GEOCHEMICAL AND GEOLOGICAL REPORT

LOG NO: 11-16	RD.
ACTION:	
FILE NO:	

on the

DIL CLAIM GROUP

Clinton Mining Division

Latitude 51°16' Longitude 123°15'

N.T.S. 920/3&6

by:

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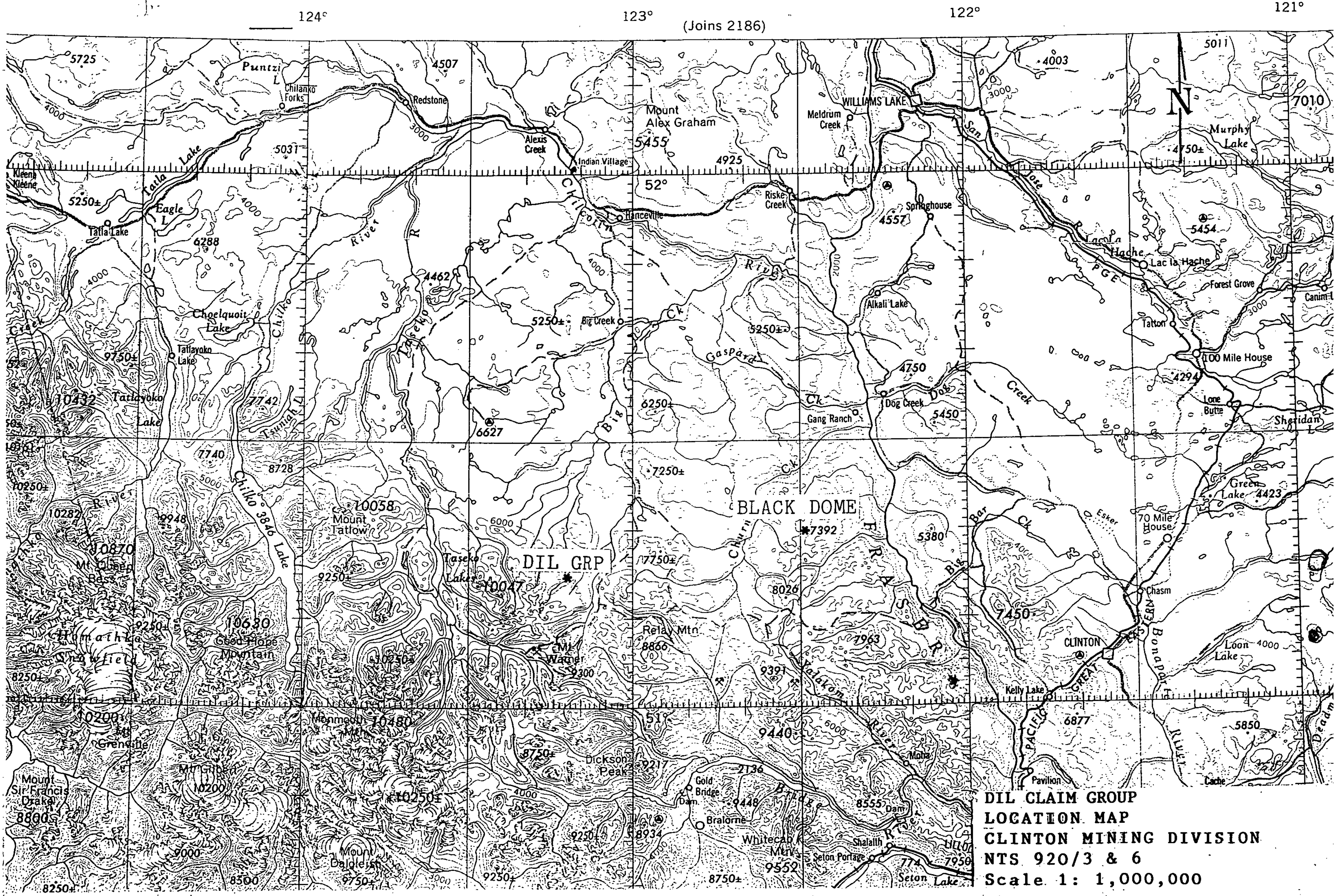
ILLUSTRATIONS

1.0 INTRODUCTION

The DIL property is an epithermal gold prospect located in the Clinton Mining Division, 21 kilometres east of Taseko Lake. Previous work on the DIL Property returned significant gold assays (up to 19,320ppb) from grab samples of quartz vein material. The objective of the 1990 program was to confirm these high assays while locating a bedrock source. During the period June 26th to July 13, 1990, a 200 by 25 metre picketed grid was established on the DIL Property while collecting 50 rock samples for geochemical analysis. The author wishes to acknowledge the assistance of the INCO Gold Exploration who provided additional helicopter trips. The results of rock sampling conducted by INCO have also been included in this report. This report compiles all the results of this year's sampling with those of previous surveys.

1.1 Location

The DIL property, comprised of the DIL mineral claim group in the Clinton Mining Division, is situated approximately 120 kilometres southwest of the city of Williams Lake, B.C. (Figure 1). More precisely, it is located at 51 degrees, 16 minutes north latitude, and 123 degrees, 15 minutes west longitude (National Topographic System Map 920/3 and 920/6).



DIL CLAIM GROUP
LOCATION MAP
CLINTON MINING DIVISION
NTS 92O/3 & 6
Scale 1: 1,000,000

FIGURE 1

1.2 Access and Physiography

Access to the property is by helicopter from either Lillooet or Williams Lake. Road access exists to within 10 kilometres to the north and 20 kilometres to the southwest of the claims.

The northern portion of the claims overlie a northwest trending ridge while the southern portion covers a gently northeast sloping plateau. Elevations on the claims range from 1,900 to 2,350 metres above sea level.

Tree line is generally at an elevation of 2,000 metres, hence vegetation over most of the claims is limited to alpine grasses, lichen and mosses. The lower slopes are covered by scrubby alpine spruce and balsam.

1.3 History

The DIL 1 and 2 mineral claims were staked in 1987 to acquire an occurrence of auriferous quartz float found by Barrier Reef Resources in 1980. Work carried out in 1980 included reconnaissance geological mapping, limited rock sampling, and soil sampling on a 200 by 500 metre grid. Soil sampling showed large areas of the claims to be anomalous for gold (>90ppb) and rock sampling of quartz float obtained gold values in excess of 2,000ppb. These rock and soil anomalies

were apparently never followed up.

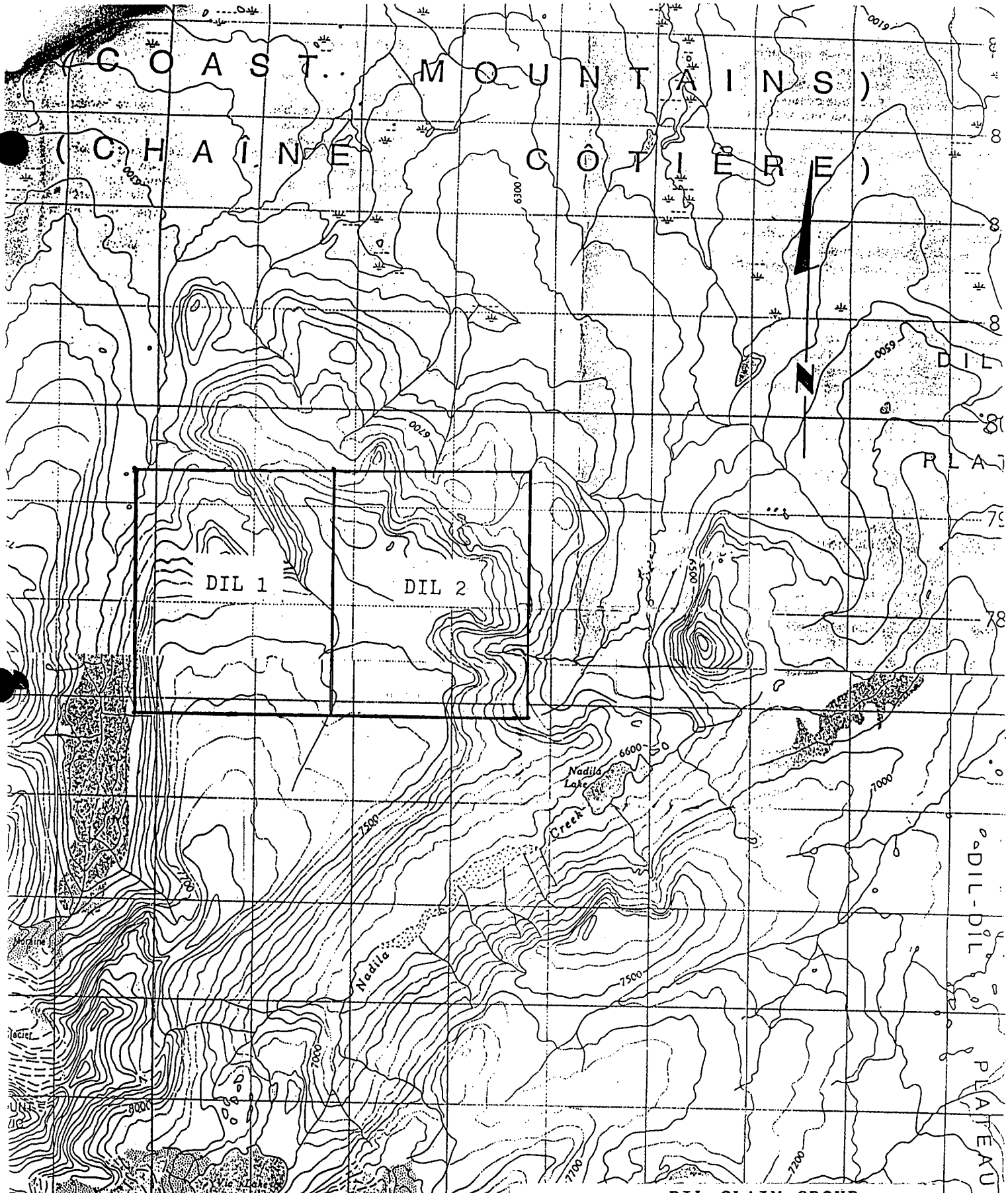
In 1987, after staking the DIL 1 and 2 claims, J. A. McClintock remapped the property. While mapping, quartz float of vuggy, banded epithermal quartz containing minor fine-grained pyrite, lesser arsenopyrite, and stibnite was observed in northeasterly trending boulder trains.

Additional sampling and analyses of samples of the quartz collected from the boulder trains by J. A. McClintock in August 1988 showed them to contain up to 4,600ppb gold and 16.2ppm silver with anomalous values in arsenic, antimony and mercury. Follow-up sampling conducted by J. A. McClintock and Giles Peatfield showed one grab sample of quartz float to contain 19,320 ppb gold.

1.4 Ownership

The DIL property, owned by R. Durfeld, is comprised of two contiguous modified grid mineral claims totalling 40 units. The status of these claims is summarized below and the relative claim locations are plotted on Figure 2.

Claim Name	Record No.	Units	Record Date
DIL 1	2320	20	August 18, 1987
DIL 2	2321	20	August 18, 1987



DIL CLAIM GROUP
CLAIM MAP
CLINTON MINING DIVISION
NTS 920/3 & 6
Scale 1: 50,000

FIGURE 2

2.0 GEOLOGY

2.1 Regional Geology

The vicinity of the DIL property has been mapped by H.W. Tipper of the Geological Survey of Canada (92/0, Open File 534). Tipper shows the claim area to be underlain by Mesozoic - Age clastic sedimentary and volcanic rocks of the Taylor Creek and Kingsvale groups. These Mesozoic-age rocks have been intruded by Eocene-age stocks and dyke-swarms of feldspar porphyry. Capping these older rocks, are flat-lying basalt flows of Miocene-age.

2.2 DIL Property Geology

Geological mapping of the DIL claims by J. A. McClintock was carried out in 1987. The 1990 mapping concurred with this initial interpretation, while defining contact and veined areas more closely.

The oldest rocks on the claims are lower Cretaceous grey to black, thinly bedded siltstone, argillite and lesser greywacke of the Taylor Creek group (Unit K_T). These rocks are pyritic and hornfelsed where intruded by feldspar porphyry dykes. Rocks of the Upper Cretaceous Kingsvale group occur in the west and south central areas of the claims. The contact between the Kingsvale and Taylor Creek

groups is not exposed on the property, but has been mapped by H. W. Tipper as an unconformity.

On the claim, the Kingsvale group (not shown on Figure 3) is divisible into a sedimentary unit (Ks) and a volcanic unit (Krd). The sedimentary unit consists of grey to reddish-brown greywacke, siltstone and lesser shale. The volcanic unit consists of tuffs, breccias, and ash-flow tuffs of rhyodacitic composition.

Feldspar porphyry occurs as dykes and irregular masses up to 300 metres thick that occupy a 600-metre wide, northwesterly trending zone in the northern portion of the claims (Unit E_P). The dykes cut siltstone and argillites of the Taylor Creek group at shallow angles to the bedding. The feldspar porphyries are light tan to grey colored and range in texture from a sparse to crowded porphyry comprised of subhedral phenocrysts of feldspar, minor hornblende and, less commonly, rounded "eyes" of quartz in a fine grained felsic group mass. In the southwest corner of the geology map the feldspar porphyry also contains distinct, hexagonal, porphyritic biotite grains. Everywhere, the feldspar porphyry is weakly to moderately sericitized, chloritized and pyritized.

Most of the southern claim area is underlain by flat lying Miocene-age columnar jointed and vesicular basalt flows (Unit M_C). These younger rocks cap the Kingsvale Group sedimentary rocks.

The dominant structures on the claims are west to northwest trending, steep-angle normal fault which down drop the Miocene basalts against the feldspar porphyry dyke swarms and the Taylor Creek rocks.

Weaker vertical to steep dipping faults and joints were noted on northeasterly and northerly trends. The three quartz veined bedrock locations were controlled by vertical joints on this northeast (50 to 60 degree) trend.

2.3 Mineralization

Of primary interest on the DIL claims is quartz vein material that occurs as northeasterly trending veins and forms northeasterly trending boulder trains in areas of frost-heaved felsenmeer of feldspar porphyry and hornfelsed pyritic siltstone. The vein material is multiple banded, vuggy and chalcedonic epithermal quartz suggesting several stages of emplacement. Quartz locally forms pseudomorphs after calcite, a characteristic common to an epithermal system.

Sulphides forms less than 1% of the vein material and consist of a fine to very fine grained pyrite with lesser amounts of arsenopyrite stibnite and chalcopyrite.

Four prominent northeasterly trending quartz boulder trains are present and are referred to as the Spur, Western, Eastern

and Stibnite zones. Although the style of quartz vein material and the relative abundance of sulphides is variable all four float trains show banded, chalcedonic and vuggy textures characteristic of development as an epithermal system.

2.4 Vein Geochemistry

Appendix I, compiles the geochemical results of all the known vein locations and a brief description of samples collected as this program. All of these geochemical results were merged into a data base for statistical analysis and computer assisted drafting. The statistics are summarized as appendix II and the results are plotted for gold, silver, arsenic, antimony, mercury and molybdenum as figures 4 to 9. To assist in the definition of geochemically anomalous zones values below a defined threshold for individual elements were not plotted and the data points were sized relative to absolute value.

Gold shows anomalous to highly anomalous samples from all zones, with the east zone having the highest values (up to 16,000 ppb gold and also covering the area of G. Peatfelds 19,320 ppb sample) followed by the west, stibnite and spur zones respectively. A single sample at the north zone showed 15,997 ppb gold from a quartz, pyrite, chalcopyrite vein.

The relative abundance of the other plotted elements was

visually graded as weak, moderate and strong for the individual zones and is compiled in table format below:

ZONE	GOLD	SILVER	ARSENIC	ANTIMONY	MERCURY	MOLYBDENUM
WEST	mod	mod	mod	mod	strong	strong
SPUR	weak	mod	mod	weak	weak	strong
STIB-NITE	weak	mod	mod	strong	weak	strong
EAST	strong	weak	weak	weak	strong	strong
NORTH	strong	strong	mod	weak		weak

The above table suggests that all the zones except the east zone have a strong silver and arsenic association. The stibnite and west zones show an antimony association. While the east and west zones, with the strongest gold values, show the highest mercury values. The mercury response for the north zone is not known, as samples were not analyzed for mercury. The molybdenum values were found to be high in all the zones except for the north zone.

The above described chemical patterns, although based on limited sampling, can be explained by vertical and lateral zonation in an epithermal system. The most obvious of these patterns is the high antimony values in the Stibnite and West zones that occur at the same elevation. All of the vein zones show multiple quartz veining and individual stages would also contribute to these zonation patterns.

Additional geochemical sampling would define the overall zonation patterns on the DIL property and where the indivi-

dual zones fit with respect to economic gold mineralization and the overall epithermal system.

3.0 DISCUSSION

Geological mapping shows the map area to be underlain by Cretaceous Age Taylor Creek sediments that are cut by irregular porphyritic dykes sills.

The previous petrographic study by J. A. McClintock concluded that:

"Although the petrographic study is not complete, in conjunction with surface mapping, some conclusions can be drawn. It appears that an initial stage of alteration consisting of a central area of phyllic alteration and a peripheral zone of propylitic alteration occurred either during emplacement of the feldspar porphyry or shortly after. During this alteration episode, rocks over a broad area of the of the claims were seriticized, chloritized, and pyritized. Minor numbers of widely spaced 1-3mm quartz and calcite veins were formed either contemporaneously or subsequently to the pervasive alteration.

At some time after the phyllic alteration, both the feldspar porphyry and sedimentary rocks were fractured and brecciated along northeast trending structures. Hydrothermal fluids,

using these structures as channelways, altered the host rock to clay and sequentially deposited quartz and carbonate. Limonite, which is the final mineral introduced to the rock, appears to be related to a late stage of oxidation caused by either surface weathering or as a result of boiling of the hydrothermal fluids. These alteration products and associated cockscomb textures, and pseudomorphs alter calcite observed in quartz on the megascopic scale are typically of alteration and quartz deposition found in epithermal precious metal vein systems."

This years additional rock sampling has located northeasterly trending bedrock vein exposures, which suggest the northeasterly trending boulder trains mimic a bedrock structure. The compilation of the geochemical results from this and previous surveys shows significant gold values (16,000 ppb to 19,320 ppb) and associated anomalous silver, arsenic, antimony, mercury and molybdenum which are often associated with epithermal systems. Due to the limited bedrock exposure chip samples represent grabs of vein material and the thickness of the vein structure, the wall rock and intervening shear or contact were not assessed. At the Blackdome Mine the gold grades are carried in both the vein and sheared vein zones.

The encouraging results of the 1990 work fully justify ongoing exploration on the DIL property. A program of excavator trenching with a small excavator would provide an

effective evaluation of a bedrock source in the east, spur and stibnite zones. Multielement analysis of all samples, particularly gold, silver, arsenic, antimony, mercury and molybdenum will assist in definition of the chemical zonation of the DIL property.

APPENDIX I

SAMPLE DESCRIPTIONS

POINT DATA ASSAY REPORT

13-Oct-90

Sapl Nabr	East	North	AU PPB	AG PPM	AS PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	HG PPB	Geological Description
34611	4644	4634	78	1.1	123	22	148	84	1076	20	1290	- Mv, xal vugs, bladed xal casts, no sulphides, strong lim.
34612	4999	4612	158	1.6	32	13	250		22		1285	- Mv, xal vugs, sulphides <0.5%, py, lim.
34613	4753	4998	528	11.2	30	27	1400		91		3570	- Mv, xal vugs, bladed xal casts, sulphides 1%, py, lim.
34614	4751	4998	232	4.1	77	27	3000		52		3995	- Mv, rusty xal vugs, sulphides <0.5%, py, lim.
34615	4752	4998	118	2.0	67	23	1020		17		2250	- Mv, rusty vugs, sulphides <1%, py, jar, tet(?), lim.
34616	4680	5174	59	2.4	12	276	476		1		715	- angular ,strong, arg alt frags in rusty carb matrix.
34617	4721	5100	120	1.6	28	47	120		17		545	- Mv, rusty xal vugs, sulphides <<1%, py, lim.
34618	4783	4478	23	1.8	583	647	105		260		1670	- rusty, gossanous siltstone (dear contact with Fp).
34619	4777	4479	42	.8	110	15	33		40		1540	- Mv, rusty xal vugs, sulphides <1%, py, lim.
34651	4775	4575	145	.2	718	67	21	25	1021	71	3625	- silicified & veinleted siltstone, grey to olive green.
34652	4776	4575	465	2.4	281	60	136	92	29467	81	7000	- Mv, rusty vugs, sulphide <1%, py, lim.
34653	4777	4575	278	.3	701	65	58	26	1825	78	4125	- silicified & veinleted siltstone, grey to green
34654	4770	4606	1400	2.7	356	39	137	67	199	22	2750	- Mv, xal vugs, sulphide <1%, py, lim.
34655	4633	4627	795	10.1	65	8	685	799	187	48	2375	- Mv, xal vugs, no sulphide noted, lim.
34701	4837	4969	422	14.2	113	25	1781	337	72	23	4875	- Mv, xal vugs, no sulphide noted, minor lim.
34702	4827	4965	220	5.6	55	6	334	171	27	52	2750	- Mv, rusty xal casts, bladed xal casts, no sulphide, lim.
34703	4748	4932	119	.7	153	8	30	42	42	7	2125	- Sv, several phases, no sulphides, minor lim.
34704	4758	4584	320	1.9	150	67	84	189	414	80	2500	- Mv, rusty xal vugs, no sulphides noted, lim.
34705	4762	4626	78	1.0	208	32	57	79	120	16	1875	- as for sample 34704.
34706	4746	4632	200	4.4	80	20	477	206	33	27	3500	- Mv, rusty xal vugs, bladed xal casts, sulphides <1%,m py.
34707	4675	4660	1100	8.6	98	11	702	558	190	79	3875	- Mv, rusty xal vugs, sulphides <<1%, py, lim.
47206	4762	4550	87	.4	125	19	55	57	124	17		
47222	5000	5650	175	4.5	313	623	1	2	3	51		
47223	5000	5650	18	.2	60	11	1	11	5	46		
47224	5000	5650	15997	73.0	39	32	1	32	2	293		
47225	5000	5650	48	3.1	12	26	152	76	8	31		
47230	4468	4651	461	15.0	76	13	1740	302	60	20		
47231	4474	4665	580	7.5	93	15	2024	124	49	6		
47232	4474	4665	6725	16.0	787	288	151	238	44	161		
47233	4473	4663	624	6.3	3064	57	1137	152	93	72		
47234	4489	4686	3805	10.8	986	279	129	778	39	118		
47235	4489	4685	2891	19.6	1485	318	133	1494	45	420		
47236	4490	4686	2423	16.7	1632	191	236	1264	61	180		
47237	4490	4685	4587	14.0	1089	147	186	1062	45	169		
47238	4487	4690	842	3.3	680	429	44	115	14	48		
47239	4472	4690	297	2.6	288	134	108	197	19	30		
47240	4477	4661	1592	8.8	395	459	12	918	10	405		
47241	4781	4578	831	1.8	532	51	76	19	509	121		
47242	4560	4766	406	.9	329	49	92	56	248	118		
47243	4560	4766	106	.5	64	22	32	89	71	27		

POINT DATA ASSAY REPORT

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Smpl Numbr	East	North	AU PPB	AG PPM	AS PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	HG PPB	Geological Description
1001	4573	4906	141	1.0	77	22		180	23	58	765	
1002	4577	4926	17	1.1	58	59		107	26	33	915	
1003	4579	4957	176	5.4	131	29		214	45	84	2125	
1004	4545	4979	18	2.4	63	18		74	24	11	1405	
1005	4525	4958	3	2.0	72	18		57	29	8	1190	
1006	4542	4935	2	1.8	122	16		51	27	17	2500	
1007	4545	4915	16	2.0	98	24		117	27	21	565	
1008	4494	4916	1	1.0	102	26		124	29	29	1625	
1009	4495	4965	2	1.5	62	16		107	31	7	950	
1010	4486	4986	79	1.2	158	55		275	35	85	1275	
1011	4491	5006	1580	12.3	89	57		218	66	87	2375	
1252	4762	4550	1567	26.9	273	48	3193	560	718	44		
2903	4850	4880	16000	3.7	833	280	400		200		92875	- Mv, rusty xal vugs, sulphides 1%, py, lim.
2904	4850	4882	1750	3.2	168	96	760		70		7000	- as for sample 02903
2905	4850	4876	1000	5.0	105	58	360		40		11000	- Mv, rusty xal vugs, sulphides <1%, py, lim.
2906	4846	4886	600	9.3	83	30	720		50		18125	- Mv, rusty xal vugs, bladed xal casts, no sulphide, jar.
2907	4848	4884	12000	5.4	85	42	440		58		24625	- Mv, xal vugs, sulphides 2% ,py ,tet(?), lim.
2908	4838	4881	2530	7.2	133	86	480		116		16750	- Mv, rusty xal vugs, no sulphides noted, lim.
2909	4838	4879	449	9.0	38	12	820		32		8500	- as for sample 02908
2910	4841	4874	162	1.0	15	27	37		1		1000	- medium grey silicious, hornfelsed siltstone with fg py..
2912	4835	4885	335	3.6	73	23	320		50		13750	- Mv, rusty xal vugs, no sulphides noted, lim.
2913	4425	4625	570	9.5	93	53	1220		19		11750	- Mv, xal vugs, sulphides <1%, py, jar, blue min (no ID).
2914	4751	4498	198	1.0	150	22	30		54		23875	- Mv, xal vugs, inclusions dark grey seds, trace py, lim.
2915	4620	4500	622	.3	875	161	14		30		10625	- very strongly altrered intrusive,may be deuteric from py.
2916	4550	4500	536	1.1	875	170	6		23		7625	- strongly clay altered intrusivewith minor quartz vein.
2917	4550	4505	690	2.5	52	12	300		60		11250	- Mv, xal vugs & cockscomb textures, no sulphides noted, py.
2918	4520	4500	6600	2.9	152	52	100		560		4375	- Mv, rusty vugs, sulphides <1%, py, lim.
2919	4380	4500	492	7.0	417	130	255		60		11625	8 Mv, rusty vugs, no sulphides noted, lim.
2920	4185	4385	2	1.8	13	8	22		2		2000	- Feldspar-biotite porphyry,pheno's .5cm in fg grey matrix.
2921	4420	4500	735	13.1	148	33	2000		64		19875	- Mv, rusty vugs, sulphides <0.5%, py, jar, lim.
34601	4729	5064	1040	9.0	43	20	638	925	91	17	2050	- Mv, rusty vugs, <<1% sulphide, py, jar, lim.
34602	4726	5052	234	4.3	106	55	610	443	45	64	1660	- Mv, vein bx, rusty xal vugs, sulphides 0.5%, py, lim.
34603	4738	5014	275	7.3	127	12	1008	625	82	25	4500	- Mv, xal vugs, bladed xal casts, sulphides <1%, py,tet,jar.
34604	4727	5012	397	12.4	135	13	727	948	123	28	4250	- Mv, rusty vugs, cockscomb texture, no sulphides noted, lim
34605	4729	5002	136	1.6	100	14	142	153	29	26	1130	- Mv, rusty xal vugs, bladed xal casts, sulphides 0.5%, py.
34606	4748	4988	293	6.5	108	12	574	477	63	25	2000	- Mv, rusty xal vugs, sulphides 0.5%, py, jar, lim.
34607	4756	4975	100	1.3	105	19	96	148	25	19	1240	- Mv, rusty xal vugs, bladed xal casts, no sulphides ,lim.
34608	4747	4942	35	.9	55	8	21	37	25	9	330	- Sv, several phases, no sulphides, minor lim.
34609	4525	5029	1370	12.4	90	37	1061	103	25	21	3000	- Mv, bladed xal casts, sulphides 1%, py(1cm bleb), jar, tet
34610	4508	5077	595	12.4	59	17	743	147	27	101	2000	- Mv, xal vugs, sulphides 2%, py(0.5cm bleb), jar, tet, lim.

POINT DATA ASSAY REPORT

13-Oct-90

Smpl Nmbr	East	North	AU PPB	AG PPM	AS PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	HG PPB
47244	4560	4766	166	.5	296	35	32	154	206	42	
47244	4560	4766	166	.5	296	35	32	154	206	42	

APPENDIX II

GEOCHEMICAL RESULTS AND STATISTICS

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = DILPROAU.DAT

Variable = AU P Unit = PB N = 153
N CI = 22

Transform = Logarithmic Number of Populations = 3

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	6.552	-	2.953	30.00
		+	14.536	
2	75.519	-	38.145	20.00
		+	149.510	
3	763.065	-	236.463	50.00
		+	2462.403	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	1.331	32.246
2	19.267	295.998
3	73.277	7946.151

##

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = DILPROAG.DAT

Variable = AG P Unit = PM N = 153
N CI = 22

Transform = Logarithmic Number of Populations = 3

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	0.706	-	0.201	70.00
		+	2.480	
2	8.772	-	6.284	25.00
		+	12.245	
3	24.755	-	13.167	5.00
		+	46.538	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	0.057	8.720
2	4.502	17.092
3	7.004	87.491

##

##########

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = DILPROAS.DAT

Variable = AS P Unit = PM N = 153
N CI = 22

Transform = Logarithmic Number of Populations = 3

# of Missing Observations = 0.

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Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	18.325	-	7.454	40.00
		+	45.052	
2	89.955	-	71.062	30.00
		+	113.871	
3	415.110	-	171.256	30.00
		+	1006.187	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	3.032	110.763
2	56.136	144.147
3	70.653	2438.903

##########

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = DILPROBS.DAT

Variable = SB Unit = PPM N = 153
N CI = 22

Transform = Logarithmic Number of Populations = 5

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	2.031	-	1.457	15.00
		+	2.830	
2	5.750	-	3.298	10.00
		+	10.027	
3	35.507	-	22.554	45.00
		+	55.899	
4	232.724	-	82.527	26.00
		+	656.280	
5	11837.313	-	3886.030	4.00
		+	36057.880	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	1.046	3.944
2	1.891	17.483
3	14.326	88.003
4	29.265	1850.702
5	1275.731	109836.636

##

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = DILPROBH.DAT

Variable = HG PP Unit = B N = 67
N CI = 19

Transform = Logarithmic Number of Populations = 5

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean	Std Dev	Percentage
1	1389.560	− 870.031 + 2219.318	50.00
2	3158.452	− 2541.594 + 3925.025	20.00
3	7192.331	− 4876.588 + 10607.748	17.00
4	15581.018	− 11412.966 + 21271.254	11.00
5	47823.079	− 18705.723 + 122264.553	2.00

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	544.744	3544.555
2	2045.210	4877.649
3	3306.454	15645.043
4	8359.903	29039.583
5	7316.636	312581.734

##

##

PARAMETER SUMMARY STATISTICS FOR PROBABILITY PLOT ANALYSIS

Data File Name = DILPROBM.DAT

Variable = MO PPM Unit = N = 135
N CI = 22

Transform = Logarithmic Number of Populations = 2

# of Missing Observations = 0.

==========

Users Visual Parameter Estimates

Population	Mean		Std Dev	Percentage
1	2.234	-	1.096	31.00
		+	4.555	
2	167.951	-	36.205	69.00
		+	779.108	

==========

Default Thresholds.

Standard Deviation Multiplier = 2.0

Pop.	Thresholds	
1	0.538	9.284
2	7.805	3614.208

##

COMP: DURFELD GEOLOGICAL MANAG.LTD.
PROJ:
ATTN: R.DURFELD

MIN-EN LABS — ICP REPORT

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

FILE NO: OV-0794-RJ2
DATE: 90/07/06
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CO PPM	CU PPM	FE PPM	MN PPM	MO PPM	NI PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
34601	9.0	43	114	1	20	4120	30	638	2	925	91	17	1040	2050
34602	4.3	106	7	1	55	5990	48	610	5	443	45	64	234	1660
34603	7.3	127	12	1	12	4570	20	1008	5	625	82	25	275	4500
34604	12.4	135	5	1	13	4680	22	727	3	948	123	28	397	4250
34605	1.6	100	10	1	14	4280	18	142	2	153	29	26	136	1130
34606	6.5	108	8	1	12	3510	16	574	3	477	63	25	293	2000
34607	1.3	105	10	2	19	4380	66	96	4	148	25	19	100	1240
34608	.9	55	21	2	8	5790	333	21	7	37	25	9	35	330
34609	12.4	90	18	2	37	6170	85	1061	6	103	25	21	1370	3000
34610	12.4	59	3	1	17	5600	15	743	3	147	27	101	595	2000
34611	1.1	123	19	2	22	6040	41	148	4	84	1076	20	78	1290
34651	.2	718	83	17	67	39270	812	21	55	25	1021	71	145	3625
34652	2.4	281	33	4	60	11330	166	136	13	92	29467	81	465	7000
34653	.3	701	129	18	65	39150	1111	58	55	26	1825	78	278	4125
34654	2.7	356	46	2	39	7140	68	137	6	67	199	22	1400	2750
34655	10.1	65	7	1	8	3660	18	685	4	799	187	48	795	2375
34701	14.2	113	304	2	25	5740	42	1781	3	337	72	23	422	4875
34702	5.6	55	75	1	6	3520	23	334	4	171	27	62	220	2750
34703	.7	153	22	3	8	10510	340	30	5	42	42	7	119	2125
34704	1.9	150	18	2	67	8680	255	84	4	189	414	80	320	2500
34705	1.0	208	20	2	32	7510	156	57	3	79	120	16	78	1875
34706	4.4	80	12	1	20	4500	47	477	2	206	33	27	200	3500
34707	8.6	98	13	1	11	5120	31	702	5	558	190	79	1100	3875

MINERAL
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LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-0945-XG1

Company: DURFELD GEOLOGICAL
Project:
Attn: R.DURFELD

Date: AUG-15-90
Copy 1. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 26 PULP samples submitted JUL-18-90 by R.DURFELD.

Sample Number	MO PPM
34612	250
34613	1400
34614	3000
34615	1020
34616	476
34617	120
34618	105
34619	33
02903	400
02904	760
02905	360
02906	720
02907	440
02908	480
02909	820
02910	37
02912	320
02913	1220
02914	30
02915	14
02916	6
02917	300
02918	100
02919	255
02920	22
02921	2000

Certified by _____

MIN-EN LABORATORIES

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NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0945-RG1

Company: DURFELD GEOLOGICAL
Project:
Attn: R.DURFELD

Date: JUL-27-90
Copy 1. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 27 ROCK samples submitted JUL-18-90 by R.DURFELD.

Sample Number	AU-FIRE PPB	AG PPM	AS PPM	CU PPM	MO PPM	SB PPM	HG PPB
34612	158	1.6	32	13		22	1285
34613	528	11.2	30	27		91	3570
34614	232	4.1	77	27		52	3995
34615	118	2.0	67	23		17	2250
34616	59	2.4	12	276		1	715
34617	120	1.6	28	47		17	545
34618	23	1.9	583	647		260	1670
34619	42	0.8	110	15		40	1540
02903	16000	3.7	833	280		200	92875
02904	1750	3.2	168	96		70	7000
02905	1000	5.0	105	58		40	11000
02906	600	9.3	83	30		50	18125
02907	12000	5.4	85	42		58	24625
02908	2530	7.2	133	86		116	16750
02909	448	9.0	38	12		32	8500
02910	162	1.0	15	27		1	1000
02912	335	3.6	73	25		50	13750
02913	570	9.5	93	53		19	11750
02914	198	1.0	150	22		54	23875
02915	622	0.3	875	161		30	10625
02916	536	1.1	875	170		23	7625
02917	690	2.5	52	12		60	11250
02918	6600	2.9	152	52		560	4375
02919	492	7.0	417	130		60	11625
02920	2	1.8	13	8		2	2000
02921	735	13.1	148	33		64	19875
34572	9	0.8	30	286	2		

23

Certified by _____

MIN-EN LABORATORIES

MINERAL
• ENVIRONMENTAL
LABORATORIES [redacted].

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VANCOUVER OFFICE:
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NORTH VANCOUVER, B.C. CANADA V7M 1T2
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Assay Certificate

OV-0945-RA1

Company: DURFELD GEOLOGICAL
Project:
Attn: R.DURFELD

Date: JUL-27-90
Copy 1. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

He hereby certify the following Assay of 6 ROCK samples submitted JUL-18-90 by R.DURFELD.

Sample Number	AU g/tonne	AU oz/ton
02903	17.30	.505
02904	1.64	.048
02905	1.02	.030
02907	16.20	.473
02908	2.74	.080
02918	6.42	.187

Certified by _____

MIN-EN LABORATORIES

APPENDIX III

COST STATEMENT

Geochemical Analyses	$1,293.49
Technical Staff	
Geologist - R. M. Durfeld	
3 man days at $350	1,050.00
Geologist Assistant - A. Hamilton	
8 man days at $150	1,200.00
Sampler - C. G. Klyne	
1 man day at $130	130.00
Transportation	
Helicopter Charter	1,035.00
Report Preparation and Drafting	600.00
Total Cost of Program	**$5,308.49**

Field costs incurred during period June 26 to July 13, 1990.

R. M. Durfeld B.Sc.

(Geologist)

APPENDIX IV

STATEMENT OF QUALIFICATIONS

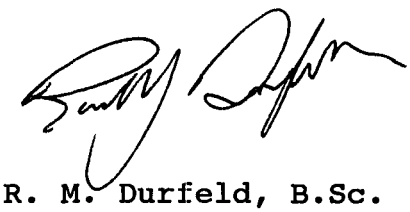
I Rudolf M. Durfeld, do hereby certify:

1.) That I am a geologist with offices at 180 Yorston Street, Williams Lake, B.C.

2.) That I am a graduate of the University of British Columbia, B. Sc. Geology 1972, and have practice my profession with various mining and/ or exploration companies and as an independent geologist consultant since graduation.

3.) That I am a Fellow of the Geological Association of Canada (Member No: F3025), and am a member of The British Columbia and Yukon Chamber of Mines and the Canadian Institute of Mining and Metallurgy.

4.) That this report is based on geochemical rock sampling and grid preparation geological mapping conducted under my supervision on the DIL property during the period June 26th to July 13th, 1990.



R. M. Durfeld, B.Sc.

(Geologist)

NORTHERN BOUNDARY DIL CLAIMS

SPUR

EAST

WEST

STIBNITE

19320

12000

16000

15997

LEGEND

MIOCENE

M_C - Chilcotin Group - vesicular and columnar jointed Olivine Basalt

EOCENE

E_P - Feldspar and/or Biotite Granodiorite Porphyry

LOWER CRETACEOUS

K_T - Taylor Creek - siltstone to argillite

SYMBOLS

\+ - Location of float grab sample collected for analysis

⊕ - approximate location of grab sample collected by G. Peatfield in 1988.

16000 - showing higher values in ppb gold

outline of areas showing abundant quartz vein float

bedding - inclined, vertical

joint - inclined, vertical

vein - inclined, vertical

fault - trend, indicating downthrown side

ABBREVIATIONS

arg	- argillite
asp	- arsenopyrite
b	- banded
bio	- biotite
bx	- breccia
cal	- calcite
ch	- chalcedonic
f	- feldspar
gos	- gossanous
hfs	- hornfelsed
py	- pyrite
q	- quartz
ss	- siltstone
st	- stibnite
su	- sugary
v	- vein

DIL PROPERTY

Clinton Mining Division

GEOLOGY PLAN

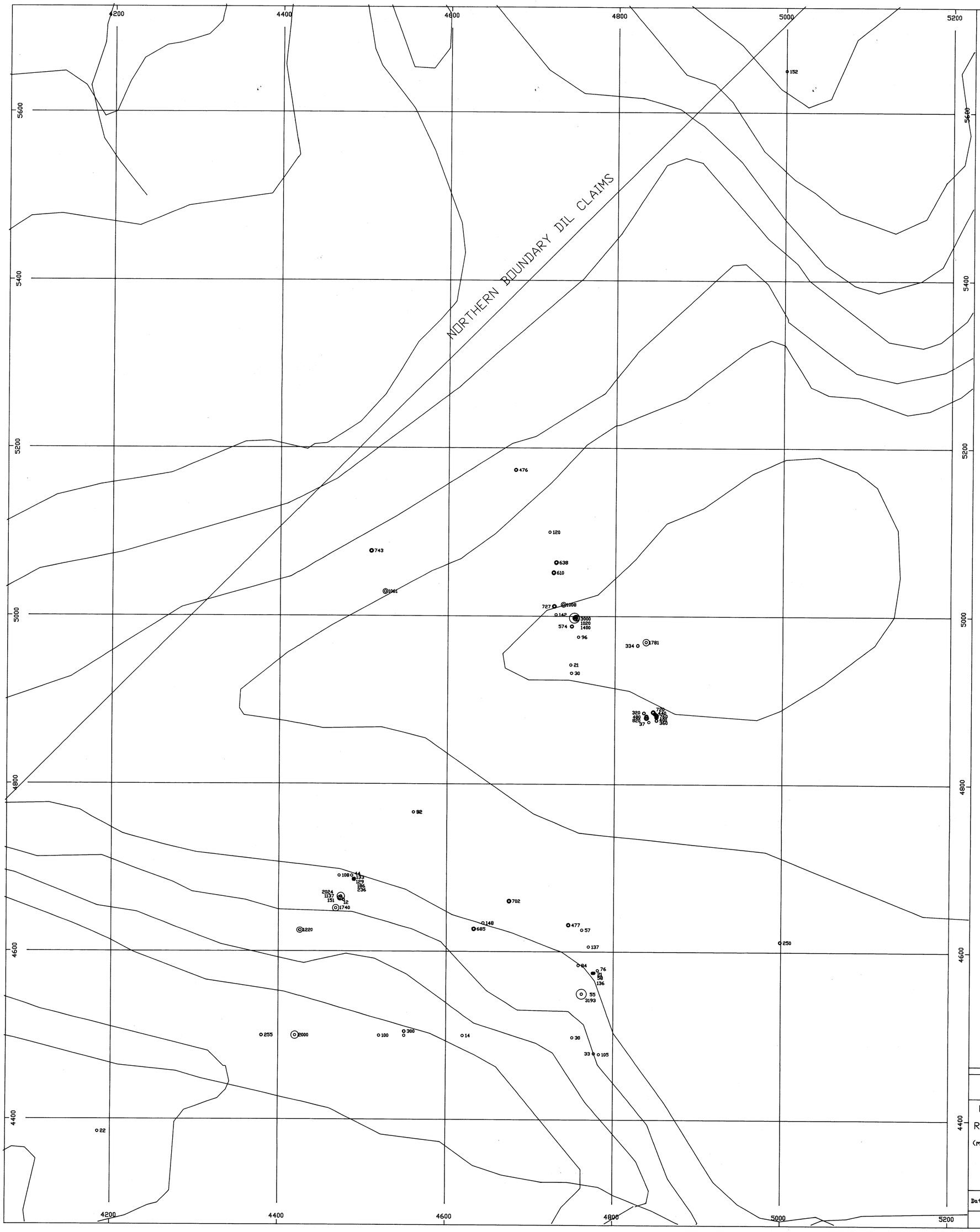
(rock sample sites shown with a cross)

Scale 1: 2000.0

0 40 80 120 160 200 M

Date: OCTOBER 1990 | NTS 92O/3&6 | Figure: 3

DURFELD GEOLOGICAL MANAGEMENT LTD



LEGEND

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,462

DIL PROPERTY

Clinton Mining Division

ROCK GEOCHEMICAL PLAN MOLYBDENUM

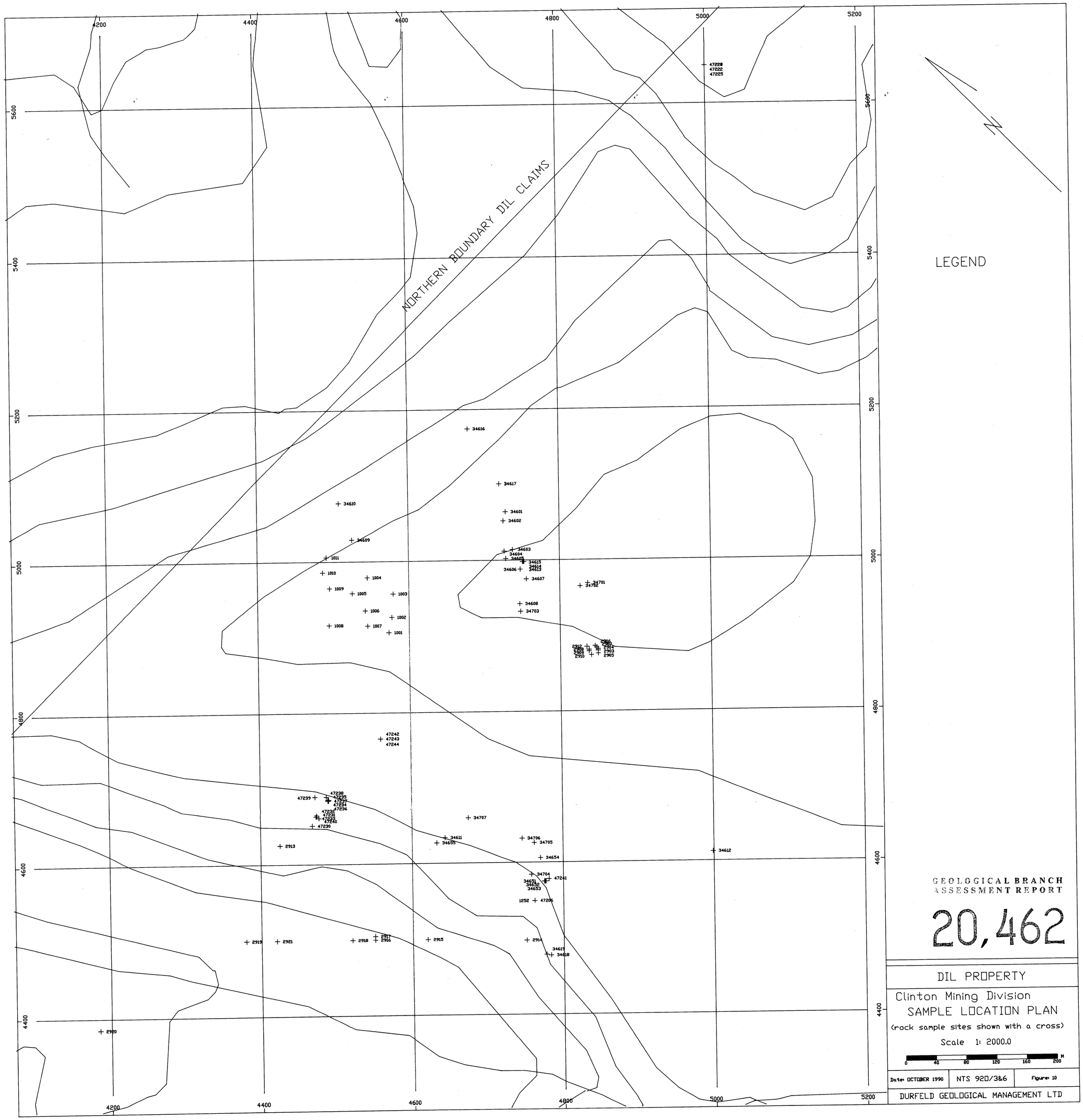
(molybdenum values below 10ppm not shown)

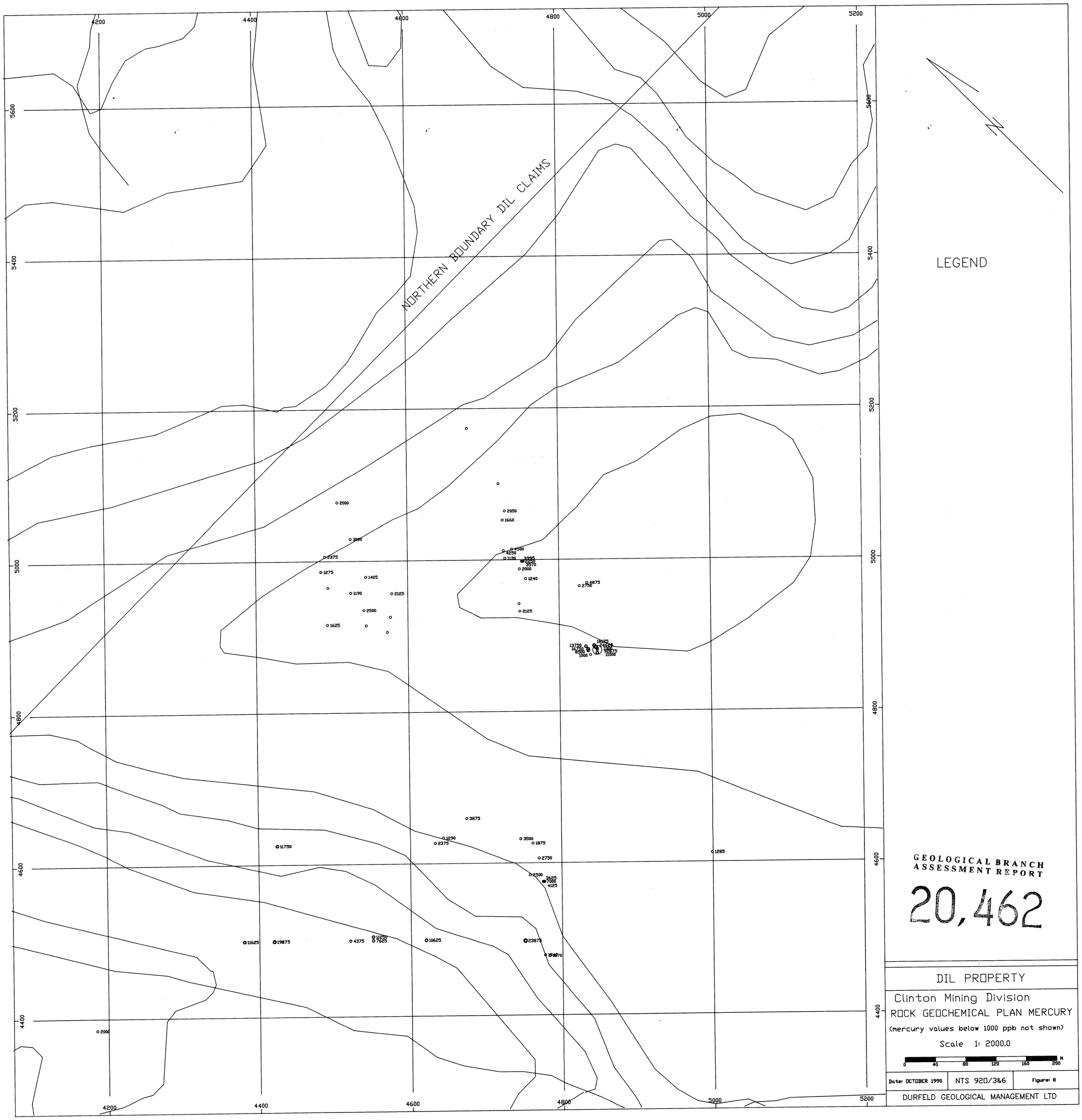
Scale 1: 2000.0

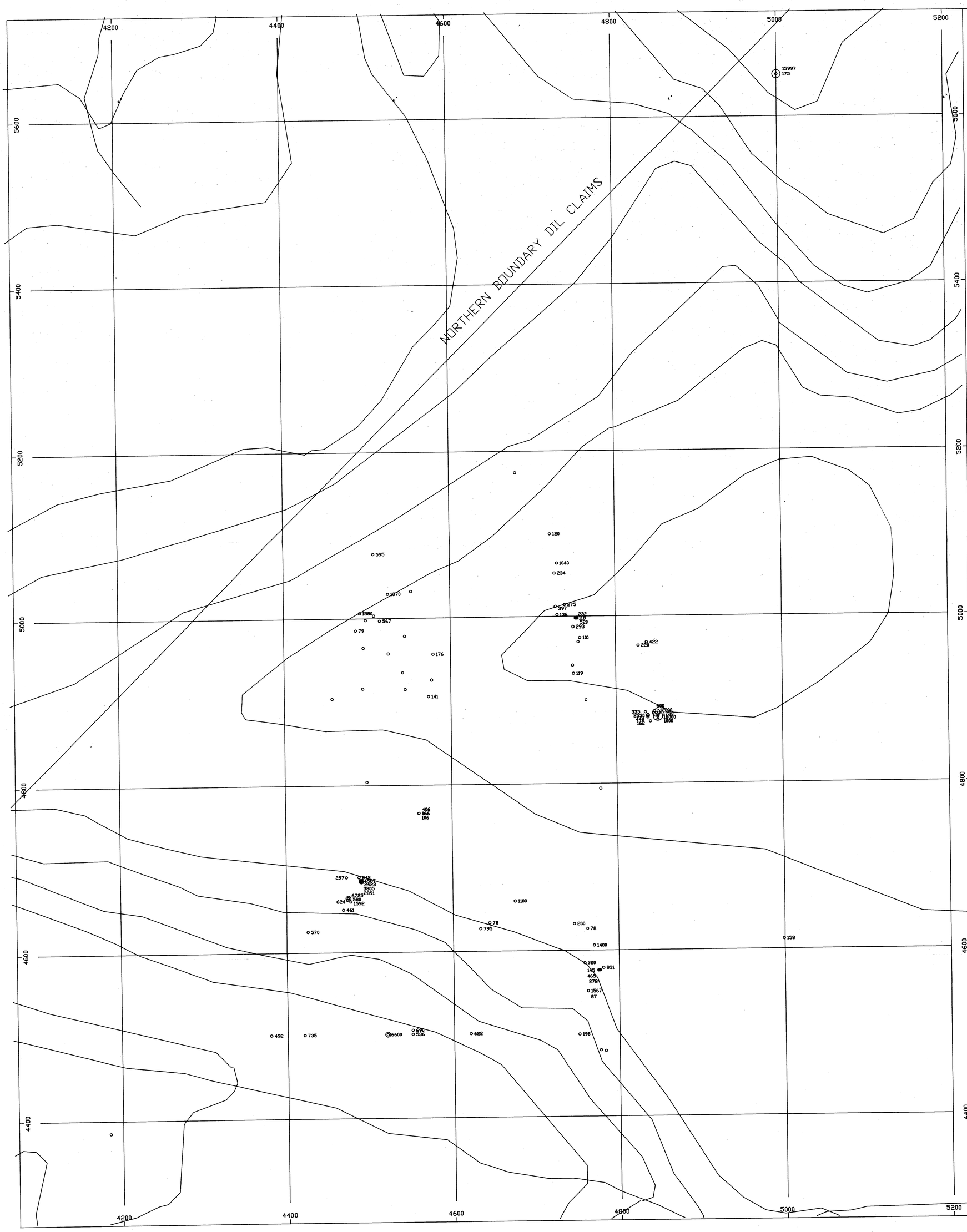
0 40 80 120 160 200 M

Date: OCTOBER 1990	NTS 92O/3&6	Figure: 9

DURFELD GEOLOGICAL MANAGEMENT LTD


4200
4400
4600
4800
5000
5200
5600
5400
5200
5000
4800
4600
4400
NORTHERN BOUNDARY DIL CLAIMS
47228
47222
47225
34616
34617
34610
34601
34602
34609
34603
34604
34605
34615
34614
34613
34606
34607
34701
34702
1011
1010
1004
1009
1005
1003
1006
1002
1008
1007
1001
34608
34703
2912
2909
2908
2910
2906
2907
2904
2903
2905
47242
47243
47244
47239
47238
47235
47237
47234
47236
47233
47232
47240
47230
34707
34611
34655
34706
34705
34654
2913
34612
34704
47241
34652
34651
34653
1252
47206
2919
2921
2918
2917
2916
2915
2914
34615
34618
2920
N
LEGEND
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,462
DIL PROPERTY
Clinton Mining Division
SAMPLE LOCATION PLAN
(rock sample sites shown with a cross)
Scale 1: 2000.0
0
40
80
120
160
200
M
Date: OCTOBER 1990
NTS 92O/3&6
Figure: 10
DURFELD GEOLOGICAL MANAGEMENT LTD


4200
4400
4600
4800
5000
5200
5600
5400
5200
5000
4800
4600
4400
NORTHERN BOUNDARY DIL CLAIMS
2000
2050
1660
3000
4500
4250
2375
1130
3395
3570
1275
1405
2000
1240
4875
2750
1190
2125
2500
2125
1625
3875
1290
2375
3500
1875
2750
1285
11750
2500
3625
7600
4125
11625
19875
4375
11250
7625
10625
23875
2000
LEGEND
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,462
DIL PROPERTY
Clinton Mining Division
ROCK GEOCHEMICAL PLAN MERCURY
(mercury values below 1000 ppb not shown)
Scale 1: 2000.0
0
40
80
120
160
200
M
Date: OCTOBER 1990
NTS 920/3&6
Figure: 8
DURFELD GEOLOGICAL MANAGEMENT LTD



LEGEND

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,462

DIL PROPERTY

Clinton Mining Division

ROCK GEOCHEMICAL PLAN GOLD

(gold values below 70 ppb not shown)

Scale 1: 2000.0

0 40 80 120 160 200 M

Date: OCTOBER 1990	NTS 92O/3&6	Figure: 4

DURFELD GEOLOGICAL MANAGEMENT LTD

NORTHERN BOUNDARY DIL CLAIMS

LEGEND

N

DIL PROPERTY

Clinton Mining Division

ROCK GEOCHEMICAL PLAN SILVER

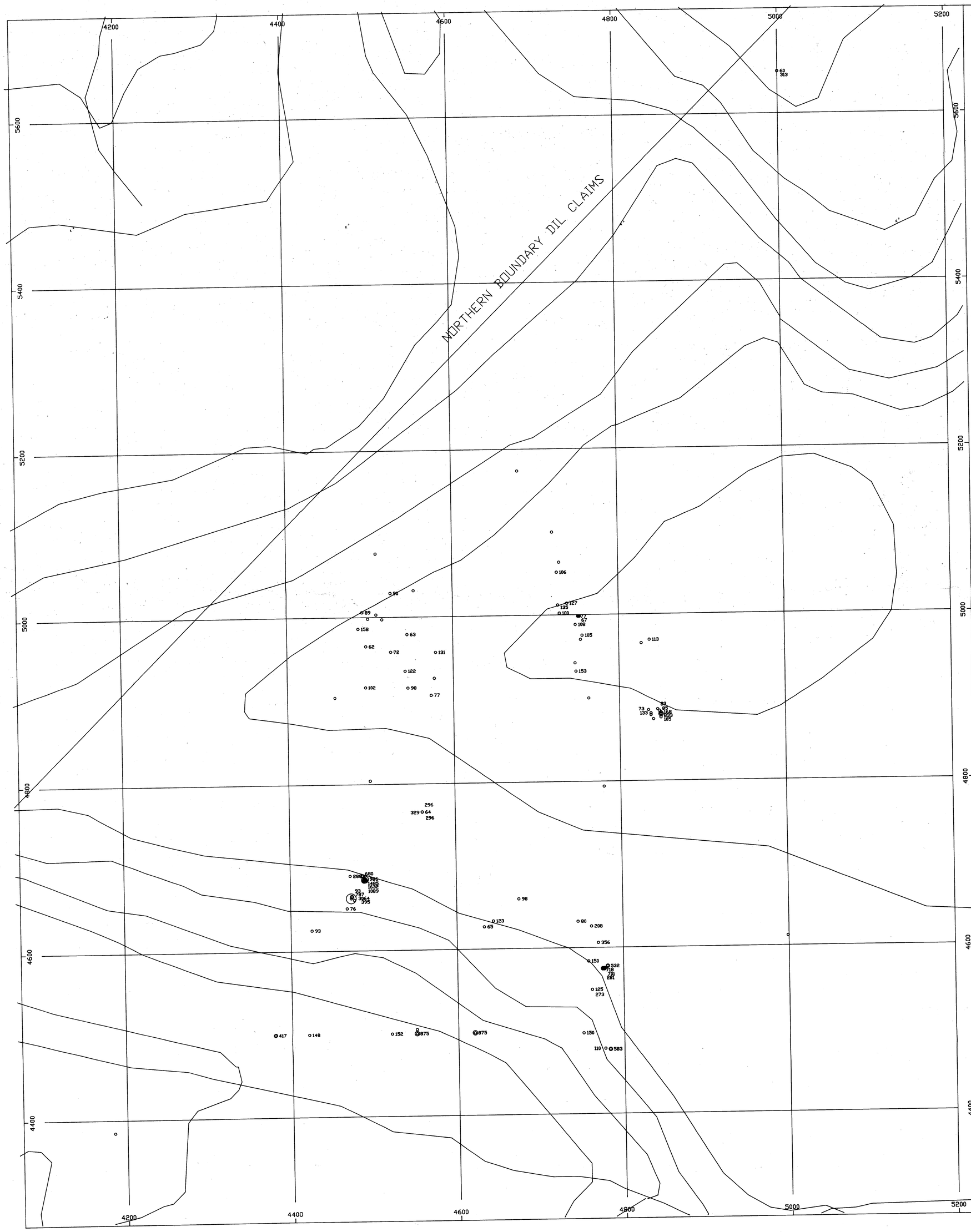
(Silver values below 5.0 ppm not shown)

Scale 1: 2000.0

0 40 80 120 160 200 M

Date: OCTOBER 1990	NTS 92O/3&6	Figure: 5

DURFELD GEOLOGICAL MANAGEMENT LTD



LEGEND

N

DIL PROPERTY

Clinton Mining Division

ROCK GEOCHEMICAL PLAN ARSENIC

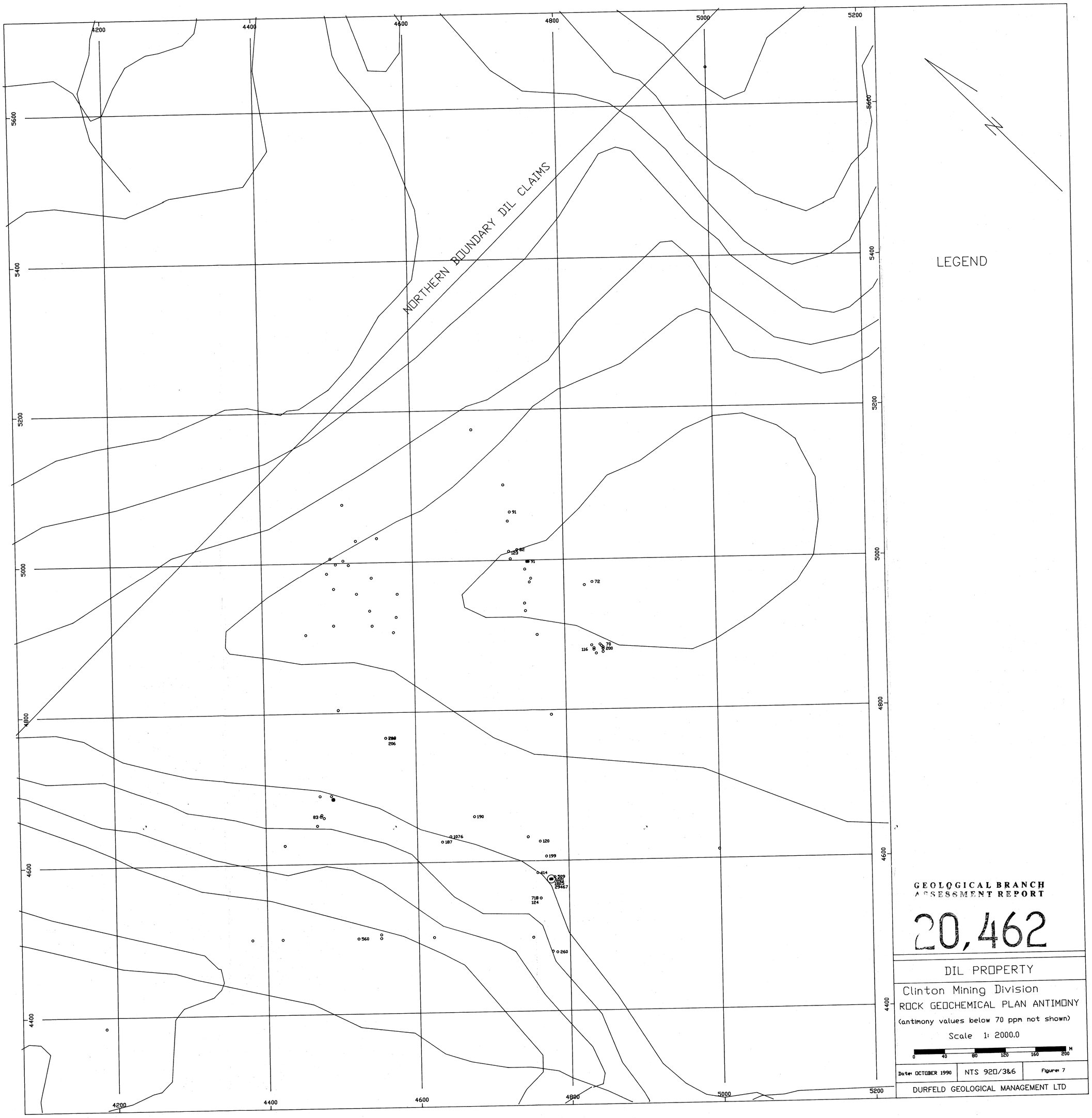
(arsenic values below 60 ppm not shown)

Scale 1: 2000.0

0 40 80 120 160 200 M

Date: OCTOBER 1990	NTS 92O/3&6	Figure: 6

DURFELD GEOLOGICAL MANAGEMENT LTD


4200
4400
4600
4800
5000
5200
5600
5400
5200
5000
4800
4600
4400
NORTHERN BOUNDARY DIL CLAIMS
91
123
82
91
72
116
8
70
200
206
83
190
1076
187
120
199
414
509
182
1825
29467
718
124
560
260
N
LEGEND
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,462
DIL PROPERTY
Clinton Mining Division
ROCK GEOCHEMICAL PLAN ANTIMONY
(antimony values below 70 ppm not shown)
Scale 1: 2000.0
0
40
80
120
160
200
M
Date: OCTOBER 1990
NTS 920/3&6
Figure: 7
DURFELD GEOLOGICAL MANAGEMENT LTD