GEOCHEMICAL REPORT ON THE GULCH 3, GULCH 4, GULCH 5, GULCH 6, GULCH 7 CLAIMS

Liard Mining Division
NTS 104 J/9E

Latitude: 58°38' North
Longitude: 130°11' West

A Report prepared for

Chris Graf, P. Eng.
#307 - 475 Howe Street
Vancouver, B.C.
V6C 2B3

By

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2348 Palmerston Avenue
West Vancouver, B.C.
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October, 1991

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDICES

INTRODUCTION

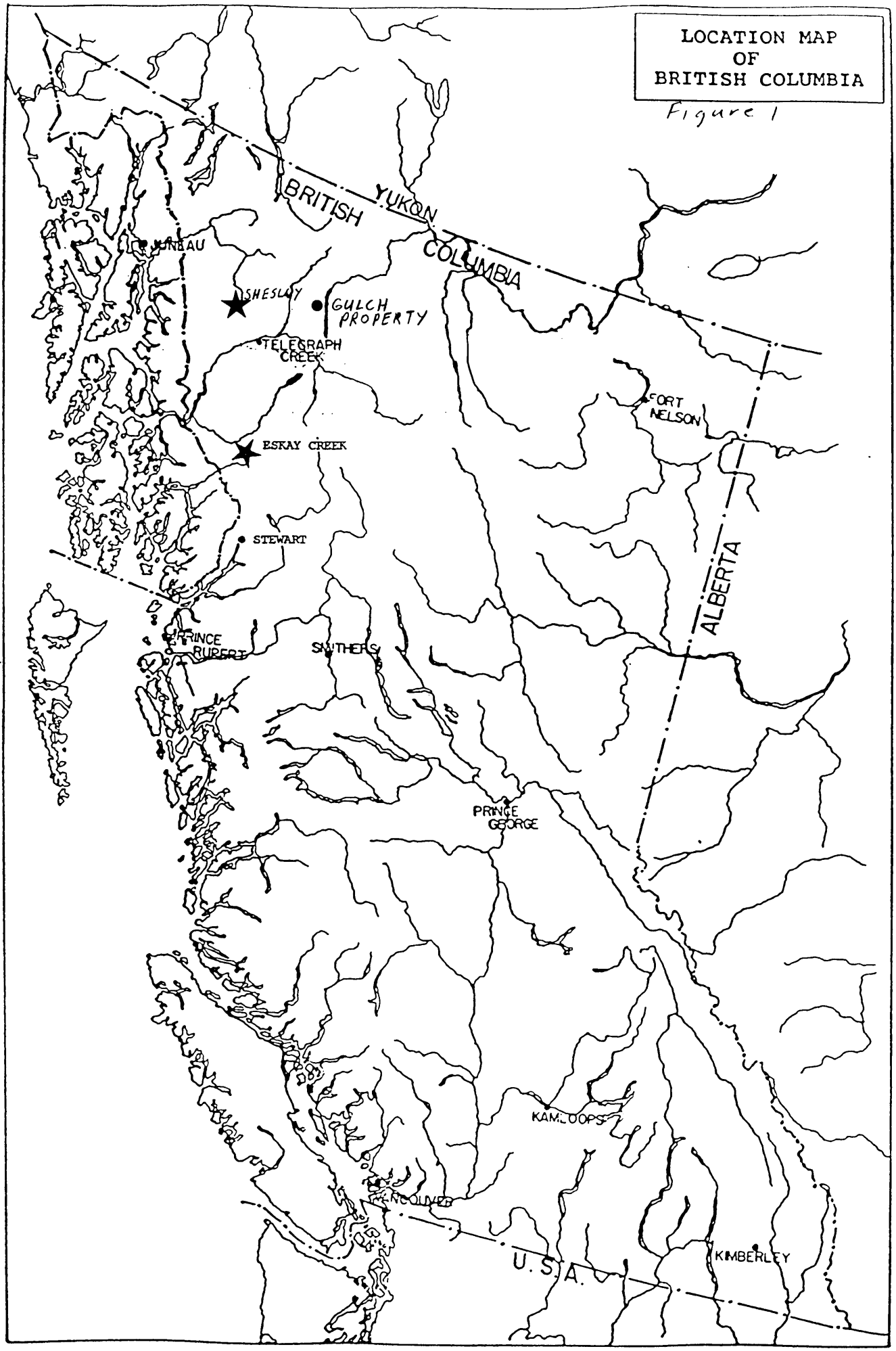
A three day geochemical program was carried out on the Gulch claims by a two person crew on August 19th, 21st and 22nd, 1991. The objects of this program were to confirm anomalous panned concentrate samples taken in 1990 (Waskett-Myers, 1990) and to attempt to locate the source of these anomalous samples. Seventeen silt, 17 pan concentrate and six rock samples were taken. The Gulch claims were staked to cover a possible source of the greater than 126,000 oz. Au that has been recovered from Dease Creek.

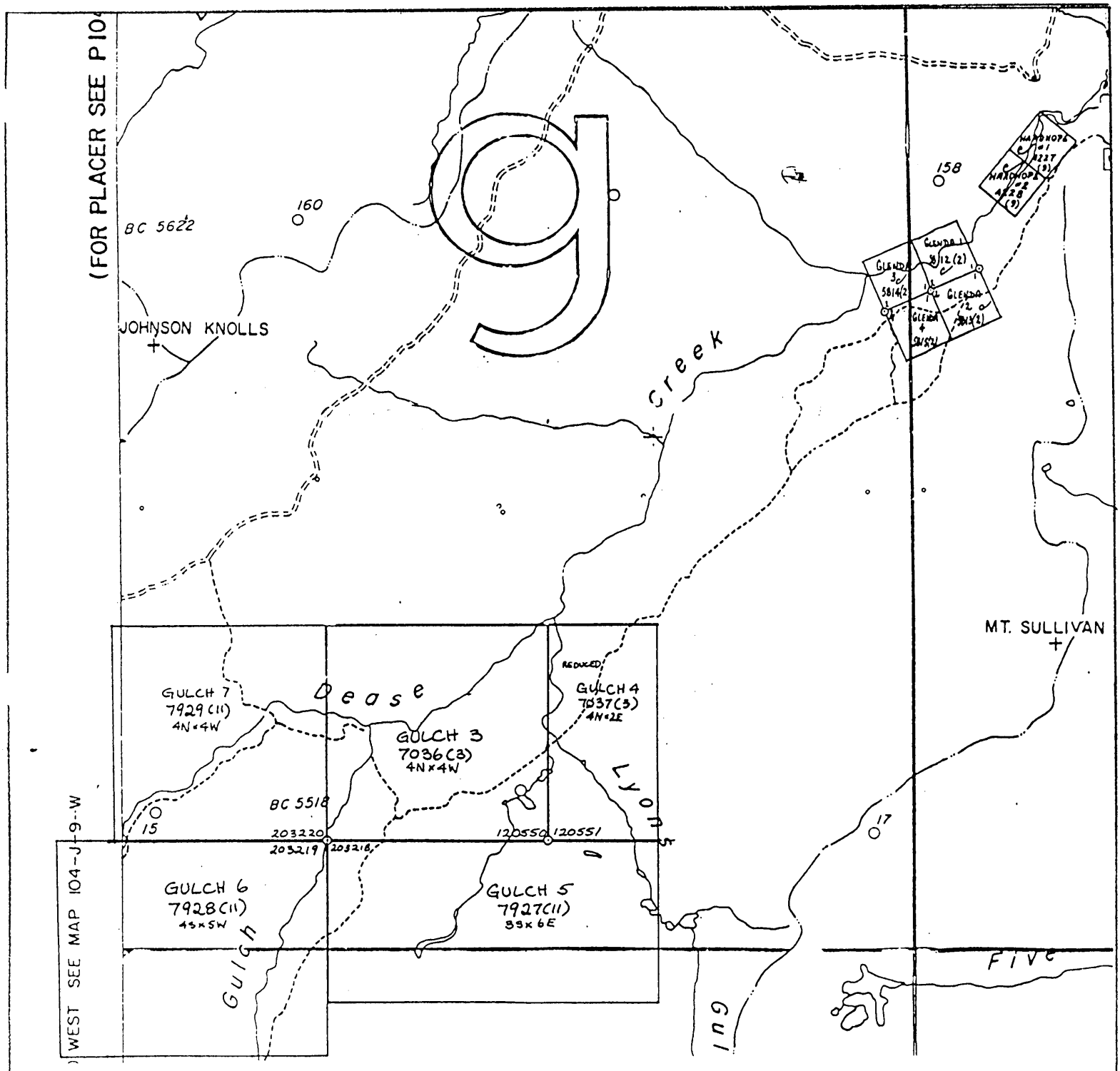
No record of bedrock exploration work previous to the 1990 program has been found, but it can be assumed that the area has been thoroughly prospected following the initial discovery of placer gold in 1874.

PROPERTY DEFINITION

The Gulch property consists of five located mineral claims, comprising 78 units. Relevant claim information is listed below:

Claim Name	Record Number	Number of Units	Expiry Date
Gulch 3	7036	16 (4N 4W)	06/03/92
Gulch 4	7037	8 (4N 2E)	07/03/93
Gulch 5	7927	18 (3S 6E)	13/11/91
Gulch 6	7928	20 (4S 5W)	13/11/91
Gulch 7	7929	16 (4N 4W)	13/11/91


LOCATION MAP
OF
BRITISH COLUMBIA
Figure 1
BRITISH
YUKON
COLUMBIA
JUNEAU
SHESLAY
GULCH
PROPERTY
TELEGRAPH
CREEK
FORT
NELSON
ESKAY CREEK
STEWART
ALBERTA
PRINCE
RUPERT
SMITHERS
PRINCE
GEORGE
KAMLOOPS
KIMBERLEY
U.S.A.



ACTIVE MINERALS LTD.

Stikine Gold Project

Gulch Claims

Part of 104 J/9E

Scale:	Date:	Figure:
1:50,000	September, 1991	2

LOCATION AND ACCESS

The Gulch claims are located 21 kilometres north north west of the town of Dease Lake in north western British Columbia. Access was achieved by helicopter set outs from Dease Lake Airport. Alternative access is possible by boat across Dease Lake to the abandoned town of Laketon, and thence by four wheel drive vehicle up cat roads following Dease Creek onto the property.

TOPOGRAPHY AND VEGETATION

Topography on the Gulch claims is subdued with the exception of the Dease Creek canyon and the canyon formed by the lower 2 km of Buck Gulch. Elevation range from 775 m at the common northwest corner of Gulch 4 and northeast corner of Gulch 3 to 1250 m in the northwest corner of Gulch 7. Vegetation consists of mature sub alpine spruce with thick buck brush, especially at higher elevations.

REGIONAL GEOLOGY

The Gulch claims lie in the central Intermontane Tectonic Belt on the Stikine Plateau approximately 30 km west of the Omineca Crystalline Belt and 100 km east of the Coast Plutonic Complex. Large areas of the Stikine Plateau are covered by Pleistocene glacial outwash obscuring bedrock geology. The most common unit in the area is a west north west trending moderately north dipping Permian and older sedimentary volcanic package. This package consists of chert, jasper, slate, argillite, greywacke and greenstone. These rocks are conformably overlain by Permian Limestone. The whole package is the unconformably overlain by Tertiary plateau basalts.

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STIKINE GOLD PROJECT
GULCH CLAIMS
GEOLOGY

After Gabrielse & Souther, 1956

Scale: 1:250,000	Date: SEP. 1991	Figure: 3

LEGEND (1:250,000)

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

11 Fluviatile gravel, sand, and silt; glacial outwash; till and alpine moraine

TERTIARY AND QUATERNARY
LATE TERTIARY AND PLEISTOCENE

10 Basalt, olivine basalt; minor trachyte and rhyolite; in part younger than 11

TERTIARY
PALEOCENE AND (?) LATER

9 Lacustrine sandstone, siltstone, conglomerate, and tuff; contains coalified wood and thin coal seams

MESOZOIC

JURASSIC
LOWER JURASSIC

8 Granite-boulder conglomerate, chert-pebble conglomerate, greywacke, quartzose sandstone, siltstone and shale; 8a, metamorphosed equivalents of 8 and including abundant sills and dykes of quartz-feldspar porphyry

7 Well bedded greywacke, graded siltstone and silty sandstone, slate; minor volcanic sandstone and pebbly mudstone; 7a, metamorphosed equivalents of 7 and including abundant sills and dykes of quartz-feldspar porphyry

TRIASSIC AND LATER

6 Undifferentiated granitic rocks, mainly granodiorite; 6a, granite and granodiorite; 6b, quartz monzonite; 6c, diorite and monzonite; 6d, syenite; 6e, diorite and gabbro

TRIASSIC
UPPER TRIASSIC

5 Limestone; minor sandstone, argillite, and chert

4 Andesite, basalt, tuff, breccia, volcanic sandstone and conglomerate; minor greywacke, argillite, and shale; many small stocks, dykes, and sills of porphyritic andesite and basalt; 4a, andesite and basalt porphyry

TRIASSIC AND EARLIER
PRE UPPER TRIASSIC

3 Undivided, fine-grained clastic sediments and intercalated volcanic rocks, largely altered to greenstone and phyllite; chert, jasper, greywacke, and limestone; 3a, chert, slate, argillite, greywacke, greenstone, and limestone; mainly pre-Permian but probably includes younger rocks; 3b, mainly greenstone; age uncertain; 3c, greenstone, jasper, slate, chert, greywacke, fine-grained clastic rocks, conglomerate; mainly post-Permian, in part older than 2

PALAEOZOIC

PERMIAN

2 Chiefly limestone and dolomitic limestone; minor chert, argillite, and sandy limestone; may locally include limestone older than 2

PERMIAN (?)

1 Peridotite, serpentinite, and small irregular bodies of meta-diorite and meta-gabbro; age uncertain, may be pre-Permian or Triassic

METAMORPHIC ROCKS

A — Diorite-gneiss, amphibolite, migmatite

B — Biotite-muscovite-quartz gneiss and schist; minor crystalline limestone, greenstone, and quartzite; probably Devono-Mississippian and (?) Pennsylvanian

Geological boundary (defined, approximate and assumed)

Limit of geological mapping

Bedding (inclined, vertical)

Bedding (direction of dip known, upper side of bed unknown)

Schistosity, gneissosity, (inclined, vertical)

Anticline

Syncline

Syncline (overturned)

Fault (defined, approximate, assumed)

Fossil locality

Glacial striae

Geology by H. Gabrielse and J. G. Souther, 1956 and 1961, E. F. Roots, 1958, and Officers of Geological Survey of Canada: 'Operation Stikine', 1956

Cartography by the Geological Survey of Canada, 1962

Road, dry weather

Trail

Horizontal control point

Intermittent stream

Marsh

Glacier

Contours (interval 500 feet)

3500

Height in feet above mean sea-level

5211

PROPERTY GEOLOGY

The majority of the Gulch claims are covered by glacial outwash. This material varies in thickness from a few metres on the central Gulch 3 claim, where some outcrop occurs, to at least 30 metres on the southern Gulch 6. Where bedrock is visible, largely in the Dease Creek canyon and lower Buck Gulch, it consists of intensely folded Phyllite with occasional quartz sweat veins. The one notably exception to this are outcrops of strongly carbonate altered, fuschite bearing listwanite along the road in the south east quadrant of the Gulch 3 claim. These listwanite outcrops are associated with considerable quartz float and are centred near UTM co-ordinates 431000 m E 6500150 m N. A northeast trending creek immediately south of this area follows a distinct 50 metres wide by 20 metres deep gully which is probably the surface expression of a northeast southwest fault. This creek is then offset in a series of four northwest trending "steps" which culminate in the main Dease Creek canyon. Topography would indicate these northwest offsets are the surface manifestations of a series of north-west trending faults. The amount of quartz and listwanite float indicates that mineralized quartz veins associated with listwanite are probably present in bedrock.

DISCUSSION OF 1991 FIELDWORK

The 1991 program consisted of taking paired pan concentrate and silt samples at approximately 0.5 km intervals upstream from the site of 1990 sample 40 (14,000 ppb Au) in Buck Gulch and from the site of 1990 sample 38 (11,000 ppb Au) in an unnamed creek between Buck and Lyon Gulch. In addition, prospecting was carried out southwest from 1990 sample 38.

Not enough samples were taken to determine anomalous levels by statistical treatment. Anomalous levels were determined from previous work in the area and discussions with other geoscientists familiar with the region. Sampling methodology and analytical procedures are included in Appendices B and E, respectively.

None of six rock samples taken were anomalous in base or precious metals. None of 17 silt samples taken were anomalous in base or precious metals. Three pan concentrate samples of 17 were anomalous in gold with one of these anomalous in silver:

Sample No.	ppb Au	ppm Ag
14985	457	0.8
14991	10450	5.2
076	5620	0.2

These samples were all taken from Buck Gulch, a past placer gold producer.

The most interesting results of the 1991 fieldwork was the discovery in place and in float of listwanite associated with abundant quartz float in the southeast quadrant of the Gulch 3 claim.

CONCLUSION

The anomalous pan concentrates samples returned from Buck Gulch reflect placer gold known to occur there. The depth of glacial outwash and subdued nature of the terrain make prospecting for the source of these anomalies extremely difficult. The possibility also exists that the gold might be concentrated from the large volume of glacial transported

material and the bedrock source could be a considerable distance away.

The presence of listwanite and considerable quartz float on and northwest of the small northeast trending creek between Buck and Lyons Gulch is very interesting. Considering the amount of placer gold recovered from Dease Creek, the observed alteration and quartz could represent a gold-quartz vein system similar in magnitude to the Erickson Mine. This possibility could be tested relatively cheaply utilizing a track mounted reverse circulation drill to drill to bedrock at short intervals up the creek. This work would have to be carried out in winter when the ground is frozen enough to support a drill. An added advantage to this program would be that the placer gravel overlying bedrock could be tested at the same time. The area of interest is limited to approximately 0.5 km , so drilling at 50 metre intervals would only involve 10 holes.

RECOMMENDATIONS

Glacial drift and subdued topography on upper Buck Gulch make further prospecting very difficult. No further work is recommended in this area.

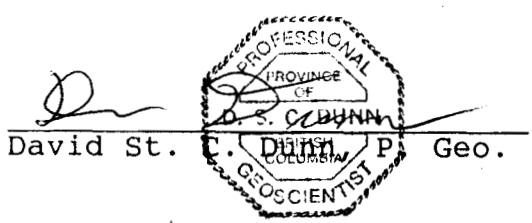
With respect to the above, the claim block should be reduced to include only a reduced Gulch 3 (2W 4N),the remaining Gulch 4 and the Gulch 5.

A reverse circulation drill program should be carried out in the winter with a track mounted rig up the small creek between Lyon and Buck Gulch. Holes should be drilled every 50 metres from 1100 metres elevation to approximately 1250 metres elevations. The holes should be drilled at least 5 metres

into bedrock to test for gold bearing quartz veins. Samples should also be taken of overburden to bedrock to test for placer gold potential.

The proposed holes should be no more than 30 metres in depth so the whole program should be approximately 300 metres. This program, including geological support, should take approximately two weeks and cost $25,000.

Respectfully submitted by:



David St. C. Dunn, P. Geo.

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Gabrielse, H. et al., 1971, Department of Energy, Mines and Resources. O.F. 707

Gabrielse, H., Souther, J.G., 1962, Geological Survey Of Canada. Map 29-1962 and Descriptive Notes

Johnston, W.A., 1925, Gold Placers of Dease Lake Area. Cassier District, B.C.

Waskett-Myers, M. Graf, G., 1990, Geological Report on Stikine Gold Project.

APPENDIX A

ASSAY CERTIFICATES

MIN
•EN
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

1V-0959-RG1

Company: ACTIVE MINERALS LTD.
Project: STIKINE GOLD SYNDICATE GULCH
Attn: DAVID DUNN

Date: SEP-06-91
Copy 1. ACTIVE MINERALS, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 6 ROCK samples submitted AUG-30-91 by DAVID DUNN.

Sample Number	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
14977	4	0.3	12	7	14
14978	1	0.2	44	9	32
1-00072	2	1.4	16	19	15
1-00073	5	1.6	10	27	44
1-00074	30	1.2	10	19	16
1-00075	25	1.4	9	20	18

Certified by _____

MIN-EN LABORATORIES

COMP: ACTIVE MINERALS LTD.
PROJ: STIKINE GOLD SYNDICATE GULCH
ATTN: C.GRAF/D.DUNN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-0959-PJ1
DATE: 91/09/06
• PAN CONCENTRATE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	WT-GM
14975	.6	10090	1	6	54	.1	10	8960	.1	14	22	31350	720	8	10010	503	1	50	69	530	6	1	20	1	1635	70.0	54	1	1	6	118	4	30.47
14979	.1	13300	1	4	70	.1	15	10100	.1	23	38	61390	1050	10	13880	738	1	90	87	810	7	1	24	1	2590	156.7	79	1	2	9	182	11	19.49
14981	.1	5790	1	3	24	.1	8	12840	.1	22	13	139420	180	3	9830	444	1	550	17	4320	1	1	23	32	1614	355.8	44	1	1	5	35	8	7.92
14983	1.3	23720	1	1	62	.1	22	18520	.1	26	40	59190	980	10	15450	670	1	100	101	550	3	1	33	1	4217	170.1	126	1	3	8	127	40	23.01
14985	.8	14170	1	1	71	.1	17	11510	.1	18	19	54100	1040	9	9520	548	1	90	33	590	6	1	39	1	3188	167.4	71	1	3	7	117	457	38.01
14987	.9	13960	1	1	85	.1	9	10130	.1	12	19	29500	1140	9	7750	977	1	80	29	550	6	1	30	1	1680	69.0	57	1	2	4	63	7	22.72
14989	.6	15610	1	1	65	.2	11	11450	.1	16	21	43740	1040	10	11300	526	1	90	52	660	5	1	27	1	1974	114.3	76	1	2	5	83	4	16.29
14991	5.2	13600	1	1	53	.1	16	11490	.1	28	24	106520	820	8	10790	712	1	60	56	770	2	1	25	1	3203	369.6	82	1	2	14	192	10450	18.78
14993	.5	12480	1	1	56	.1	14	10750	.1	18	22	50560	880	8	11610	529	1	80	75	580	5	1	26	1	2475	134.8	58	1	2	11	216	194	21.40
14995	.1	11300	1	1	40	.1	20	11470	.1	31	22	112840	660	6	11030	722	1	60	77	640	3	1	27	1	3982	346.7	75	1	3	19	383	200	47.53
1-00076	.2	10870	1	1	50	.1	12	10120	.1	22	35	53500	740	7	11670	514	1	500	82	630	10	1	21	1	2166	139.1	64	1	1	8	149	5620	38.87
1-00078	.4	12400	1	1	147	.1	10	10150	.1	19	30	40760	790	9	12280	604	1	330	68	610	8	1	22	1	1816	93.7	66	1	1	7	130	56	24.77
1-00080	.1	12680	1	1	78	.1	16	11420	.1	27	40	70370	790	8	13270	611	1	340	88	660	5	1	27	1	2818	193.6	73	1	2	12	230	31	36.04
1-00082	.8	13420	1	1	63	.1	14	11960	.1	21	32	47340	770	8	13230	533	1	330	77	660	10	1	27	1	2543	119.5	67	1	2	8	159	84	50.76
1-00084	.9	13320	1	1	63	.1	11	11010	.1	18	26	35180	910	8	12620	523	1	320	70	560	7	1	24	1	1953	84.0	61	1	2	6	114	10	12.84
1-00086	.6	12690	1	1	49	.1	11	10770	.1	15	21	34310	650	9	12750	472	1	300	72	580	7	1	22	1	1933	84.3	59	1	1	5	96	26	33.39
1-00088	.3	10190	1	1	38	.2	7	8270	.1	14	19	33370	430	8	11900	427	1	340	68	530	8	1	14	1	1274	83.1	55	1	1	5	99	3	31.53

COMP: ACTIVE MINERALS LTD.
PROJ: STIKINE GOLD SYNDICATE GULCH
ATTN: C.GRAF/D.DUNN

MIN-EN LABS — ICP REPORT

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(604)980-5814 OR (604)988-4524

FILE NO: 1V-0959-LJ1
DATE: 91/09/06
* SILT * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
14976	.5	14540	1	2	137	.4	8	9970	.1	15	45	32020	1520	11	11370	503	1	140	90	980	10	1	34	1	1288	63.9	88	1	1	5	97	4
14980	.1	15380	1	1	251	.3	9	12820	.1	24	56	49820	1930	11	12710	4765	1	180	172	1410	20	1	52	1	1225	77.0	111	1	2	6	111	2
14982	.5	8720	1	1	87	.2	4	7680	.1	7	38	11050	540	6	3400	119	1	700	63	390	7	1	27	1	584	28.9	57	1	1	4	90	1
14984	1.1	21020	1	1	110	.2	15	13460	.1	21	52	41950	1450	12	12850	757	1	590	98	830	11	1	38	1	2671	93.6	188	1	3	5	89	1
14986	.4	20630	1	1	186	.6	9	11410	.1	16	42	36970	1940	17	9220	767	1	690	46	990	14	1	53	1	1533	66.5	125	1	1	3	55	4
14988	.1	16740	1	1	187	.1	10	10130	.1	18	34	41760	1490	14	9840	3407	1	390	55	750	16	1	36	1	1678	66.9	115	1	2	4	61	1
14990	.1	19920	1	1	172	.4	11	12820	.1	18	46	42060	1770	15	10580	1788	1	470	63	1130	11	1	55	1	1731	74.1	148	1	2	4	66	2
14992	.5	16460	1	1	122	.3	10	11080	.1	16	36	35140	1230	12	10850	1167	1	500	60	850	12	1	39	1	1624	70.2	131	1	2	4	68	3
14994	1.0	17630	1	1	114	.4	12	8940	.1	16	45	31460	1420	11	15340	596	1	420	100	890	9	1	28	1	1890	63.2	71	1	2	5	98	4
14996	.9	16340	1	1	99	.2	12	11070	.1	16	29	34830	1220	11	11240	588	1	440	61	790	7	1	37	1	2190	82.7	80	1	2	5	93	1
1-00077	.7	15170	1	1	126	.4	10	10490	.1	18	42	36790	1470	11	13150	971	1	450	73	840	15	1	34	1	1646	67.4	117	1	3	5	87	1
1-00079	.6	14720	1	1	126	.4	8	10640	.1	18	45	36110	1500	10	12340	942	1	530	68	830	17	1	33	1	1430	63.8	108	1	3	4	78	1
1-00081	.7	16420	1	1	169	.3	10	11310	.1	21	43	39900	1640	11	13740	897	1	750	77	800	13	1	36	1	1726	77.2	117	1	3	5	104	2
1-00083	.5	15630	1	1	118	.2	11	11350	.1	18	37	38530	1520	10	13050	755	1	520	71	800	12	1	36	1	1940	80.4	103	1	2	5	94	3
1-00085	.5	15210	1	1	91	.3	10	10180	.1	18	32	34950	1220	12	14100	874	1	480	70	820	9	1	26	1	1552	68.3	89	1	1	4	82	1
1-00087	.9	17280	1	1	107	.3	11	10780	.1	17	33	34960	1480	12	14020	734	1	500	74	730	12	1	37	1	1880	74.3	96	1	2	5	92	4
1-00089	.6	17160	1	1	104	.4	12	10580	.1	18	32	38810	1550	12	14700	807	1	470	82	680	9	1	34	1	1925	84.6	99	1	2	6	115	2

APPENDIX B

SAMPLING METHODOLOGY

SAMPLING METHODOLOGY

ROCK SAMPLES

Approximately 5 kg of rock chips were placed in a 6 mil plastic bag with a sample tag; the bag was marked with the tag number and the samples shipped to Min-En Laboratories in North Vancouver.

SILT SAMPLES

Approximately 0.5 kg of fine sediment was collected from the active stream channel, placed in a standard kraft bag with a sample tag and the tag number written on the bag. The sample was then dried and shipped to Min-En Laboratories in North Vancouver.

SOIL SAMPLES

Approximately 0.5 kg of B horizon soil was collected from 10 cm to 25 cm depth, put in a standard kraft bag with a sample tag and the tag number written on the bag. The sample was then dried and shipped to Min-En Laboratories in North Vancouver.

PAN CONCENTRATE SAMPLES

Two pans of material were collected from the active stream channel, sieved to -1.25 cm and panned to a black sand concentrate. One pan of moss was washed with the resulting residue panned to a black sand concentrate. These concentrates were combined and placed in a 6 mil plastic bag with a sample tag. The bag was labelled with the tag number

APPENDIX C

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, David St. Clair Dunn, with a business address of 2348 Palmerston Avenue, West Vancouver, B.C. declare that:

1. I am a Professional Geoscientist registered under the Professional Engineers and Geoscientists Act of the Province of British Columbia.

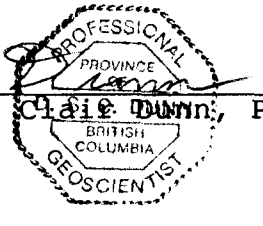
2. I am a Fellow of the Geological Association of Canada.

3. I am an affiliate member of the Association of Exploration Geochemists.

4. I have practised my profession as a prospector and geologist in Canada, U.S.A. and Australia for over 20 years.

5. I personally supervised the work on the Gulch claims.

6. I do not hold any interest in the Gulch claims nor do I expect to receive any.



David St. Clair Dunn, P. Geo.

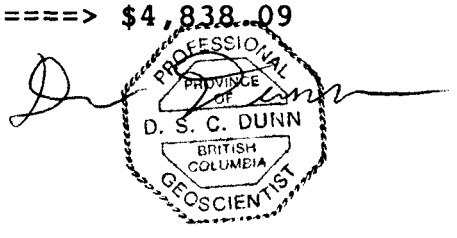
APPENDIX D

STATEMENT OF COSTS

STATEMENT OF COSTS

Project Preparation			$ 87.23
Mob Demob			463.21
Project Expenses:			
Wages: D. Dunn 3 days @ $250/day + GST (August 19, 21 & 22, 1991)			802.50
B. Goad 3 days @ $150/day + GST (August 19, 21 & 22, 1991)			481.50
Room and Board			214.29
Helicopter			1,370.75
Truck Rental			189.11
Analytical charges:	6 rocks	111.00	
	17 silts	246.50	
	17 pan con	272.00	
		629.50	629.50
Report preparation			600.00

TOTAL ==========> $4,838.09



APPENDIX E

ANALYTICAL METHODS

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK

PROCEDURE FOR AU, PT OR PD FIRE GEOCHEM

Geochemical samples for Au Pt Pd are processed by Min-En Laboratories, at 705 West 15th St., North Vancouver, B.C., laboratory employing the following procedures:

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

A suitable sample weight; 15.00 or 30.00 grams is fire assay preconcentrated. The precious metal beads are taken into solution with aqua regia and made to volume.

For Au only, samples are aspirated on an atomic absorption spectrometer with a suitable set of standard solutions. If samples are for Au plus Pt or Pd, the sample solution is analyzed in an inductively coupled plasma spectrometer with reference to a suitable standard set.

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH VANCOUVER, B.C.
CANADA V7M 1T2

PHONE: (604) 980-5814 (604) 988-4524
TELEX: VIA USA 7601067
FAX: (604) 980-9621

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR AG, CU, PB, ZN, NI, CO OR CD GEOCHEM

Samples are processed by Min-En Laboratories at 705 West 15th Street, North Vancouver, employing the following procedures.

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

0.50 gram of the sample is digested for 2 hours with an aqua regia mixture. After cooling samples are diluted to standard volume.

The solutions are analysed on atomic absorption spectrometers using the appropriate standard sets. A background correction can be applied to Ag, Pb, and Cd if requested.

OFFICE AND LABORATORIES:
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TELEX: VIA USA 7601067
FAX: (604) 980-9621

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR 31 ELEMENT TRACE ICP

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu,
Fe, K, Li, Mg, Mn, Mo, Na, Ni P, Pb, Sb,
Sr, Th, Ti, V, Zn Ga, Sn, W, Cr

Samples are processed by Min-En Laboratories, at 705 West 15th Street, North Vancouver, employing the following procedures.

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

0.5 gram of the sample is digested for 2 hours with an aqua regia mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers. Reports are formatted and printed using a dot-matrix printer.

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH VANCOUVER, B.C.
CANADA V7M 1T2

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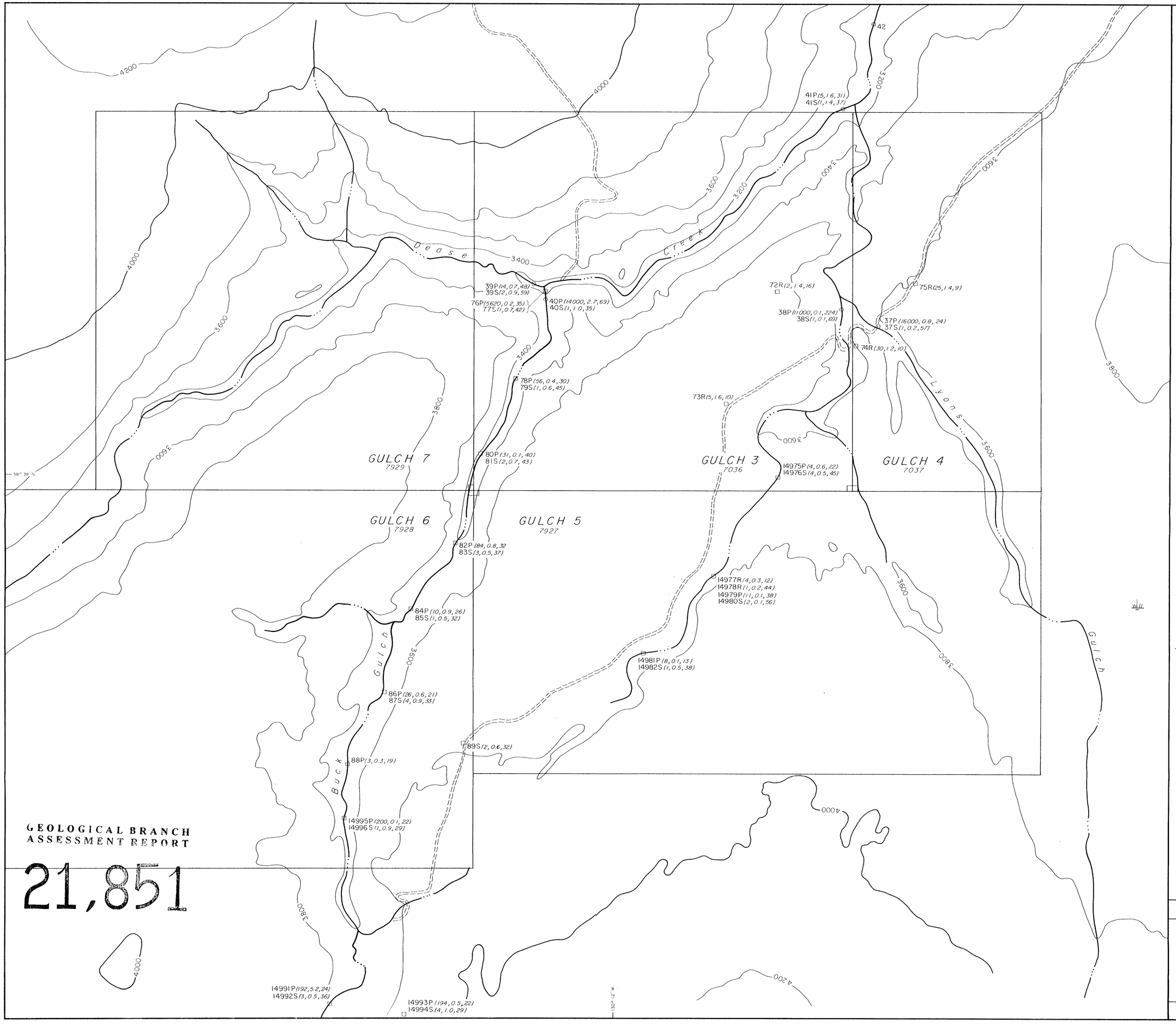

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,851

LEGEND

- road
- creek
- swamp
- contours (200ft interval)
- ○ 1990 sample
- □ 1991 sample
- 33R rock sample
- 33P pan concentrate sample
- 33S silt sample
- (3,0.3,33) geochemistry values (Au ppb, Ag ppm, Cu ppm)
- claim boundary with L.C.P.

100 0 100 200 300 400 500
metres

ACTIVE MINERALS LTD.

GULCH PROPERTY

Sample Locations

SCALE	DATE	FIGURE
1 : 10000	Sept. 1991	4