010

DIAMOND DRILLING

TOWNSHIP: DUFF

REPORT NO: #27

WORK PERFORMED FOR: Central Crude Ltd.

RECORDED HOLDER: Same as Above (xx)
: Other ( )

Claim No.	Hole No.	Footage	Date	Note
632916	CCD-89-1	827'	Mar/89	(1)
	CCD-89-2	735'	Mar/89	(1)
995008	CCD-89-3	853'	Mar/Apr/89	(1)
988321	CCD-89-4	656'	Apr/89	(1)

NOTES: (1) W8906-408, date filed Sept/89

Diamond Drill Logs
Duff Township
Central Crude Limited

June 26, 1989

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property Duff Township

Hole No. CCD-89-1

Latitude ..... Bearing 225° Page 1 of 7

Departure 100m: -51°, 175m: -45°, 250m: -39° Dip -50°

Location L2+00N, 27+40W Length 252m (827') Core Size BQ

Elevation ..... Started March 17/89 Completed March 20/89

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~FT~~ (m)		Au (ppb)	Cu ppm	Pb ppm	Zn ppm
0.0	66.0	Overburden							
66.00	88.91	Intermediate Volcanic → fine to medium grained, pale olive green to gray, moderately foliated / compositionally banded → overall weakly carbonitized, weakly silicified → overall up to 10-15% sericite, 5% black/green, parallel to foliation chlorite stringers → locally kink banded and folded → several gray qtz stringers parallel to foliation and at random orientations	15001	73.06	74.06	5	31	14	66
		→ Quartz veining → 76.64 to 77.44 → numerous qtz-carb. veinlets up to 10cm wide, trace py in wall rock	15002	76.44	77.44	5			
		→ 80.08 to 80.89 → numerous qtz-carb. veinlets, trace py in wall rock	15003	80.08	81.08	<5			
		→ 68.31 to 70.12 → very broken up, black graphitic mud	15145	72.06	73.06	10	26	<1	39
		Foliation: at 87.41m → 63° tca at 71.21m → 56° tca	15146	74.06	75.06	5	26	<1	46
		Mineralization: → overall trace to 1% locally, very f.gr. diss py → 73.42 to 74.06 → 1-2% f.gr. py in sericitic, qtz-carbonate flooded zone with 5mm wide bands of 10-15% py							

% CORE RECOVERY
98.12%

Drilled by Bradley Brothers Limited Logged by M. Michaud

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCD-89-1

Latitude..... Bearing..... Page 2 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~ft~~ m		Au	Cu	Pb	Zn
		→ trace fuchsite							
		→ indeterminate lower contact							
		Lost Core							
		→ between 71.0 to 74.0m → .60m lost							
		74.0 to 77.0m → 1.1m							
		80.0 to 83.0m → 2.1m							
		83.0 to 86.0m → 1.2m							
88.91	100.94	Sericite Schist							
		→ fine to medium grained, uniform pale green/yellowish brown, strong foliation							
		→ 30-50% Sericite, 5-10% chlorite, 5% ankerite	15063	88.91	91.41	<5	35	<1	105
		→ numerous, parallel to foliation, gray qtz stringers up to 5mm wide	15064	91.41	93.90	<5	26	2	115
			15004	93.90	94.70	5			
			15065	94.70	95.53	<5	29	2	86
		→ several, bull white qtz-carbonate veins, up to 10 cm wide, randomly orientated	15005	95.53	97.03	5	31	4	175
			15066	97.03	99.54	<5	19	<1	175
			15006	99.54	100.94	5	29	2	155
		→ 94.18 to 94.66 → qtz-carb. vein no visible sulphides, trace chlorite and sericite inclusions							
		Foliation → at 98.10m → 67° tca							
		Mineralization							
		→ overall trace to 1% f. gr. diss. py							
		→ trace fuchsite							
		→ lower contact parallel to foliation at 67° tca							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCO-89-1

Latitude..... Bearing..... Page 3 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~FT~~ m		Au	Cu	Pb	Zn
100.94	111.28	Sericitic Intermediate Tuff							
		→ fine to medium grained, gray/green, moderately foliated							
		→ overall weak carbonitization							
		→ locally sericitic (up to 15%),	15007	102.75	103.75	5	52	1	145
		locally chloritic (up to 15%)	15008	105.26	107.76	20	33	4	210
		→ locally kink banded	15147	105.26	105.76	5			
		→ several, parallel to foliation,	15148	105.76	106.26	5			
		gray quartz stringers	15149	106.26	106.76	15			
		→ 105.26 to 105.90, 106.39 to	15150	106.76	107.26	5			
		107.53 m → numerous, qtz-carb.,	15151	107.26	107.76	5			
		randomly orientated, veinlets up to 5cm wide with chloritic contacts, trace to 1% py in chloritic-sericitic wall rock							
		Foliation → at 105.54m → 61° tca							
		Mineralization							
		→ trace to 1%, f. gr. diss. py locally							
		→ Lower contact at 61° tca							
111.28	129.66	Sericite Schist							
		→ pale green/yellowish brown, f. to m. grained, intensely foliated/ compositionaly banded, up to 50% sericite with numerous, parallel to foliation, gray qtz stringers							
		→ locally kink banded							
		→ locally up to 10% chlorite							
		→ locally qtz-carbonate veinlet flooded							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CC0-89-1

Latitude..... Bearing..... Page 4 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~FT~~ m		Au	Cu	Pb	Zn
		→ 117.08 to 117.17 → white qtz-carb. vein	15158	110.28	111.28	< 5	16	< 1	50
		→ 119.73 to 120.44 → numerous qtz-carb. veinlets up to 2cm wide in sericite-chlorite schist	15067	111.28	113.28	< 5	62	2	300
			15068	113.28	115.28	< 5	27	< 1	215
			15069	115.28	117.00	< 5	47	< 1	99
		→ 126.08 to 129.66 → numerous qtz-carb. veinlets, up to 5cm wide in sericite-chlorite schist	15009	117.00	119.00	< 5			
			15070	119.00	119.73	< 5	44	< 1	98
			15010	119.73	120.73	10			
		Foliation	15071	120.73	123.23	< 5	35	< 1	110
		at 116.13 m → 68° tca	15072	123.23	125.66	< 5	31	< 1	88
		at 125.94 m → 61° tca	15011	125.66	127.66	5	34	2	130
		Mineralization	15012	127.66	129.66	5	21	6	340
		→ overall trace to 1% f. gr. diss. py							
		→ several, parallel to foliation, up to 5mm wide bands of 10-15% f. gr. py							
		→ trace fuchsite							
		→ indeterminate lower contact							
129.66	141.26	Felsic Tuff							
		→ fine to medium grained, pale olive green/beige, weakly foliated, very uniform unit with 10-15%, < 2mm wide sub to euhedral quartz grains	15013	129.66	131.66	35	19	3	96
			15014	131.66	133.66	5	21	3	89
			15015	133.66	135.66	5	18	4	125
			15016	135.66	137.66	< 5	17	6	160
		→ few, randomly orientated, up to 2cm wide qtz-carbonate veinlets with chloritic contacts	15017	137.66	139.66	< 5	17	5	83
			15018	139.66	141.21	< 5	25	1	105
		→ few chloritic, sericitic stringers							
		→ overall weakly silicified							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCD-89-1

Latitude..... Bearing..... Page 5 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ft. m		Au	Cu	Pb	Zn
		Foliation: at 140.52m → 67° tca	15152	129.66	130.16	10			
		Mineralization → overall, uniform, 1-2% f. to m. gr. diss. py → trace fuchsite	15153	130.16	130.66	5			
			15154	130.66	131.16	5			
			15155	131.16	131.66	5			
		→ Sharp lower contact at 66° tca							
141.21	152.04	Sericitic Intermediate Tuff → fine to medium grained, yellowish brown/pale olive green, moderate to strong foliation with locally up to 20% sericite → few, randomly orientated, chlorite stringers, and < 1cm wide qtz-carbonate veinlets	15019	146.0	148.0	< 5			
		Foliation at 150.51m → 64° tca							
		Mineralization → trace amounts of fine gr. diss. py							
		→ gradational lower contact							
152.04	180.32	Sericitic Intermediate Lapilli Tuff → fine to medium grained gray unit with 25% of rock made up of 2cm wide beige, elongate clasts, up to 10:1 elongate ratio, parallel to foliation							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCD-89-1

Latitude..... Bearing..... Page 6 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~FT~~ m		Au	Cu	Pb	Zn
		→ minor amount of chloritic clasts → unit overall is moderately to strongly foliated, locally silicified, locally sericitic, locally kink banded / folded → several, up to 2cm wide qtz-carbonate veinlets, parallel to and at random orientations to foliation	15020	158.84 - 160.84		5	38	2	180
		→ Bull white qtz-carbonate vein → 165.12 to 165.28 m	15021	164.76 - 167.76		5	32	3	175
		Foliation: at 157.78 m → 65° tca at 167.62 m → 67° tca							
		Mineralization → overall trace to 1%, very locally, f. gr. diss. py → trace fuchsite							
		→ gradational lower contact							
180.32	207.29	Intermediate Tuff / Lapilli Tuff → fine to medium grained / gray tuff with interbedded lapilli tuffs with monolithic beige clasts up to 1cm wide → locally sericitic, chloritic up to 10% of rock → few, randomly orientated, up to 1cm wide qtz-carb. veinlets							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCV-89-1

Latitude..... Bearing..... Page 7 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH FT.		Au	Cu	Pb	Zn
		→ up to 5% of rock composed of, < 2 mm wide subhedral gtz grains	15022	192.26	194.26	5	16	5	155
		Foliation:	15023	205.79	207.29	5			
		at 190.61m → 71° tca							
		at 208.43m → 68° tca							
		Mineralization							
		→ trace amounts to 1% locally f. gr. diss. py							
		→ gradational lower contact							
207.29	233.40	Sericitic Intermediate Tuff / Lapilli Tuff							
		→ As described above							
		→ several gray gtz stringers, parallel to foliation with 10 - 20% f. gr. py	15024	229.33	231.33	5	34	1	155
		Foliation:							
		at 221.82m → 64° tca							
		at 244.36m → 71° tca							
		Mineralization							
		→ overall trace to 1% locally, f. gr. py							
		→ gradational lower contact							
233.40	252.0	Intermediate Lapilli Tuff							
		→ As described Above	15025	141.11	143.11	< 5	31	< 1	33
		→ 141.37 to 142.89 → numerous gray gtz stringers, trace py							
		EOH: 252 meters							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property: Duff Township

Hole No. CCD-89-2

Latitude: | Bearing: 225° | Page: 1 of 8

Departure: 100m: -50°, 175m: -47°, 221m: -44° | Dip: -50°

Location: L4+00N, 27+20W | Length: 224m (735') | Core Size: BQ

Elevation: | Started: March 21/89 | Completed: March 23/89

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~ft.~~ m		Au	Cu	Pb	Zn
0.0	55.0m	Overburden							
55.00	65.96	Mudstone (Argillite) → uniform, fine grained, gray, massive unit, overall moderately silicified, weakly carbonitized → 1-2%, < 2mm wide angular feldspathic fragments → few, randomly orientated, up to 3mm wide qtz-carb. stringers often containing 10-20% f. to m. gr. cubic py → towards bottom of unit, fracturing increases which is infilled with chlorite and associated pyrite, minor hematite staining	15026	55.00 - 56.00		< 5	27	2	81
			15027	56.00 - 58.00		< 5	26	2	63
			15028	62.00 - 64.00		< 5	21	< 1	47
		Mineralization → overall nil to trace amounts of f. gr. py → chlorite stringers contain 2-5% f. to m. gr. cubic py → 55.00 to 55.86 m → numerous pyrite bands and pods of f. to m. gr. cubic py up to 3-5% of rock → gradational lower contact							

% CORE RECOVERY

98.21 %

Drilled by: Bradley Brothers Limited | Logged by: M. Michaud

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCD-89-2

Latitude..... Bearing..... Page 2 of 8

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH Ft. m		Au	Cu	Pb	Zn
65.96	76.29	**Conglomerate / Breccia** → Massive unit with numerous f. gr. gray mudstone angular fragments up to 5 cm wide in a c. gr. gray, locally chloritic matrix of mudstone fragments and feldspathic rounded fragments up to 5mm wide → 50% of rock is composed of fragments > 5mm wide clasts → matrix contains several, randomly orientated qtz.-carb. stringers and chlorite stringers **Mineralization** → nil to trace amounts of f. gr. diss. py with several massive pods up to 1cm wide → ground lower contact	150 29	70.00	72.00	< 5	16	1	50
76.29	89.38	**Chert** → Massive, aphanitic gray/black locally rusty/maroon coloured → locally graphitic up to 2-5% → 79.21 to 79.32m → 30-40% graphite → local zones of numerous, qtz-carbonate veinlets, up to 1cm wide with chlorite contacts and angular, black chloritic clasts → several, chlorite infilled fractures at random orientations							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCD-89-2

Page 3 of 8

Latitude..... Bearing.....

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~Ft.~~ m		Au	Cu	Pb	Zn
		→ local, several hematite stringers							
		Quartz veining	15030	76.29	77.79	<5	12	<1	78
		→ 78.35 to 78.61, 89.19 to 89.38, white qtz-carb., chloritic contacts	15031	77.79	79.29	15	41	5	195
		with trace f. gr. diss. py, veins	15032	79.29	80.79	<5	39	4	320
		have irregular contacts	15033	80.79	82.79	<5	18	<1	145
		→ Mineralization	15034	82.79	84.79	<5	13	<1	165
		→ overall 1-2% f. gr. diss py	15035	84.79	86.29	<5	10	<1	165
		and up to 5 mm wide	15036	86.29	87.38	<5	11	4	99
		f. to c. gr. cubic py bands	15037	87.38	88.38	15	110	46	240
		and pods, randomly orientated	15038	88.38	89.38	5	230	6	230
		→ 87.41 to 88.23 → overall							
		5-10% f. to m. gr. diss py							
		and stringers with 50-70%							
		py band up to 11cm wide							
		→ broken lower contact							
		→ Lost Core → .40m between 86-89m							
89.38	103.81	Quartz-Sericite-Ankerite Schist							
		→ fine to medium grained,							
		pale olive green/yellowish brown,							
		intensely foliated/compositionaly							
		banded, locally kink banded							
		→ 30-50% sericite, 10% ankerite,							
		minor chlorite							
		→ numerous, parallel to foliation,							
		gray qtz stringers up to 5mm wide							
		→ several, white, randomly orientated,							
		qtz-carb veins up to 15 cm							
		wide with chlorite and							
		sericite inclusions,							
		→ 89.38 to 90.12 → Sheared conglo-							
		merate as above, clasts 6:1 ratio							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCD-89-2

Latitude..... Bearing..... Page 4 of 8

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~Ft~~ m		Au	Cu	Pb	Zn
		Foliation:							
		at 92.41m → 68° tca	15039	89.38	92.38	< 5			
		at 103.62m → 68° tca	15040	92.38	95.38	< 5			
		Mineralization	15041	95.38	97.38	< 5	27	2	97
		→ trace amounts of f.gr. diss. py	15042	97.38	99.38	< 5			
		→ nil to trace amounts of fuchsite, locally	15043	99.38	101.38	< 5			
		→ gradational lower contact	15044	101.38	103.81	< 5			
		Lost Core:							
		between 89-92 → 1.78m lost							
		92-95 → 1.25m							
		95-98.0 → .43m							
103.81	140.76	Sericitic Intermediate Tuff							
		→ fine to medium grained, uniform gray/pale green, mod. foliated/compositionaly banded, locally kink banded							
		→ up to 10-15% sericite, 5% ankerite, minor chlorite locally							
		→ few qtz-carbonate and chlorite stringers							
		→ Quartz veining → 114.21 to 114.33, 131.80 to 132.06, 132.35 to 132.48m → contain minor sericite, chlorite inclusions with nil to trace amounts of f.gr. py							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCO-89-2

Latitude..... Bearing..... Page 5 of 8

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~ft.~~ m		Au	Cu	Pb	Zn
		→113.67 to 115.59 → 1-2% f. gr. diss. py in sericitic, schistose zone with numerous, parallel to foliation gray qtz stringers	15045	113.67	115.67	< 5	67	11	105
			15046	118.36	120.36	< 5			
		Foliation: at 117.22m → 71° tca at 139.43m → 63° tca	15047	130.59	132.59	< 5			
			15048	134.06	136.06	< 5			
		Mineralization →nil to trace f. gr. diss. py →nil to trace fuchsite →gradational lower contact							
140.76	157.59	Intermediate Tuff →fine to medium grained, gray, locally olive green, moderately foliated/compositionaly banded, locally kink banded, locally sericitic (5-10%)	15049	147.78	149.78	< 5	25	<	135
			15050	151.73	153.23	< 5			
		→several, randomly orientated, qtz-carb veins up to 6cm wide with minor sericite/chlorite inclusions, no visible sulphides							
		Foliation: at 149.12 m → 68° tca							
		Mineralization →nil to trace amounts of f. gr. diss. py →trace fuchsite							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCD-89-2

Latitude..... Bearing..... Page 6 of 8

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH FT.		Au	Cu	Pb	Zn
157.59	185.88	Intermediate Lapilli Tuff/ Tuff							
		→ 10-15% of rock composed of monolithic beige clasts up to 1cm wide (elongate parallel to foliation 5:1) in a f. to m. gr. gray/ locally olive green, moderately foliated/kink banded, carbonitized,							
		→ Sericitic (up to 20%.)							
		→ 159.08 to 161.17							
		→ 165.87 to 172.76	15051	160.39	161.39	<5			
		→ locally chloritic, up to 10-15%	15052	166.09	168.09	<5	30	4	130
		→ reveral, qtz-carbonate veinlets up to 12cm wide	15053	172.50	174.00	<5			
		Quartz Veining							
		→ 160.39 to 161.37, 166.06 to 166.29m	15054	178.81	180.81	<5	30	9	190
			15055	180.81	182.81	<5	31	3	110
		Foliation:							
		at 168.54m → 61° tca							
		at 182.22m → 69° tca							
		Mineralization							
		→ overall trace to 1% f. gr. py							
		→ trace fuchsite							
		→ 178.81 to 182.48 → 1-2% f. gr. diss. py							
		→ gradational lower contact							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCO-89-2

Latitude..... Bearing..... Page 7 of 8

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH FT.		Au	Cu	Pb	Zn
185.88	209.51	Felsic Tuff → fine to medium grained, uniform, light gray, brown, weakly foliated unit with 5-10% composed of < 2mm wide subhedral gray qtz grains → few, sericitic, chloritic stringers Quartz Veining → 192.67 to 192.79, 193.56 to 193.89 m → bull white with chloritic contacts, trace py, chl, sericite Foliation: at 192.87m → 66° tca Mineralization → trace to 1% f.gr. diss. py, few, up to 5mm wide pyritic bands → 201.45 to 208.17 → 1-2% f.gr. py locally → sharp lower contact at 66° tca	15156	191.67-192.67		5	17	5	120
			15056	192.67-194.17		<5	14	15	105
			15157	194.17-195.17		5	16	7	165
			15057	201.45-203.45		<5	14	12	59
			15058	203.45-205.45		<5	14	66	130
			15059	205.45-208.17		<5	12	9	76
209.51	224.00	Intermediate Tuff/ Lapilli Tuff → As described Above → locally sericitic Foliation: at 216.61m → 67° tca							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCD-89-2

Latitude..... Bearing..... Page 8 of 8

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH FT.		Au	Cu	Pb	Zn
		Mineralization							
		→ overall nil to 1% f. gr. diss. py	15060	213.00	215.00	< 5	32	5	110
		→ trace fuchsite	15061	215.00	217.00	< 5	50	6	120
		→ 213.34 to 216.73 → 1-2% f. gr. diss. py in sericitic zone with numerous, parallel to foliation gray qtz stringers	15062	222.12	223.62	< 5			
		EOH: 224.00 meters							

% CORE RECOVERY

Drilled by..... Logged by.....

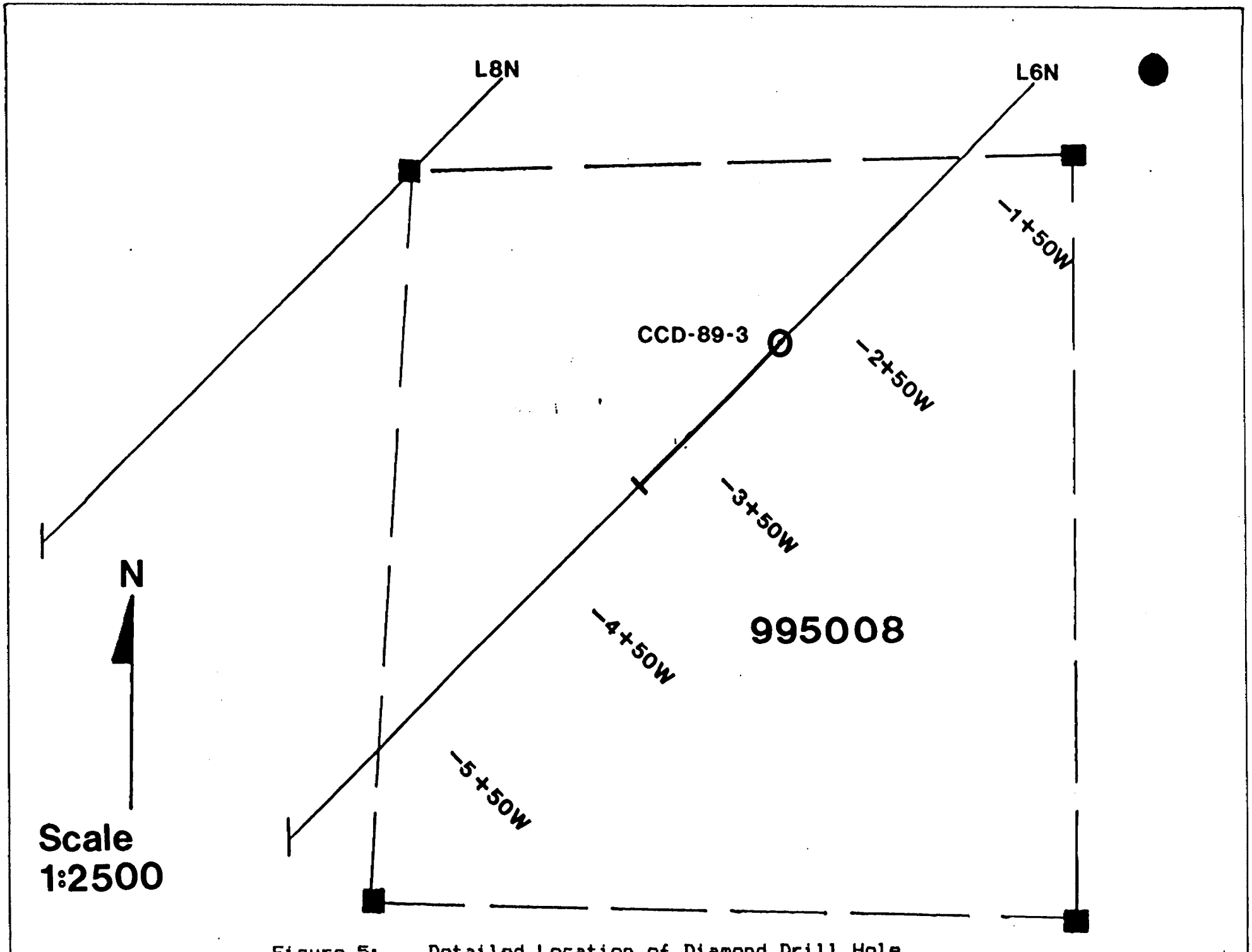

Figure 5: Detailed Location of Diamond Drill Hole CCD-89-3

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property: Duff Township

Hole No. CCD-89-3

Latitude: | Bearing 225° | Page 1 of 9

Departure 100m: -51°, 175m: -53°, 250m: -47° | Dip -50°

Location L6+00N, 2+75W | Length 260m (853') | Core Size BQ

Elevation: | Started March 28/89 | Completed April 1/89

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~ft~~ m		Au ppb	Cu ppm	Pb ppm	Zn ppm
0.0	61.00	Overburden							
61.00	71.34	Carbonitized Intermediate Volcanic → highly broken up core with significant core lost → fine to medium grained, brown to gray, moderately foliated, locally intensely iron-carbonitized with numerous, randomly orientated, qtz-carb veinlets up to 2cm wide, locally up to 16cm wide (65.64 to 65.71, 70.65 to 70.81m) Foliation: at 63.12m → 67° tca Mineralization → 61.0 to 62.05 → trace amounts of fuchsite → overall trace to 1% locally, f. to c. gr. cubic py → 62.41 to 62.92 → 2-5% f. to m. gr. diss. py, massive pods and stringers in an intensely iron-carb. zone → gradational lower contact Lost Core: between 61-62m → .42m lost 62-65 → 2.04m 65-68 → 1.98m 68-71 → 1.26m 71-74 → .53m	15073	61.00	62.41	<5	53	<1	110
			15074	62.41	62.92	85	130	23	175
			15075	65.12	68.51	<5	51	<1	130
			15076	68.51	71.34	30	74	4	165
			Note: Continuous sampling due to lost core						
			15159	68.51	69.45	5			
			15160	69.45	70.39	250			
			15161	70.39	71.34	15			

% CORE RECOVERY
97.61 %

Drilled by Bradley Brothers Limited Logged by M. Michaud

Drill Core Log

R. Bruce Graham & Associates Ltd.

Mining Consultants

Property.....

Hole No. CCD-89-3

Page 2 of 9

Latitude..... Bearing..... Page.....

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~FT~~ m		Au	Cu	Pb	Zn
71.34	77.67	Intermediate Volcanic → fine to medium grained, gray, locally brown, weakly foliated, locally iron-carbonitized → overall moderately carbonitized with several, randomly orientated qtz-carbonate and chlorite stringers up to 5mm wide → 71.34 to 74.21 → strong iron-carbonitization with numerous qtz-carb. veinlets, trace to 1% f. to c.gr. py → 5-10% of rock composed of up to 2mm wide, irregular shaped blebs of beige to brown coloured (iron-carb.?) Mineralization → nil to trace amounts of f. to c.gr. cubic diss. py (up to 6mm in size) → broken lower contact	15077	71.34-73.67		<5	48	<1	160
			15078	73.67-75.67		<5	105	<1	120
			15079	75.67-77.67		<5	110	<1	78
77.67	185.13	Gabbro → Massive, medium to coarse grained, light green/dark green mottled texture → locally, weakly carboned, epidotized, magnetic, silicified → gradational phase changes with							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

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Property.....

Hole No. CCD-89-3

Latitude..... Bearing..... Page 3 of 9

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~FT.~~ m					
		a more mafic change and changes in grain size → 20% f.gr. feldspars, 30-50% < 2mm irregular (anhedral) to euhedral amphiboles							
		→ 77.67 to 81.25m → f.gr. massive, gray/green → chilled margin	15166	77.67-78.17	5	74	<1	85	
		→ 2-5% of rock composed of qtz-carbonate and chlorite stringers at random orientations	15167	78.17-78.89	5	82	<1	82	
		→ few, gray qtz veins up to 6cm wide	15168	80.89-81.89	5	73	<1	69	
		→ 108.94 to 133.95 → epidotized, light green irregular shaped blebs with carbonate rims up to 1-3 mm wide	15080	78.89-80.89	20	115	<1	78	
		→ 125.36 to 126.12m → numerous, grey qtz and chlorite infilled fractures	15162	78.89-79.39	10				
		→ 136.01 to 137.43 → numerous gray qtz veins up to 20cm wide, trace f. to m. gr. py	15163	79.39-79.89	5				
		→ 137.43 to 142.91 → strong epidotization, trace f. gr. py	15164	79.89-80.39	5				
		→ 142.91 to 147.42 → beige/dark green mottled zone with numerous bull white qtz-carb veins up to 25cm wide with trace f. gr. py / cpy	15165	80.39-80.89	5				
		→ overall weak to moderate	15081	85.29-87.29	5				
			15082	106.42-108.42	5				
			15083	115.42-117.42	5	82	<1	72	
			15084	125.36-126.36	< 5				
			15085	135.59-137.59	5				
			15086	141.91-142.91	< 5	77	<1	86	
			15087	142.91-144.41	10	83	<1	75	
			15088	144.41-145.91	15	155	<1	45	
			15089	145.91-147.42	30	200	<1	58	
			15090	147.42-148.42	20	100	<1	82	
						% CORE RECOVERY			

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

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Property.....

Hole No. CCD-89-3

Latitude..... Bearing..... Page 4 of 9

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH m		Au	Cu	Pb	Zn
		Silicification with trace to 1% f. gr. py, trace cpy → pyrite often associated with qtz-chlorite stringers up to 1cm wide	Resample of 15089						
			15169	145.91	146.41	35	145	<1	52
			15170	146.41	146.91	5	73	<1	54
			15171	146.91	147.42	15	325	<1	78
			Resample of 15090						
			15172	147.42	147.92	15	130	<1	70
			15173	147.92	148.42	25	92	<1	80
		→ 156.32 to 185.13 → dark green to black, weakly magnetic, trace f. to c.gr. py, several, randomly orientated light green epidote stringers up to 3mm wide							
		→ 158.07 to 158.71 → numerous, qtz-carbonate veinlets up to 2cm wide with 1% f. to c. gr. py, strong epidotization	15091	158.07	159.07	5	90	<1	60
		→ 182.60 to 185.13 → 10-15% of rock composed of epidote/sericite stringers, trace py	15092	183.13	185.13	5	105	<1	82
		→ Broken lower contact							
185.13	186.49	Mafic Tuff/Volcanic → fine to medium grained, moderately foliated/compositionally banded, green coloured → overall strong carbonitization → numerous, randomly orientated, qtz-carbonate and chlorite stringers up to 3mm wide							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

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Property.....

Hole No. CCD-89-3

Latitude..... Bearing..... Page 5 of 9

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~FT~~ m		Au	Cu	Pb	Zn
		→ Foliation; at 186.11m → 66° tca	15093	185.13	186.49	< 5			
		Mineralization → nil to trace amounts of f. gr. diss. py → sharp irregular lower contact							
186.49	197.58	Gabbro → As described Above with few qtz-carbonate and chlorite stringers							
197.58	213.6	Intermediate Volcanic → fine to medium grained, light gray / locally pale green, weakly compositionaly banded / foliated	15094	197.58	199.58	< 5	85	< 1	81
		→ overall weakly silicified, locally moderately silicified	15095	199.58	201.58	< 5	93	< 1	96
		→ several, randomly orientated, qtz-carb veins up to 3cm wide, several chlorite stringers	15096	204.30	206.30	5	100	< 1	91
		→ 197.58 to 200.68 → strongly carbonitized	15097	206.30	208.30	< 5	72	< 1	79
		→ 204.62 to 209.17 → numerous, qtz-carb. veinlets up to 15 cm wide with trace amounts of py, cpy	15098	208.30	210.30	< 5	76	< 1	72
		Foliation; at 201.60 m → 71° tca							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

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Property.....

Hole No. CCD-89-3

Page 6 of 9

Latitude..... Bearing.....

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ft. m		Au	Cu	Pb	Zn
		Mineralization → overall nil to trace amounts of f. to m. gr. cubic py → trace cpy → gradational lower contact							
213.61	218.57	Sericitic Intermediate Lapilli Tuff → fine to medium grained, pale olive green, moderately foliated/compositionaly banded unit with 10-20% of rock composed of rounded, slightly elongate parallel to foliation beige clasts up to 1cm wide. → locally sericitic up to 20% → overall weakly carbonitized → several, randomly orientated and parallel to foliation qtz-carbonate veinlets up to 2cm wide with trace py, cpy Foliation: at 216.32m → 68°tca	15099 15100 15101	213.61-215.11 215.11-216.61 216.61-218.57		5 <5 <5	99 86 85	<1 <1 <1	105 88 91
		Mineralization → overall nil to trace amounts of f. gr. py, cpy → gradational lower contact							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

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Property.....

Hole No. CCV-89-3

Latitude..... Bearing..... Page 7 of 9

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~Ft~~ m		Au	Cu	Pb	Zn
218.57	229.61	Intermediate Volcanic → uniform, f. to m. gr., gray/green, weakly foliated unit with few chlorite and qtz-carbonate stringers up to 1cm wide Mineralization → nil to trace amounts of f. gr. py, often associated with qtz-carb. veinlets → broken lower contact	15102	225.24-227.24		< 5	78	< 1	92
229.61	234.07	Intermediate Tuff → medium to coarse grained, < 2mm wide white, euhedral feldspathic grains up to 40% of rock in light to dark green, fine grained, weakly foliated matrix → few, qtz-carb. veinlets Mineralization → nil to trace amounts of f. gr. py → Broken lower contact							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

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Property.....

Hole No. CCD-89-3

Page 8 of 9

Latitude..... Bearing..... Page 8 of 9

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH m		Au	Cu	Pb	Zn
234.07	238.19	Silicified Intermediate Volcanic → fine grained, gray to pale green, weakly foliated, moderate to strong silicification with few, randomly orientated qtz-carb. veinlets up to 1cm wide with chlorite/pyrite contacts	15103	234.07-236.07	2	5	19	2	68
		→ few chlorite stringers	15104	236.07-238.17	2	5	20	<1	68
		Foliation: at 235.68m → 56° tca							
		Mineralization → nil to trace amounts of f. to c. gr. py, mostly at qtz-carb. vein contacts							
		→ gradational lower contact							
238.19	249.29	Sericitic-Carbonatized Intermediate Volcanic → uniform, fine to medium grained, gray/green, moderately to strongly foliated							
		→ locally sericitic, up to 20%.							
		→ 10% of rock composed of randomly orientated qtz-carb. veinlets and highly convoluted carbonate-feldspathic veinlets up to 2cm wide							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

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Property.....

Hole No. CCD-89-3

Page 9 of 9

Latitude..... Bearing.....

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH FT.		Au	Cu	Pb	Zn
		-> several, chloritic stringers -> numerous, irregular shaped, feldspathic blebs up to 1cm wide -> locally micro-fractured with qtz-carb./chlorite infilling Foliation: at 241.60 m → 64° tca at 249.28 m → 62° tca Mineralization -> nil to trace amounts locally of f.gr. diss. py -> gradational lower contact	15105	238.19-240.19		5	90	<1	105
			15106	240.19-242.19		5			
			15107	242.19-244.19		<5			
			15108	244.19-246.19		5			
			15109	246.19-247.79		5			
			15110	247.79-249.29		10			
249.29	260.00	Intermediate Volcanic → As described above → very weakly foliated with few qtz-carbonate veinlets and nil to trace amounts of f.gr. py EOH: 260.00 meters							

% CORE RECOVERY

Drilled by..... Logged by.....

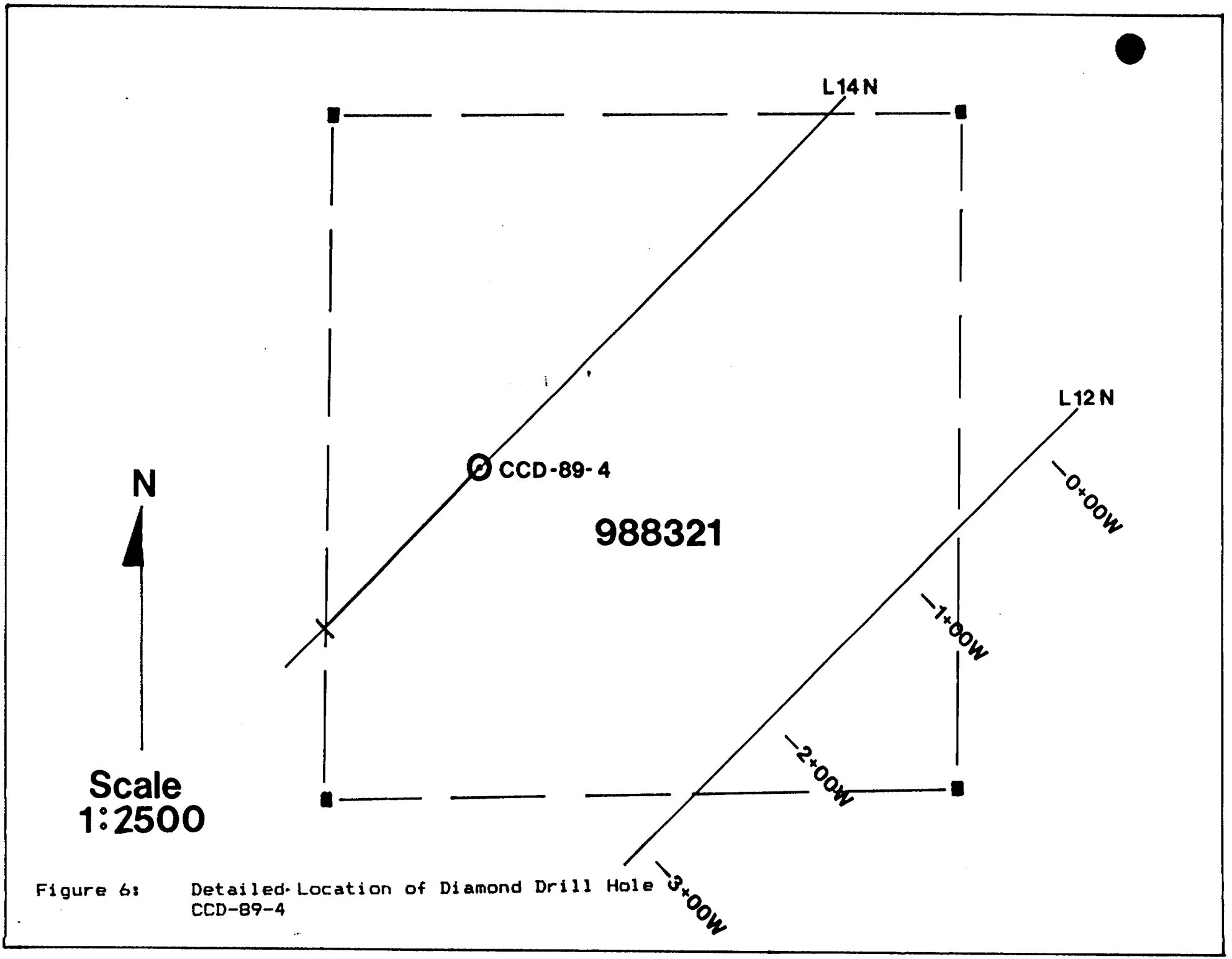

Figure 6: Detailed Location of Diamond Drill Hole CCD-89-4

Drill Core Log

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Mining Consultants

Property Duff Twp.

Hole No. CCO-89-4

Latitude ..... Bearing 225° Page 1 of 7

Departure 75m: -48°, 150m: -48°, 200m: -47° Dip -50°

Location L 14+00 N, 2+15 W Length 200m (656') Core Size BQ

Elevation ..... Started April 2/89 Completed April 5/89

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~ft.~~ m		Au ppb	Cu ppm	Pb ppm	Zn ppm
0.0	38.0	Overburden							
38.00	108.55	Gabbro							
		→ Massive, fine to coarse grained, light green/dark green mottled texture							
		→ 30-50% of rock composed of <2mm wide anhedral amphibole grains							
		→ locally euhedral grains, locally fine grained phases of similar composition	15111	49.23-	51.23	5	92	<1	61
		→ very few, up to 1cm wide qtz-carb. veinlets with chloritic contacts and trace amounts of f. to m. gr. py	15112	67.06-	69.06	5	75	<1	62
			15113	80.99-	82.99	5	62	1	61
		→ several, randomly orientated chlorite stringers up to 5mm wide							
		Mineralization							
		→ nil to trace amounts of f. to m. gr. cubic py, often associated with qtz-carb. veinlets							
		Quartz Veining → 97.03 to	15114	97.00-	97.50	5			
		97.25, 99.55 to 99.68 →	15115	99.50-	100.00	5			
		white/gray qtz veins with trace chlorite and py							
		→ 104.65 to 108.55 → euhedral amphiboles up to 3mm wide	15116	106.55-	108.55	5	64	<1	59
		→ 106.55 to 108.55 → 3 of 2cm wide qtz-carb. veinlets, trace py							
		→ gradational lower contact							

% CORE RECOVERY
99.98%

Drilled by Bradley Brothers Limited Logged by M. Michaud

Drill Core Log

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Property.....

Hole No. CCD-89-4

Latitude..... Bearing..... Page 2 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~Ft~~ m					
108.55	115.28	Silicified Zone →Moderately to strongly silicified, gray/green unit with several qtz-carbonate and chlorite stringers up to 3mm wide →110.22 to 115.28 → Moderately epidotized, up to 20% of rock composed of 2mm wide anhedral to euhedral light green epidote grains →overall weakly carbonitized Foliation: Massive Mineralization →nil to trace amounts of f.gr. py, often associated with qtz-carb. veinlets →broken lower contact	15117	108.55-110.05	10	69	<1	61
			15118	110.05-111.55	5	73	<1	76
			15119	111.55-113.05	5	77	<1	80
			15120	113.05-114.05	5	67	<1	70
			15121	14.05-115.28	20	74	<1	77
115.28	125.09	Mafic Tuff →fine to medium grained, green/gray locally, weakly foliated →minimal deformation and fluid introduction - few, randomly orientated, up to 2cm wide qtz-carb. veinlets with trace f.gr. py →few chlorite stringers Mineralization →trace galena →trace amounts of f.gr. py →gradational lower contact	15122	116.03-116.83	10	99	<1	86
			15123	121.23-122.73	5	87	<1	81

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

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Property.....

Hole No. CCD-89-4

Latitude..... Bearing..... Page 3 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~FT.~~ m		Au	Cu	Pb	Zn
125.09	129.01	Silicified Zone → moderately to strongly silicified, locally, gray / light green, minor epidotization with few, <1 qtz-carb. and chlorite stringers	15124	125.09 - 126.09		5	110	<1	87
			15125	126.09 - 127.56		5	97	<1	82
		→ local, weak carbonitization	15126	127.56 - 128.06		20	48	<1	65
		→ 127.56 to 128.10 → qtz-carbonate veinlet, flooded zone with several chlorite stringers and 1-2% f. to c. gr. cubic py	15127	128.06 - 129.01		10	105	<1	98
		Foliation: too week tobe measured							
		Mineralization → overall trace to 1%. locally, f. to c. gr. cubic, diss. py							
		→ Sharp lower contact at 48° tca							
129.01	131.83	Mafic Tuff → As described Above							
		→ numerous, randomly orientated, qtz-carb. veinlets up to 2.5 cm wide with chlorite contacts and trace amounts of f. gr. py	15128	129.01 - 130.43		15	100	<1	89
			15129	130.43 - 131.83		10	110	<1	105
		→ overall nil to trace amounts of f. gr. diss. py							
		→ Sharp lower contact at 61° tca							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

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Property.....

Hole No. CCD-89-4

Latitude..... Bearing..... Page 4 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~Ft.~~ m		Au	Cu	Pb	Zn
131.83	164.71	Gabbro → Massive, uniform, medium to coarse grained, anhedral, locally euhedral amphiboles up to 40% of rock, light green / dark green / black mottled texture → local phase changes in composition and grain size → local, strong carbonitization → few, randomly orientated qtz-carbonate veinlets with chlorite and py contacts → Magnetic from 143.01 to 150.16 (gradual change), 10-20% f. to m. gr. magnetite Quartz Veining → 137.19 to 137.32, 141.61 to 141.92 → white / gray qtz veins with chlorite inclusions and contacts and trace to 1% f. to c. gr. cubic py → 150.16 to 152.21 → Sharp phase change, gray / white mottled unit with 10-20% amphibole grains → 152.21 to 153.22 → c. gr, lath shaped feldspars, up to 3mm long, making up 20-30% of rock → 153.22 to 155.29 → fine gr., light gray unit with 10-15%	15130	137.19 - 137.69		50	120	<1	98
			15131	141.60 - 142.10		10	73	<1	78
			15132	147.46 - 149.46		10	125	<1	96

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

R. Bruce Graham & Associates Ltd.

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Property.....

Hole No. CCD-89-4

Latitude..... Bearing..... Page 5 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~ft~~ m		Au	Cu	Pb	Zn
		medium gr. diss. amphiboles, moderate silicification, minor epidotization, overall 1-2% f. to c. gr. cubic py.	15133	153.22	154.22	10	120	<1	90
			15134	154.22	155.29	10	115	<1	99
		→153.96 to 154.09 → gray/white qtz vein with 1-2% f. to c.gr. py and chlorite	15135	160.50	161.20	10	150	<1	91
			15136	163.11	164.71	10	96	<1	80
		→160.59 to 161.12 → Several gray qtz veins up to 13cm wide with chlorite inclusions, trace f.gr. py							
		→163.18 to 164.71 → Moderately silicified with numerous qtz-carb. veinlets and trace py							
		Mineralization							
		→ overall, nil to trace f. to c.gr. diss py							
		→ Sharp lower contact at 56° tca							
164.71	167.47	Silicified Zone							
		→ moderately silicified, epidotized, fine grained gray matrix with 5-10%, medium grained green amphibole grains	15137	164.71	166.21	15	74	<1	74
		→ several, randomly orientated qtz-carb. stringers with trace to 1% f.gr. py	15138	166.21	167.47	10	69	<1	61
		→166.51 to 166.63 → white/gray qtz vein with chloritic stringers and trace py							
		→Similar to 153.22 to 155.29 Above							

% CORE RECOVERY

Drilled by..... Logged by.....

Drill Core Log

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Property.....

Hole No. CCD-89-4

Latitude..... Bearing..... Page 6 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~FT~~ M						% CORE RECOVERY
167.47	177.27	Intermediate to Mafic Tuff → fine grained, green to gray, uniform, weakly foliated unit with few, randomly orientated, up to 3mm wide qtz-carb. and chlorite stringers → Foliation: at 171.62m → 59° tca Mineralization → nil to trace amounts of f. gr. py → Sharp lower contact at 51° tca								
177.27	200.00	Intermediate Tuff/ Lapilli Tuff → fine grained, gray, weakly foliated unit, locally carbonitized, silicified and epidotized with interbedded Lapilli tuffs of up to 1cm wide, light green and beige clasts, angular, slightly elongate in direction of foliation → few, randomly orientated, qtz-carbonate and chlorite stringers → Moderate epidotization → 177.27 to 183.25m								

Drilled by..... Logged by.....

Drill Core Log

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Property.....

Hole No. CCO-89-4

Latitude..... Bearing..... Page 7 of 7

Departure..... Dip.....

Location..... Length..... Core Size.....

Elevation..... Started..... Completed.....

FROM	TO	FORMATION	SAMPLE NO.	LENGTH ~~FT~~ m		Au	Cu	Pb	Zn
		→ 177.27 to 179.27 → moderately silicified with trace to 1% f. to c. gr. cubic py	15139	177.27	178.77	10	105	<1	76
			15140	178.77	179.27	10	100	<1	54
		→ 179.05 to 179.21 → white quartz vein with iron-carbonate stringers (up to 15%) with trace f. gr. py	15141	179.27	180.27	5	58	<1	77
			15142	180.27	181.77	10	98	<1	75
		→ 190.63 to 191.82 → numerous, qtz-carb. and chlorite stringers up to 1cm wide with trace amounts of f. gr. py	15143	190.60	191.90	10	89	<1	78
		→ 197.51 to 198.39 → 3 of 1cm wide qtz-carb. veinlets with 5-10% f. to m. gr. cubic py	15144	197.39	198.39	20	105	<1	115
		Foliation: at 190.08m → 56° tca at 199.91m → 59° tca							
		Mineralization → overall, nil to trace amounts locally of f. to m. gr. cubic py							
		EOH: 200.00 meters							

% CORE RECOVERY

Drilled by..... Logged by.....

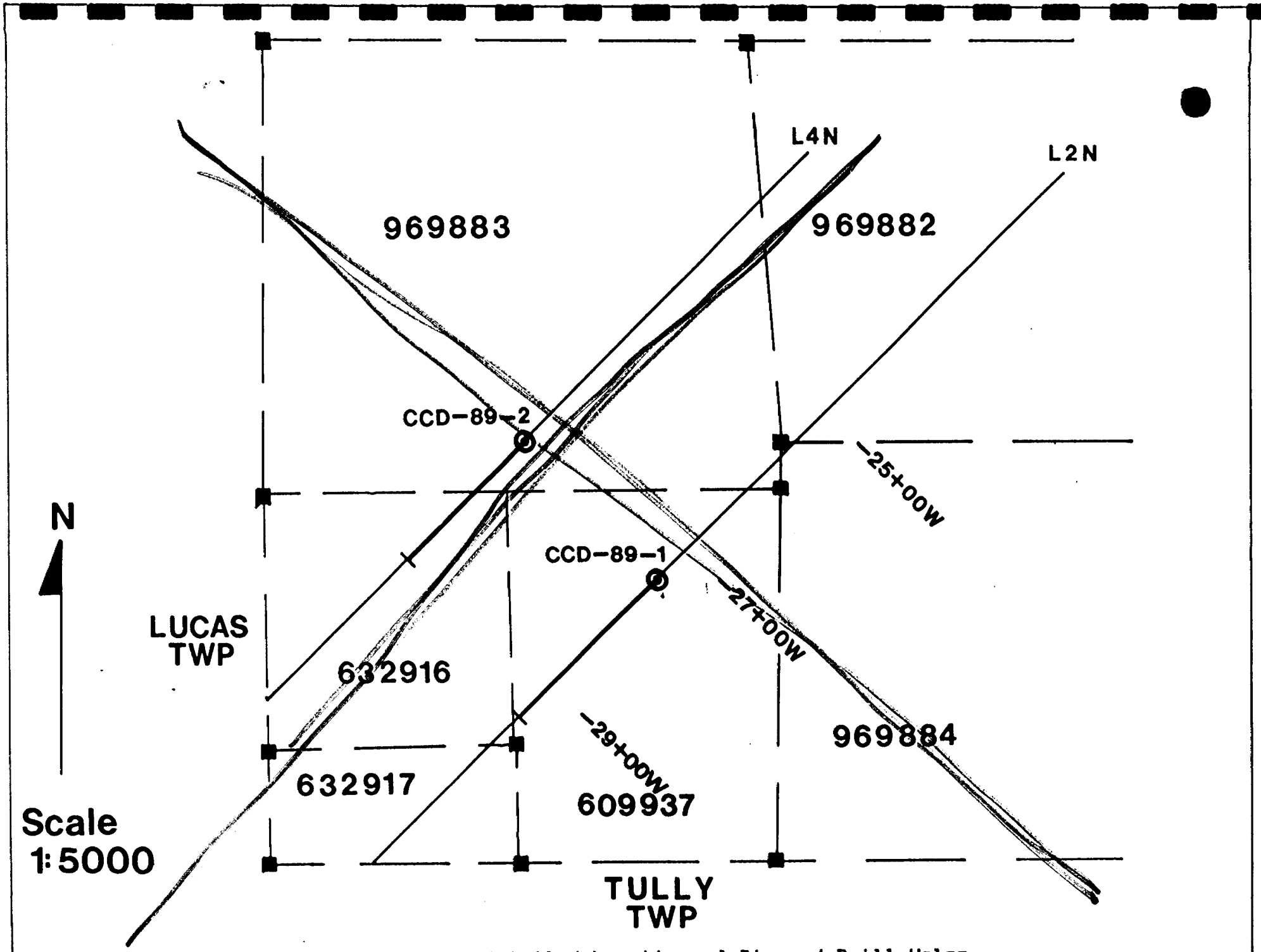
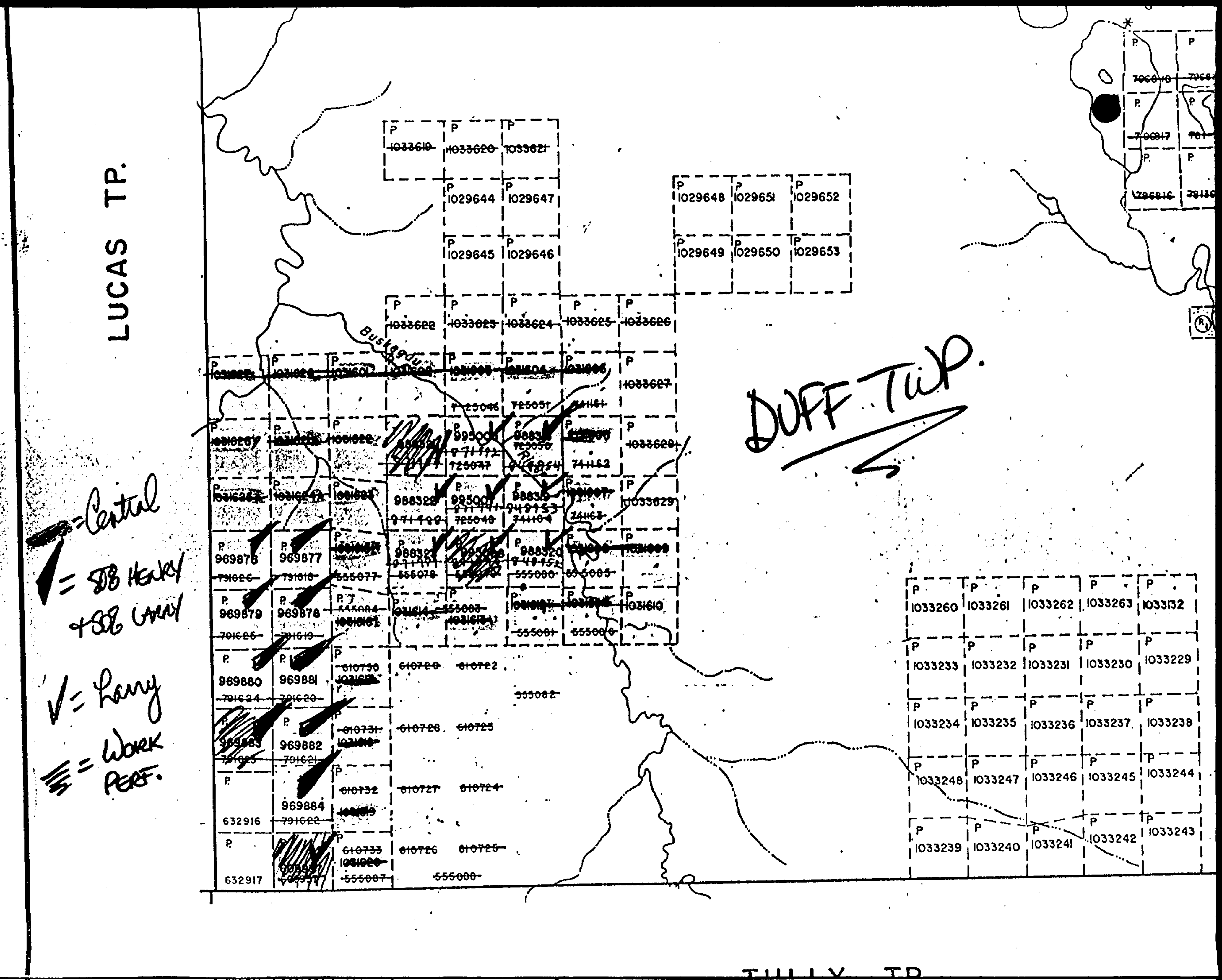


Figure 4: Detailed Location of Diamond Drill Holes CCD-89-1 and CCD-89-2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DUFF TWP.
Buskegau R.
= Central
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✓ = Larry
= WORK PERF.
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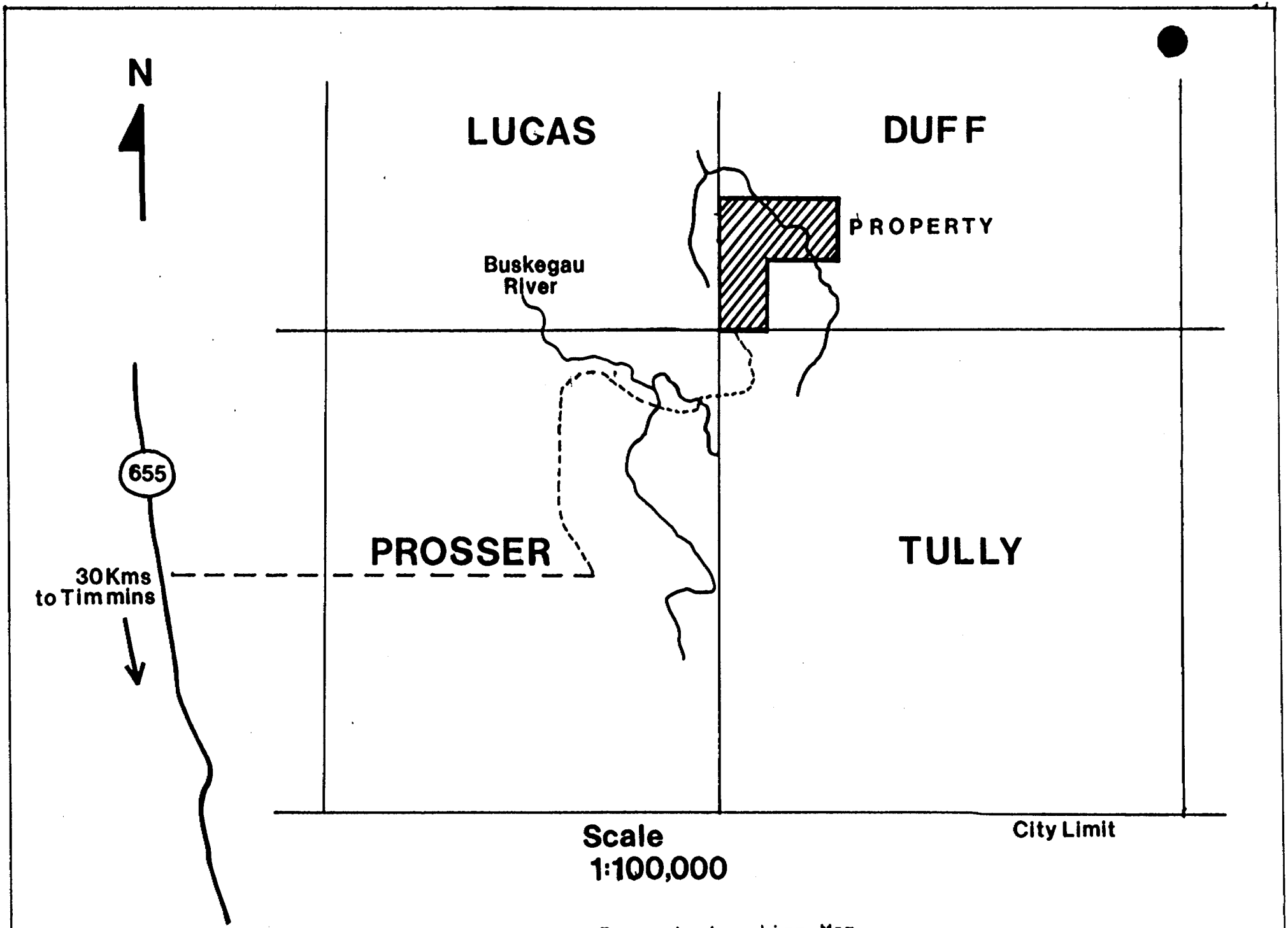
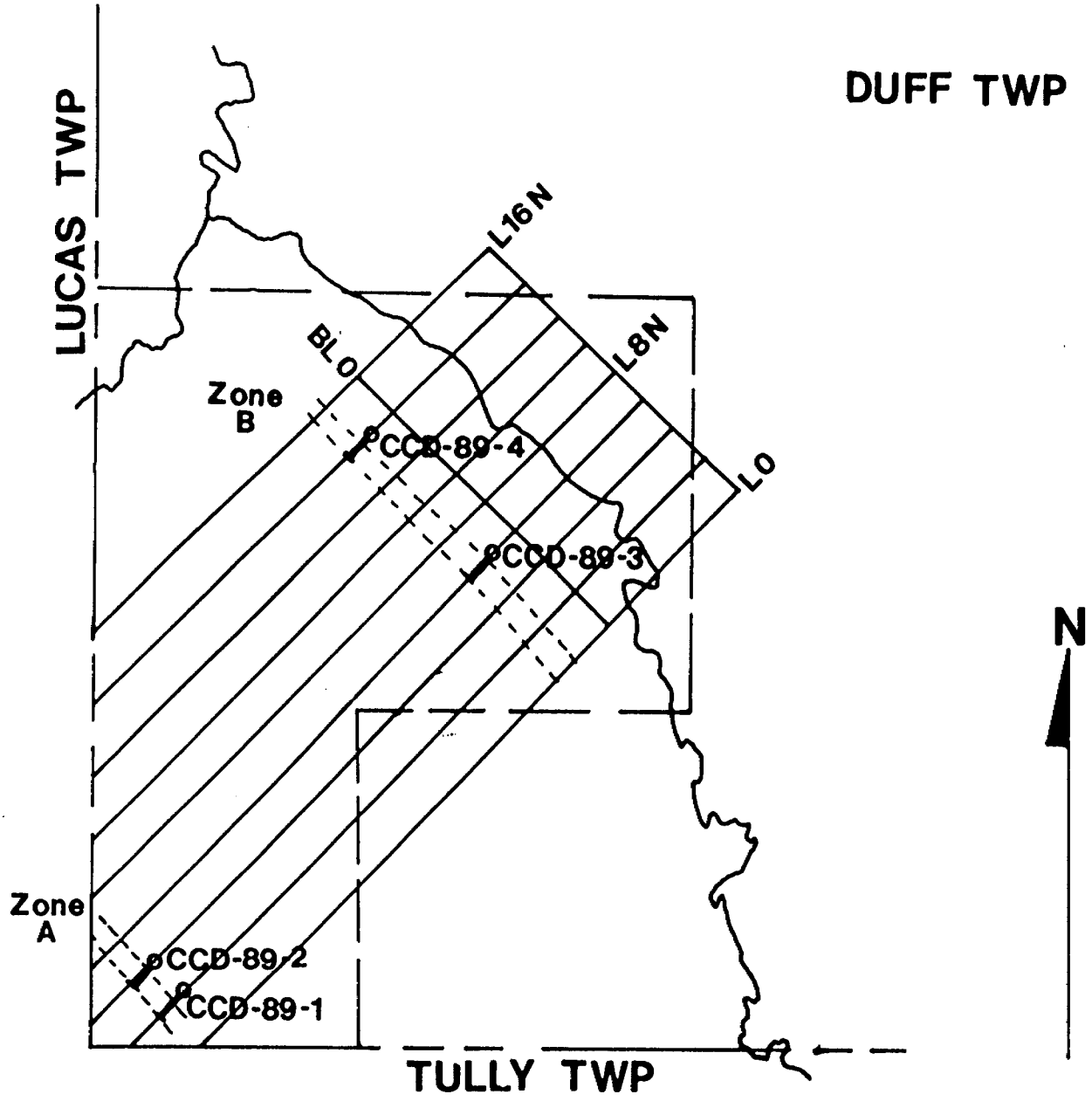


Figure 1: Property Location Map

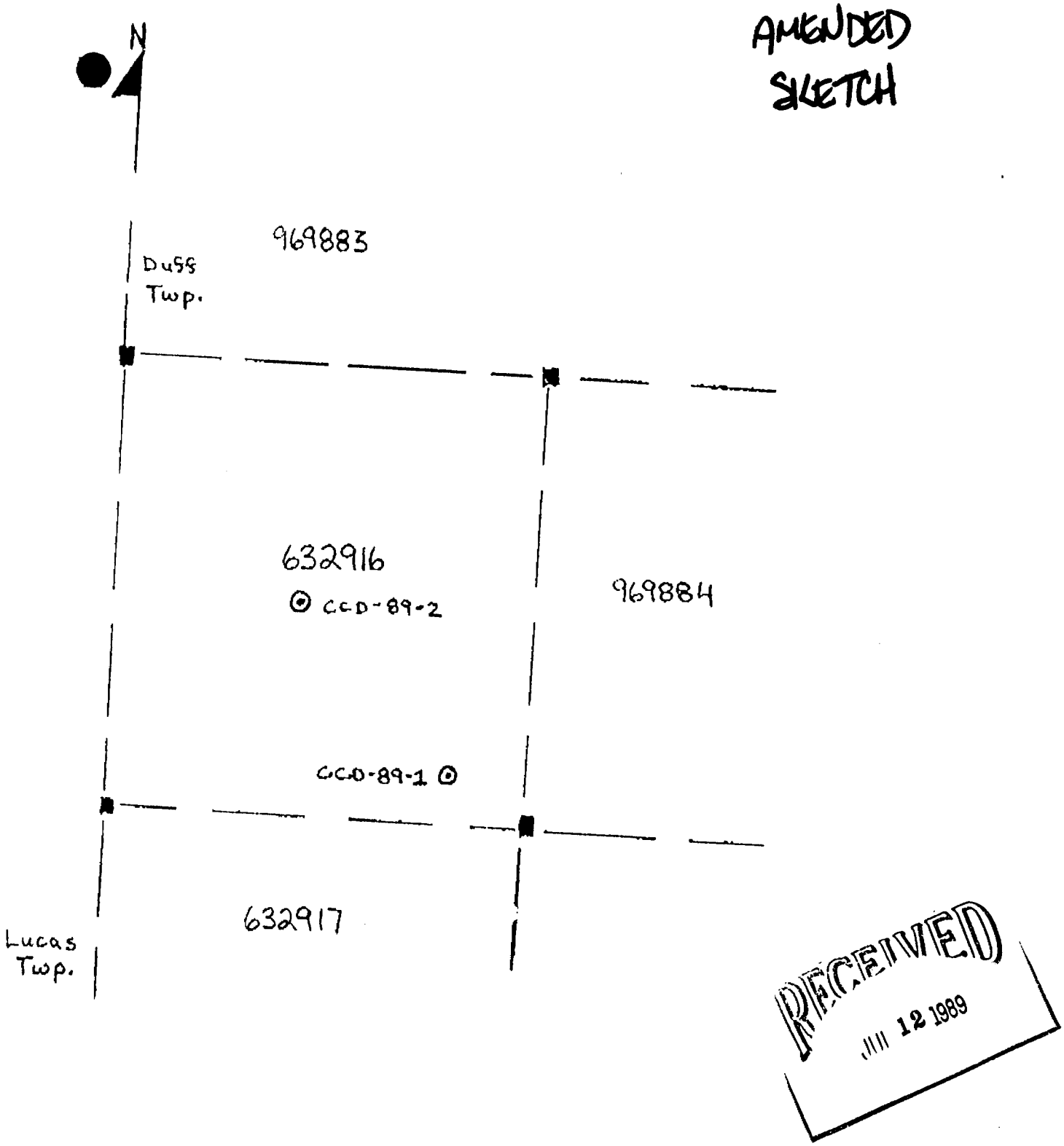


SCALE

1 inch : 1/2 mile

Figure 2: Plan Map of Diamond Drill Hole Locations

AMENDED SKETCH



Location Sketch: C.C.D.-89-1 + C.C.D.-89-2
Scale. 1:5000
Drawn by D.G.

Ministry of Northern Development and Mines
Ontario

Report of Work

DOCUMENT W 8906

W8906.408

Min

42A14SE0062 27 DUFF

900

Name and Postal Address of Recorded Holder

Central Crude Limited T-1361

436 Adelaide St W, Toronto, Ont. M5V 1S7

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 3070

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☑ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
P.				Schedule			attached.	
							632916	

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE SEP 20 1989 RECEIVED

All the work was performed on Mining Claim(s): ~~969883~~, 995008, 988321, ~~609937~~

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Drilling performed by Bradley Bros.
Box 485
Timmins, Ont.

Drilling was performed between March 17, 1989 and April 5, 1989.

D.D.H. #	Footage	Claim #
C.C.D-89-1	827	~~609937~~ 632916
C.C.D-89-2	735	~~969883~~ 632916
C.C.D-89-3	853	995008
C.C.D-89-4	656	988321

PORCUPINE MINING DIVISION RECEIVED JUN 29 1989 11:17

Date of Report: June 26, 1989

Recorded Holder or Agent (Signature): David Graham For Central Crude Ltd.

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

DAVID GRAHAM, 54 St. Leonards Ave, Toronto, Ont. M4N 1K3

Date Certified: June 26, 1989

Certified by (Signature): David Graham

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. *Note: Proof of actual cost must be submitted* within 30 days of recordin	Names and addresses of owner or operator together with dates when drilling/stripping	

RECORDED JUN 29 1989

Name and Postal Address of Recorded Holder

Central Crude Limited

436 Adelaide St. W., Toronto, Ont. M5V 1S7

Prospector's Licence No.: T-1361

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed

for Performance of the following work. (Check one only)

- [ ] Manual Work
- [ ] Shaft Sinking Drifting or other Lateral Work.
- [ ] Compressed Air, other Power driven or mechanical equip.
- [ ] Power Stripping
- [x] Diamond or other Core drilling
- [ ] Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
	* AMENDED COPY.							
	See			Schedule			attached.	

All the work was performed on Mining Claim(s): 632916 - 995008 - 988321

Required Information eg: type of equipment, Names, Addressos, etc. (See Table Below)

Drilling performed by Bradley Bros.
Box. 485
Timmins, Ont.

Drilling was performed between March 17 and April 5, 1989.

DDH	Footage	claim #
CCD-89-1	827	632916
CCD-89-2	735	632916
CCD-89-3	853	995008
CCD-89-4	656	988321

RECEIVED
JUL 12 1989
10:45

Amended July 11 '89

Date of Report: June 26/89

Recorded Holder or Agent (Signature): David Graham For Central Crude

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

DAVID Graham, 54 St. Leonards Ave, Toronto, Ont. M4N 1K5

Date Certified: June 26/89

Certified By (Signature): David Graham

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil

768 (85/12)

Prefix	Mining Claim Number	Work Days Credit
P.	1031601	100
	1031602	64
	1031603	64
	1031604	52
	1031605	100
	1031606	52
	1031607	52
	1031608	52
	1031611	120
	1031612	24
	1031613	24
	1031614	24
	1031615	24
	1031616	72
	1031617	72
	1031618	72
	1031619	72
	1031620	100
	1031621	72
	1031622	24
	1031623	24
	1031624	24
	1031625	100
	1031626	100
	1031627	100
	1031628	100
	995006	63
	995007	63
	995008	63
	988321	63
	988322	63
	988323	63
	969876	68
	969877	68
	969878	68
	969879	68
	969880	68
	969881	68
	969882	68
	969883	103
	969884	129
	988318	100
	988319	100
	988320	100