineated by the largely coincident distribution of Hg and Zn. The peak Hg values exceed 2000 ppb. The peak Zn value is 53,000 ppm in soils probably contaminated by earlier trenching. Typically the Zn values are in the 1000 - 4000 ppm range. The distribution of anomalous Pb values supports the anomaly in a limited area. Anomalous Pb values ranging up to 8300 ppm are found in the soils adjacent to the base line between 200W and 150E. Other anomalous lead values are weakly distributed as spot highs elsewhere within the anomalous area identified by the Zn and Hg data. The Cd content of the soils within the anomalous area ranges up to 66 ppm. The area within the 5 ppm contour is similar to that contained within the 1000 ppm Zn contour.

The anomaly has its origin at least in part in breccia hosted sphalerite and galena deposits exposed in trenches on lines 100W and 200W. Rock samples 205, 206 and 130 (Table I) are indicative of the tenor of these deposits. Weak dolomite veining containing less than 1% galena and sphalerite appears to be the origin of the anomaly between lines 00 and 200E. Elsewhere the anomalous area is covered and will require trenching in order to evaluate the anomaly.

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TABLE I

Analyses of Rock Samples

SAMPLE	Zn	Pb	Cd	Ag	Hg	Width	COMMENT
10A	10.7%	3.35%	800	48	> 1000	.3 m	Chip of mineralization
10B	2940	7000	240	17	433	1.1 m	Chip of wall rock
122	970	60	5	0.42	28		Grab micritic mudstone with strong Zn stain
123A	1340	1470	10	1.03	18		Grab weak sphalerite in carbonate breccia
123B	17800	145	130	18	345		Multi grab of strong carbonate breccia
123C	2260	70	20	1.18	106		Multi grab of quartzite breccia
130A	21200	100	176	3.20	> 1000	.8 m	Chip on dip slope Carbonate breccia
130B	29400	195	247	13	> 1000	2.5 m	Chip on dip slope Carbonate replaced quartzite
130C	3310	70	50	0.92	689	1 m	Chip on dip slope dolomite breccia
130D	26500	80	270	15	1000	1 m	Chip on dip slope dolomite breccia
130E	95500	110	725	74	1000	1 m	Chip on dip slope dolomite replacing quartzite
130F	5150	80	56	1.55	855	.6 m	Chip on dip slope dolomite spar
130G	26700	80	213	13	> 1000	1 m	Chip on dip slope dolomite spar
130H	24600	60	210	13	> 1000	3 m	Chip on dip slope dolomite replacing quartzite
145	500	60	10	0.33	8		Multi grab fossiliferous limestone
147	175	40	10	0.08	8		Multi grab fossiliferous limestone
156	40	50	10	0.03	5		Multi grab fossiliferous limestone
163	810	40	10	0.33	15		Multi grab crinoidal limestone
165	44800	11600	565	38	1140		Multi grab coarsely crystalline calcite vein float.
166	500	170	10	0.49	36		Multi grab Limonite stained orthoquartzite
167	120	80	10	0.16	27		Float Limonite stained dolomitic limestone
172A	82000	900	715	72	> 2000	1.9 m	Continuous chip down trench
172B	36800	385	345	25	1776	1.9 m	Continuous chip down trench
172C	33200	4500	233	28	466	1.9 m	Continuous chip down trench
172D	14400	600	134	15	176	1.9 m	Continuous chip down trench
173	480	85	60	3.22	365		Sample mineralized float
174	970	80	10	0.84	34	0.5 m	Multi grab weakly mineralized organic limestone
176A	360	190	10	0.23	44	3 m	Chip of breccia west of 176b
176B	10800	19500	116	12	695	0.9 m	Chip of shear zone
176C	3140	670	10	0.60	51	3 m	Chip of breccia east of 1766
183	125	950	10	0.14	127	3 m	Chip of limestone breccia
184	150	40	5	0.10	61	5 m	Chip of limestone breccia in shear zone
198A	14800	225	157	15	500	11 m	Multi grab of intermittent bedrock in trench
198B	23400	2600	247	28		6 m	Multi grab of rubble in floor of trench
210	8000	1780	60	1.51	54		Gossan float
211A	10300	6800	90	1.54	88	9.9 m	Multi grab of Gossan float on ridge
211B	8800	3350	100	8	63	21.1 m	Multi grab of Gossan down steep ridge
215A	260	220	5	0.17	50		Character sample of shale
215B	120	220	5	0.09	< 5		Character sample of shale
220A	400	50	5	0.15	87		Mineralized float
220B	1570	150	10	0.30	41		Mineralized float
235A	100	80	5	0.08	19		Character sample qtz. vein in dolomite
235B	100	60	5	0.05	32		Character sample FeO stained qtz. vein
235C	40	60	5	< 0.02	12		Character sample qtz. flooded dolomite breccia
236A	30	50	5	0.08	5		Character sample qtz. flooded dolomite breccia
236B	20	50	5	0.06	< 5	5 m	Chip of dolomitic limestone breccia
236C	20	60	5	0.03	12	5 m	Chip of dolomitic limestone breccia
237	20	70	5	0.07	12		Grab of dolomitic limestone breccia
238	20	80	5	0.06	12		Grab of FeO stained limestone breccia
239A	30	150	5	0.35	31		Float with weak galena mineralization
239B	20	90	5	0.19	12		Float without galena same dolomitic breccia
240	20	60	5	0.16	7		Character sample of heteroclastic dolomite breccia
520C	1360	100	10	0.50	87	6 m	Chip of FeO stained breccia at location 220
505	34800	16	266.0	14	230	2.2 m	Chip through mineralization in trench
506	2100	104	297.0	28	185	8 m	Multi grab on dip slope, true width 2 m
CS-1	48000	70	340.0	18.0	2000	15 cm	Multi grab of sphalerite and barite in dolomite
CS-2	2220	210	16.0	3.0	1580	25 cm	Multi grab of pyrite overlying CS-1
CS-3	1150	2660	8.5	1.4	15		Multi grab of coarse sparry calcite overlying CS2
CS-4	24000	3110	1.7	0.8	34	1 m	Chip of micritic mudstone overlying CS1-CS3
HP-1	95	24	0.4	0.2	17		Grab of micritic mudstone
HP-2	72	22	0.5	< 0.2	5		Grab of micritic mudstone weak Zn stain
HP-3	10200	40	61.0	2.1	41		Grab of micritic mudstone strong Zn stain
HP-4	24000	3110	260.0	10.0	920		Multi grab sphalerite and barite in quartzite
HP-5	9400	240	49.0	3.5	156		Multi grab sphalerite and barite in quartzite
AL554W	2050	280	10.6	0.7	122		Multi grab of micritic mudstone with sphalerite
CS-6	13500	11700	101	10	680	2.2 m	Chip Sample across zone

Another anomalous area was located at the north end of line 200W and on line 300W between 400N and 700N. The anomaly which is identified by high values of Zn, Pb, Cd and Hg demonstrates a strong coincidence of anomalous value distribution for all of the elements for which analyses are available.

This area was not closely examined during the field season. It lies at the base of a talus slope and topographically below mineralized areas previously identified. The anomalous soils do not appear to cross the creek to the northwest of the anomaly. This probably indicates the anomalous metal content of the soil originated upslope to the south and southeast.

A small area of anomalous soils was found on line 400 between 825N and 875N. This very small area contains some of the most anomalous soils found during 1980. This line traverses a small (35x25 metre) area of carbonate breccia hosted sphalerite and galena mineralization which is exposed in several old hand trenches. The exposure is not adequate to determine the attitude of the mineralization. The anomaly does not seem to extend beyond the immediate vicinity of the trenching unless it is an extension of the anomalous area at 300W; 700N. A shale unit overlies the carbonate host along line 500W and farther west. This could be the reason the anomaly is not found on the more westerly lines. However, prospecting in the immediate vicinity of the anomaly failed to find any extensions to the known mineralization. Samples 198A and B (Table I) indicate a combined Pb+Zn grade of < 2.6% and </oz/F Ag. Costeaning in the vicinity of the anomaly is required to adequately determine the significance of the mineralization.

Deep Soil Sampling

A test of a deep soil sampling technique was carried out in an effort to inexpensively trace anomalies into areas of suspected deeper or transported overburden.A PIONJAR plugger was utilized to drive a retractable core sampler to depths as great as 4.25 metres.

The test was run along line 1300E from 275S to 525S. Samples of the soil profile were taken at 50 metre intervals along the line. Sampling was initiated at a depth of one metre and continued at 0.5 metre intervals at depths greater than one metre. None of the drill holes reached bed rock.

The data are given in Table II and interpretations of the analytical data for Pb, Zn, Ag, Hg and Cd are illustrated on profiles I-V. Anomalous contents of Pb, Zn and Cd are found in profiles 425S and 525S. An anomalous Hg content was also found in profile 525S. The surface anomaly can be extended at least as far east as line 1300 east. However, it was not traced to a bedrock source and may be transported.

The holes required an average of two man days to sample to three metres in depth. Greater depths required a disproportionately greater expenditure of man hours per metre of penetration. The cost effectiveness of the technique is questionable for other than very limited sampling programs or very isolated areas. Continued use of the technique on the Alfie project is not recommended.

TABLE II

GEOCHEMICAL ANALYSES OF SOIL

PROFILE SAMPLES

PROFILE	DEPTH METRES	Zn ppm	Pb ppm	Cd ppm	Ag ppm	Hg ppb
13+00E-2+75S	1.0	201	44	1.0	0.3	114
	1.5	197	30	0.8	0.2-	117
	2.0	111	21	0.9	0.3	99
	2.5	250	24	0.9	0.3	55
	3.0	93	65	1.1	0.2	188
	3.5	128	16	0.7	0.3	48
	4.0	124	23	0.7	0.2-	21
	4.25	112	18	0.7	0.2	44
13+00E-3+25S	1.0	144	23	0.7	0.2	116
	1.5	175	27	0.8	0.2-	38
	2.0	100	21	0.6	0.2-	23
	2.5	125	21	0.5	0.2-	37
13+00E-2+75S	1.0	168	31	0.6	0.2-	91
	1.5	123	51	1.0	0.2-	110
13+00E-4+25S	1.0	138	23	1.0	0.3	133
	1.5	182	31	1.1	0.2-	102
	2.0	550	103	2.5	0.2-	195
	2.5	640	181	3.1	0.2	300
	3.0	1130	500	6.0	0.2	295
	3.5	920	490	5.1	0.2-	210
13+00E-4+75S	1.0	176	28	0.8	0.2-	161
	1.5	118	20	0.6	0.2-	89
	2.0	132	21	0.8	0.2	53
	2.5	169	32	1.0	0.2-	95
	3.0	269	79	1.2	0.2	117
13+00E-5+25S	1.0	231	53	1.0	0.2-	112
	1.5	1970	420	7.0	0.2	875
	2.0	1010	337	3.5	0.5	460
	2.5	910	312	3.7	0.2	316

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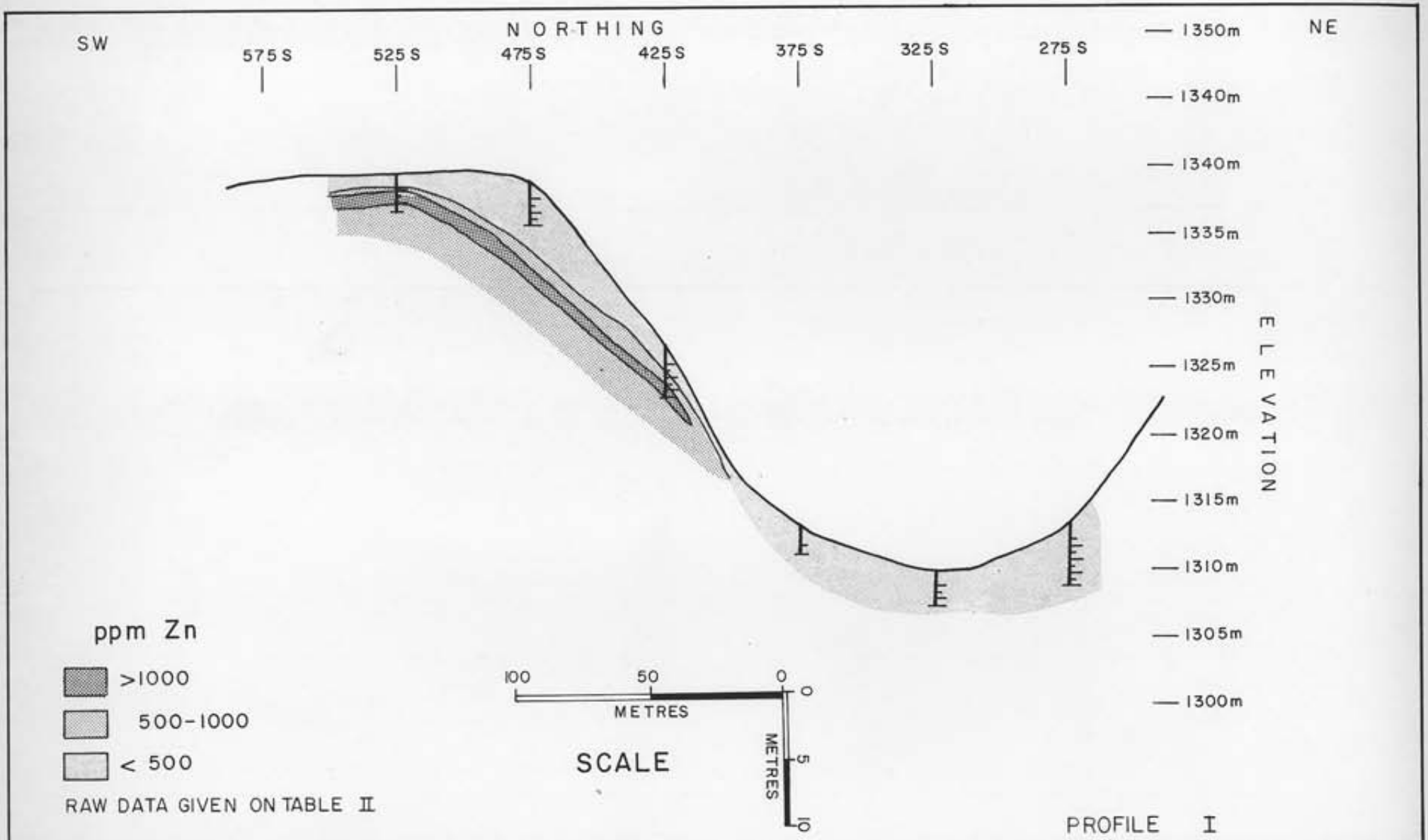

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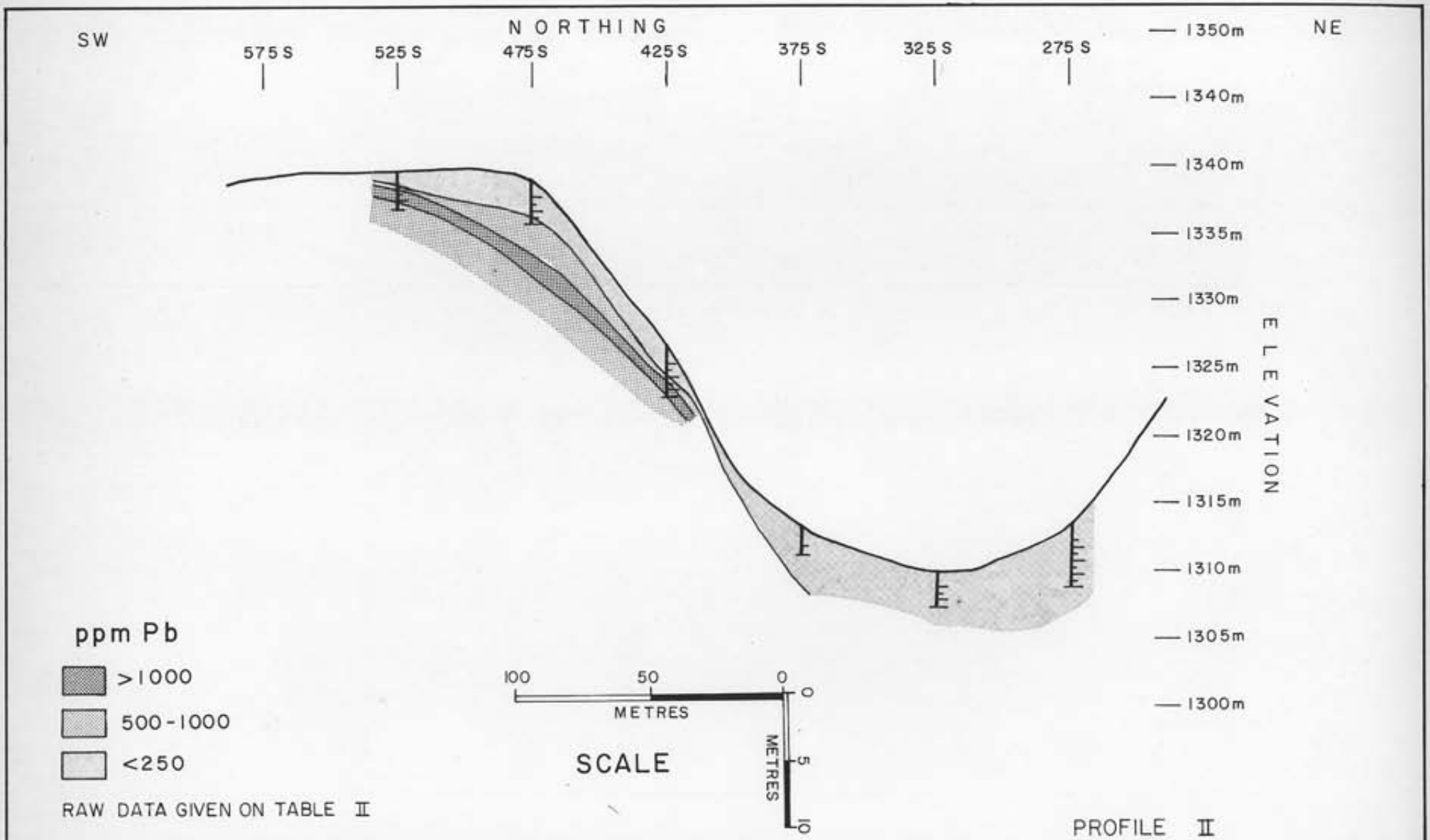
		ALFIE V-97	FILE NO. 80-10-V-97-48-0032



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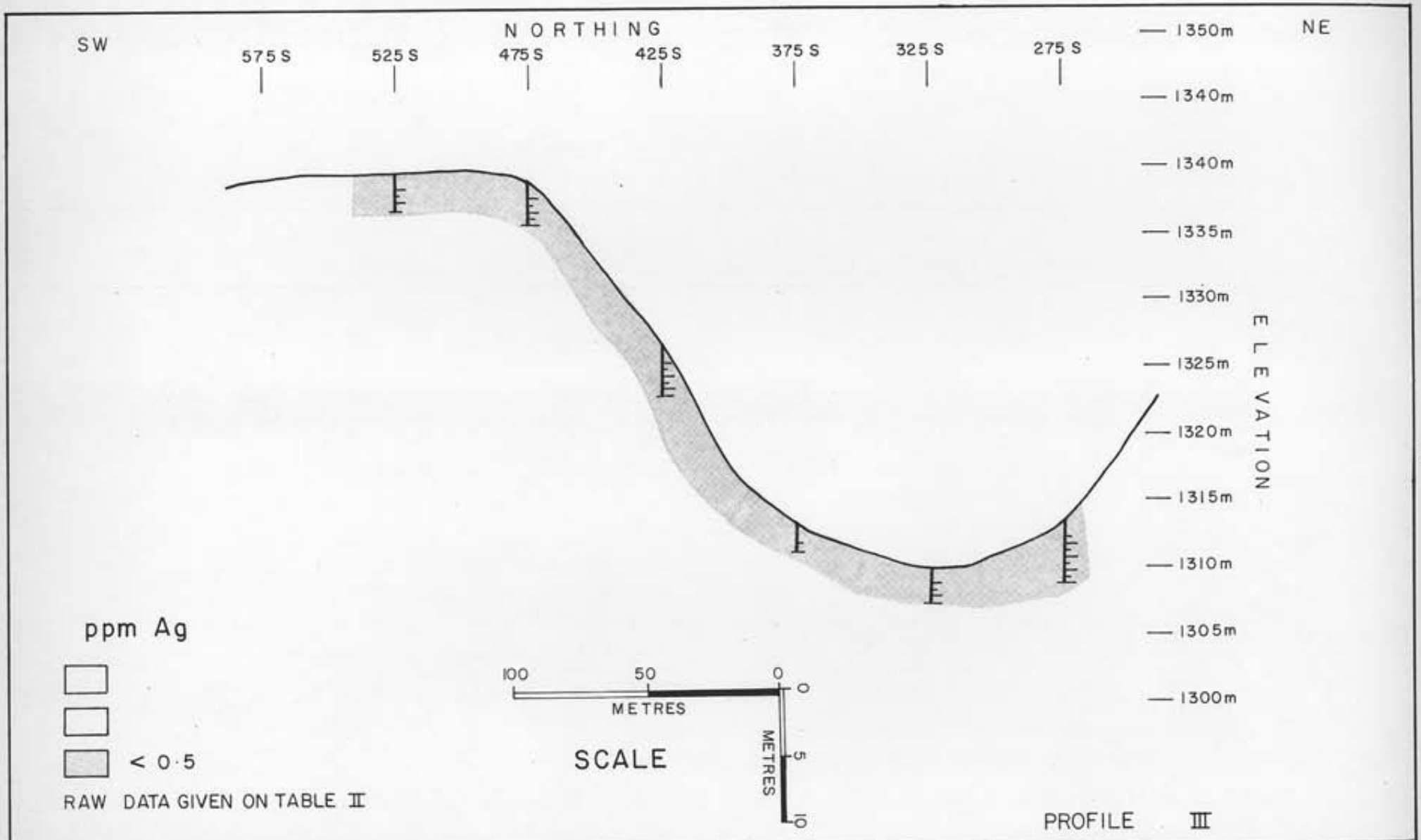

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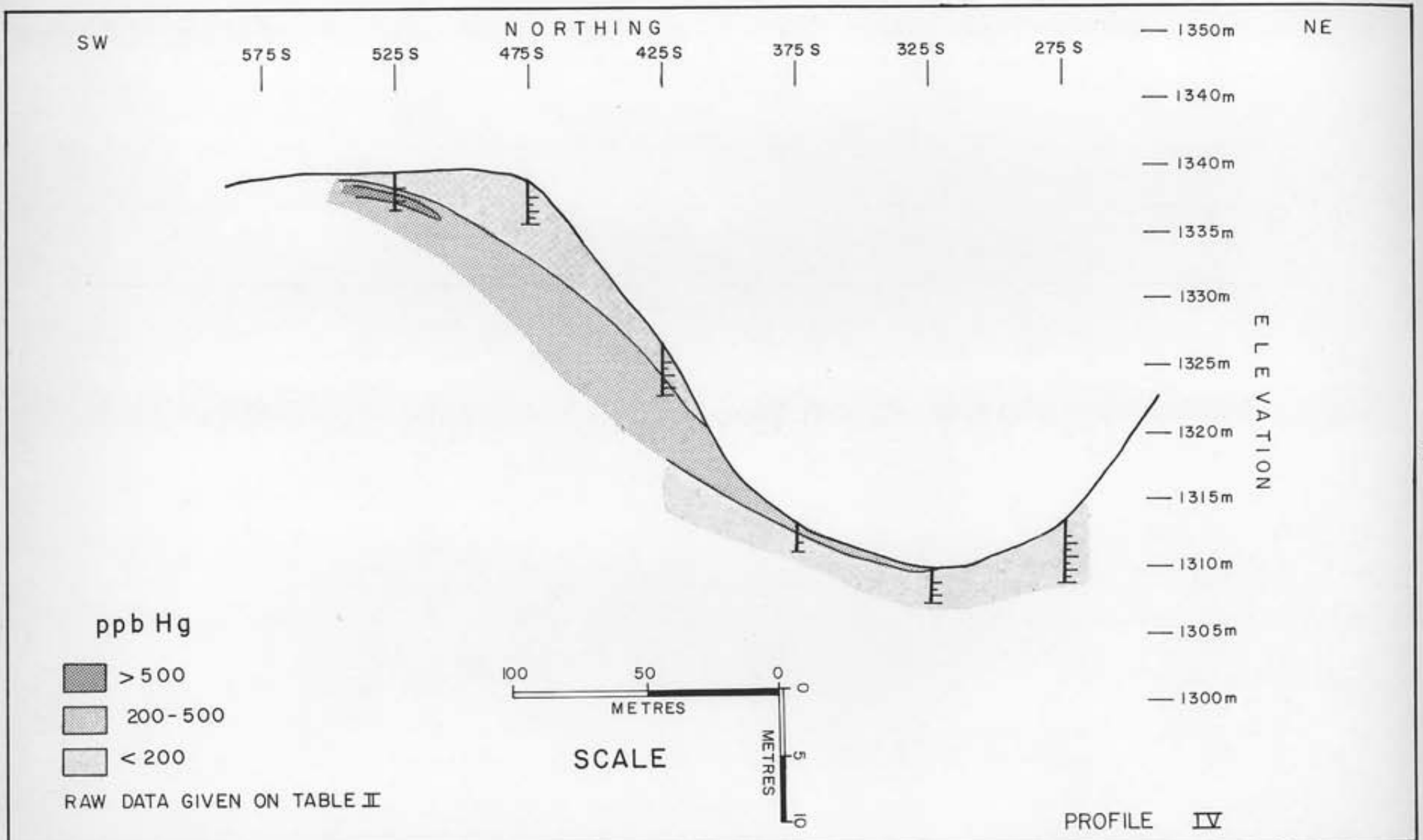

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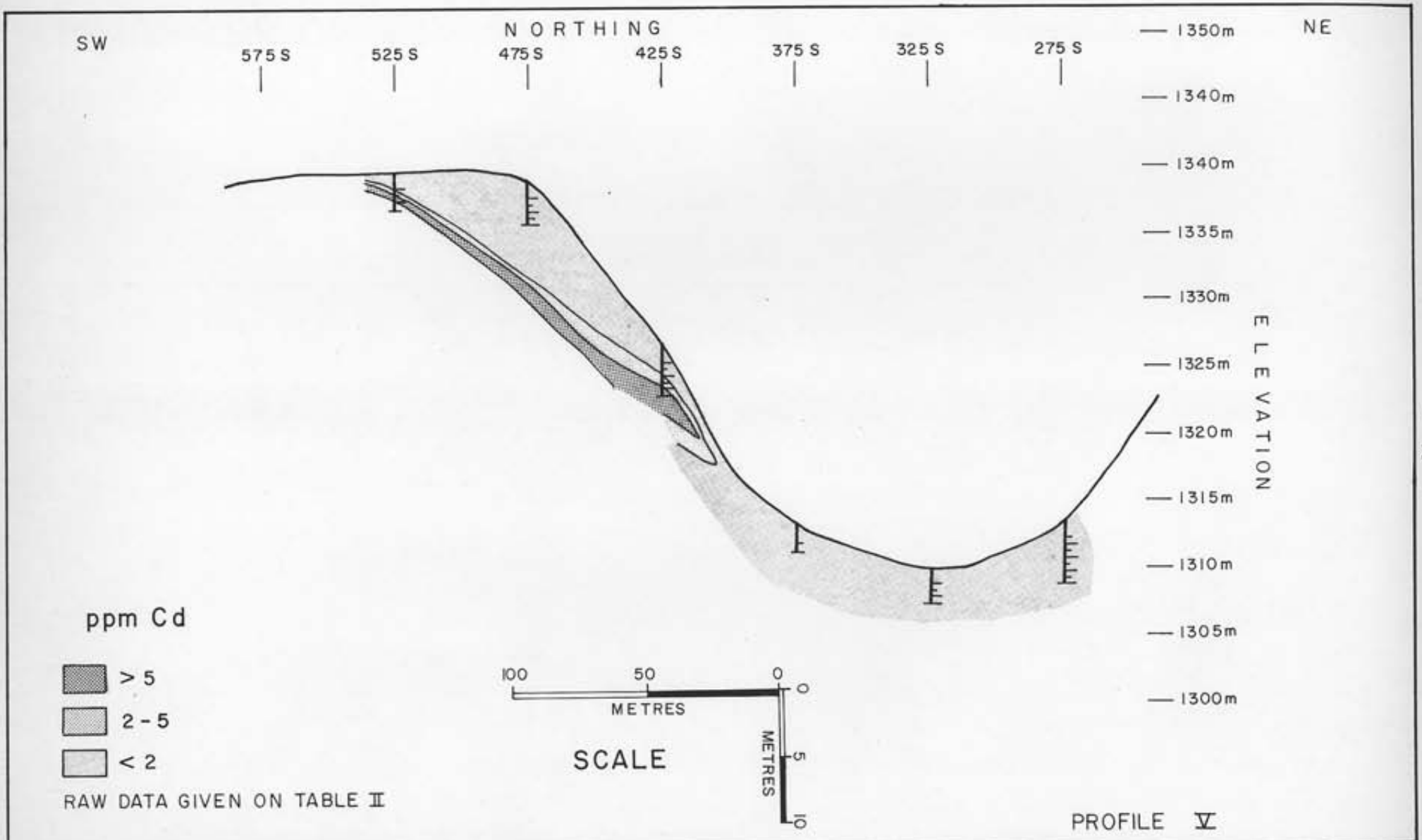

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-		ALFIE V-97	FILE NO. 80-10-V97-4B-0036

Geology

Monger and Paterson (1974) have studied regionally the carbonate sequence exposed on the Alfie claim group. They believe the sedimentary rocks regionally correlated with the rocks exposed on the Alfie claims range from Ordovician to Middle Devonian in age. The much deformed sedimentary rock sequence is thought to exceed 3,000 feet in thickness. The lowest 1,000 feet consist of crystalline limestones with interbedded argillaceous rocks. The upper 2,000+ feet is composed of algalaminate dolomite and dolomitic limestone with round quartz grains.

The oldest rocks seen on the Alfie claims are the crystalline limestone (Map 8, Map Unit 1) exposed on Alfie 4 claim. This age relationship is based solely on their similarity to the crystalline rocks described by Monger and Paterson. They were examined in a limited area between lines 2600E and 3800E during the course of evaluating geochemical anomalies. They were not seen in direct contact with other lithotypes.

These rocks are in general buff to white in color and fine to medium crystalline in texture. Compositionally they range from dolomitic limestone to dolomite. Bedding was apparently obliterated by the metamorphic event which recrystallized these carbonates. Float of silty carbonates occur. These silty units could be useful as marker horizons during geological mapping.

Late deformation produced a ubiquitous crackle brecciation. The brecciation varies from weak to intense. The stronger the brecciation generally the more dolomitic the rock due inpart to healing of the fractures by white to grey dolomite. Locally the breccia has a cement of quartz. Silicia flooding of the breccia also takes place, but is even more restricted in distribution than is the quartz veining. The boundaries of intense brecciation are gradational.

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Therefore the attitude of the brecciation is not defined by work done to present. While it can not be conclusively proven it is believed that the trend of the brecciation is 300 to 320^{0}.

Overlying Map Unit 1 (Map 8) is a shale unit. It was seen only at two location and a contact with other lithotypes was not seen. Its stratigraphic position is interpreted from its topographic location above Map Unit 1 outcrops.

These argillaceous rocks are black in color on fresh surfaces and grey on weathered surfaces. Silt sized clastic material is locally present as thin beds. Other beds contain variable quantities of carbonate and are best classified as argillaceous limestones. Minor pyrite was observed as disseminated 1mm cubes. Character samples, 215A and 215B, of the shale did not contain anomalous contents of base metals.

Map Unit 3a was mapped on Alfie 1 and Alfie 3 claims. It corresponds to the upper carbonate unit described by Monger. It is predominately a blue grey thick bedded limestone. Internally it is massive and shows few indications of bedding. Texturally it is predominately a micritic mudstone although locally it consists of microspar. Compositionally it is slightly dolomitic.

The micritic mudstone is interbedded with a medium to coarse grained quartz sandstone. The clastic grains are well rounded, well sorted and monomineralic. The sandstone is texturally and compositionally mature and except for the sparry calcite cement would be classified as an orthoquartzite. In some locations the quartz grains were severely etched prior to or at the time the carbonate cement was introduced. The sandstone occurs in cross bedded beds ranging up to 2 metres in thickness. Some of the beds may be considerably thicker as either the upper or lower contact was not observed.

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In the vicinity of 00N;100W is an area of dolomite (Map Unit 3b) which is interpreted as being a pervassive alteration of Map Unit 3a. It is a buff colored rock consisting of very fine grained dolomite spar.

In fault contact with Map Unit 3a is a thin bedded grey weathering black limestone. It is thought to overlie map unit 3a but all contacts seen were fault contacts. The structural positions, of isolated outcrops of Unit 4 seen in topographic juxtoposition to unit 3a, were always suspect.

Unit 4 is a dark grey weathering limestone which is black to dark grey on fresh surfaces. It is typically a micritic mudstone, but contains interbeds of corralline biowackestone. The matrix between bioclasts is commonly microcrystalline in texture.

Map Unit 5 is a recessive weathering shale bed seen only as float and rubbly outcrops west of line 500W. The rock seen ranges from light to dark grey in color is very fissile, and siliceous. Borovic states that chert is common in this unit.

A small area of andesite (Map Unit 6) is known to occur on line 3000E near 1250N. It is poorly exposed, and its limits are by no means defined. The rock is medium grey in color and microcrystalline in texture. It is thought to be a hypabyssal intrusive implaced in Map Unit 1.

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Structure

Borovic (1978) when he mapped the geology of the Alfie claims, interpreted the structure of the central part of the claim group as an anticline. More detailed mapping during 1980 of the northern limb of this anticline indicated the presence of smaller scale northwest trending folding.

The structural picture is further complicated by northwest and northeast striking faults. Movement on these faults is thought to be relatively minor being in most cases less than 30 meters. The northerly trending fault at 200W, 500N appears to be more significant. A stratigraphic interval estimated to be 50 metres thick, of fossiliferous limestone (map unit 4) was observed on the downthrown western side of the fault. Since an unfaulted contact between map units 3a and 4 was not observed the true magnitude of the movement on this fault cannot be estimated.

Mineralization

Trenching carried out in 1968 exposed several pods of breccia hosted galena and sphalerite mineralization in the area now traversed by the baseline of Borovic's geochemical grid between lines 00 and 200W. Further stripping between lines 10+00W and 15+00W on Ainsworth's geochemical grid exposed large areas of bedrock but only economically insignificant sulphide mineralization. Ainsworth did not believe there was any potential for either large tonnage or high grade in the two zones. He did not recommend additional work on the claims.

Borovic identified a sphalerite mineralized cave fill deposit exposed in the cliff face at the northend of line 12+50W during a re-evaluation of the property. This was sampled by samples CS1-4 during the 1980 field season. The mineralization

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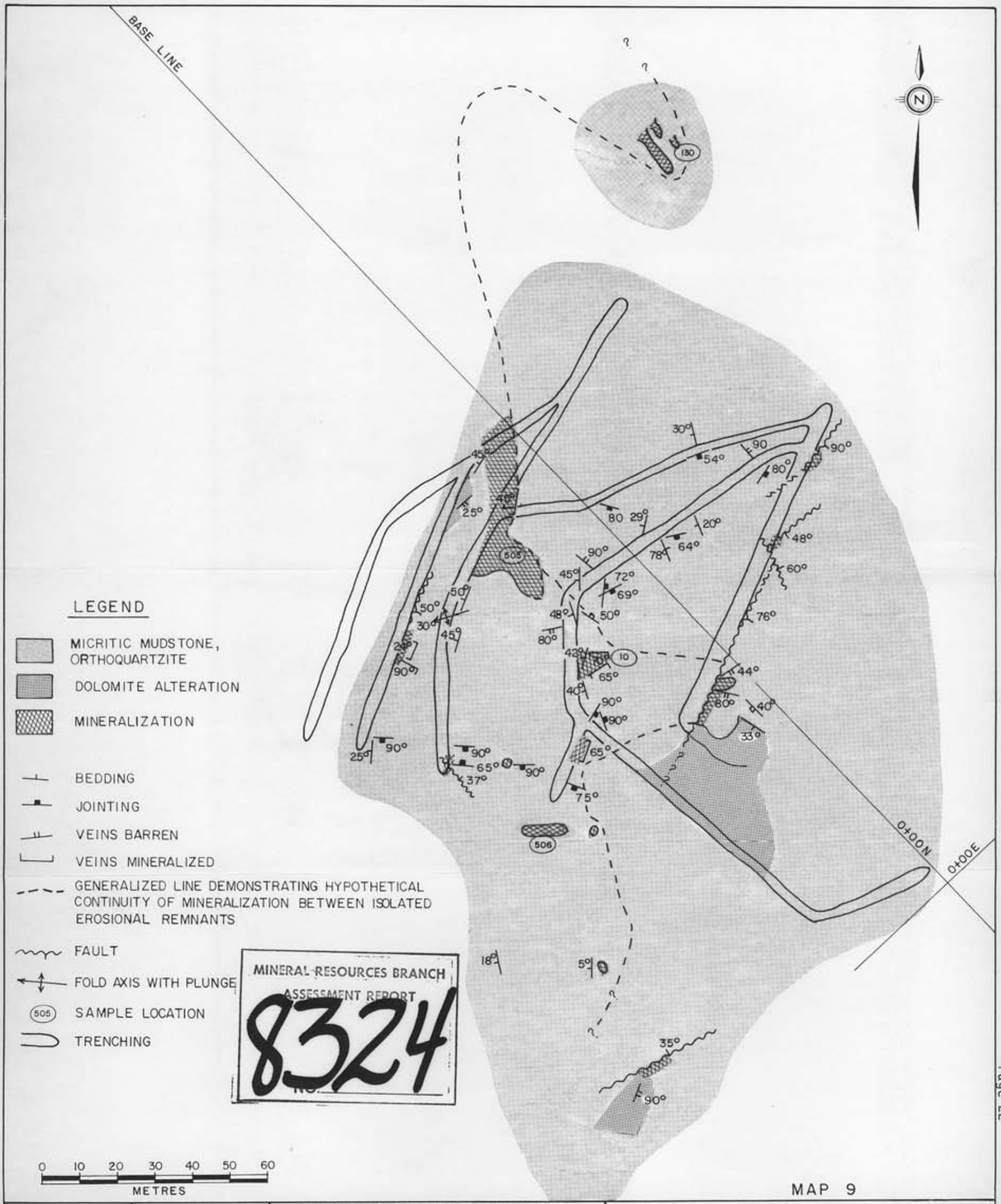
sampled as CS-1 (see Table 1) proved to be very narrow (approximately 0.15 metre of 4.8% Zn) with spotty lower grade values (CS2-4) in the adjacent limestone wall rocks. This sub horizontal and apparently stratabound zone was located farther northwest along the strike. It was sampled (CS 6) over a 1.5 metre wide interval. This sample carried 1.3% Zn and 1.1% Pb. The mineralization at this point is not obviously karst breccia hosted or related to extensive dolomitization. It is found as medium grained replacements and disseminations in crackle breccia and filling intergranular porosity in quartzites.

Other mineralization with a similar mineralogy was observed in the vicinity of this showing. It did not seem to be intimately related to karst generated brecciation. The mineralization occurs either as disseminations in crackle breccias (HP 2&3) or as fillings of intergranular porosity in quartzite (HP 4&5). Both types of mineralization are spatially related to faulting.

An economically viable combination of tonnage and grade does not seem to be indicated by the sampling to date. However, the fault zone is deeply covered and has not been tested to date. Any further program in the area should include more costeaning or drilling of this fault zone as well as deeper sampling of the potentially stratabound mineralization.

Map 9 shows the area between 00E and 200W along Borovic's geochemical baseline. The mineralization exposed in this area consists of fine to medium grained galena,sphalerite and barite replacements of carbonate breccias and locally quartzite. Strong dolomitic alteration (Map Unit 3_b, Map 8) does exist in this vicinity but does not appear to be closely related to the mineralization. The dolomitic alteration which does accompany the mineralization is patchy in distribution and rarely replaces completely the enclosing limestone.

...22/



MAP 9

DRAWN : D.M.J.	SCALE:	PLACER DEVELOPMENT LIMITED	GEOLOGY MAP OF TRENCHING
TRACED: J. S.	DATE: OCT., 1980.	OSILINKA RIVER, B. S. ALFIE V-97	FILE NO. 80-10-V-97-28-0031

The hillside in this vicinity approximates a dip slope on the limestone which dips to the west at $40^{o}\pm$. The breccias which host the sulphide mineralization have approximately the same attitude. Most of the patches of sulphide bearing breccia occur on the crests of low ridges and as such appear to be erosional remnants. This can in part explain the lack of continuity between exposures of breccia. A line illustrating the hypothetical continuity of a single horizon between these isolated outcrops is shown on Map 9. If this interpretation is correct this would indicate a northerly strike and westerly dip for the zone. The goechemical anomaly could on the other hand be interpreted to indicate a strike of approximately 300^{o} for the mineralization. This $300^{o}\pm$ trend of the anomaly is thought to be the result of weak sulphide remobilization along a latter broad but weak fracture system.

The various pods of mineralization were sampled by samples 10, 130, 505, and 506. Sample 10A is a chip of an 0.3 metre wide well mineralized but narrow zone along a northeast trending shear. It contains approximately 14% combined Pb+Zn with 48 ppm Ag. It does not represent a significant volume. The immediately adjacent wall rock contains approximately 1% combined Pb+Zn with 17 ppm Ag.

Samples in the #130 sample series (130A-130H) were taken down the axis of a trench (map 9). Sample 130A is the topographically highest and 130H is the topographically lowest sample. The trench cross cuts the stratigraphic section at a low(?) angle. The sample widths given in Table I are lengths sampled along the trench. The true widths are not known. With the exception of a one metre wide sample the tenor of rock exposed in the trench is less than 3% Pb+Zn and is accompanied by a very low Ag content. The higher grade sample contained 9.5% Zn and 74 ppm Ag.

Sample 505 was taken just downslope from sample 10. It represents a true width of approximately 2.2 metres and contained 3.48% Zn and 14 ppm Ag.

Sample 506 was taken down the length of a trench. The true width of mineralization sampled by the 8 metre long sample is probably on the order of 1.5 to 2 metres but could not be defined by the evidence available in the exposure. It is in any case low grade at 0.2% Zn and 28 ppm Ag.

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The mineralization sampled in the area shown on Map 9 at least locally exceeds 2.2 metres in width. The median grade is well less than 3% Zn with less than 0.5 oz/t. Ag. Potential for a moderate to small tonnage of marginal to subeconomic grade mineralization is thought to exist under the alluvium on the valley floor below the above described outcrops.

Detailed prospecting of a geochemical anomaly on lines 300E to 700E and 300 to 400 metres south of the base line led to the rediscovery of additional breccia hosted base metal mineralization. Sphalerite and galena are very weakly disseminated in a single bed (< 1m) or thin package of fossiliferous limestones. Sparsely mineralized float occurs at intervals along the zone. Locally the mineralized bed which occurs at the top of a cliff forming unit may be located by much diligent searching. With the exception of the trenches at sample site 172 the quantity of sphalerite and galena present is less than 1% as examplified by samples 173 and 174.

At sample site 172 the mineralized unit is cut by a west striking fault or is brecciated by a narrow fold producing an increase in brecciation intensity. Four samples 172A-D were taken at 1.9 metre lengths down the longest and best exposure. The topographically highest samples, 172A, contained 8.2% Zn and 72 ppm Ag. The remainder of the samples contained less than 3.7% Zn and 28 ppm Ag. The volume of strongly mineralized breccia appears to be very limited. However, the limited exposure prevents a definitive agreement being made on the subject of breccia development. Additional bulldozer trenching could quickly resolve the ambiquity concerning breccia development.

Investigation of a strong soil geochemical anomaly 1300 metres north of baseline and between lines 2900E and 3500E led to the discovery of numerous ferruginous silicified limestone boulders. These were traced back to a single outcrop on the crest of a ridge at 3050E; 1300N.

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The outcrop is a roughly circular pipe like body, with a diameter of 30 metres. A vertical exposure of approximately 8 metres exist. The borders are sharp and adjacent carbonates lack distinctive brecciation or alteration. The outcrop consists of a dense rock which is blue grey in color on fresh surfaces and weathers to bright orange-red color. The rock is cryptocrystalline in texture and breaks with a concoidal fracture. It contains numerous vugs which are frequently lined by limonite psuedomorphs after calcite and dolomite crystals. Samples 210, 211A and 211B were taken in this ferruginous material. The zinc plus lead analyses of these samples range from 0.9% to 1.7%. The silver contents of the three samples are 1.51, 1.54 and 8 ppm. The original content of lead plus zinc sulphides is estimated to have been 7%.

The tonnage of mineralized rock potentially available is approximately 3000 metric tons per metre of depth. When extrapolated to any reasonable depth the potential tonnage is too small to support any mining activity in this remote location. Furthermore it would not be able to satisfy Placer's investment criteria unless the silver content is several times greater than any previously observed in the area. This possibility cannot be evaluated without drilling the prospect. Drilling at this location would require very long water lines and would probably require bringing water up from the Osilinka River a lift approaching 300 metres. This high cost and high risk undertaking is not justifiable from a cost effectiveness stand point.

Prospecting of the soil geochemical anomalies between 3400E; 1175N and 3850E; 850N did not locate mineralization with obvious economic potential. The mineralization found was very weak and broadly disseminated sphalerite and galena in crackle breccias. The mineralization consists of medium to coarse grained crystals of sulphides in the carbonate veinlets healing the brecciation and rarely as very minor replacements. The geochemical anomalies are enhanced by residual concentration in the surficial environment. The original Pb+Zn content of bedrock is exemplified by samples 220A, 220B, 235-240, and 520C. All of these samples were taken because of the presence in them of Pb$\pm$Zn sulphides or oxides. None of them contains more than 0.16% Pb$\pm$Zn.

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Conclusion and Recommendation

In summary none of the areas of mineralization found to date on the Alfie claims is thought to individually have a potential for a combination of grade and tons which is economically viable at todays metal prices and in this location. A statement has been made in the discussion of each area of mineralization of what work if any should be performed to further evaluate the potential of that area. In aggregate there does exist a limited potential for delineating enough tons, at a viable grade, to satisfy Placer's investment criteria. In this authors opinion further work is not justified under the current metal prices. If further exploration work is to be completed the cost effectiveness will be increased by delaying this work until the forest access road now planned for the Osilinka River valley is completed.

It is recommended that the current work be applied against the assessment work requirements and that the property be held pending significant changes in metal prices.

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STATEMENT OF EXPENSES

The following expenses were incurred in carrying out work on the Alfie 1-4 Claims during the period May - October, 1980.

PAYROLL:

D. Atkins, Assistant	June 17-20	4 days		
	June 23-30	8 days		
	July 20-31	12 days		
	Aug. 1-10	10 days		
		34 days	@$71.92/day	$2445.28
D. Dick, Assistant	June 17-20	4 days		
	June 23-30	8 days		
	July 20-31	12 days		
	Aug. 1-10	10 days		
		34 days	@$74.52/day	$2533.68
W. Harms, Assistant	May 24-27	4 days		
	June 2-6	5 days		
	June 9-13	5 days		
	June 16-20	5 days		
	June 23-30	8 days		
	July 1-31	31 days		
	Aug. 1-14	14 days		
		72 days	@$84.24/day	$6065.28
D. Jenkins, Supervisor	May 24-27	4 days		
	June 2-5	4 days		
	June 19-30	12 days		
	July 1-4	4 days		
	July 16-31	16 days		
	Aug. 1-16	16 days		
	Oct. 20-31	12 days		
		68 days	@$143.70/day	$9771.6
D. Pease, Cook	June 16-20	5 days		
	June 23-30	8 days		
	July 1-31	31 days		
	Aug. 1-16	16 days		
		60 days	@$116.64/day	$6998.40
J. Young, Assistant	June 17-20	4 days		
	June 23-30	8 days		
	July 1-31	31 days		
	Aug. 1-14	14 days		
		57 days	@$71.28/day	$4062.96
			TOTAL PAYROLL:	$31,877.20

Equipment Maintenance		287.28
Camp Operations (construction of camp, food, fuel, etc)		14,405.71
Equipment Purchase		960.14
Telephone (Radio rental @$192.40/month)		943.74
Vehicle expense		174.24
Freight		2,351.18
Travel		1,971.39
Assaying 1020 soils (Pb,Zn,Cd,Ag,Hg) @$7.90	$8058.00	
10 rocks (Pb,Zn,Cd,Ag,Hg) @$9.65ea.	96.50	
54 rocks (Pb,Zn,Cd,Ag,Hg) @$10.65ea.	575.10	
72 Zn Assays @$4.75 each	365.75	
20 Pb Assays @$5.25 each	105.00	
13 Cd assays @$5.25 each	68.25	
18 Ag Assays @$4.00 each	72.00	
TOTAL ASSAYING:		$9,340.60
Helicopter (Northern Mtn. 27.9 hours @$380/hour)	10,602.00	
Placer 23-66 hours @$350/hour)	8,282.67	18,884.67
TOTAL EXPENDITURE:		$81,196.75

STATEMENT OF QUALIFICATIONS

I, D.M. Jenkins, with business address at 700 Burrard Building, Vancouver, B.C., V6E-3A8, do hereby certify that I have supervised the field work during the 1980 field season and have assessed and interpreted the data resulting from this work on the Alfie 1 to Alfie 4 claims.

I also certify that: -

1. I am a graduate of the University of South Florida (B.A. Geology, 1963).

2. I am a graduate of the Univeristy of Florida (M.S. Geology, 1966).

3. I was a graduate student at the University of Cincinnati from 1966 to 1970.

4. I have engaged in mineral exploration since 1970.

5. I am a fellow of the Geological Association of Canada.

D.M. Jenkins, M.S., F.G.A.C.
Senior Geologist

DMJ/cs

Appendix I

GEOCHEMICAL ANALYSES

Area: Alfie

Map Sheet No.: 94C-2W

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

soils

Geologist: D. Jenkins

Date: July 17/80

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Card Type	SAMPLE No.		Lab. Proj.	PPM												
				Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	0+00N	0+00E	0068			2380	190	4.8			0.7				
		0+25E				3400	220	7.3			0.2				
		0+50E				3500	810	15.9			2.6				
		1+00E				3690	1410	11.1			3.2				
		1+25E				2600	510	10.3			1.9				
		1+75E				680	112	3.2			0.9				
		2+00E				1310	290	6.2			1.1				
		2+25E				750	168	5.4			1.8				
		2+50E				1870	163	6.1			0.4				
		2+75E				1260	92	2.1			0.5				
		3+00E				1160	76	1.8			0.8				
		3+25E				1140	245	5.5			0.6				
		3+50E				2200	560	10.7			4.0				
		3+75E				690	94	1.5			1.5				
		4+00E				600	76	1.0			0.4				
		4+25E				730	43	1.4			0.3				
		4+50E				1430	132	15.0			1.0				
		4+75E				1030	95	2.4			0.3				
		5+00E				930	98	2.1			0.7				
		5+25E				1720	480	25.5			3.7				
		5+50E				930	99	2.4			0.3				
		5+75E				680	121	1.7			0.7				
		6+00E				920	153	3.0			0.3				
		6+25E				520	75	1.0			0.1				
		6+50E				780	300	6.8			0.3				
		1+50E				730	100	1.5			0.3				

Area: Alfie

Map Sheet No.: 94C-2W

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

soils

Geologist: D. Jenkins

Date: July 17/80 Page 1 of 7

Card Type	SAMPLE No.		Lab. Proj.	PPM					PPB	%		
				F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
	2 16		17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
B	0+00N	0+00E	0068						445			
		0+25E							550			
		0+50E							1300			
		1+00E							990			
		1+25E							92			
		1+75E							795			
		2+00E							1100			
		2+25E							630			
		2+50E							440			
		2+75E							210			
		3+00E							345			
		3+25E							860			
		3+50E							1970			
		3+75E							475			
		4+00E							620			
		4+25E							75			
		4+50E							435			
		4+75E							265			
		5+00E							506			
		5+25E							645			
		5+50E							110			
		5+75E							535			
		6+00E							126			
		6+25E							130			
		6+50E							440			
		0+75E							1840			

Area: Alfie

Map Sheet No.: 94C-2W

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

soils

Geologist: D. Jenkins

Date: July 17/80 Page 2 of 7

Card Type	SAMPLE No.		Lab. Proj.	PPM											
				Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
	2	16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80
A	0+00N	6+75E	0068			950	290	4.2			1.4				
		7+00E				720	130	1.4			0.5				
		7+25E				1040	240	1.9			0.9				
		7+50E				100	61	1.9			1.2				
		7+75E				760	219	2.7			0.7				
		8+00E				550	174	1.5			0.6				
	2+00E	0+25N				2420	170	8.1			2.4				
		0+50N				1590	270	13.4			2.8				
		0+75N				1400	320	10.9			2.0				
		1+00N				600	65	1.7			0.4				
		1+25N				1920	360	5.9			0.7				
		1+50N				2250	310	4.7			1.4				
		1+75N				710	100	4.0			0.4				
	3+00E	0+25N				1040	45	2.5			0.3				
		0+50N				2150	139	16.9			1.2				
		0+75N				1970	213	7.0			1.4				
		1+00N				930	157	4.1			1.1				
		1+25N				1390	243	4.3			0.7				
		1+50N				990	99	3.1			0.2-				
		1+75N				650	113	3.6			0.6				
		2+00N				480	153	1 3			0.2				
		2+25N				560	146	1 9			0.2				
		2+50N				370	145	2.0			0.2-				
		2+75N				660	153	0.8			0.2-				
	4+00E	0+25E				870	138	1.5			0.5				

Area: Alfie

Map Sheet No.: 94C-2W

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

soils

Geologist: D. Jenkins

Date: July 17/80 Page 2 of 7

Card Type	SAMPLE No.	Lab. Proj.	PPM					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
B	0+00N 6+75E	0068						490			
	7+00E							360			
	7+25E							525			
	7+50E							430			
	7+75E							305			
	8+00E							111			
	2+00E 0+25N							1620			
	0+50N							2470			
	0+75N							1050			
	1+00N							190			
	1+25N							1450			
	1+50N							1060			
	1+75N							325			
	3+00E 0+25N							70			
	0+50N							800			
	0+75N							1600			
	1+00N							815			
	1+25N							1150			
	1+50N							960			
	1+75N							890			
	2+00N							340			
	2+25N							120			
	2+50N							440			
	2+75N							185			
	4+00E 0+25E							740			

Area: Alfie

Map Sheet No.: 94C-2W

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

soils

Geologist: D. Jenkins

Date: July 17/80 Page 3 of 7

Card Type	SAMPLE No.		Lab. Proj.	PPM												
				Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W	
A	4+00E	0+50E	0068			2600	860	24.0			2.3					
		0+75E				620	162	2.7			0.2-					
		1+00E				1190	290	9.7			0.5					
		1+25E				1130	220	10.5			1.8					
		1+50E				1120	99	3.2			0.4					
		1+75E				1470	266	4.7			0.4					
		2+00E				480	131	1.2			0.2-					
		2+25E				510	110	1.7			0.2-					
		2+50E				225	24	0.4			0.2-					
		2+75E				420	310	1.5			0.3					
		3+00E				400	210	0.8			0.2					
		3+25E				760	120	1.0			0.2-					
		3+50E				21	24	0.2			0.2					
		3+75E				270	85	0.9			0.2-					
	5+00E	0+25N				980	91	3.0			0.9					
		0+50N				2220	221	7.9			0.8					
		0+75N				1300	226	6.8			0.4					
		1+00N				940	156	3.0			0.9					
		1+25N				4050	480	9.2			2.3					
		1+50N				740	74	1.5			0.4					
		1+75N				1900	530	4.0			0.7					
		2+00N				440	120	1.1			0.2					
		2+25N				1200	116	8.6			0.2					
		2+50N				410	48	0.7			0.2-					
		2+75N				242	103	1.5			0.2-					

Area: Alfie

Map Sheet No.: 94C-2W

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

soils

Geologist: D. Jenkins

Date: July 17/80 Page 3 of 7

Card Type	SAMPLE No.	Lab. Proj.	P P M					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
B	4+00E 0+50E	0068						2330			
	0+75E							975			
	1+00E							1400			
	1+25E							350			
	1+50E							965			
	1+75E							385			
	2+00E							160			
	2+25E							50			
	2+50E							70			
	2+75E							300			
	3+00E							120			
	3+25E							133			
	3+50E							66			
	3+75E							94			
	5+00E 0+25N							375			
	0+50N							1300			
	0+75N							688			
	1+00N							760			
	1+25N							2280			
	1+50N							550			
	1+75N							2360			
	2+00N							155			
	2+25N							70			
	2+50N							42			
	2+75N							152			

Area: Alfie

Map Sheet No.: 94C-2W

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

soils

Geologist: D. Jenkins

Date: July 17/80 Page 4 of 7

Card Type	SAMPLE No.	Lab. Proj.	PPM											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	5+00E 3+00N	0068			310	230	6.4			0.9				
	3+25N				302	100	2.0			0.6				
	3+50N				530	104	1.3			0.2-				
	3+75N				370	50	3.7			0.2-				
	4+00N				150	33	0.2			0.2-				
	4+25N				390	35	1.2			0.2-				
	4+50N				620	195	2.7			0.5				
	4+75N				480	92	0.8			0.2-				
	6+00E 0+25N				700	121	1.9			0.5				
	0+50N				560	124	9.7			1.5				
	0+75N				460	128	0.9			0.3				
	1+00N				1100	122	1.9			0.6				
	1+25N				620	218	1.9			0.4				
	1+50N				1300	214	3.3			0.2-				
	1+75N				2000	217	3.0			0.4				
	2+00N				1410	210	2.8			0.7				
	2+25N				1700	370	8.3			1.8				
	2+50N				1920	125	4.0			0.9				
	2+75N				600	93	3.0			0.8				
	3+00N				270	68	1.1			0.2-				
	3+25N				470	115	1.8			0.4				
	3+50N				810	240	2.2			0.3				
	3+75N				470	82	2.5			0.2				
	4+00N				410	45	1.1			0.3				
	4+25N				174	18	0.4			0.2				

Area: Alfie

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Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

soils

Geologist: D. Jenkins

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Card Type	SAMPLE No.		Lab. Proj.	P P M					PPB	%		
				F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
	2 16		17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
B	5+00E	3+00N	0068						178			
		3+25N							190			
		3+50N							54			
		3+75N							59			
		4+00N							58			
		4+25N							270			
		4+50N							275			
		4+75N							240			
	6+00E	0+25N							270			
		0+50N							570			
		0+75N							300			
		1+00N							510			
		1+25N							690			
		1+50N							300			
		1+75N							1450			
		2+00N							195			
		2+25N							1970			
		2+50N							300			
		2+75N							220			
		3+00N							53			
		3+25N							97			
		3+50N							86			
		3+75N							80			
		4+00N							200			
		4+25N							40			

Area: Alfie

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PLACER DEVELOPMENT LIMITED

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Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	P P M											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80
A	6+00E 4+50N	0068			276	41	1.1			0.3				
	4+75N				380	101	1.3			0.4				
	5+00N				550	144	3.1			0.9				
	5+25N				530	199	0.8			0.8				
	5+50N				600	240	1.4			0.6				
	5+75N				760	200	0.9			0.5				
	7+00E 0+25N				540	310	2.8			1.1				
	0+50N				620	135	3.6			0.5				
	0+75N				380	86	0.9			0.2-				
	1+00N				290	89	1.7			0.7				
	1+25N				480	52	4.0			0.2-				
	1+50N				81	28	0.4			0.2-				
	1+75N				270	59	0.8			0.2-				
	2+00N				700	140	5.2			0.8				
	2+25N				310	90	3.0			0.3				
	2+50N				1080	120	2.3			0.2				
	2+75N				1150	360	6.2			0.8				
	3+00N				720	290	4.3			1.6				
	3+25N				570	150	4.4			1.1				
	3+50N				620	67	4.3			1.2				
	3+75N				510	217	3.6			0.2				
	4+00N				960	131	2.1			0.2				
	4+25N				690	99	3.7			2.1				
	4+50N				580	80	1.8			0.4				
	4+75N				750	135	2.4			0.8				

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1 Card Type	SAMPLE No. 2–16	Lab. Proj. 17–20	PPM F 21–25	PPM As 26–30	PPM Bi 31–35	PPM Mn 36–40	PPM Fe 41–45	PPB Hg 46–50	% Ba 51–55	% L.O.I. 56–60	61–80
B	6+00E 4+50N	0068						49			
	4+75N							96			
	5+00N							325			
	5+25N							450			
	5+50N							270			
	5+75N							66			
	7+00E 0+25N							800			
	0+50N							365			
	0+75N							105			
	1+00N							235			
	1+25N							60			
	1+50N							120			
	1+75N							213			
	2+00N							540			
	2+25N							225			
	2+50N							550			
	2+75N							1080			
	3+00N							400			
	3+25N							560			
	3+50N							532			
	3+75N							552			
	4+00N							210			
	4+25N							1480			
	4+50N							210			
	4+75N							650			

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Card Type	SAMPLE No.	Lab. Proj.	P P M											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
	1 2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80
A	7+00E 5+00N	0068			590	210	1.0			0.4				
	5+25N				380	164	2.0			0.5				
	5+50N				230	108	1.2			0.5				
	5+75N				440	152	2.3			1.0				
	6+00N				800	820	2.7			1.0				
	6+25N				260	92	0.8			1.0				
	6+50N				106	42	0.6			0.2				
	8+00E 0+25N				1120	310	8.3			1.0				
	0+50N				730	163	3.4			0.7				
	0+75N				270	72	1.1			0.3				
	1+00N				270	70	1.3			0.6				
	1+25N				251	80	1.5			0.7				
	1+50N				470	51	1.9			0.2				
	1+75N				230	66	1.5			0.8				
	2+00N				590	204	4.8			1.2				
	2+25N				680	230	2.8			0.9				
	2+75N				1940	330	3.6			0.7				
	3+00N				1370	167	2.1			0.2				
	3+25N				700	113	1.6			0.3				
	3+50N				940	174	2.2			0.2-				
	3+75N				304	92	1.8			0.2				
	4+00N				275	53	5.9			1.3				
	4+25N				460	45	7.6			1.0				
	4+50N				202	90	1.3			0.2				
	4+75N				330	82	1.0			0.2-				

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Geologist: D. Jenkins

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Card Type	SAMPLE No.		Lab. Proj.	P P M					PPB	%		
				F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
	2 16		17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
B	7+00E	5+00N	0068						930			
		5+25N							450			
		5+50N							230			
		5+75N							710			
		6+00N							510			
		6+25N							280			
		6+50N							96			
	8+00E	0+25N							610			
		0+50N							247			
		0+75N							380			
		1+00N							280			
		1+25N							290			
		1+50N							165			
		1+75N							210			
		2+00N							580			
		2+25N							1160			
		2+75N							570			
		3+00N							260			
		3+25N							96			
		3+50N							170			
		3+75N							72			
		4+00N							153			
		4+25N							500			
		4+50N							100			
		4+75N							72			

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Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	Mo (PPM)	Cu (PPM)	Zn (PPM)	Pb (PPM)	Cd (PPM)	Ni (PPM)	Co (PPM)	Ag (PPM)	Au (PPM)	U (PPM)	V (PPM)	W (PPM)
A	8+00E 5+00N	0068			610	70	0.9			0.2-				
	5+25N				125	171	0.6			0.4				
	5+50N				225	81	1.0			0.2				
	5+75N				137	61	0.6			0.3				
	6+00N				370	207	1.4			1.0				
	6+25N				820	241	1.6			0.4				
	6+50N				710	300	1.9			0.2-				
	6+75N				420	171	1.5			0.4				
	7+00N				530	620	1.6			0.2-				
	7+25N				335	202	1.1			0.9				
	7+50N				480	410	1.5			1.2				

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Card Type	SAMPLE No.	Lab. Proj.	P P M					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
B	8+00E 5+00N	0068						69			
	5+25N							72			
	5+50N							200			
	5+75N							76			
	6+00N							300			
	6+25N							380			
	6+50N							65			
	6+75N							72			
	7+00N							270			
	7+25N							335			
	7+50N							250			

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Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	P P M											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	0+25W - 0+00S	0098			3160	360	13.2			1.0				
	0+50W - 0+00S				2630	360	9.9			2.1				
	0+75W - 0+00S				2770	470	11.9			1.9				
	1+00W - 0+25S				5250	280	13.5			0.2				
	0+75S				11000	8300	37.0			0.3				
	1+25S				4400	740	15.5			0.2				
	1+75S				118	24	1.2			0.5				
	2+00S				188	30	0.8			0.2				
	2+25S				128	16	0.6			0.2-				
	2+50S				82	16	0.5			0.2-				
	2+75S				102	11	0.5			0.3				
	3+00S				127	15	0.6			0.4				
	3+25S				2030	49	9.6			1.1				
	3+50S				1510	40	6.2			0.5				
	3+75S				147	19	0.8			0.5				
	4+00S				113	18	0.5			0.2-				
	4+25S				152	17	0.6			0.3				
	4+50S				116	16	0.5			0.2				
	4+75S				132	14	0.5			0.2-				
	5+00S				153	19	0.5			0.2				
	5+25S				220	17	1.2			1.0				
	5+50S				305	17	2.4			0.3				
	5+75S				119	18	1.5			0.2				
	6+00S				162	18	0.6			0.2				
	6+25S				330	23	1.4			0.2				
	0+75W - 0+25S				2700	420	9.8			0.2				

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Geologist: D. Jenkins

Date: August 6/80 Page 1 of 16

Card Type	SAMPLE No.	Lab. Proj.	P P M					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
	2 14	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	0+25W - 0+00S	0098						1150			
	0+50W - 0+00S							1276			
	0+75W - 0+00S							2302			
	1+00W - 0+25S							654			
	0+75S							2600+			
	1+25S							376			
	1+75S							56			
	2+00S							100			
	2+25S							148			
	2+50S							132			
	2+75S							160			
	3+00S							116			
	3+25S							1104			
	3+50S							376			
	3+75S							126			
	4+00S							230			
	4+25S							262			
	4+50S							116			
	4+75S							92			
	5+00S							132			
	5+25S							118			
	5+50S							148			
	5+75S							122			
	6+00S							126			
	6+25S							1760			

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Card Type	SAMPLE No.	Lab. Proj.	PPM Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	1+00W - 6+50S	0098			85	16	0.4			0.2				
	6+75S				167	14	0.5			0.4				
	7+00S				180	15	0.6			0.4				
	7+25S				91	13	0.5			0.3				
	7+50S				50	14	0.5			0.2-				
	2+00W - 0+00S				2440	190	12.8			0.8				
	0+25S				2020	321	8.8			1.6				
	0+50S				240	37	1.9			0.6				
	0+75S				530	39	2.2			1.0				
	1+00S				317	44	1.6			0.6				
	1+25S				740	68	4.3			0.5				
	1+75S				225	16	1.6			0.6				
	2+00S				142	14	0.3			0.5				
	2+25S				131	16	0.3			1.4				
	2+50S				152	14	0.6			1.3				
	2+75S				201	18	0.8			0.8				
	3+00S				114	13	0.5			0.2				
	3+25S				158	14	0.3			0.4				
	3+50S				150	15	0.4			0.4				
	3+75S				145	16	0.4			0.4				
	4+00S				201	12	0.3			0.8				
	4+25S				180	15	0.4			1.4				
	4+50S				103	13	0.3			0.2-				
	4+75S				107	9	0.3			0.4				
	5+00S				164	10	0.4			1.0				

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Card Type	SAMPLE No.	Lab. Proj.	PPM F	PPM As	PPM Bi	PPM Mn	PPM Fe	PPB Hg	% Ba	% L.O.I.	
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	1+00W - 6+50S	0098						1136			
	6+75S							102			
	7+00S							66			
	7+25S							58			
	7+50S							64			
	2+00W - 0+00S							816			
	0+25S							692			
	0+50S							204			
	0+75S							210			
	1+00S							368			
	1+25S							222			
	1+75S							216			
	2+00S							162			
	2+25S							172			
	2+50S							68			
	2+75S							34			
	3+00S							14			
	3+25S							12			
	3+50S							18			
	3+75S							60			
	4+00S							24			
	4+25S							46			
	4+50S							16			
	4+75S							19			
	5+00S							24			

Area: Alfie

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Card Type	SAMPLE No.	Lab. Proj.	P P M											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	2+00W - 5+25S	0098			108	12	0.3			0.4				
	5+50S				147	13	0.2			0.2				
	5+75S				217	15	0.2			0.2				
	6+00S				121	16	0.1			0.2-				
	6+25S				111	15	0.1			0.2-				
	6+50S				57	9	0.1			0.2				
	6+75S				129	10	0.1			0.4				
	7+00S				90	7	0.1			0.5				
	7+25S				135	12	0.1			0.2				
	7+50S				146	16	0.2			0.7				
	2+25W - 0+00S				400	51	1.8			0.2				
	2+50W - 0+00S				160	22	0.5			0.3				
	2+75W - 0+00S				142	17	0.6			0.2				
	3+00W - 0+00S				80	14	0.3			0.5				
	0+25S				126	21	0.6			0.4				
	0+50S				176	21	0.8			0.6				
	0+75S				114	15	1.3			0.4				
	1+00S				96	14	0.4			0.2				
	1+25S				170	17	0.5			1.3				
	1+50S				95	14	0.2			0.1				
	1+75S				63	15	0.2			0.2				
	2+00S				100	17	0.6			0.3				
	2+25S				246	25	0.6			0.7				
	2+50S				155	16	0.7			0.6				
	2+75S				214	12	0.7			0.4				

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Card Type	SAMPLE No.	Lab. Proj.	P P M					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
	1 2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	2+00W - 5+25S	0098						6			
	5+50S							40			
	5+75S							12			
	6+00S							14			
	6+25S							8			
	6+50S							0			
	6+75S							6			
	7+00S							3			
	7+25S							32			
	7+50S							78			
	2+25W - 0+00S							92			
	2+50W - 0+00S							30			
	2+75W - 0+00S							12			
	3+00W - 0+00S							46			
	0+25S							52			
	0+50S							428			
	0+75S							68			
	1+00S							40			
	1+25S							196			
	1+50S							34			
	1+75S							26			
	2+00S							50			
	2+25S							124			
	2+50S							98			
	2+75S							82			

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Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	P P M											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
	1 2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80
A	3+00W - 3+00S	0098			187	14	1.2			0.4				
	3+25S				199	26	1.3			1.1				
	3+50S				156	9	0.2			0.4				
	3+75S				123	16	0.1			0.2-				
	4+00S				153	23	0.1			0.7				
	4+25S				108	13	0.1			0.2-				
	4+50S				210	48	0.3			0.3				
	4+75S				313	39	0.3			0.6				
	5+00S				160	32	0.2			0.4				
	5+25S				303	31	0.3			0.3				
	5+50S				137	17	0.1			0.2-				
	5+75S				85	15	0.1-			0.2-				
	6+00S				71	14	0.1-			0.2-				
	6+25S				312	52	0.6			0.3				
	6+50S				180	21	0.2			0.2-				
	6+75S				91	17	0.2			0.2-				
	7+00S				84	14	0.1-			0.2-				
	7+25S				103	15	0.1			0.2-				
	7+50S				58	12	0.2			0.2-				

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Card Type 1	SAMPLE No. 2–16	Lab. Proj. 17–20	PPM F 21–25	PPM As 26–30	PPM Bi 31–35	PPM Mn 36–40	PPM Fe 41–45	PPB Hg 46–50	% Ba 51–55	% L.O.I. 56–60	61–80
A	3+00W - 3+00S	0098						48			
	3+25S							86			
	3+50S							64			
	3+75S							56			
	4+00S							52			
	4+25S							12			
	4+50S							52			
	4+75S							78			
	5+00S							122			
	5+25S							156			
	5+50S							88			
	5+75S							66			
	6+00S							22			
	6+25S							1354			
	6+50S							76			
	6+75S							24			
	7+00S							76			
	7+25S							54			
	7+50S							48			

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Card Type	SAMPLE No.	Lab. Proj.	P P M											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	8+25E - 0+00N	0098			680	251	4.0			0.6				
	8+50E - 0+00N				520	103	1.9			0.2-				
	8+75E - 0+00N				109	24	0.4			0.2-				
	9+00E - 0+00N				520	30	1.1			0.2-				
	0+25N				66	36	0.7			0.6				
	0+50N				32	24	0.2			0.2				
	0+75N				91	58	0.7			0.2-				
	1+00N				620	282	2.0			0.2				
	1+25N				710	276	5.3			0.2-				
	1+50N				565	109	2.3			0.3				
	1+75N				329	43	5.8			0.2-				
	2+00N				640	171	3.6			0.2-				
	2+25N				1020	88	8.4			0.2				
	2+50N				383	69	2.8			0.2-				
	2+75N				1120	209	7.6			1.3				
	3+00N				540	80	2.5			0.4				
	3+25N				760	82	3.3			0.2				
	3+50N				670	106	5.3			0.7				
	3+75N				280	73	1.6			0.5				
	4+00N				800	71	2.7			0.3				
	4+75N				500	78	1.6			0.6				
	5+50N				410	117	2.3			0.5				
	5+75N				610	123	2.9			0.2-				
	6+00N				700	105	4.4			0.6				
	6+25N				284	100	2.5			1.0				

Area: Alfie

Map Sheet No.:

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

soils

Geologist: D. Jenkins

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Card Type 1	SAMPLE No. 2–16	Lab. Proj. 17–20	P P M F 21–25	P P M As 26–30	P P M Bi 31–35	P P M Mn 36–40	P P M Fe 41–45	P P B Hg 46–50	% Ba 51–55	% L.O.I. 56–60	61–80
A	8+25E - 0+00N	0098						312			
	8+50E - 0+00N							66			
	8+75E - 0+00N							166			
	9+00E - 0+00N							150			
	0+25N							28			
	0+50N							10			
	0+75N							22			
	1+00N							90			
	1+25N							172			
	1+50N							66			
	1+75N							20			
	2+00N							58			
	2+25N							38			
	2+50N							88			
	2+75N							110			
	3+00N							120			
	3+25N							74			
	3+50N							98			
	3+75N							208			
	4+00N							80			
	4+75N							352			
	5+50N							270			
	5+75N							372			
	6+00N							770			
	6+25N							270			

Area: Alfie

Map Sheet No.:

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

soils

Geologist: D Jenkins

Date: August 6/80 Page 6 of 16

Card Type	SAMPLE No.	Lab. Proj.	P P M											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	9+00E - 6+50N	0098			470	183	1.8			0.8				
	6+75N				380	131	2.2			0.2-				
	7+00N				320	168	1.3			0.3				
	7+25N				580	193	1.7			0.5				
	7+50N				165	123	0.9			0.5				
	7+75N				311	730	1.2			0.6				
	8+00N				290	288	1.0			0.2-				
	8+25N				410	560	1.5			1.0				
	8+50N				1300	680	3.3			0.6				
	8+75N				850	530	3.6			1.0				
	9+25E - 0+00N				390	104	2.5			0.2				
	9+50E - 0+00N				1010	134	2.0			0.2				
	9+75E - 0+00N				880	192	3.1			0.2-				
	10+00E - 0+00N				540	83	1.9			0.2-				
	0+25N				720	168	1.9			0.2				
	0+50N				330	41	1.6			0.2-				
	0+75N				282	42	1.1			0.3				
	1+00N				20	66	0.7			0.2				
	1+25N				485	188	3.5			0.3				
	1+50N				175	54	1.1			0.2				
	1+75N				2250	100	12.5			0.2				
	2+00N				960	100	2.2			0.2-				
	2+25N				460	166	8.3			0.2				
	2+50N				550	82	5.2			0.7				
	2+75N				127	38	1.9			0.2-				

Area: Alfie

Map Sheet No.:

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PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

soils

Geologist: D. Jenkins

Date: August 6/80 Page 6 of 16

Card Type	SAMPLE No.	Lab. Proj.	P P M					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	9+00E - 6+50N	0098						410			
	6+75N							280			
	7+00N							222			
	7+25N							574			
	7+50N							264			
	7+75N							274			
	8+00N							168			
	8+25N							252			
	8+50N							226			
	8+75N							222			
	9+25E - 0+00N							92			
	9+50E - 0+00N							400			
	9+75E - 0+00N							334			
	10+00E - 0+00N							84			
	0+25N							100			
	0+50N							78			
	0+75N							86			
	1+00N							32			
	1+25N							60			
	1+50N							34			
	1+75N							78			
	2+00N							48			
	2+25N							228			
	2+50N							104			
	2+75N							124			

Area: Alfie

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PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

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Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	PPM Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80
A	10+00E - 3+00N	0098			680	102	2.2			0.2-				
	3+25N				480	66	3.2			0.2-				
	3+50N				740	142	3.1			0.4				
	3+75N				108	85	1.2			0.2				
	4+00N				840	216	2.2			0.2				
	4+25N				310	144	1.6			0.3				
	4+50N				830	297	3.2			0.2				
	4+75N				850	187	2.6			0.2				
	5+00N				1040	370	5.2			0.2-				
	5+25N				365	157	1.8			0.2-				
	5+50N				181	37	1.1			0.2-				
	5+75N				373	61	1.7			0.2-				
	6+00N				390	140	2.5			0.2-				
	6+25N				350	148	3.1			0.7				
	6+50N				530	301	2.0			0.5				
	6+75N				460	199	2.4			0.3				
	7+00N				420	470	2.3			0.2				
	7+25N				266	199	1.0			0.2-				
	7+50N				600	134	0.9			0.2				
	7+75N				211	230	0.9			0.3				
	8+00N				710	227	1.2			0.2				
	8+25N				660	226	1.5			0.4				
	8+50N				129	70	0.8			0.3				
	8+75N				1230	560	2.2			0.3				
	9+00N				1540	345	5.8			0.8				

Area: Alfie

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Geochemistry Analysis Sheet No. 2.

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Geologist: D. Jenkins

Date: August 6/80 Page 7 of 16

Card Type	SAMPLE No.	Lab. Proj.	PPM					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	10+00E - 3+00N	0098						38			
	3+25N							36			
	3+50N							280			
	3+75N							138			
	4+00N							346			
	4+25N							344			
	4+50N							738			
	4+75N							266			
	5+00N							4056			
	5+25N							1298			
	5+50N							158			
	5+75N							208			
	6+00N							88			
	6+25N							72			
	6+50N							206			
	6+75N							94			
	7+00N							74			
	7+25N							76			
	7+50N							42			
	7+75N							184			
	8+00N							38			
	8+25N							66			
	8+50N							46			
	8+75N							72			
	9+00N							100			

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PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

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Geologist: D Jenkins

Date: August 6/80 Page 8 of 16

Card Type 1	SAMPLE No. 2-16	Lab. Proj. 17-20	P P M Mo 21-25	Cu 26-30	Zn 31-35	Pb 36-40	Cd 41-45	Ni 46-50	Co 51-55	Ag 56-60	Au 61-65	U 66-70	V 71-75	W 76-80
A	10+00E - 9+25N	0098			1560	570	5.2			1.0				
	9+50N				1020	344	4.5			1.2				
	10+25E - 0+00N				345	99	1.6			0.8				
	10+50E - 0+00N				560	108	1.4			0.3				
	10+75E - 0+00N				425	96	1.6			0.3				
	11+00E - 0+00N				520	100	1.8			0.4				
	0+25N				750	103	2.0			0.2-				
	0+50N				980	158	3.5			0.2-				
	0+75N				560	96	2.5			0.2-				
	1+00N				128	18	14.3			2.0				
	1+25N				310	105	3.6			0.6				
	1+50N				780	210	5.7			0.5				
	1+75N				520	130	1.4			0.2				
	2+00N				880	205	3.4			0.3				
	2+25N				346	60	1.2			0.3				
	2+50N				710	76	6.5			0.8				
	2+75N				250	94	1.8			0.8				
	3+00N				1110	70	3.4			0.6				
	3+25N				610	129	2.4			0.3				
	3+50N				550	80	1.7			0.3				
	3+75N				273	66	2.3			0.3				
	4+00N				690	145	4.0			0.8				
	4+25N				650	153	4.1			0.4				
	4+50N				340	92	2.4			0.8				
	4+75N				610	179	3.1			0.6				

Area: Alfie

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PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

Geologist: D. Jenkins

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Card Type 1	SAMPLE No. 2–16	Lab. Proj. 17–20	PPM F 21–25	PPM As 26–30	PPM Bi 31–35	PPM Mn 36–40	PPM Fe 41–45	PPB Hg 46–50	% Ba 51–55	% L.O.I. 56–60	61–80
A	10+00E - 9+25N	0098						150			
	9+50N							146			
	10+25E - 0+00N							378			
	10+50E - 0+00N							82			
	10+75E - 0+00N							44			
	11+00E - 0+00N							92			
	0+25N							100			
	0+50N							118			
	0+75N							56			
	1+00N							580			
	1+25N							180			
	1+50N							345			
	1+75N							120			
	2+00N							175			
	2+25N							50			
	2+50N							130			
	2+75N							230			
	3+00N							215			
	3+25N							440			
	3+50N							130			
	3+75N							440			
	4+00N							210			
	4+25N							320			
	4+50N							235			
	4+75N							995			

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PLACER DEVELOPMENT LIMITED

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Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	PPM Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80
A	11+00E - 5+00N	0098			760	147	2.9			0.2				
	5+25N				331	49	1.1			0.2-				
	5+50N				380	45	0.7			0.2-				
	5+75N				52	35	0.5			0.2-				
	6+00N				530	245	3.2			0.5				
	6+25N				450	71	1.6			0.2				
	6+50N				440	141	1.9			0.4				
	6+75N				620	188	3.2			1.0				
	7+00N				660	120	1.0			0.2				
	7+25N				235	103	0.9			0.4				
	7+50N				307	171	1.2			0.6				
	7+75N				290	194	0.9			0.2-				
	8+00N				213	135	1.0			0.4				
	8+25N				480	288	2.1			0.4				
	8+50N				600	343	1.7			0.6				
	8+75N				860	186	1.7			0.2-				
	9+00N				194	120	1.8			0.2-				
	9+25N				1220	350	3.1			0.4				
	9+50N				106	46	1.3			0.3				
	9+75N				263	160	1.4			0.2				
	10+00N				820	190	2.7			0.3				
	10+25N				212	50	0.9			0.2				
	10+50N				131	59	0.8			0.4				
	11+25E - 0+00N				1010	145	2.8			0.2				
	11+50E - 0+00N				550	76	1.7			0.2				

Area: Alfie

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PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

Geologist: D. Jenkins

Date: August 6/80 Page 9 of 16

Card Type	SAMPLE No.	Lab. Proj.	P P M					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
1	7 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	11+00E - 5+00N	0098						92			
	5+25N							54			
	5+50N							5-			
	5+75N							18			
	6+00N							160			
	6+25N							150			
	6+50N							290			
	6+75N							126			
	7+00N							110			
	7+25N							190			
	7+50N							72			
	7+75N							90			
	8+00N							270			
	8+25N							324			
	8+50N							230			
	8+75N							88			
	9+00N							316			
	9+25N							436			
	9+50N							192			
	9+75N							298			
	10+00N							28			
	10+25N							46			
	10+50N							74			
	11+25E - 0+00N							268			
	11+50E - 0+00N							112			

Area: Alfie

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Geochemistry Analysis Sheet No. 1.

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Geologist: D Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	P P M											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80
A	11+75E - 0+00N	0098			910	137	3.3			0.2				
	12+00E - 0+00N				700	195	3.5			0.2				
	0+25N				560	70	5.1			0.2-				
	0+50N				420	69	0.8			0.2-				
	0+75N				257	47	0.5			0.2-				
	1+00N				850	145	2.0			0.7				
	1+25N				520	78	1.3			0.4				
	1+50N				700	179	3.4			0.5				
	1+75N				880	211	7.1			0.4				
	2+00N				520	130	2.0			0.3				
	2+25N				390	200	1.5			0.8				
	2+50N				610	146	2.8			0.2				
	2+75N				490	151	2.7			1.0				
	3+00N				580	78	1.4			0.2-				
	3+25N				400	31	1.0			0.2-				
	3+50N				680	147	1.8			0.3				
	3+75N				740	65	2.1			0.5				
	4+00N				540	73	3.0			0.3				
	4+25N				680	65	11.3			1.1				
	4+50N				900	137	10.7			1.9				
	4+75N				1160	196	5.5			0.8				
	5+00N				690	92	5.7			0.5				
	5+25N				420	30	12.1			0.9				
	5+50N		Not Received											
	5+75N				202	13	8.2			0.3				

Area: Alfie

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Geochemistry Analysis Sheet No. 2.

Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	PPM					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	11+75E - 0+00N	0098						220			
	12+00E - 0+00N							400			
	0+25N							154			
	0+50N							74			
	0+75N							34			
	1+00N							222			
	1+25N							76			
	1+50N							114			
	1+75N							102			
	2+00N							62			
	2+25N							140			
	2+50N							54			
	2+75N							411			
	3+00N							188			
	3+25N							68			
	3+50N							478			
	3+75N							242			
	4+00N							162			
	4+25N							376			
	4+50N							178			
	4+75N							464			
	5+00N							122			
	5+25N							344			
	5+50N		Not Received								
	5+75N							80			

Area: Alfie

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PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

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Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	P P M Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	12+00E - 6+00N	0098			560	78	3.2			1.0				
	6+25N				930	106	7.6			1.0				
	6+50N		Not received											
	6+75N				740	93	3.2			0.9				
	7+00N				430	85	1.5			0.8				
	7+25N				480	61	0.7			0.2				
	7+50N				470	179	1.2			0.2-				
	7+75N				350	206	1.0			0.8				
	8+00N				440	289	1.4			1.-				
	8+25N				510	216	0.8			0.2				
	8+50N				300	212	1.1			0.9				
	8+75N				720	350	1.9			1.4				
	9+00N				830	262	3.6			1.4				
	9+25N				410	157	2.8			0.8				
	9+50N				108	300	4.4			1.0				
	9+75N		Not Received											
	10+00N		Not Received											
	10+25N				215	55	0.7			0.2-				
	10+50N				290	137	0.8			0.5				
	10+75N				225	120	0.9			0.9				
	11+00N				258	115	1.5			1.0				
	11+25N				450	169	1.7			1.1				
	11+50N				1310	570	3.8			0.4				
	12+25E - 0+00N				600	86	3.1			0.2-				
	12+50E - 0+00N				930	268	4.2			0.4				

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Card Type	SAMPLE No.	Lab. Proj.	P P M					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
	1 2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	12+00E - 6+00N	0098						138			
	6+25N							128			
	6+50N		Not Received								
	6+75N							174			
	7+00N							332			
	7+25N							26			
	7+50N							96			
	7+75N							152			
	8+00N							130			
	8+25N							80			
	8+50N							188			
	8+75N							306			
	9+00N							182			
	9+25N							170			
	9+50N							398			
	9+75N		Not Received								
	10+00N		Not Received								
	10+25N							62			
	10+50N							226			
	10+75N							198			
	11+00N							110			
	11+25N							198			
	11+50N							104			
	12+25E - 0+00N							170			
	12+50E - 0+00N							956			

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PLACER DEVELOPMENT LIMITED

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Card Type	SAMPLE No.	Lab. Proj.	PPM											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	12+75E - 0+00N	0098			690	192	2.7			0.2-				
	13+00E - 0+00N				440	82	1.2			0.4				
	0+25N				236	45	1.3			0.2-				
	0+50N				450	104	1.7			0.2-				
	0+75N				312	52	1.6			0.2-				
	1+00N				690	71	1.9			0.2-				
	1+25N				860	125	3.4			0.2-				
	1+50N				620	91	2.1			0.3				
	1+75N				284	45	0.9			0.2-				
	2+00N				299	50	0.8			0.2-				
	2+25N				810	193	6.7			1.2				
	2+50N				340	79	2.7			0.2-				
	2+75N				660	134	4.2			0.2-				
	3+00N				720	82	2.3			0.2-				
	3+25N				980	86	2.7			0.2				
	3+50N				500	34	2.0			0.2				
	3+75N				1030	117	2.3			0.2				
	4+00N				130	13	17.6			0.4				
	4+25N				177	9	6.6			0.2				
	4+50N				590	65	2.6			0.2				
	4+75N				760	224	3.2			0.3				
	5+00N				620	43	14.8			0.2				
	5+25N				270	41	2.2			0.2				
	5+50N				257	23	12.0			0.3				
	5+75N				540	69	2.5			0.2-				

Area: Alfie

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Geochemistry Analysis Sheet No. 2.

Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	PPM					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	12+75E - 0+00N	0098						660			
	13+00E - 0+00N							132			
	0+25N							16			
	0+50N							26			
	0+75N							8			
	1+00N							28			
	1+25N							36			
	1+50N							93			
	1+75N							24			
	2+00N							10			
	2+25N							202			
	2+50N							90			
	2+75N							696			
	3+00N							110			
	3+25N							206			
	3+50N							30			
	3+75N							386			
	4+00N							116			
	4+25N							NSS			
	4+50N							56			
	4+75N							314			
	5+00N							348			
	5+25N							34			
	5+50N							112			
	5+75N							50			

Area: Alfie

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Card Type	SAMPLE No.	Lab. Proj.	PPM Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	13+00E - 6+00N	0098			890	55	1.8			0.2-				
	6+25N				830	112	4.6			0.8				
	6+50N				650	90	4.0			0.2				
	6+75N				370	147	2.9			0.4				
	7+00N				610	250	4.9			0.3				
	7+25N				510	133	3.1			0.3				
	7+50N				440	95	2.0			0.2-				
	7+75N				600	324	2.3			0.3				
	8+00N				590	178	1.6			0.2-				
	8+25N				240	134	1.2			0.2-				
	8+50N				750	347	2.5			0.2-				
	8+75N				740	336	2.6			0.3				
	9+00N				1280	425	4.5			0.2-				
	9+25N				320	143	3.2			0.2-				
	9+50N				590	219	2.7			0.2-				
	9+75N				362	130	2.1			0.2-				
	10+00N				1360	380	3.5			0.2-				
	10+25N				1380	202	3.5			0.2				
	10+50N				235	84	1.5			0.2-				
	10+75N				218	103	1.5			0.2-				
	11+00N				870	310	4.3			0.2				
	11+25N				810	210	3.8			0.2-				
	11+50N				1040	300	6.7			0.2-				
	11+75N				1620	214	6.0			0.5				
	12+00N				950	198	3.4			0.6				

Area: Alfie

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PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	PPM					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	13+00E - 6+00N	0098						48			
	6+25N							140			
	6+50N							170			
	6+75N							182			
	7+00N							426			
	7+25N							126			
	7+50N							28			
	7+75N							200			
	8+00N							50			
	8+25N							250			
	8+50N							62			
	8+75N							246			
	9+00N							124			
	9+25N							264			
	9+50N							342			
	9+75N							62			
	10+00N							282			
	10+25N							44			
	10+50N							74			
	10+75N							134			
	11+00N							212			
	11+25N							252			
	11+50N							194			
	11+75N							256			
	12+00N							334			

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PLACER DEVELOPMENT LIMITED

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Card Type - 1	SAMPLE No. 2-16	Lab. Proj. 17-20	PPM Mo 21-25	Cu 26-30	Zn 31-35	Pb 36-40	Cd 41-45	Ni 46-50	Co 51-55	Ag 56-60	Au 61-65	U 66-70	V 71-75	W 76-80
A	13+00E - 12+25N	0098			670	174	2.2			0.2-				
	12+50N				520	160	1.9			0.3				
	13+25E - 0+00N				710	124	1.5			0.6				
	13+50E - 0+00N				15	23	0.3			0.2-				
	13+75E - 0+00N				219	66	1.6			0.3				
	14+00E - 0+00N				280	210	1.3			0.4				
	0+25N				500	157	1.6			0.5				
	0+50N				200	46	0.8			0.3				
	0+75N				820	152	1.4			0.5				
	1+00N				254	94	4.7			0.9				
	1+25N				560	203	3.4			0.7				
	1+50N				600	200	5.1			1.8				
	1+75N				820	111	3.7			0.4				
	2+00N				510	68	1.0			0.2				
	2+25N				460	175	2.3			0.3				
	2+50N				530	122	1.6			0.2				
	2+75N				460	66	5.8			0.6				
	3+00N				830	104	3.7			0.5				
	3+25N				530	73	1.9			0.8				
	3+50N				810	179	2.8			0.6				
	3+75N				1310	470	3.5			1.1				
	4+00N				230	35	4.5			0.5				
	4+25N				340	46	4.1			0.6				
	4+50N				140	188	3.8			0.8				
	4+75N				910	178	1.9			0.4				

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Card Type 1	SAMPLE No. 2-16	Lab. Proj. 17-20	P P M F 21-25	P P M As 26-30	P P M Bi 31-35	P P M Mn 36-40	P P M Fe 41-45	PPB Hg 46-50	% Ba 51-55	% L.O.I. 56-60	61-80
A	13+00E - 12+25N	0098						200			
	12+50N							164			
	13+25E - 0+00N							146			
	13+50E - 0+00N							16			
	13+75E - 0+00N							40			
	14+00E - 0+00N							74			
	0+25N							54			
	0+50N							38			
	0+75N							90			
	1+00N							130			
	1+25N							110			
	1+50N							290			
	1+75N							100			
	2+00N							105			
	2+25N							230			
	2+50N							145			
	2+75N							155			
	3+00N							185			
	3+25N							130			
	3+50N							375			
	3+75N							400			
	4+00N							60			
	4+25N							140			
	4+50N							600			
	4+75N							280			

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PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

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Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	PPM Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
	1 2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80
A	14+00E - 5+00N	0098			800	119	1.7			0.2-				
	5+25N				1035	195	6.9			1.2				
	5+50N				900	124	1.4			0.7				
	5+75N				400	65	1.4			0.2-				
	6+00N				360	136	1.2			1.0				
	6+25N				400	87	1.3			0.3				
	6+50N				690	128	1.7			0.8				
	6+75N				700	176	2.1			1.3				
	7+00N				600	100	1.7			1 0				
	7+25N				440	98	1.9			0.8				
	7+50N				290	63	2.1			1.1				
	7+75N				470	100	4.0			0.4				
	8+00N				480	182	1.5			0.2				
	8+25N				390	191	1.2			0.8				
	8+50N				350	154	1.2			0.7				
	8+75N				270	231	1.4			1.1				
	9+00N				115	87	1.0			1.1				
	9+25N				510	221	2.4			0.9				
	9+50N				610	204	2.3			1.1				
	9+75N				350	143	2.9			0.5				
	10+00N				145	82	0.7			0.2				
	10+25N				1170	500	3.1			0.9				
	10+50N				370	160	1.5			0.7				
	10+75N				850	309	2.5			1.0				
	11+00N				840	262	3.1			0.3				

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Geochemistry Analysis Sheet No. 2.

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Card Type 1	SAMPLE No. 2-16	Lab. Proj. 17-20	PPM F 21-25	PPM As 26-30	PPM Bi 31-35	PPM Mn 36-40	PPM Fe 41-45	PPB Hg 46-50	% Ba 51-55	% L.O.I. 56-60	61-80
A	14+00E - 5+00N	0098						175			
	5+25N							990			
	5+50N							400			
	5+75N							60			
	6+00N							170			
	6+25N							120			
	6+50N							106			
	6+75N							610			
	7+00N							216			
	7+25N							200			
	7+50N							275			
	7+75N							200			
	8+00N							70			
	8+25N							325			
	8+50N							150			
	8+75N							190			
	9+00N							200			
	9+25N							330			
	9+50N							300			
	9+75N							205			
	10+00N							1000+			
	10+25N							1000+			
	10+50N							160			
	10+75N							290			
	11+00N							108			

Area: Alfie

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Card Type	SAMPLE No.	Lab. Proj.	PPM											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80
A	14+00E - 11+25N	0098			680	261	2.1			0.4				
	11+50N				670	152	1.6			0.2-				
	11+75N				940	242	1.7			0.2-				
	12+00N				710	190	1.0			0.6				
	12+25N				710	166	2.4			0.2				
	12+50N				160	70	0.8			0.2				
	12+75N				273	131	0.6			0.2-				
	13+00N				202	100	0.7			0.2				

Area: Alfie

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PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

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Geologist: D. Jenkins

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Card Type	SAMPLE No.	Lab. Proj.	P P M					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	14+00E - 11+25N	0098						162			
	11+50N							4			
	11+75N							0			
	12+00N							176			
	12+25N							6			
	12+50N							12			
	12+75N							0			
	13+00N							10			

LIST OF GEOCHEMICAL DATA FROM VENTURE 97 ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
1000E	1450N	0107	96	35	0.5	<0.2	46
1000E	1525N	0107	217	68	1.1	<0.2	59
1100E	1350N	0107	1075	323	4.0	0.2	56
1100E	1375N	0107	322	93	1.2	0.3	73
1100E	1400N	0107	211	105	1.1	<0.2	16
1200E	1250N	0107	8200	2080	26.5	3.5	600
1200E	1275N	0107	540	358	2.4	1.0	402
1200E	1300N	0107	1450	255	3.5	<0.2	36
1200E	1325N	0107	450	166	1.6	0.2	33
1200E	1350N	0107	680	73	2.2	0.2	71
1300E	1275N	0107	140	78	0.7	0.2	31
1300E	1300N	0107	319	112	2.2	<0.2	200
1300E	1325N	0107	230	110	1.0	0.3	89
1300E	1375N	0107	286	104	0.8	0.2	120
1300E	1400N	0107	222	106	0.7	0.2	172
1300E	1425N	0107	282	113	1.0	0.2	240
1300E	1450N	0107	870	114	1.8	0.4	400
1300E	1500N	0107	184	86	1.5	<0.2	216
1400E	1350N	0107	350	127	0.8	0.3	68
1400E	1375N	0107	1720	290	3.7	0.2	47
1400E	1400N	0107	37	60	0.2	<0.2	7
1400E	1425N	0107	570	97	2.0	0.3	31
1400E	1450N	0107	115	120	0.6	1.3	263
1400E	1475N	0107	293	103	2.0	0.6	96
1400E	1500N	0107	420	30	3.2	0.6	33
1400E	1525N	0107	910	97	4.6	1.7	235
1500E	1000N	0107	1190	410	4.7	1.7	254
1500E	1025N	0107	960	265	2.4	1.1	273
1500E	1050N	0107	1230	268	8.4	2.6	720
1500E	1075N	0107	650	158	1.5	<0.2	61
1500E	1100N	0107	480	184	1.2	0.4	181
1500E	1150N	0107	660	157	1.9	0.2	223
1500E	1175N	0107	158	67	0.7	0.3	52
1500E	1200N	0107	197	79	0.9	0.2	21
1500E	1250N	0107	319	72	0.8	0.8	226
1500E	1275N	0107	1380	114	3.0	0.6	115
1500E	1300N	0107	670	133	1.9	0.8	260
1500E	1325N	0107	363	114	1.8	0.3	140
1500E	1350N	0107	179	75	1.9	0.4	180
1500E	1375N	0107	331	99	3.0	0.5	150
1500E	1400N	0107	376	23	4.7	2.3	238
1500E	1425N	0107	400	18	5.5	1.7	142
1500E	1450N	0107	268	20	2.7	0.6	78
1500E	1475N	0107	382	61	2.3	0.8	150
1500E	1500N	0107	450	75	3.5	1.3	136
1500E	1525N	0107	230	61	2.8	0.9	192
1500E	1550N	0107	335	26	6.3	0.3	28
1500E	1575N	0107	303	26	7.2	1.3	82
1500E	1600N	0107	440	24	5.0	2.0	148
1500E	1625N	0107	346	22	4.1	1.6	150
1500E	1650N	0107	393	33	7.5	2.4	116
1600E	1025N	0107	400	148	2.4	0.6	534
1600E	1050N	0107	363	180	1.8	1.1	204
1600E	1075N	0107	365	126	1.4	0.2	152
1600E	1100N	0107	198	55	0.7	0.5	40
1700E	1025N	0107	610	90	0.8	0.2	30
1700E	1050N	0107	220	112	1.5	0.6	156
1700E	1075N	0107	970	186	2.9	0.6	94
1700E	1100N	0107	220	114	1.9	1.1	194
1700E	1125N	0107	272	87	0.9	0.4	34

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LIST OF GEOCHEMICAL DATA FROM VENTURE 97 ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
1700E	1150N	0107	364	155	1.8	0.7	186
1700E	1175N	0107	241	77	1.0	1.2	152
1700E	1200N	0107	530	283	3.4	0.9	302
1700E	1225N	0107	450	146	1.8	0.5	54
1700E	1250N	0107	377	72	2.1	0.3	92
1800E	1025N	0107	336	127	1.6	0.8	44
1800E	1050N	0107	1030	75	12.0	0.4	38
1800E	1075N	0107	125	52	1.0	0.4	132
1800E	1100N	0107	297	135	1.5	0.6	200
1800E	1125N	0107	299	126	1.0	0.6	182
1800E	1150N	0107	281	98	1.5	0.6	110
1800E	1175N	0107	322	114	1.6	0.5	238
1800E	1200N	0107	271	120	1.2	0.8	278
1800E	1225N	0107	400	134	2.0	1.3	257
1800E	1250N	0107	355	128	2.4	1.1	214
1800E	1275N	0107	490	94	3.6	0.2	157
1800E	1300N	0107	560	102	3.0	1.1	77
1800E	1325N	0107	420	52	2.3	2.8	221
1800E	1350N	0107	440	40	4.2	0.5	16
1800E	1375N	0107	193	38	2.9	0.3	23
1900E	1025N	0107	253	90	1.8	0.4	64
1900E	1050N	0107	271	154	1.6	0.5	162
1900E	1075N	0107	440	50	1.9	0.7	24
1900E	1100N	0107	295	114	1.8	1.8	113
1900E	1125N	0107	440	140	1.2	1.0	174
1900E	1150N	0107	430	178	2.3	1.6	329
1900E	1175N	0107	480	114	1.7	0.9	322
1900E	1200N	0107	440	98	1.4	1.9	320
1900E	1225N	0107	550	123	2.6	1.8	264
1900E	1250N	0107	356	32	2.1	0.6	70
1900E	1275N	0107	520	110	2.1	1.3	183
1900E	1300N	0107	300	110	1.5	1.0	282
2000E	1025N	0107	700	225	2.6	1.0	209
2000E	1050N	0107	341	153	1.0	1.0	122
2000E	1075N	0107	960	244	2.7	0.3	82
2000E	1100N	0107	245	158	1.3	1.1	177
2000E	1125N	0107	680	137	2.0	0.2	106
2000E	1150N	0107	267	95	1.2	0.6	226
2000E	1175N	0107	570	129	1.2	0.4	184
2000E	1200N	0107	500	58	1.1	0.2	37
2000E	1250N	0107	470	67	1.2	0.4	21
2000E	1275N	0107	200	48	0.9	0.9	75
2000E	1300N	0107	218	75	1.2	0.6	66
2100E	1025N	0107	167	57	1.2	0.5	63
2100E	1050N	0107	460	40	1.3	<0.2	19
2100E	1075N	0107	430	69	0.6	<0.2	21
2100E	1100N	0107	500	157	1.5	0.5	179
2100E	1125N	0107	690	180	1.6	0.7	228
2100E	1150N	0107	369	179	1.5	0.9	332
2100E	1175N	0107	650	255	2.4	0.7	230
2100E	1200N	0107	500	195	1.7	0.7	137
2100E	1225N	0107	301	85	1.3	0.4	80
2100E	1250N	0107	245	67	1.5	0.2	29
2100E	1275N	0107	373	108	2.2	0.4	51
2100E	1300N	0107	290	76	1.3	0.7	87
2100E	1325N	0107	263	61	1.5	0.4	29
2100E	1375N	0107	232	29	1.3	0.2	17
2100E	1400N	0107	272	53	2.0	0.3	46
2100E	1425N	0107	354	56	2.9	<0.2	27
2100E	1475	0107	355	60	5	0.5	76

LIST OF GEOCHEMICAL DATA FROM VENTURE 97 ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
2200E	1025N	0107	750	94	1.8	<0.2	67
2200E	1050N	0107	225	67	1.6	0.2	44
2200E	1075N	0107	430	56	1.0	<0.2	19
2200E	1100N	0107	336	53	0.8	0.2	15
2200E	1125N	0107	360	95	1.4	<0.2	48
2200E	1150N	0107	321	91	1.6	1.3	213
2200E	1175N	0107	540	126	2.4	1.0	91
2200E	1200N	0107	253	152	1.7	0.4	53
2200E	1225N	0107	358	79	1.3	<0.2	11
2200E	1250N	0107	215	60	1.6	0.4	78
2200E	1275N	0107	240	58	1.4	1.0	105
2200E	1350N	0107	318	32	1.5	<0.2	2
2200E	1400N	0107	191	59	5.9	0.6	40
2300E	1025N	0107	267	56	2.4	0.4	42
2300E	1050N	0107	195	31	3.8	0.4	120
2300E	1075N	0107	286	72	2.6	0.5	192
2300E	1100N	0107	309	82	2.7	0.5	181
2300E	1150N	0107	345	82	2.7	0.5	165
2300E	1175N	0107	274	63	2.1	0.5	129
2300E	1200N	0107	344	40	0.7	<0.2	27
2300E	1225N	0107	500	68	1.8	0.3	34
2300E	1250N	0107	192	71	2.0	1.2	182
2300E	1275N	0107	370	116	1.8	0.7	99
2300E	1300N	0107	391	100	1.4	<0.2	217
2300E	1325N	0107	710	42	1.3	<0.2	118
2300E	1350N	0107	520	55	1.8	<0.2	34
2300E	1375N	0107	162	31	1.6	<0.2	32
2300E	1400N	0107	208	41	1.4	<0.2	38
400W	00S	0107	490	31	3.6	<0.2	170
400W	25S	0107	174	27	0.8	0.4	195
400W	50S	0107	160	19	0.6	0.2	15
400W	75S	0107	113	13	0.7	0.2	2
400W	100S	0107	116	14	0.6	<0.2	6
400W	125S	0107	195	41	0.5	0.2	17
400W	150S	0107	50	13	0.3	<0.2	2
400W	200S	0107	163	23	2.7	0.5	28
400W	225S	0107	136	31	2.4	1.4	197
400W	250S	0107	219	20	1.1	0.7	172
400W	275S	0107	114	9	0.2	<0.2	17
400W	300S	0107	90	13	0.3	<0.2	6
400W	325S	0107	81	11	0.3	0.2	28
400W	350S	0107	131	11	0.4	0.3	70
400W	375S	0107	37	11	0.2	0.3	28
400W	400S	0107	82	31	0.2	0.2	17
400W	425S	0107	106	13	0.2	<0.2	23
400W	450S	0107	206	17	1.3	1.0	363
400W	475S	0107	190	16	0.7	1.1	248
400W	500S	0107	153	14	0.3	0.5	193
400W	525S	0107	130	11	0.2	<0.2	98
400W	550S	0107	192	17	0.8	0.8	93
400W	575S	0107	183	10	0.8	0.7	261
400W	600S	0107	303	25	1.2	0.5	115
400W	625S	0107	136	10	0.2	<0.2	55
400W	650S	0107	108	10	0.1	<0.2	15
400W	675S	0107	135	10	<0.1	0.2	32
400W	700S	0107	86	10	<0.1	<0.2	25
400W	725S	0107	122	12	<0.1	0.2	57
400W	750S	0107	115	12	0.6	0.7	45
500W	00S	0107	196	14	0.5	0.3	23
500W	25S	0107	76	11	0.5	0.3	17

LIST OF GEOCHEMICAL DATA FROM VENTURE 97 ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
500W	50S	0107	137	9	0.4	<0.2	23
500W	75S	0107	80	10	0.3	0.2	6
500W	100S	0107	95	9	0.4	<0.2	25
500W	125S	0107	125	14	0.3	<0.2	26
500W	150S	0107	124	13	0.5	<0.2	19
500W	175S	0107	108	20	0.2	0.8	48
500W	200S	0107	153	13	0.2	0.2	6
500W	225S	0107	103	10	0.4	0.4	13
500W	250S	0107	228	12	0.2	0.8	60
500W	275S	0107	209	30	0.4	2.2	74
500W	300S	0107	58	13	0.2	0.2	15
500W	325S	0107	172	14	0.3	0.4	13
500W	350S	0107	60	10	0.1	0.2	6
500W	375S	0107	98	10	<0.1	0.31	9
500W	400S	0107	232	15	0.5	0.6	12
500W	425S	0107	223	12	0.1	0.4	13
500W	450S	0107	105	10	0.2	<0.2	7
500W	475S	0107	137	9	0.3	0.2	11
500W	525S	0107	104	8	0.1	<0.2	5
500W	550S	0107	114	8	<0.1	<0.2	6
500W	575S	0107	90	7	0.1	<0.2	9
500W	600S	0107	111	7	<0.1	<0.2	21
500W	625S	0107	219	15	<0.1	1.01	38
500W	650S	0107	69	9	0.1	<0.2	9
00	3+25W	0107	89	12	0.2	0.2	8
00	3+50W	0107	103	15	0.2	0.3	52
00	3+75W	0107	240	15	1.3	0.4	54
00	4+25W	0107	201	36	1.0	0.7	17
00	4+50W	0107	148	14	0.3	0.8	8
00	4+75W	0107	108	9	0.4	0.6	<5
00	CS-1	0107	48000	70	340.0	18.0	2000
00	CS-2	0107	2220	210	16.0	3.0	1580
00	CS-3	0107	1150	2660	8.5	1.4	15
00	CS-4	0107	24000	3110	1.7	0.8	34
00	HP-1	0107	95	24	0.4	0.2	17
00	HP-2	0107	72	22	0.5	<0.2	5
00	HP-3	0107	10200	40	61.0	2.1	41
00	HP-4	0107	24000	3110	260.0	10.0	920
00	HP-5	0107	9400	240	49.0	3.5	156
00	A1554W	0107	2050	280	10.6	0.7	122

END OF LISTING - 220 RECORDS PRINTED
GCLIST RUN AT: 16:08:46 CPU USED: 2.54 SECONDS

LIST OF GEOCHEMICAL DATA FROM ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
	505	0134	34800	16	226.0	14	230
	506	0134	2100	104	297.0	28	185
34+00E	100S	0134	1060	2060	4.1	2.1	146
34+00E	50S	0134	1250	3430	4.2	3.0	127
4+00E	3+50SR	0134	7000	350	25.5	1.2	619

END OF LISTING - 5 RECORDS PRINTED
GCLIST RUN AT: 13:54:37 CPU USED: .51 SECONDS

LIST OF GEOCHEMICAL DATA FROM ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
1+00W	0+25N	0136	230	300	7.9	0.8	463
1+00W	0+75N	0136	1770	470	5.2	0.6	137
1+00W	1+00N	0136	12600	40	94.0	1.5	1328
1+00W	1+25N	0136	860	116	6.7	0.3	91
1+00W	1+50N	0136	1390	228	11.9	<0.2	994
2+00W	0+25N	0136	2100	351	7.0	1.4	1490
2+00W	0+75N	0136	10300	397	58.0	4.8	>2000
2+00W	1+50N	0136	204	31	0.4	<0.2	31
2+00W	1+75N	0136	212	75	0.7	0.4	27
2+00W	2+00N	0136	320	135	0.7	0.5	30
2+00W	3+25N	0136	75	20	0.3	0.4	8
2+00W	3+50N	0136	293	80	0.4	0.5	45
2+00W	4+00N	0136	540	113	2.8	0.4	146
2+00W	4+25N	0136	2220	860	14.7	0.4	300
2+00W	4+50N	0136	6000	1700	16.0	0.2	374
24+00E	10+25N	0136	250	41	3.2	1.7	87
24+00E	10+50N	0136	101	35	0.7	0.4	35
24+00E	10+75N	0136	137	53	0.7	0.3	120
24+00E	11+00N	0136	327	53	1.5	0.2	45
24+00E	11+25N	0136	95	40	2.0	0.4	14
24+00E	11+50N	0136	118	35	1.2	<0.2	7
24+00E	11+75N	0136	386	102	1.9	<0.2	29
24+00E	12+00N	0136	216	52	2.7	0.3	112
24+00E	12+25N	0136	460	203	3.4	0.6	113
24+00E	12+50N	0136	140	41	1.6	0.4	88
24+00E	12+75N	0136	228	58	1.8	0.4	140
24+00E	13+00N	0136	351	49	4.1	0.3	134
24+00E	13+25N	0136	285	78	1.6	1.0	167
27+00E	14+25NR	0136	365	49	6.6	0.6	45
28+00E	12+80N	0136	680	114	8.3	0.4	35
28+00E	12+85N	0136	650	184	8.8	0.3	26
28+00E	12+90N	0136	1250	252	16.4	0.3	33
28+00E	12+95N	0136	4250	1000	25.9	<0.2	18
28+05E	12+90N	0136	286	75	7.2	<0.2	48
3+00W	0+25N	0136	84	14	0.4	<0.2	13
3+00W	0+50N	0136	102	14	0.1	<0.2	20
3+00W	0+75N	0136	580	219	2.7	0.2	263
3+00W	1+00N	0136	8500	1450	30.0	2.0	>1000
3+00W	1+25N	0136	294	35	1.5	0.2	47
3+00W	1+50N	0136	138	21	0.7	0.3	98
3+00W	1+75N	0136	1780	890	8.4	0.5	548
3+00W	2+00N	0136	37	14	0.4	<0.2	9
3+00W	4+00N	0136	8300	5200	53.0	1.2	1232
3+00W	4+25N	0136	16800	200	100.0	3.0	1424
3+00W	4+50N	0136	6400	8100	26.4	0.9	434
3+00W	5+00N	0136	2630	1450	17.8	1.2	465
3+00W	5+50N	0136	2920	720	13.6	0.8	475
3+00W	5+75N	0136	1490	780	13.6	0.8	387
3+00W	6+00N	0136	4800	1360	30.0	0.4	595
3+00W	6+25N	0136	2700	720	12.4	0.6	426
3+00W	6+50N	0136	2650	90	10.6	0.4	294
3+00W	6+75N	0136	510	200	2.6	0.4	131
3+00W	7+00N	0136	1250	171	4.4	0.3	77
3+00W	7+75N	0136	221	23	2.3	0.3	108
3+00W	8+25N	0136	76	12	0.2	0.3	3
3+00W	8+50N	0136	283	47	0.8	0.2	70
3+00W	8+75N	0136	99	12	0.3	0.2	1
3+00W	9+00N	0136	98	13	0.2	0.2	9
3+00W	9+25N	0136	99	16	0.5	0.2	113
3+00W	9+50N	0136	154	14	0.8	0.3	114

LIST OF GEOCHEMICAL DATA FROM ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
3+00W	9+75N	0136	204	40	1.2	0.3	187
3+00W	10+00N	0136	340	16	0.6	0.3	16
3+00W	10+25N	0136	319	16	0.6	0.2	48
3+00W	10+75N	0136	142	8	0.5	0.4	7
3+00W	11+00N	0136	178	8	2.0	0.3	16
3+00W	11+25N	0136	104	20	0.5	0.5	10
3+00W	11+50N	0136	85	12	0.4	0.3	12
3+00W	11+75N	0136	215	37	0.7	0.3	17
3+00W	12+00N	0136	93	9	0.5	0.3	7
3+00W	12+25N	0136	52	11	0.3	<0.2	5
3+00W	12+50N	0136	116	15	0.2	<0.2	5
3+00W	12+75N	0136	108	13	0.2	<0.2	7
3+00W	13+00N	0136	325	25	1.5	<0.2	183
30+00E	13+12N	0136	370	92	8.3	0.3	41
30+25E	13+12N	0136	3160	520	29.0	<0.2	24
30+50E	13+12N	0136	3200	1260	20.7	1.0	200
30+50E	13+50N	0136	6100	1940	23.0	1.0	47
30+75E	13+12N	0136	4750	1500	34.2	0.6	129
31+00E	12+80N	0136	15000	5100	46.0	5.3	1644
34+00E	13+50NR	0136	1220	3540	5.0	1.2	189
34+90E	5+90N	0136	4600	480	14.8	1.2	60
34+90E	6+00N	0136	2590	271	18.5	1.0	137
34+90E	6+10N	0136	14700	800	25.0	1.2	113
35+00E	5+90N	0136	7900	660	11.6	0.3	55
35+00E	6+00N	0136	5500	350	20.2	0.8	117
35+00E	6+10N	0136	3420	225	16.2	0.7	153
35+00E	10+10N	0136	660	329	8.3	0.3	26
35+00E	10+15N	0136	355	204	6.5	0.4	51
35+00E	10+20N	0136	385	215	4.6	<0.2	142
35+10E	5+90N	0136	530	73	2.5	<0.2	45
35+10E	6+00N	0136	1050	188	2.8	<0.2	44
35+10E	6+10N	0136	990	96	3.5	0.3	56
35+50E	10+00N	0136	930	333	10.4	<0.2	36
35+50E	10+25N	0136	710	650	9.3	0.3	42
35+50E	10+37N	0136	450	680	4.1	0.2	36
35+50E	10+50N	0136	280	320	4.2	0.5	66
36+00E	10+10N	0136	950	550	10.2	<0.2	14
36+00E	10+20N	0136	470	402	9.2	0.3	66
36+50E	8+00N	0136	460	120	4.7	<0.2	7
36+50E	8+25N	0136	1110	1140	11.4	0.3	70
36+50E	9+75N	0136	1220	126	9.2	0.2	23
36+75E	7+75N	0136	1260	135	20.2	<0.2	12
36+75E	8+00N	0136	5200	570	62.0	0.4	141
36+75E	8+25N	0136	600	147	9.1	<0.2	15
36+75E	8+50N	0136	130	51	6.1	0.3	NSS
37+00E	10+50N	0136	520	250	24.0	0.3	25
37+00E	10+75N	0136	70	227	0.9	0.4	43
37+00E	11+85N	0136	1170	800	8.3	0.6	65
37+00E	11+90N	0136	340	710	4.3	1.4	106
37+00E	11+95N	0136	260	27000	3.0	7.2	163
37+25E	7+75N	0136	1520	221	7.6	1.0	201
37+25E	8+00N	0136	13800	2900	122.0	2.0	>1000
37+25E	8+25N	0136	1350	1040	14.8	4.9	324
37+50E	7+75N	0136	2140	510	9.2	1.0	66
37+50E	8+00N	0136	2510	710	16.0	1.4	256
37+50E	8+12N	0136	1940	1130	13.9	0.3	300
37+50E	8+25N	0136	610	620	5.9	0.4	61
4+00W	0+25N	0136	145	18	0.7	<0.2	34
4+00W	0+50N	0136	196	25	1.8	<0.2	250
4+00W	0+75N	0136	236	19	1.8	<0.2	66

LIST OF GEOCHEMICAL DATA FROM ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
4+00W	1+00N	0136	188	18	1.9	<0.2	122
4+00W	1+25N	0136	1280	49	5.6	<0.2	475
4+00W	1+50N	0136	168	22	1.7	<0.2	118
4+00W	1+75N	0136	148	17	0.5	<0.2	57
4+00W	2+00N	0136	247	23	0.8	<0.2	81
4+00W	2+25N	0136	100	17	0.5	<0.2	9
4+00W	2+50N	0136	111	14	0.3	<0.2	44
4+00W	2+75N	0136	116	16	0.2	<0.2	55
4+00W	3+00N	0136	129	17	0.6	<0.2	71
4+00W	3+25N	0136	166	17	0.4	<0.2	17
4+00W	3+50N	0136	162	17	0.7	0.2	34
4+00W	5+00N	0136	205	24	2.5	<0.2	210
4+00W	5+25N	0136	180	16	1.5	<0.2	66
4+00W	5+50N	0136	270	17	3.1	<0.2	85
4+00W	5+75N	0136	307	26	2.6	<0.2	20
4+00W	6+00N	0136	180	29	0.6	0.4	98
4+00W	6+25N	0136	260	33	1.4	0.2	26
4+00W	6+50N	0136	550	31	2.1	1.0	54
4+00W	6+75N	0136	262	28	1.4	0.3	35
4+00W	7+00N	0136	510	26	1.3	<0.2	24
4+00W	7+25N	0136	154	23	0.7	<0.2	26
4+00W	8+25N	0136	2650	235	4.6	0.2	179
4+00W	8+50N	0136	12700	9300	198.0	5.0	348
4+00W	8+75N	0136	1060	261	3.0	<0.2	95
4+00W	9+00N	0136	394	51	1.0	<0.2	29
4+00W	9+50N	0136	348	43	1.1	<0.2	176
4+00W	9+75N	0136	333	53	0.7	<0.2	35
4+00W	10+00N	0136	164	69	1.0	0.4	58
4+00W	10+50N	0136	234	85	1.6	0.2	38
4+00W	10+75N	0136	41	13	0.3	<0.2	8
4+00W	11+00N	0136	168	28	0.5	<0.2	21
4+00W	11+25N	0136	46	8	0.2	<0.2	11
4+00W	11+50N	0136	112	22	0.2	<0.2	13
4+00W	11+75N	0136	49	13	0.2	<0.2	5
4+00W	12+00N	0136	36	22	0.2	<0.2	11
4+00W	12+25N	0136	45	38	0.2	<0.2	59
4+00W	12+50N	0136	62	20	0.1	<0.2	12
4+00W	12+75N	0136	101	28	0.3	<0.2	37
4+00W	13+00N	0136	67	32	0.4	<0.2	18
5+00W	0+50N	0136	244	21	1.5	<0.2	32
5+00W	0+75N	0136	1080	17	66.0	0.2	78
5+00W	1+00N	0136	180	27	2.4	0.2	24
5+00W	1+25N	0136	110	15	0.8	<0.2	19
5+00W	1+50N	0136	176	20	1.0	<0.2	19
5+00W	1+75N	0136	120	14	1.2	<0.2	14
5+00W	2+00N	0136	128	16	0.7	<0.2	14
5+00W	2+25N	0136	112	13	0.4	<0.2	4
5+00W	2+50N	0136	136	10	0.5	0.5	7
5+00W	2+75N	0136	96	8	0.2	<0.2	14
5+00W	3+00N	0136	78	8	0.1	<0.2	6
5+00W	3+25N	0136	59	9	0.2	<0.2	25
5+00W	3+50N	0136	75	10	0.1	<0.2	27
5+00W	3+75N	0136	149	23	0.8	<0.2	21
5+00W	4+00N	0136	252	27	0.3	<0.2	14
5+00W	4+25N	0136	135	16	1.0	<0.2	11
5+00W	4+50N	0136	110	10	0.6	<0.2	10
5+00W	4+75N	0136	153	10	0.5	<0.2	8
5+00W	5+00N	0136	88	4	0.3	<0.2	10
5+00W	5+25N	0136	195	10	0.5	<0.2	4
5+00W	5+50N	0136	188	12	1.2	<0.2	14

LIST OF GEOCHEMICAL DATA FROM ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
5+00W	5+75N	0136	275	15	0.6	<0.2	4
5+00W	6+00N	0136	327	16	1.7	<0.2	14
5+00W	6+25N	0136	395	16	2.7	<0.2	13
5+00W	6+50N	0136	88	26	1.6	<0.2	8
5+00W	6+75N	0136	50	73	1.7	0.3	312
5+00W	7+00N	0136	79	13	0.2	0.2	11
5+00W	7+25N	0136	223	21	0.9	<0.2	158
5+00W	7+50N	0136	630	26	1.4	<0.2	95
5+00W	7+75N	0136	380	25	0.9	0.2	111
5+00W	8+00N	0136	101	9	0.2	0.5	18
5+00W	8+25N	0136	128	12	0.7	1.0	15
5+00W	8+50N	0136	152	6	0.4	0.4	10
5+00W	8+75N	0136	175	15	0.5	0.5	27
5+00W	9+00N	0136	130	14	0.7	0.4	35
5+00W	9+25N	0136	58	8	0.3	0.3	15
5+00W	9+50N	0136	136	14	0.5	0.2	137
5+00W	9+75N	0136	83	9	0.5	0.2	80
5+00W	10+00N	0136	55	12	0.5	<0.2	31
5+00W	10+25N	0136	128	18	0.8	0.3	45
5+00W	10+50N	0136	138	15	1.8	<0.2	125
5+00W	10+75N	0136	950	76	4.8	0.4	207
5+00W	11+00N	0136	221	20	0.6	<0.2	23
5+00W	11+25N	0136	197	60	0.8	0.5	74
5+00W	11+50N	0136	332	69	0.9	<0.2	297
5+00W	11+75N	0136	237	42	1.1	<0.2	48
5+00W	12+00N	0136	363	89	2.0	0.2	27
6+00W	1+75N	0136	107	10	0.7	<0.2	14
6+00W	2+00N	0136	50	8	0.3	<0.2	15
6+00W	2+25N	0136	65	8	0.2	0.2	14
6+00W	2+50N	0136	116	7	0.4	<0.2	27
6+00W	2+75N	0136	91	10	0.5	0.3	20
6+00W	3+00N	0136	71	10	0.4	<0.2	14
6+00W	3+25N	0136	32	5	0.3	<0.2	26
6+00W	3+50N	0136	105	12	0.4	<0.2	24
6+00W	3+75N	0136	21	4	0.3	<0.2	9
6+00W	4+25N	0136	59	12	0.3	<0.2	18
6+00W	4+75N	0136	51	6	0.5	<0.2	26
6+00W	5+25N	0136	60	9	0.8	<0.2	12
6+00W	5+50N	0136	69	16	1.0	0.4	42
6+00W	6+00N	0136	16	3	0.6	<0.2	17
6+00W	6+25N	0136	37	4	0.2	<0.2	17
6+00W	6+50N	0136	35	6	0.8	<0.2	18
6+00W	6+75N	0136	62	6	0.3	<0.2	30
6+00W	7+00N	0136	280	13	0.3	<0.2	15
6+00W	7+25N	0136	53	9	0.3	<0.2	20
6+00W	7+50N	0136	78	15	0.2	<0.2	245
6+00W	7+75N	0136	70	10	0.6	<0.2	59
6+00W	8+00N	0136	105	18	0.9	<0.2	152
6+00W	8+25N	0136	109	20	1.4	<0.2	130
6+00W	8+50N	0136	121	47	0.6	<0.2	155
6+00W	8+75N	0136	13	5	0.4	<0.2	15
6+00W	9+25N	0136	78	7	0.7	<0.2	23
6+00W	9+50N	0136	39	22	0.7	<0.2	12
6+00W	9+75N	0136	21	10	0.7	<0.2	9
6+00W	10+00N	0136	14	2	0.6	<0.2	12
6+00W	10+25N	0136	46	8	0.4	<0.2	14
6+00W	10+50N	0136	33	8	0.3	<0.2	12
6+00W	10+75N	0136	50	8	0.5	<0.2	24
6+00W	11+00N	0136	17	2	0.5	<0.2	<5
7+00W	2+00N	0136	89	7	0.3	<0.2	21

LIST OF GEOCHEMICAL DATA FROM ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
7+00W	2+25N	0136	128	11	0.4	<0.2	38
7+00W	2+50N	0136	66	8	0.1	<0.2	13
7+00W	2+75N	0136	119	17	0.2	<0.2	21
7+00W	3+00N	0136	81	12	0.2	<0.2	12
7+00W	3+25N	0136	149	11	0.4	0.4	24
7+00W	3+50N	0136	19	9	0.2	<0.2	10
7+00W	3+75N	0136	10	7	0.1	<0.2	10
7+00W	4+00N	0136	52	14	0.2	<0.2	31
7+00W	4+25N	0136	51	16	0.3	<0.2	14
7+00W	4+50N	0136	65	14	0.2	<0.2	19
7+00W	4+75N	0136	48	9	0.2	<0.2	13
7+00W	5+00N	0136	50	9	0.9	<0.2	10
7+00W	5+25N	0136	29	8	0.4	<0.2	9
7+00W	5+50N	0136	21	8	0.2	<0.2	7
7+00W	5+75N	0136	71	12	0.3	<0.2	31
7+00W	6+00N	0136	70	14	0.2	<0.2	110
7+00W	6+25N	0136	5	3	0.2	<0.2	5
7+00W	6+50N	0136	27	10	0.4	<0.2	12
7+00W	6+75N	0136	81	12	0.3	0.2	95
7+00W	7+00N	0136	68	12	0.3	<0.2	55
7+00W	7+25N	0136	51	7	0.3	<0.2	55
7+00W	7+50N	0136	66	11	0.5	0.2	28
7+00W	7+75N	0136	79	23	0.5	<0.2	14
7+00W	8+00N	0136	35	8	0.1	0.2	18
7+00W	8+25N	0136	60	14	0.4	0.3	29
7+00W	8+50N	0136	65	8	0.5	<0.2	29
7+00W	8+75N	0136	190	22	1.5	0.3	94
7+00W	9+00N	0136	42	8	2.3	0.2	<5
7+00W	9+25N	0136	56	21	0.7	<0.2	<5
7+00W	9+50N	0136	42	8	0.2	0.2	8
7+00W	9+75N	0136	40	5	2.7	<0.2	<5
7+00W	10+00N	0136	108	10	0.8	<0.2	<5
8+00W	3+50N	0136	40	15	0.4	<0.2	5
8+00W	4+00N	0136	24	7	0.4	<0.2	11
8+00W	4+25N	0136	60	23	0.6	<0.2	72
8+00W	4+50N	0136	37	30	0.5	<0.2	6
8+00W	4+75N	0136	47	7	0.7	<0.2	8
8+00W	5+00N	0136	77	12	0.5	<0.2	27
8+00W	5+25N	0136	39	8	0.6	<0.2	5
8+00W	5+50N	0136	14	2	0.3	<0.2	<5
8+00W	5+75N	0136	30	7	0.5	<0.2	12
8+00W	6+00N	0136	19	10	0.2	<0.2	11
8+00W	6+25N	0136	27	16	0.1	0.3	33
8+00W	6+50N	0136	54	12	0.1	<0.2	14
8+00W	6+75N	0136	14	3	0.2	<0.2	12
8+00W	7+00N	0136	98	16	1.9	<0.2	15
8+00W	7+25N	0136	35	11	0.4	<0.2	5
8+00W	7+50N	0136	88	13	0.6	<0.2	14
8+00W	7+75N	0136	43	11	0.6	<0.2	6
8+00W	8+00N	0136	32	8	0.4	<0.2	2
8+00W	8+25N	0136	49	16	0.5	<0.2	15
8+00W	8+50N	0136	52	14	0.4	0.2	12
8+00W	8+75N	0136	32	7	0.3	<0.2	5
9+00W	4+25N	0136	209	35	0.4	0.2	41
9+00W	4+50N	0136	112	7	0.3	<0.2	15
9+00W	4+75N	0136	184	17	0.5	0.6	45
9+00W	5+25N	0136	28	7	0.4	<0.2	9
9+00W	5+75N	0136	3	2	0.2	<0.2	3
9+00W	6+00N	0136	172	25	0.5	0.3	84
9+00W	6+25N	0136	61	10	0.2	<0.2	33

LIST OF GEOCHEMICAL DATA FROM ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
9+00W	6+50N	0136	27	13	0.1	<0.2	15
9+00W	6+75N	0136	103	16	0.4	<0.2	32
9+00W	7+00N	0136	116	15	0.2	<0.2	3
9+00W	7+25N	0136	87	20	0.6	<0.2	30
9+00W	7+50N	0136	166	16	0.9	<0.2	15
9+00W	7+75N	0136	37	8	0.2	<0.2	9
9+00W	8+00N	0136	45	8	0.3	<0.2	15
ALFIE	10A	0136	10.7%	3.35%	800	48	>1000
ALFIE	10B	0136	2940	7000	240	17	433
ALFIE	122	0136	970	60	5	0.42	28
ALFIE	123A	0136	1340	1470	10	1.03	18
ALFIE	123B	0136	17800	145	130	18	345
ALFIE	123C	0136	2260	70	20	1.18	106
ALFIE	130A	0136	21200	100	176	3.20	>1000
ALFIE	130B	0136	29400	195	247	13	>1000
ALFIE	130C	0136	3310	70	50	0.92	689
ALFIE	130D	0136	26500	80	270	15	>1000
ALFIE	130E	0136	95500	110	725	74	>1000
ALFIE	130F	0136	5150	80	56	1.55	855
ALFIE	130G	0136	26700	80	213	13	>1000
ALFIE	130H	0136	24600	60	210	13	>1000
ALFIE	145	0136	500	60	10	0.33	8
ALFIE	147	0136	175	40	10	0.08	8
ALFIE	156	0136	40	50	10	0.03	<5
ALFIE	163	0136	810	40	10	0.33	15
ALFIE	165	0136	44800	11600	565	38	1140
ALFIE	166	0136	500	170	10	0.49	36
ALFIE	167	0136	120	80	10	0.16	27
ALFIE	172A	0136	82000	900	715	72	>2000
ALFIE	172B	0136	36800	385	345	25	1776
ALFIE	172C	0136	33200	4500	233	28	466
ALFIE	172D	0136	14400	600	134	15	176
ALFIE	173	0136	480	85	60	3.22	365
ALFIE	174	0136	970	80	10	0.84	34
ALFIE	176A	0136	360	190	10	0.23	44
ALFIE	176B	0136	10800	19500	116	12	695
ALFIE	176C	0136	3140	670	10	0.60	51
ALFIE	183	0136	125	950	10	0.14	127
ALFIE	184	0136	150	40	5	0.10	61
ALFIE	198A	0136	14800	225	157	15	500
ALFIE	198B	0136	23400	2600	247	28	
ALFIE	210	0136	8000	1780	60	1.51	54
ALFIE	211A	0136	10300	6800	90	1.54	88
ALFIE	211B	0136	8800	3350	100	8	63
ALFIE	215A	0136	260	230	5	0.17	50
ALFIE	215B	0136	120	220	5	0.09	<5
ALFIE	220A	0136	400	50	5	0.15	87
ALFIE	220B	0136	1570	150	10	0.30	41
ALFIE	235A	0136	100	80	5	0.08	19
ALFIE	235B	0136	100	60	5	0.05	32
ALFIE	235C	0136	40	60	5	<0.02	12
ALFIE	236A	0136	30	50	5	0.08	5
ALFIE	236B	0136	20	50	5	0.06	<5
ALFIE	236C	0136	20	60	5	0.03	12
ALFIE	237	0136	20	70	5	0.07	12
ALFIE	238	0136	20	80	5	0.06	12
ALFIE	239A	0136	30	150	5	0.35	31
ALFIE	239B	0136	20	90	5	0.19	12
ALFIE	240	0136	20	60	5	0.16	7
ALFIE	520C	0136	1360	100	10	0.50	87

LIST OF GEOCHEMICAL DATA FROM ALFIE D. JENKINS

NTS	SAMPLE	PROJECT	ZN	PB	CD	AG	HG
ALFIE	CS-6	0136	13500	11700	101	10	680

END OF LISTING - 361 RECORDS PRINTED
GCLIST RUN AT: 16:44:19 CPU USED: 6.49 SECONDS

Area: Alfie

Map Sheet No.:

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

soils

Geologist: D. Jenkins

Date: Sept 18/80 Page 1 of

Card Type	SAMPLE No.		Lab. Proj.	PPM											
				Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
A	13+00E- 2+75S	1.0	0136			201	44	1.0			0.3				
		1.5				197	30	0.8			0.2-				
		2.0				111	21	0.9			0.3				
		2.5				250	24	0.9			0.3				
		3.0				93	65	1.1			0.2				
		3.5				128	16	0.7			0.3				
		4.0				124	23	0.7			0.2-				
		4.25				112	18	0.7			0.2				
	13+00E-3+25S	1.0				144	23	0.7			0.2				
		1.5				175	27	0.8			0.2-				
		2.0				100	21	0.6			0.2-				
		2.5				125	21	0.5			0.2-				
	13+00E- 3+75S	1.0				168	31	0.6			0.2-				
		1.5				123	51	1.0			0.2-				
	13+00E- 4+25S	1.0				138	23	1.0			0.3				
		1.5				182	31	1.1			0.2-				
		2.0				550	103	2.5			0.2-				
		2.5				640	181	3.1			0.2				
		3.0				1130	500	6.0			0.2				
		3.5				920	490	5.1			0.2-				
	13+00E- 4+75S	1.0				176	28	0.8			0.2-				
		1.5				118	20	0.6			0.2-				
		2.0				132	21	0.8			0.2				
		2.5				169	32	1.0			0.2-				
		3.0				269	79	1.2			0.2				

Area: Alfie

Map Sheet No.:

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

Geologist:

Date: Page of

Card Type	SAMPLE No.		Lab. Proj.	PPM					PPB	%		
				F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
1	2	16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	13+00E- 2+75S	1.0	0136						114			
		1.5							117			
		2.0							99			
		2.5							55			
		3.0							188			
		3.5							48			
		4.0							21			
		4.25							44			
	13+00E-3+25S	1.0							116			
		1.5							38			
		2.0							23			
		2.5							37			
	13+00E- 3+75S	1.0							91			
		1.5							110			
	13+00E- 4+25S	1.0							133			
		1.5							102			
		2.0							195			
		2.5							311			
		3.0							295			
		3.5							210			
	13+00E- 4+75S	1.0							161			
		1.5							89			
		2.0							53			
		2.5							95			
		3.0							117			

Area: Alfie

Map Sheet No.:

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 1.

soils

Geologist: D. Jenkins

Date: Sept 18/80 Page 2 of 2

Card Type	SAMPLE No.	Lab. Proj.	P P M											
			Mo	Cu	Zn	Pb	Cd	Ni	Co	Ag	Au	U	V	W
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80
A	13+00E- 5+25S 1.0	0136			231	53	1.0			0.2-				
	1.5				1970	420	7.0			0.2				
	2.0				1010	337	3 5			0.5				
	2.5				910	312	3.7			0.2				
	34+00E- 13+50N+150S				1110	2280	4.3			2.0				
	13+50N+200S				990	1300	2.0			0.4				

Area: Alfie

Map Sheet No.:

Venture: V-97

PLACER DEVELOPMENT LIMITED

Geochemistry Analysis Sheet No. 2.

Geologist:

Date: Page of

Card Type	SAMPLE No.	Lab. Proj.	PPM					PPB	%		
			F	As	Bi	Mn	Fe	Hg	Ba	L.O.I.	
1	2 16	17 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 80
A	13+00E- 5+25S 1.0	0136						112			
	1.5							875			
	2.0							460			
	2.5							316			
	34+00E- 13+50N+150S							237			
	13+50N+200S							30			

ALFIE 1.
444 (10)

ALFIE 2.
445 (10)

ALFIE 3
446 (10)

ALFIE 4
447 (10)

PPM Zn
- > 5000 +
- 2000 - 5000
- 1000 - 2000
- < 1000

1980 Soil Samples

GRID INDEX

METRES
0 100 200 300 400 500

Topographical Base Map Compiled by McElhanney Surveying & Engineering Ltd., Van B.C.

MAP 3

DRAWN: I.B., A.K., D.J.	SCALE: 1:5000	PLACER DEVELOPMENT LIMITED	PPM Zn GEOCHEMICAL SOIL SURVEY
TRACED:	DATE: SEPT. 21, 1977	ALFIE V-97 OSILINKA RIVER, B.C.	FILE No. 77-09-V-97-48-0004
APPROVED:	REVISED: Oct., 1980		

ALFIE 1.
444 (10)

ALFIE 2.
445 (10)

ALFIE 3
446 (10)

ALFIE 4
447 (10)

OSILINKA RIVER

PPM Pb
- 1000 +
- 500 - 1000
- 250 - 500
- < 250

1980 Soil Samples

GRID INDEX

0 100 200 300 400 500
METRES

Topographical Base Map Compiled by: McElhanney Surveying & Engineering Ltd., Van. B.C.

MAP 4

DRAWN: I.B., A.K.D.J.	SCALE: 1:5000	PLACER DEVELOPMENT LIMITED	PPM Pb GEOCHEMICAL SOIL SURVEY
TRACED:	DATE: SEPT. 21, 1977	ALFIE V-97 OSILINKA RIVER, B.C.	FILE No.: 77-09-V97-48-0003
APPROVED:	REVISED: Oct., 1980.		

MINERAL RESOURCES BRANCH
ASSMENT REPORT
NO. 8324

ALFIE 1.
444 (10)

ALFIE 2.
445 (10)

ALFIE 3.
446 (10)

ALFIE 4
447 (10)

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8324

GRID INDEX

0 100 200 300 400 500
METRES

MAP 5

DRAWN: I.B., A.K.D.J.	SCALE: 1:5000	PLACER DEVELOPMENT LIMITED	PPM Ag
TRACED:	DATE: SEPT. 21, 1977	ALFIE V-97	GEOCHEMICAL SOIL SURVEY
APPROVED:	REVISED: Oct., 1980.	OSILINKA RIVER, B.C.	FILE No. 80-10-V97-48-0029

ALFIE 1.
444 (10)

ALFIE 2.
445 (10)

ALFIE 3
446 (10)

ALFIE 4
447 (10)

OSILINKA RIVER

1980 Soil Samples

PPB Hg

1000 +

500 - 1000

100 - 500

< 100

GRID INDEX

0 100 200 300 400 500
METRES

Topographical Base Map Compiled by : McElhanney Surveying & Engineering Ltd., Van. B.C.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8324

MAP 6

DRAWN: I.B., A.K, D.J.	SCALE: 1:5000	PLACER DEVELOPMENT LIMITED	PPB Hg GEOCHEMICAL SOIL SURVEY
TRACED:	DATE SEPT. 21, 1977	ALFIE V-97	
APPROVED:	REVISED: Oct., 1980	OSILINKA RIVER B.C.	FILE No. 77-09-V-97-4B-0003

ALFIE 1.
444 (10)

ALFIE 2.
445 (10)

ALFIE 3
446 (10)

ALFIE 4
447 (10)

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8324

GRID INDEX

0 100 200 300 400 500
METRES

MAP 7

DRAWN: I.B., A.K., D.J.	SCALE: 1:5000	PLACER DEVELOPMENT LIMITED	PPM Cd GEOCHEMICAL SOIL SURVEY
TRACED:	DATE: SEPT. 21, 1977	ALFIE V-97	
APPROVED:	REVISED: Oct, 1980	OSILINKA RIVER, B.C.	FILE No. 80-10-V-97-48-0028

ALFIE 1.
444 (10)

ALFIE 2.
445 (10)

ALFIE 3.
446 (10)

ALFIE 4
447 (10)

SEE MAP 9

LEGEND

IGNEOUS ROCK
- ANDESITE : MEDIUM GREY, MICROCRYSTALLINE

SEDIMENTARY ROCKS
- SHALE : LIGHT TO DARK GREY, FISSILE, SILICEOUS
- LIMESTONE : BLACK, THIN BEDDED, MICRITIC MUDSTONE : WITH INTERBEDS OF CORALLINE BIOWACKESTONE, COMMONLY WITH RECLYSTALLIZED MICROCRYSTALLINE MATRIX
- LIMESTONE : BLUE GREY, THICK BEDDED, MICRITIC MUDSTONE WITH INTERBEDS OF QUARTZ SANDSTONE; (b) MICRODOLOSPARITE ALTERATION
- SHALE : BLACK, GREY WEATHERING, SILTY, LOCALLY CALCAREOUS, MINOR PYRITE
- LIMESTONE - DOLOMITE : BUFF TO WHITE, FINE TO MEDIUM CRYSTALLINE TEXTURE, CRACKLE BRECCIATED

- BEDDING
- JOINTING
- ANTICLINAL AXIS WITH PLUNGE DIRECTION
- SYNCLINAL AXIS WITH PLUNGE DIRECTION
- VEINLETS BARREN
- VEINLETS WITH LEAD OR ZINC MINERALIZATION
- MINERALIZED AREA WITH SULPHIDES; WITH OXIDES
- GOSSAN
- FLOAT WITH SPHALERITE OR GALENA
- FLOAT WITH SECONDARY ZINC OR LEAD MINERALS
- (166) SAMPLE LOCATION
- BOUNDARY OF OUTCROP OR BOUNDARY OF OUTCROP AREA STUDIED

0 100 200 300 400 500
METRES

GRID INDEX

MAP 8

DRAWN: I.B., A.K., D.J.	SCALE: 1:5000	PLACER DEVELOPMENT LIMITED	GEOLOGY MAP
TRACED: J.S.	DATE: OCT., 1980	ALFIE V-97 OSILINKA RIVER, B.C.	
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