DIAMOND DRILL RECORD

010567

NAME OF PROPERTY CARMACKS PROJECT - YUKON
HOLE NO. 87-01 LENGTH 119.2 M
LOCATION VICTORIA MTN.
LATITUDE 3+75 N DEPARTURE 21+75 E
ELEVATION 1643 M AZIMUTH 350° DIP -50°
STARTED JULY 19/87 FINISHED JULY 23/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-50°	350°			
107M	-49°	AZIM			

HOLE NO. 87-01 SHEET NO. 1 OF 8
REMARKS CARON D.D. N.Q.

LOGGED BY A BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
0.0	4.7	OVERBURDEN										
4.7	19.53	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										
		- COARSE GRAINED - K SPAR MEGACRYSTS 5-20 MM 50%-70%										
		- HORNBLENDE 3-7 MM 30% - 50%										
		- WHITISH PINK TO PINK										
		- LOCALLY CHLORITIZED, FINE EPIDOTE FRACTURE FILLING										
		- LOCALLY INTENSLY OXIDIZED FAULT GOUGE ZONES WITH HEMITITE & LIMONITE ALTERATION										
		- MAFIC COMPONENT APPROX 40°-50° TO L.C.A. (MINERAL ALLIGNMENT)										
		- WEAKLY MAGNETIC										
		4.7 - 6.7 - 1% - 5% FINE EPIDOTE FRAC. FILLING										
		- MINOR HEM. & LIM.										75%
		6.7 - 7.4 - OXIDIZED FAULT GOUGE ZONE										
		- INTENSE HEM. & LIM. ALT.										
		- YELLOW BROWN TO RUSTY RED										65%
		7.4 - 8.9 - AS 4.7 - 6.7										95%
		9.95 - 12.3 - AS 6.7 - 7.4										
		- 10.15 - 10.6 - EXTREMELY HEMITIZED	34126		10.15	10.6	0.45	0.001				85%
		- REDDISH PURPLE										
		- TRACE QTZ										
		12.3 - 14.8 - MINOR EPIDOTE FRAC. FILLING										95%

LANGRIDGES - TORONTO - 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. D.A.1 SHEET NO. 2 of 5

REMARKS _____

LOGGED BY A. BEARY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
		14.8 - 15.7 - EXTREMELY OXIDIZED FAULT GOUGE ZONE - INTENSE LIM. & HEM ALT. - 15.3 - 15.4 TWO 10 MM PEGMITITIC K-SPAR DYKLETS										65%
		15.7 - 16.3 - WEAK SERICITIZATION, MINOR [illegible] - HOLENITE LIM & HEM ALT. - YELLOW TO YELLOW BROWN - MAFIC COMPONENT ALTERED TO EPIDOTE & CHLORITE										90%
		16.3 - 18.5 - EXTREMELY OXIDIZED FAULT GOUGE ZONE - INTENSE LIM & HEM ALT. - TEXTURE VARIES BETWEEN RUBBLE & CLAY - K-SPAR LATHS 2MM EASILY DISTINGUISHED - YELLOW BROWN TO REDDISH BROWN										60%
19.53	20.9	ANDESITE DYKE - VERY FINE GRAINED, GREY TO REDDISH GREY - 2% - 4% ALTERED AMYGDULES REPLACED WITH EPIDOTE 1MM-3MM - 1% - 3% FINE GRAINED DARK MINERAL (MAGNETITE) 0.3MM - 1.0MM - LATE NETWORK OF FINE FRACTURES CONTAINING EPIDOTE, CARBONATE, HEMITITE & LIMONITE — 10° - 30° TO L.C.A. - WEAKLY MAGNETIC										100%
20.9	119.2	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - COARSE GRAINED - K-SPAR XTALS 5MM - 30 MM 10% - 90% - PLAGIOCLASE XTALS 3 MM - 10 MM 10% - 50% - HORNBLENDE XTALS 3MM - 10 MM 20% - 60% - WHITISH PINK TO PINKISH RED										95%

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-11 SHEET NO. 5 of 5

REMARKS _____

LOGGED BY A Peat

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS CORE LOSS
		- MASSIVE TO WEAKLY FOLIATED WITH PREFERED ORIENTATION OF MAFIC PHENOCRYSTS (HORNBLENDE ± CHLORITE ± EPIDOTE) BETWEEN 30° — 60° TO L.C.A.										
		- LOCAL CHL. AND EP. ALT OF HORNBLENDE										
		- LOCALLY UP TO 15% EPIDOTE FRACTURE INFILLING										
		- WEAKLY MAGNETIC THROUGH OUT										
		- CONTAINS LOCAL FAULT GOUGE ZONES DISPLAYING MODERATE TO INTENSE OXIDATION, HEMITIZATION & LIMONIZATION										
		- YELLOWISH BROWN TO PURPLISH RED										
		- TEXTURE VARIES FROM INCOMPETENT CORE TO RUBBLE & CLAY										
		- MORE COMPETENT CORE DISPLAYS WEAK SERICITIZATION										
		20.9 - 24.65 - VERY COARSE GRAINED - K-SPAR TO 20 MM										
		- WEAKLY CHL. HORNBL. TO 10 MM										
		- 10% FINE FRACTURES TO 3 MM INFILLED WITH EPIDOTE RUNNING 20° - 30° TO L.CA.										95%
		- PINK K-SPAR PEGMITITIC DYKLETS TO 20 MM CUTTING 30° TO L.C.A.										
		24.65 - 26.6 - FAULT GOUGE ZONE										
		- EXTREME OXIDIZATION & LIMONITIC ALTERATION										
		- YELLOW TO YELLOW BROWN										70%
		- TEXTURE VARIES BETWEEN RUBBLE & CLAY										
		28.0 - 28.1 - PEGMITITIC K-SPAR DYKLET (PINK) - 20 MM										
		- CONTAINS 1% - 3% FN GRAINED SPECULAR HEMITITE										
		- 30° TO LCA.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-01 SHEET NO. 4 of 8

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
		29.5 - 32.3 - MODERATE LIM & HEM. ALT. WITH MODERATE OXIDATION - MINOR SERICITIZATION - MAFIC COMPONENT HEAVILY CHLORITIZED - WEAK BRECCIATION - TRACE SPECULAR HEMITITE - YELLOW BROWN	34127		31.5	32.5	1.0					90%
			128		32.5	33.5	1.0					
			129		33.5	34.5	1.0					
			130		34.5	35.5	1.0					
		32.3 - 40.5 - WEAK LIMONIZATION & OXIDATION - 80% K-SPAR, 20% HORNBLENDE + CHL. - WEAK BRECCIATION	131		41.5	42.5	1.0					95%
			132		42.5	44.0	1.5					
		40.5 - 51.5 - AS 29.5 - 32.3 - PRIMARILY OXIDIZATION & LIMONITE ALTERATION - LOCALLY STRONGLY HEMITIZED (PURPLISH RED) 49.0 - 49.8 - STRONGLY HEM. & OXIDIZED (RUBBLE & CLAY) 50.8 - 51.5 - STRONGLY HEM. & OXIDIZED (RUBBLE & CLAY)	133		47.0	48.0	1.0					
			134		48.0	49.0	1.0					85%
			135		49.0	50.0	1.0					
			136		50.0	51.5	1.5					
		53.1 - 53.3 - LOCALIZED FAULT GOUGE - VERY LIMONITIC AND HEAVILY OXIDIZED - RUBBLE & CLAY										
		54.8 - 54.9 - AS 53.1 - 53.3										
		57.2 - 57.55 - WEAK BRECCIATION - 10% - 15% FINE EPIDOTE FILLED FRACTURES 1MM - 2MM										
		61.0 - 61.05 - BAND OF CONCENTRATED UNALT. HORNBLENDE XTALS 1MM - 5MM - 50% OVER 30MM - 45° TO L.C.A. - WEAKLY MAGNETIC										
		62.75 - 62.9 - INTENSLY LIMONITIC / HEMITITIC FRACTURE 7MM - 10MM - HEAVILY OXIDIZED - 30° TO L.C.A.	137		62.7	63.1	0.4					

LANGRIDGES — TORONTO — 366-1168

RM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 77-01 SHEET NO. 5 of 5

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS CORE RECOVERY
		64.8 - 65.1 - 30 mm FRACTURE FILLED WITH EPIDOTE, K-SPAR, PLAGIOCLASE - 1% - 3% FINE GRAINED Py - 30° TO L.C.A.	34138		64.8	65.1	0.3					
		66.3 - 66.4 - 30mm BAND OF CONCENTRATED HORNBLENDE X-TALS (1mm - 5mm) - 60% - 70% HBL. - 45° TO L.C.A. - WEAKLY MAGNETIC										
		66.65 - 66.75 - HEAVILY OXIDIZED LIMONITIC & HEMITITIC FRACTURE - 20mm WIDE, MINOR QTZ - 40° TO L.C.A.	139		66.5	66.9	0.4					
		67.46 - 70.1 - INCREASE IN PLAGIOCLASE CONCENTRATION 40%-50% - EUHEDRAL K-SPAR MEGACRYSTS 15mm - 25mm 10% - 15% - MEDIUM TO COARSE GRAINED HORNBLENDE 3mm - 8mm 40% - 50%										100%
		70.1 - 71.3 - CONCENTRATION OF K-SPAR MEGACRYSTS 10mm - 30mm 30% - 60% - 1% - 3% FINE FRACTURE FILLED WITH EPIDOTE - OCCASIONAL HORNBLENDE CONCENTRATIONS (2mm - 10mm)										
		71.3 - 74.0 - 50% PLAGIOCLASE, 50% HORNBLENDE - 1% - 2% K-SPAR 72.6 - ONE PEGMITITIC K-SPAR DYKLET (PINK)										
		75.95 - 76.2 - 30% FINE EPIDOTE FILLED FRACTURES - HORNBLENDE REPLACED WITH CHL & EP. - WEAKLY HEM. & LIM. ON FRACTURE SURFACE - WEAKLY MAGNETIC	140		75.8	76.3	0.5					

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. [illegible] SHEET NO. [illegible]

REMARKS _____

LOGGED BY A. Kerr

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS [illegible]
		- HANGING WALL TO V.N. CONSISTS OF 60 mm BRECCIATED SILICIOUS K-SPAR, 20%-30% EP FILLED FRACS., NO MAFIC MEMBER.	34149		99.5	100.5	1.0					100%
		- WELL DEFINED H.W. CONTACT 70° TO L.C.A.	150		100.5	101.5	1.0					↓
		- FOOTWALL TO VN IS 150 mm - 200 mm BRECCIATED SILICIOUS K-SPAR 20% EP FILLED FRACS. TRACE HEM, LIM & SULFIDES	151		101.5	102.5	1.0					
		- WELL DEFINED F.W. CONTACT 30° TO L.C.A.										
		99.4 - 100.0 - BRECCIATED K-SPAR, QTZ, EP., HORNBLENDE FILLED FRAC. (VN?)										
		- 10% - 15% 1 mm - 3 mm BLUE QTZ FRAGS										
		- H.W. CONTACT 45° TO L.C.A.										
		- F.W. CONTACT 70° TO L.C.A.										
		- TRACE HEM., LIM., & SULPHIDES										
		102.1 - 102.3 - 30 mm K-SPAR PEG DYKLET, 10% EP REPLACED HNBL.	152		102.5	103.5	1.0					
		- TRACE QTZ, HEM., LIM. & SULFIDES	153		103.5	104.5	1.0					
		- 45° TO L.C.A.										
		104.6 - 104.65 - HIGHLY SILICIOUS QTZ, K-SPAR VN BRECCIA	154		104.5	104.8	0.3					
		- GREYISH WHITE										
		- 5% - 10% EP. FILLED FINE FRACS										
		- UP TO 8% FN GR. PY, 1% PYRRHOTITE										
		- H.W. 50° TO L.C.A.										
		- F.W. 60° TO L.C.A.										
		- 20 mm UNDER VN IS A 15 mm MASSIVE BAND OF CONCENTRATED HORNBLENDE 60° TO L.C.A.										
		- MODERATELY MAGNETIC										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-21 SHEET NO. 5 of 8

REMARKS _____

LOGGED BY A BERTO

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS CORE REMOVED
		77.3 - 78.8 - 5-15% FINE EP. FILLED FRACTURES	34141		77.3	78.3	1.0					
		- MINOR EP. REPLACEMENT OF HORNBLENDE	142		78.3	78.8	0.5					100%
		- 20 MM K-SPAR PEGMATITE DYKLET, 20% QTZ 40° TO LCA.										
		83.1 - 83.9 - 5% FN EP. FILLED FRACTURE	143		83.1	83.9	0.8					
		- TRACE - 2% SOFT METALLIC BLUE MINERAL (MOLY)										
		- 50 MM K-SPAR PEGMATITE DYKLET CONTAINS 10% - 15% QTZ PRIMARILY ON CONTACTS										
		- 45° TO L.C.A.										
		88.8 - 90.0 - WEAKLY OXIDIZED FAULT GOUGE ZONE										
		- MINOR HEM & LIM ALT.										
		- 3% FN EP. FILLED FRACTURES										
		92.45 - 10 MM PINKISH WHITE QTZ VEINLET - 30% K-SPAR	144		92.3	92.6	0.3					
		- 1% - 3% EPIDOTE ON CONTACTS										
		- 60° TO LCA.										
		- HOST UNALTERED SYENITE POR. - 1% FN EP. FILLED FRACS.										
		97.4 - 15 MM K-SPAR PEG. DYKLET, TRACE PY										
		- 40° TO L.C.A.	145		97.2	97.7	0.5					
		97.75 - 97.85 - 3 MM - 1 MM QTZ CARB FRACTURE FILLING 60° TO LCA	146		97.7	98.2	0.5					
		- WEAK LIM & HEM ALT.										
		- 20% EP. REPLACEMENT ON CONTACTS	147		98.2	99.05	0.85					
		99.05 - 99.50 - WEAK TO MODERATE QTZ VN BRECCIA - VERY SILICIOUS	148		99.05	99.5	0.45					
		- VN 110 MM - 150 MM WIDE, GREYISH - PINKISH WHITE										
		- 10% - 15% EP. FILLED FRAC.										
		- TRACE HEM., LIM., & SULFIDES										
		- WELL DEFINED LOWER VN CONTACT - 60° TO L.C.A.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-01 SHEET NO. 8 of 8

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS CORE RECOVERY
		104.8 – 105.05 – K-SPAR, HRNBD, EP. BRECCIA										
		– GREY, PINKISH GREY										
		– 2% – 4% QTZ										
		– TRACE HEM, LIM, 9 SULFIDES										
		– H.W. & F.W. 20° TO L.C.A.										
		– TRUE WIDTH 60 MM										
		111.0 – 111.4 – 10% – 15% FN EP. FILLED FRACS. 1% – 3% CO_3										
		– MINOR HEM & LIM ALT.										
		– TRACE FN. GR. Py										
		115.4 – 115.6 – BRECCIATED WHITISH GREY QTZ, K-SPAR VN, APPEARS TO FOLLOW EP. FILLED FRACTURES.	158		115.0	115.9	0.9					
		– 2% – 4% FN GR Py										
		– VN CONTACTS UNCLEAR, FRACTURES ARE 20°–60° TO L.C.A.										
		– WEAKLY MAG.										
		118.4 – 5 MM WHITISH GREY QTZ VEINLET										
		– MINOR HEM, 1% – 2% EP, TRACE Py										
		– 30° TO L.C.A.										
		– WEAKLY MAG.										
		119.1 – 119.2 – BRECCIATED WHITISH GREY QTZ, K-SPAR, EP. VEINLET	34159		118.3	119.2	0.9					
		– 30 MM TRUE WIDTH, 30° TO L.C.A.										
		– MINOR HEM & LIM ALT. TRACE SULFIDES										
		– WEAKLY MAGNETIC										
		END OF HOLE 119.2 METERS										
			34155		104.8	105.2	0.4					100%
			156		105.2	106.2	1.0					↓
			157		110.9	111.6	0.7					

LANGRIDGES – TORONTO – 366-1168

RM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS PROJECT - YUKON
HOLE NO. 87-02 LENGTH 88.7 M
LOCATION VICTORIA MTN.
LATITUDE 4+00N DEPARTURE 21+50 E
ELEVATION 1640 M AZIMUTH 340° DIP -50°
STARTED JULY 23/87 FINISHED JULY 26/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-50°	340°			
52.2	-49°	ACID			

HOLE NO. 87-02 SHEET NO. 1 OF 7
REMARKS N.Q. CASING

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
0.0	5.2	OVERBURDEN										
5.2	28.8	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - COARSE GRAINED - K-SPAR X-TALS 5mm-15mm 40%-80% - PLAGIOCLASE X-TALS 3mm-10mm 40%-80% - HORNBLENDE ± CHL 2mm-8mm 20%-50% - WHITISH PINK TO REDDISH PINK - LOCAL FINE FRACTURES FILLED WITH EPIDOTE & MINOR CO_3 - LOCAL CHLORITE ALTERATION OF HORNBLENDE - LOCAL EPIDOTE REPLACEMENT OF PLAGIOCLASE - MAFIC MINERAL ALLIGNMENT 40°-50° TO L.C.A. - WEAKLY MAGNETIC THROUGHOUT, TRACE - 1% FN GR. MAGNETITE - LOCAL FAULT GOUGE ZONES THAT HAVE BEEN EXTREMELY OXIDIZED WITH INTENSE LIMONITIC & HEMITITIC AND WEAK SERICITIC ALTERATION. TEXTURE VARIES BETWEEN INCOMPETENT CORE AND CLAY	34160		5.2	6.0	0.8					
			161		6.0	7.0	1.0					
			162		7.0	8.0	1.0					
			163		8.0	9.0	1.0					
			164		9.0	10.0	1.0					
			165		10.0	11.0	1.0					70%
			166		11.0	12.0	1.0					
			167		12.0	13.0	1.0					
			168		13.0	14.2	1.2					
		5.2-14.2 - FAULT GOUGE ZONE, INTENSLY OXIDIZED - INTENSE LIMONITE & HEMITITE ALTERATION - WEAKLY SERICITIC - YELLOWISH BROWN - TEXTURE VARIES BETWEEN RUBBLE & CLAY										
		21.4-21.9 - HEAVILY OXIDIZED GOUGE ZONE - INTENSE LIMONITE, MODERATE HEMITITE ALT.	169		21.4	21.9	0.5					
		21.85 - QTZ RUBBLE 5mm - 25mm - CONTACTS UNDISTINGUISHABLE - TRACE SULFIDES, MODERATELY LIMONITIC IN FRACTURES - RUBBLE & CLAY	170		21.9	23.0	1.1					80%
			171		23.0	24.0	1.0					

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY, _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-02 SHEET NO. 2 of 7

REMARKS _____

LOGGED BY A BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS
		22.0 - 23.3 - 15% EPIDOTE FILLED FRACTURES & STRINGERS WEAK CO_3 - 80% CHLORITE REPLACING HORNBLENDE - MINOR EPIDOTE REPLACING PLAGIOCLASE - GREYISH PINK										
		26.1 - 25.1 - 10% - 20% EPIDOTE ALT. OF PLAG.	34172		26.0	27.0	1.0					
		- MODERATE CHL. ALT OF HB.	173		27.0	28.0	1.0					
		- MINOR FINE FRACTURES FILLED WITH EPIDOTE	174		28.0	29.0	1.0					
		- MODERATE LIN. ALT., MODERATLY OXIDIZED										
		26.9 - CONCENTRATED BAND OF CHLORITE REPLACING HORNBLENDE - VERY WEAK MAGNETICALLY										
25.8	30.3	MEDIUM GRAINED SYENITE										
		- 30% 3mm - 7mm K-SPAR - 20% 1mm - 4mm HORNBLENDE - 30% 50% PLAGIOCLASE, 20% ALTERED TO EPIDOTE - 5% FINE EPIDOTE FILLED FRACTURES - WEAKLY LIMONITIC - LIGHT PINK - VERY WEAKLY MAGNETIC										
30.3	38.7	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										
		AS 5.2 - 28.2 - LOCAL K-SPAR PEGMITITE DYKLETS										100%
		30.3 - 31.0 - 90% CHLORITE REPLACEMENT OF HORNBLENDE	175		30.0	31.0	1.0					
		- 15% - 20% EPIDOTE ALT. OF PLAGIOCLASE	176		31.0	32.0	1.0					
		- UP TO 5% FINE EPIDOTE FILLED FRACTURES - WEAK LIMONITE & HEMITITE ALT.										
		31.0 - 31.1 - MASSIVE BAND OF CONCENTRATED HORNBLENDE - 110 mm WIDE - WEAK CHLORITE ALTERATION - BLACK										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-03 SHEET NO. 3 of 7

REMARKS _____

LOGGED BY A. Pettit

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- STRONG EPIDOTE REPLACEMENT OF PLAG. ON BOTH F.W. & L.W. CONTACTS FOR ~ 20 mm - F.W. CONTACT 80° TO L.C.A. - MODERATELY MAGNETIC										
		38.0 – 10 mm K-SPAR PEGMATITE DYKLET – PINK – 10% PLAGIOCLASE – 40° TO L.C.A.										
		39.4 – 5mm-7mm GREYISH WHITE QTZ. VIENLET – 40% MEDIUM GRAINED K-SPAR – WEAK EPIDOTE ALT. ON CONTACTS – 2% FINE – MEDIUM GRAINED 1mm-8mm Py – 60° TO L.C.A.	34177		39.0	39.5	0.5					
		41.1 – 42.6 – WEAK GOUGE ZONE, MODERATE OXIDATION – MODERATE LIMONITIC & HEMITITIC ALT. – WEAKLY SERICITIC – UP TO 20% EPIDOTE REPLACING PLAG. – 30% – 40% CHLORITE REPLACING HORNBLENDE – MINOR FINE EPIDOTE FILLED FRACTURES										
		43.8 – 44.0 – 15% FINE EPIDOTE FILLED FRACTURES, MINOR CO_3 – 10% EPIDOTE REPLACING PLAG. – ONE 5 mm QTZ/CALB. VIENLET – 20° TO L.C.A. – INTENSE LIMONITE ON F.W.	34191		43.7	44.1	0.4					
		45.9 – 46.0 – 40 mm ZONE OF 20% – 30% FINE EPIDOTE FILLED FRACS. – 10% – 15% EPIDOTE REPLACING PLAGIOCLASE – WEAKLY CARBONATIZED – FRACTURES RUN 30° TO L.C.A.										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 82-03 SHEET NO. 4 OF 7

REMARKS _____

LOGGED BY A Berry

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		47.0 - 47.6 - INTENSLY OXIDIZED GOUGE ZONE - INTENSE LIM. & HEM ALT. - BROWN TO REDDISH PURPLE - RUBBLE TO CLAY	34192		47.0	48.0	1.0				
			193		48.0	48.3	0.3				
		48.2 - 30 MM QTZ - K-SPAR VIENLET - VERY SILICIOUS, WEAKLY BRECCIATED - GREYISH RED - TRACE SULFIDES - WEAK LIMONITE ON CONTACTS — 45° TO L.C.A.									
		48.6 - 15 MM - 20 MM PEGMATITIC K-SPAR / PLAG DYKLET - PINK - 30° TO L.C.A.									
		50.45 - 5MM QTZ, PLAG. EP VIENLET - GREENISH GRAY - WEAK LIMONITIC FRACTURES - TRACE SULFIDES - 75° TO L.C.A.	34194		50.9	51.2	0.3				
		51.1 - 56.6 - ABUNDANCE 20% - 30% OF EUHEDRAL K-SPAR MEGACRYSTS - 10 MM - 25 MM (K-SPAR) - HORNBLENDE X-TAL SIZE VARIES FROM .5 - 5 MM HOWEVER MAINTAINS APPROX 40% - 50% OF COMPOSITION - PLAGIOCLASE CONSISTENT 5 MM - 10 MM 40% - 50% - MINOR EP. REPLACEMENT OF PLAG.									
		53.7 - QTZ EP VIENLET 4 MM WIDE - 45° TO L.C.A. - UP TO 20% EP. REPLACEMENT OF PLAG. IN THE IMMEDIATE WALL ROCK.	34178		53.3	53.8	0.5				

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
	"				

HOLE NO. 87-12 SHEET NO. 5 OF 7

REMARKS _____

LOGGED BY A Reap

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		61.4 - 61.5 - BAND OF CONCENTRATED FINE - MEDIUM GRAINED HORNBLENDE - BLACK - 80% HB, 20% K-SPAR - H.W. 45° TO L.C.A., F.W. 20° TO L.C.A.									
		64.7 - 64.75 - AS 61.4 - 61.5 - 70° TO L.C.A.									
		65.6 - 65.8 - SILICIOUS ZONE WITH A 10mm - 15mm EP. STRINGER - WEAK LIMONITIC ALT. - TRACE SULFIDES - STRINGER 30° TO L.C.A., NO QTZ VN	34179 180		65.5 66.0	66.0 67.0	0.5 1.0				
		66.8 - 66.9 - WEAK FRACTURE ZONE, MINOR LIM. & HEM IN FRACS. - 10% EP. REPLACING PLAG. - WEAK CHL. OF HB.									
		69.9 - 70.3 - ONE 1mm - 2mm HEM. & CARB. FILLED FRACTURE. - 5° TO L.C.A. - 5% EP REPLACING PLAG.									
		73.4 - 73.8 - MODERATE BRECCIA ZONE, FRACTURES 50° TO L.C.A. - WEAKLY SILICIOUS - WEAK LIM & HEM ALT. - 1% - 3% Py & PYRHOTITE - TRACE MAGNETITE - WEAKLY MAGNETIC	181		73.3	73.8	0.5				

LANGRIDGES — TORONTO — 366-1168

FORM 4

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. SD-83 SHEET NO. 2 of 7

REMARKS _____

LOGGED BY A Derry

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS CORE RECOVD.
		76.6 - 77.7 - WEAK BRECCIA ZONE, CORE BADLY BROKEN	34182		76.6	77.2	0.6					70%
		- WEAKLY OXIDIZED, MINOR LIMONITE IN FRACTURES	183		77.2	77.6	0.4					
		- 20% - 30% EP REPLACING PLAG.	184		77.6	78.1	0.5					
		- HORNBLENDE REPLACED BY LIGHT GREY MINERAL	185		78.1	78.6	0.5					
		77.3 - 15 MM QTZ VEIN - 60° TO L.C.A.	186		78.6	79.6	1.0					
		- GREY GREENISH WHITE	187		79.6	80.6	1.0					
		- MODERATE EP. WEAKLY LIMONITIC										
		- TRACE SULFIDES										
		77.3 - 77.5 - DARK SYENITE FELDSPAR/HORNBLENDE PORPHYRY										
		- 30% EP. ALT. PLAG.										
		- WEAKLY FRACTURED, WEAKLY SILICIOUS										
		- MINOR LIMONITE ALT.										
		- MAFIC MINERAL (HB REPLACED BY LIGHT GREY) 60° TO LCA.										
		77.6 - 20 MM QTZ										
		- VERY SIMILAR TO 77.3										
		- 65° TO L.C.A.										
		77.7 - 79.6 - FINE LIMONITE & EPIDOTE FILLED FRACTURES										
		- 30% HB ALT. TO CHL.										
		- 10% PLAG ALT. TO EP										
		83.5 - 20% - 30% FINE EP. FILLED FRACTURES RUNNING 40° TO L.C.A.	188		83.4	83.7	0.3					
		- TRUE WIDTH 20 MM										
		- WEAKLY SILICIOUS & SERICITIC										
		85.2 - 85.4 - MINOR FINE FRACTURES WITH LIM & EP FILLING	189		85.1	85.6	0.5					
		- WEAKLY SERICITIC										
		- 80% HORNBLENDE ALT. CHL.										
		- 10% PLAG. TO EP.										

LANGRIDGES — TORONTO — 366-1168

ORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-03 SHEET NO. 2 of 2

REMARKS _____

LOGGED BY A BEAU

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		86.9 - 2mm-3mm CARBONATE STRINGER - 3-5% FINE GRAINED Py - 2, 1mm X-TALS OF GALENA IN STRINGER - 10% PLAG. ALT. TO EP. ON CONTACTS - 30° TO L.C.A. E.O.H: 88.7	34190		86.7	87.1	0.4					

LANGRIDGES – TORONTO – 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS
HOLE NO. 87-03 LENGTH 119.5
LOCATION VICTORIA MTN. YUKON
LATITUDE 3+82 N DEPARTURE 20+63.5 E
ELEVATION 1643 AZIMUTH 340° DIP -50°
STARTED JULY 25 /87 FINISHED JULY 29 /87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-50°	340°			
76.2	-49°	ACID			

HOLE NO. 87-03 SHEET NO. 1 OF 7
REMARKS CARON DD N.Q.

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS CORE RECOVERY
0.0	8.8	OVERBURDEN										
8.8	24.4	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - COARSE GRAINED - K-SPAR 5MM-15MM 30% - 60% - PLAG. 3MM - 8MM 20% - 50% - HB. 2MM - 10MM 30% - 50% - PRIMARILY MODERATLY OXIDIZED WITH LOCAL INTENSE LIMONITIC & HEMITITIC ALTERATION - LOCAL WEAK SERICITATION - LOCAL CHL. REPLACEMENT OF HB. - LOCAL EP. REPLACEMENT OF PLAG. - PINKISH BROWN TO REDDISH BROWN - WEAKLY MAGNETIC - TRACE DISSEMINATED MAGNETITE - MAFIC MINERAL ALLIGNMENT 35°-50° TO L.C.A. 11.4 - 11.5 - MASSIVE (80%) BAND OF WEAKLY CHL. ALT. HB. - MEDIUM GRAINED 2MM - 4MM, BLACK - NO DISTINGUISHABLE CONTACTS										65%
24.4	24.6	RHYODACITE DYKE - FINE TO MEDIUM GRAINED - MODERATLY SILICIOUS, WEAKLY HEMITITIC - GREYISH PINK - WEAKLY MAGNETIC - H.W. CONTACT 60° TO L.C.A. (NO CHILL MARGINS)										
24.6	25.0	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - AS 8.8 - 24.4 - MODERATLY OXIDIZED										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-03 SHEET NO. 2 OF 7

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS CORE RECOVERY
25.0	25.1	RHYODACITE DYKE										
		AS 24.4 – 24.6										
		– NO DISTINCT CONTACTS										
25.1	29.6	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										70%
		AS 8.8 – 24.4										
		– EXTREME OXIDATION										
		– INTENSE LIMONITIC & HEMITITIC ALTERATION										
		– YELLOWISH BROWN TO PURPLISH RED										
		– TEXTURE PRIMARILY RUBBLE										
		27.6 – 3MM QTZ STRINGER – 45° TO L.C.A.	34195		26.7	27.3	0.6					
		– GREYISH WHITE	196		27.3	27.7	0.4					
		– HEAVILY LIMONITIC ON H.W. CONTACT										
29.6	30.8	DACITE DYKE BRECCIA ZONE										
		– 10% – 15% VERY FINE GRAINED, WEAKLY SILICIOUS, DARK GREY ANGULAR CHUNKS, UP TO 30 MM IN AN INTENSLY FRACTURED SYENITE PORPHYRY	197		29.6	30.8	1.2					90%
		– FRACTURES CONTAIN EP. MINOR CARBONATE										
		– MODERATE TO INTENSE EP. REPLACEMENT OF PLAG.										
		– MODERATE CHL. ALT. OF HB										
		– HEAVILY LIMONITIC										
		– WEAKLY MAGNETIC										
30.8	32.1	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										
		– EXTREMELY OXIDIZED										
		– INTENSE LIM & HEM ALT.										
		– MODERATE EP. IN FRACTURES & REPLACING PLAG.										
		– WEAK CHL. ALT. OF H.B.										
		– BROWNISH RED RUBBLE										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-03 SHEET NO. 3 of 7

REMARKS _____

LOGGED BY A BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
32.1	32.2	RHYODACITE DYKE - FINE TO MEDIUM GRAINED - MODERATLY SILICIOUS - GREY - WEAKLY MAGNETIC - NO DISTINGUISHABLE CONTACTS										
32.2	34.9	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - PRIMARILY UNALTERED, FRESH - WEAK FINE EPIDOTE FILLED FRACTURES & MINOR EP. REPLACEMENT OF PLAG. - WHITISH PINK - TRACE MAGNETITE										
34.9	35.9	RHYODACITE DYKE - MEDIUM GRAINED - MODERATLY SILICIOUS - WHITISH GREY, MINOR LIMONITE ON FRACTURES - WEAKLY MAG. - UPPER CONTACT (H.W.) 25° TO L.C.A. (NO CHILL MARGINS)										
35.9	48.1	SYENITE FELDSPAR/HORNBLENDE PORPHYRY AS 8.8 - 24.4 COARSE GRAINED 36.3 - 37.4 - EXTREMLY OXIDIZED & LIMONITICALLY ALTERED - WEAKLY SERICITIC - YELLOWISH BROWN RUBBLE 37.2 - 20MM QTZ. VN. - 30° TO L.C.A. - GREYISH WHITE - LIMONITE ON F.W. CONTACT.	198 199		36.3 36.9	36.9 37.4	0.6 0.5					95%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-03 SHEET NO. 4 OF 7

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		39.9 – 40.8 – WEAK BRECCIATED ZONE – QTZ & EP. FILLED FRACTURES MINOR CO_3 – FRACTURES RUN 30° – 45° TO L.C.A.	200		39.9	40.9	1.0					
			201		40.9	41.5	0.6					
		41.0 – 41.5 – EXTREME OXIDIZATION & LIMONITE ALTERATION – YELLOW BROWN RUBBLE										
		44.4 – 48.1 – EXTREME OXIDATION & LIM. HEM. ALT. – WEAKLY SERICITIC IN MORE COMPETENT CORE – TRACE TO 1% FINE DISSEMINATED MAG. – WEAKLY MAGNETIC.	202		44.4	45.4	1.0					
			203		45.4	46.4	1.0					
			204		46.4	47.4	1.0					
			205		47.4	48.1	0.7					
48.1	50.4	RHYOLITE FLOW? DYKE?	206		48.1	49.3	1.2					
		– VERY FINE GRAINED, CONCOIDAL FRACTURES – EXTREMELY SILICIOUS, NON CALCAREOUS – BEIGE WITH LIMONITE ON FRACTURE SURFACES – H.W. CONTACT EXHIBITS STRONGER DARKER BANDS (FLOW BANDS?) – 20° – 35° TO L.C.A. – FRESH SURFACES DISPLAY MANGANESE DENDRITES TO 10MM – NON MAGNETIC	207		49.3	50.4	1.1					
50.4	54.2	SYENITE FELDSPAR/HORNBLENDE PORPHYRY	208		50.4	51.4	1.0					
		– INTENSE OXIDATION THROUGH OUT – INTENSE LIM & HEM ALTERATION – WEAKLY SERICITIC – MINOR BRECCIATION – YELLOW BROWN TO REDDISH BROWN – PRIMARILY RUBBLE TO CLAY	209		51.4	52.4	1.0					
			210		52.4	53.4	1.0					
			211		53.4	54.4	1.0					

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. C-03 SHEET NO. 5 OF 7

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
54.2	75.6	DACITE FELDSPAR PORPHYRY										100%
		- COARSE GRAINED - 60%-70% WHITE FELDSPARS - 1MM-6MM										
		- DARK MATRIX - WEAKLY SILICIOUS										
		- WEAK TO MODERATELY CALCAREOUS										
		- OCCASSIONAL CARBONATE STRINGER TO 6MM - 10°-30° TO L.C.A.										
		- LOCAL LIMONITIC FRACTURE SURFACES										
		- LOCAL SMALL INTENSELY OXIDIZED AREAS										
		- WEAKLY WEATHERED CORE DISPLAYS FELDSPARS CLEARLY										
		54.2-57.7 - H.W. CONTACT CHARACTERIZED BY A VERY COARSE GRAINED CALLITE (MINOR QTZ) STRINGER	212		54.4	55.4	1.0					
			213		55.4	56.4	1.0					
			214		56.4	57.7	1.3					
		- WHITE TO GREY										
		- 0°-5° TO L.C.A.										
75.6	78.4	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										
		- WEAK TO MODERATE OXIDATION										95%
		- WEAK LIM. ALT.										
		- MINOR FRACTURES FILLED WITH EP.										
		- 10% - 15% EP. REPLACEMENT OF PLAG.										
		- 60% - 80% CHL. REPLACEMENT OF HB.										
78.4	87.5	DACITE FELDSPAR PORPHYRY										
		- AS 54.2 - 75.6										
		- AREAS OF STRONG OXIDATION & LIMONITE ALT.										
		- WEAKLY MAGNETIC										
		- MODERATLY CALCAREOUS										
		- CARBONATE STRINGER ON H.W. CONTACT 20° TO L.C.A.										
		- 78.4 - 82.9 - STRONGLY OXIDIZED WITH LIM & HEM ALT.										
		- ORANGE										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-03 SHEET NO. 6 OF 7

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
		- 84.7 - 87.5 - STRONG CALCITE STRINGER WITH LOCAL QTZ - 20 MM - 50 MM WIDE - 0° - 10° TO L.C.A. - COARSE GRAINED - EUHEDRAL CALCITE X-TALS IN VUGS (10 MM - 20 MM)	215		84.7	85.7	1.0					
			216		85.7	86.7	1.0					
			217		86.7	87.7	1.0					
			218		87.7	88.7	1.0					
87.5	89.5	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										90%
		- INTENSE OXIDATION - INTENSE LIM & HEM ALT. - WEAKLY SERICITIC - 2% DISSEMINATED MAGNETITE - 88.2 - 88.5 - MINOR BRECCIATED ZONE - CARBONATE & BLACK MINERAL ? FRACTURE FILLING - WEAKLY MAGNETIC											
89.5	91.7	DACITE FELDSPAR PORPHYRY										95%
		- AS 54.2 - 75.6 - NO CARBONATE STRINGER ON CONTACTS - 89.5 - 91.0 - EXTREME OXIDATION & LIMONITE ALT. - ORANGE - BLOCKY RUBBLE - 91.0 - 91.7 - FRESH, UNOXIDIZED - 10% - 15% EP. REPLACEMENT OF PLAG - CHILL MARGIN CLEAR ON F.W., - 20° TO L.C.A.											
91.7	96.1	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										100%
		- FINE EP. FRACTURE FILLING, 10% EP REPLACEMENT OF PLAG. - 50% CHL. REPLACEMENT OF HORNBLENDE - MAFIC COMPONENT 50° TO L.C.A. 95.1 - 96.1 - BRECCIATED WITH LIMONITE & CARB. STRINGERS - DARK MINERAL PIECES (DYKE FRAGMENTS) - WEAK EP. FRACTURES, 20% EP. ALT OF PLAG.											

LANGRIDGES – TORONTO – 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-03 SHEET NO. 2 of 7

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
96.1	98.0	DACITE FELDSPAR PORPHYRY										100%
		– AS 54.2 – 75.6										
		– PRIMARILY UNOXIDIZED, FRESH										
		– 10% PLAG. ALT. TO EP.										
		– DARK GREY										
		– OCCASSIONAL LIMONITIC FRACTURE										
		– F.W. 30° TO L.C.A., NO NOTICABLE CHILL										
		– MODERATLY MAGNETIC										
98.0	100.8	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										100%
		AS 8.8 – 24.4										
		– UNOXIDIZED, MINOR LIMONITE ON FRACTURE SURFACES										
		– WEAK FINE EP. FILLED FRACTURES										
		– WEAK CHL. REPLACEMENT OF H.B.										
100.8	119.5	RHYODACITE FELDSPAR PORPHYRY										100%
		– COARSE GRAINED – EUHEDRAL FELDSPAR 1mm – 4mm 30%-40%										
		– SILICIOUS, PINKISH GREY										
		– MINOR FRACTURES, LIMONITE ON FRACTURE SURFACES										
		– PRIMARILY UNOXIDIZED										
		– WEAKLY MAGNETIC. WEAKLY CALCAREOUS										
		– 104.3 – 107.5 – WEAKLY OXIDIZED & LIMONITIC										
		– FELDSPARS MORE APPARENT										
		– PINKY-ORANGE										
		– 114.9 – 116.7 – WEAK EPIDOTE REPLACEMENT OF PLAG. 10%										
		END OF HOLE – 119.5 METERS										

LANGRIDGES – TORONTO – 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY: CARMACKS PROJECT - YUKON
HOLE NO. 87-04 LENGTH 72.2 METERS
LOCATION VICTORIA MTN.
LATITUDE 2+72.5N DEPARTURE 19+75E
ELEVATION ~1654 M AZIMUTH 340° DIP -50°
STARTED JULY 29/87 FINISHED AUGUST 1/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0 M	-50°	340°			
61 M	-50°	ACID			
	"				

HOLE NO. 87-04 SHEET NO. 1 OF 7
REMARKS CARON DD NQ

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERED
0	4.6	OVER BURDEN										76%
4.6	22.8	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - COARSE GRAINED - K-SPAR 5MM - 15MM - HORNBLENDE 2MM - 8MM - PLAGIOCLASE 3MM - 10MM - WHITISH PINK TO REDDISH PINK - LOCAL INTENSE OXIDATION WITH HEAVY LIMONITIC & HEMITITIC ALTERATION. - OXIDIZED ZONES YELLOW BROWN TO PURPLISH RED - LOCAL EPIDOTE REPLACEMENT OF PLAGIOCLASE - LOCAL FINE FRACTURES FILLED WITH EPIDOTE & CALLITE - LOCAL CHLORITE REPLACEMENT OF HORNBLENDE - MINERAL ALLIGNMENT OF HB. ± CHL 40°-50° TO L.C.A. - TRACE TO 1% MAGNETITE - WEAKLY MAGNETIC										
		6.7 - 7.8 - WEAK BRECCIA ZONE - 3%-5% QTZ, CARB. FRACTURES 1MM - 3MM WIDE - 3% FINE EP. FILLED FRACS. - MINOR SERICITATION - VERY WEAK LIM & HEM ALT. 8.3 - K-SPAR PEGMITE DYKLET - 15MM - COARSE GRAINED - PINK - 45° TO L.C.A.	34219		6.7	7.8	1.1					

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-04 SHEET NO. 2 OF 7

REMARKS _____

LOGGED BY A. DERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
		8.9 - 15.9 - CORE BADLY BROKEN - WEAKLY TO MODERATLY OXIDIZED - WEAK TO MODERATE HEM & LIM - LOCALLY UP TO 15% EP. ALT. OF PLAG. - LOCALLY MODERATE CHL. ALT OF HB.										60%
		- 11.3 - 11.5 - SILT SEAM - PURE WELL SORTED SILT, NO LARGE PARTICALS - BROWNISH GREY										
		- 14.1 - 15 MM WIDE BAND OF MANY FINE EP. FRACTURES - 70% EP. WITH MODERATE CARBONATE - 30° TO L.C.A.	34220		13.9	14.3	0.4					
		- 15.2 - 15.8 - AS 11.3 - 11.5 - SLIGHTLY COARSER										
		15.9 - 19.5 - CORE BADLY GROUND, RUBBLE - MODERATE TO INTENSE OXIDATION & LIM & HEM. ALT. - YELLOW ORANGE TO REDDISH BROWN	221		15.9	16.9	1.0					
			222		16.9	17.9	1.0					
			223		17.9	18.7	0.8					
		- 18.7 - 19.0 - LOCAL VERY INTENSE LIM & HEM ALT. - REDDISH PURPLE	224		18.7	19.0	0.3					
		- 18.8 - 3MM - 5MM QTZ STRINGER, GREY - FINE LIM. FILLED FRACTURES - 50° TO L.C.A.	225		19.0	19.5	0.5					
		- 19.8 - 5MM BAND OF FINE GRAINED CONCENTRATED HB. - 30% ALT TO CHL. - 20% PLAG ALT TO EP IN IMMIEDIATE AREA - 40° TO L.C.A.										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-04 SHEET NO. 3 of 7

REMARKS _____

LOGGED BY A. Berry

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
22.8	22.85	QTZ FLOODED SYENITE PORPHYRY	226		22.0	22.6	0.6					
		- 90% TRANSLUCENT GREY QTZ WITH LIMONITE FILLED FRACS.	227		22.6	23.0	0.4					
		- BROKEN CORE - NO APPARENT CONTACTS	228		23.0	24.0	1.0					
		- VERY WEAK CARBONATE	229		24.0	26.0	1.0					
22.85	22.9	- ANDESITE DYKE	230		25.0	25.4	0.4					
		- FINE GRAINED - 1%-3% .01mm-1mm DARK CLEAR QTZ xTALS.	231		25.4	26.4	1.0					
		- 2% .5mm-1.5mm EP FILLED AMYGDULES										
		- DARK GREY										
		- WEAKLY MAGNETIC										
		- NO APPARENT CONTACTS (BROKEN CORE)										
22.9	55.9	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										85%
		- AS 4.6 - 22.8										
		- LOCAL INTENSE OXIDATION										
		- LOCAL LIM. & HEM. ALT.										
		- LOCAL EP. ALT OF PLAG. & FINE EP. FILLED FRACTURES										
		- LOCAL CHL. ALT. OF HB.										
		- 23.8 - 24.1 - 20%-25% EP. REPLACING PLAG,										
		- NUMEROUS FINE EP. FILLED FRACTURES										
		- 25.1 - 25.2 - QTZ VEIN - 50 MM TRUE WIDTH										
		- APPEARS FLOODED - GRADATIONAL CONTACTS										
		- 20° - 30° TO L.C.A.										
		- TRANSLUCENT GREY.										
		- FINE FRACTURES WITH LIMONITE & EP										
		- WEAKLY HEMITITIC.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-04 SHEET NO. 4 of 7

REMARKS _____

LOGGED BY A Berry

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		-26.4 - 26.8 - SYENITE WITH A LACK OF HB ± CHL.	232		26.4	27.0	0.6				
		- SILICIOUS - WHITISH PINK.	233		27.0	28.0	1.0				
		- PRIMARILY K-SPAR, PLAG & QTZ	234		28.0	29.0	1.0				
		- 3% EP ALT OF PLAG.	235		29.0	30.0	1.0				
		- VERY WEAKLY MAGNETIC	236		30.0	31.0	1.0				
		29.8 - 31.9 - MODERATE TO INTENSE LIM ALT & OXIDATION	237		31.0	32.0	1.0				
		- WEAKLY SERICITIC									
		- BLOCKY GROUND - YELLOW BROWN									
		-30.7 - QTZ, CALC, PLAG. STRINGER									
		- WHITISH GREY									
		- TRUE WIDTH 10mm - 15mm - 10°-20° TO LCA.									
		-31.6 - 5mm CALCITE STRINGER									
		- WHITE									
		- 30° TO LCA.									
		33.4 - 33.5 - HEAVILY OXIDIZED, LIMONITE FILLED FRACTURE									
		- 20° TO LCA.									
		- CORE PRIMARILY UNALTERED & UNBROKEN									
		- WEAK EP FRACTURES.									
		36.5 - 36.6 - 3 FINE (2mm - 3mm) QTZ CARB STRINGERS	238		36.4	36.7	0.3				
		- ALL PARALLEL - 30° TO LCA.									
		- WEAK EP. ALT OF PLAG. IN WALL ROCK									
		38.9 - 39.5 - INTENSE OXIDATION & LIM & HEM ALT.	239		38.9	39.5	0.6				
		- HEAVY EP. ALT OF PLAG									
		- MODERATE CHL. ALT OF HB.									
		- BROWNISH RED - BLOCKY									

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY, _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-04 SHEET NO. 5 OF 7

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		40.6 - K-SPAR PEGMITITE DYKLET - PINK - 15MM TRUE WIDTH - 45° TO L.C.A.										
		43.3 - 44.2 - MODERATLY OXIDIZED, WEAKLY SERICITIC - WEAK TO MODERATE LIM & HEM ALT - BADLY BROKEN CORE RUBBLE - TRACE QTZ FRAGMENTS AT 43.4 & 43.8	240		43.3	44.3	1.0					
			241		44.3	45.3	1.0					
		44.2 - 48.9 - WEAKLY TO MODERATLY OXIDIZED & LIMONITIC - LOCAL MILD BRECCIATION WITH EP. & LIM FILLED FINE FRACTURES. - WEAK TO MODERATE EP. & CHL. ALT - BROWNISH YELLOW, BLOCKY										
-		45.35 - 10MM QTZ STRINGER - GREY - FINE FRACTURES WITH LIMONITE - 45° TO LCA	242		45.3	45.6	0.3					
			243		45.6	46.6	1.0					
-		48.0 - GREY QTZ FRAGMENTS UP TO 15MM - LIMONITE OF FRACTURE SURFACES - NO CONTACTS	244		46.6	47.6	1.0					
			245		47.6	48.1	0.5					
			246		48.1	48.9	0.8					
-		54.9 - 55.6 - STRONGLY HEM & LIM QTZ, CARB, SYENITE BRECCIA. - SILICIOUS MATRIX, 5% CARB. STRINGERS - TRACE - 1% FINE GRAINED Py - DARK PURPLISH RED - NO QTZ VIENS	247		54.9	55.9	1.0					

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY , _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 87-04 SHEET NO. 6 OF 7

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
55.9	59.0	AMYGDALOIDAL ANDESITE DYKE - BLEACHED - FINE TO MEDIUM FINE GRAINED - MASSIVE - LIGHT GREEN - BLEACHED TO YELLOW - LARGE 1mm - 5mm WELL ROUNDED CALCITE AMYDULES 3% - 7% - 1% - 2% SMALL CLEAR QTZ EYES .5mm - SOFT (SCRATCHES DEEPLY WITH KNIFE) - VERY STRONG QTZ, CARB VIENING ON CONTACTS 50-70mm T.W. - 20° TO LCA.										100%
59.0	61.2	BRECCIATED ANDESITE DYKE - 10% - 40% QTZ MATRIX - MODERATE LIMONITE ALTER. THROUGH OUT - LARGE 30 mm - 40 mm BROWNISH YELLOW ANGULAR ANDESITE FRAGS. - FRAGS DISPLAY NO AMYGDULES OF CALCITE OR QTZ EYES ALTHOUGH STILL RELATIVLY SOFT - VERY WEAKLY MAGNETIC	248		59.0	60.0	1.0					
			249		60.0	60.6	0.6					
			250		60.6	61.2	0.6					
			251		61.2	61.7	0.5					
			252		61.7	62.2	0.5					
			253		62.2	63.2	1.0					
			254		63.2	64.2	1.0					
61.2	64.9	SYENITE PORPHYRY BRECCIA - VERY SIMILAR TO 54.9 - 55.6 - 61.3 - 61.7 - QTZ VIEN - BLUISH GREY - TRUE WIDTH 300 - 350 MM, 40° - 45° TO LCA - 5% DARK RED HEM. PATCHES - FINE LIM + HEM FILLED FRACTURES 61.5 - 3 SPECKS VISIBLE MOLYBDENITE, MAY GIVE QTZ BLUE TINGE - TRACE TO 1% PY - VERY WEAKLY MAGNETIC - MINOR CARBONATE	255		64.2	65.2	1.0					80%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____

HOLE NO. _____ LENGTH _____

LOCATION _____

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH _____ DIP _____

STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. 82-04 SHEET NO. 7 OF 7

REMARKS _____

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
64.9	722	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - AS 4.6 - 22.8 - PRIMARILY UNALTERED - COMPETENT CORE. - LOCAL WEAK EP ALT OF PLAG. - LOCAL VERY WEAK OXIDATION & LIM ALT. - WEAKLY MAGNETIC - WEAK CARBONATE WITH EPIDOTE 722 METERS END OF HOLE										100%

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS YUKON
HOLE NO. 87-05 LENGTH 120.7 METERS
LOCATION VICTORIA MTN.
LATITUDE 4+50N DEPARTURE 21+00 E
ELEVATION ~ 1637 M AZIMUTH 340° DIP -45°
STARTED AUG 1/87 FINISHED AUG 5/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	340°			
120.4	-45°	ACID			

HOLE NO. 87-05 SHEET NO. 1 OF 9
REMARKS CARON DD NQ

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
0.0	4.6	OVER BURDEN										
4.6	26.45	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - COARSE GRAINED - K-SPAR 5-15MM - 20%-60% - PLAGIOCLASE 3-10MM - 20%-60% - HORNBLENDE 2-7MM - 30%-50% - UNALTERED - WHITISH PINK TO REDDISH PINK - OXIDIZED - YELLOWISH BROWN TO PURPLISH RED - LOCAL EPIDOTE ALTERATION OF PLAGIOCLASE AND VERY FINE FRACTURES FILLED WITH EPIDOTE - LOCAL CHLORITIZATION OF HORNBLENDE - LOCAL INTENSE OXIDATION WITH LIMONITE AND HEMATITE ALTERATION - WEAKLY MAGNETIC, TRACE MAGNETITE - VERY FINE CARBONATE FILLED FRACTURES - MAFIC MINERAL ALLIGNMENT 35°-55° TO L.C.A.										
		4.6-8.2 - INTENSE OXIDATION, HEAVY LIM & HEM ALT - BLOCKY TO RUBBLE - BROWNISH RED										30%
		8.2-15.8 - PRIMARILY UNALTERED SYENITE - WEAK EP. HAIRLINE FRAC. FILLING - WEAK 1%-3% EP, ALT. OF PLAG. - WHITISH PINK -12.7-12.85 - BAND OF MEDIUM GRAINED CONCENTRATED HORNBLENDE, VERY LITTLE CHL. ALT. - 35° TO L.C.A.										95%

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS – VICTORIA MTN

HOLE NO. 87-05 SHEET NO. 2 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	ASSAYS
		15.8 – 18.0 – INTENSE OXIDATION WITH HEAVY LIM. ALT. AND VERY HEAVY HEM. ALT.										60%
		– WEAK SERICITATION	34256		15.8	16.8	1.0					
		– INTENSE HAIRLINE FRACTURES FILLED WITH LIM.	257		16.8	17.4	0.6					
		– MOSTLY PURPLISH RED RUBBLE	258		17.4	18.4	1.0					
		17.3 – 17.4 – NUMEROUS GREY QTZ FRAGMENTS	259		18.4	19.4	1.0					
		– CONTAIN MANY FINE FRACTURES. WITH LIM.	260		19.4	20.4	1.0					
		– LARGEST IS 20 MM	261		20.4	21.4	1.0					
		– APPEARS TO BE QTZ FLOODING, A FAST YET GRADATIONAL CHANGE FROM SYENITE TO QTZ	262		21.4	22.4	1.0					
		– NO DISTINCT CONTACTS	263		22.4	23.4	1.0					
		– TRACE Py	264		23.4	24.4	1.0					
		– WEAK CO_3	265		24.4	25.4	1.0					
		18.0 – 26.45 – MODERATLY OXIDIZED, WEAKLY SERICITIC	266		25.4	26.4	1.0					
		– MODERATE LIM. & HEM. ALT.										
		– VERY FRACTURED WITH HEAVY LIM. IN FRACS WITH MINOR AMOUNTS OF CARBONATE.										85%
		– RELATIVELY COMPETENT TO BLOCKY										
		– BROWNISH RED.										
		– WEAKLY MAGNETIC										
		24.0 – 24.2 – INTENSLY HEMITIZED										
		– STRONGLY OXIDIZED										
		– REDDISH PURPLE										
26.45	26.85	ANDESITE DYKE – BLEACHED										
		– FINE GRAINED, RELATIVELY SOFT (SCRATCHES EASILY)										
		– LIGHT GREEN TO GREENISH BROWN ON CONTACTS										
		– 5% – 10% .1MM – 2MM ROUNDED BLACK PHENOCRYSTS (AMYGDULES?)										
		– 5% 1MM – 4MM CLAY ALT. PLAGIOCLASE AMYGDULES (WELL ROUNDED)										
		– VERY WEAKLY CARBONIC IN FRACTURES ONLY										
		– BROKEN SURFACES DISPLAY LIM & HEM.										
		– BOTH CONTACTS HEAVILY OXIDIZED										
		– H.W. AND F.W. ~ 20° – 25° TO LCA										
		– WEAKLY MAGNETIC										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS — VICTORIA MTN

HOLE NO. 87-05 SHEET NO. 3 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
26.85	29.5	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - AS 4.6 - 26.45 - ABUNDANT FINE FRACTURES - MODERATE TO INTENSE OXIDATION AND LIM. & HEM. ALT. - MODERATE SERICITE - PRIMARILY RUBBLE AND INCOMPETENT CORE	267		26.4	27.4	1.0					75%
		26.85 - 27.1 - INTENSLY LIMONITIC - YELLOW BROWN, MEDIUM GRAINED RUBBLE	268		27.4	28.1	0.7					
		28.6 - 28.7 - QTZ VIEN - GREY WITH FINE LIM. FILLED FRACTURES - TRUE WIDTH 60 MM - VERY DISTINCT CONTACTS 60° TO L.C.A. - NO SULFIDES, NO CARBONATE	269		28.1	28.6	0.5					
			270		28.6	28.9	0.3					
			271		28.9	29.5	0.6					
		28.7 - 28.85 - MODERATLY OXIDIZED SYENITE PORPHYRY - LARGE 10MM-15MM DARK PURPLE HEM. BLOTCHES - 25% - MANY FINE EPIDOTE & LIMONITE FILLED FRACTURES - CORE INCOMPETENT & ET INTACT										
		28.85 - 28.85 - QTZ VIEN - TRANSLUCENT GREY WITH FINE LIMONITIC FRACTURES. - TRUE WIDTH 50 MM - VERY DISTINCT CONTACTS 50° TO L.C.A. - MODERATE HEM. ON F.W. - NO SULFIDES, NO CARBONATE										
		28.85 - 28.95 - FRACTURE ZONE WITH A DISTINCT F.W. CONTACT. - FINE EPIDOTE & LIM. FILLED FRACTURES - 10% - 15% FINE TO MEDIUM GRAINED LINEAR BRIGHT APPLE GREEN MINERAL (FUCHSITE?) - 10% COARSE HEM. BLOTCHES - F.W. FRACTURE 30° TO L.C.A.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS – VICTORIA MTN

HOLE NO. 67-05 SHEET NO. 4 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	ASSAYS CORE RECOVERY
		28.9 – 29.5 – STRONGLY OXIDIZED SYENITE PORPHYRY – ABUNDANT LIMONITIC HAIRLINE FRACTURES – 20% LARGE 10MM–20MM HEM. BLOTCHES – CORE INCOMPETENT YET INTACT										
29.5	31.0	RHYOLITE DYKE										60%
		– VERY FINE GRAINED, VERY HARD (SILICIOUS)	272		29.5	30.2	0.7					
		– BIEGE	273		30.2	31.0	0.8					
		– MILDLY TO INTENSLY FRACTURED	274		31.0	32.0	1.0					
		– LIM & HEM ON FRACTURE SURFACES, FRESH BREAKS ARE CONCOIDAL AND CLEAN. SOME SURFACES DISPLAY MANGANESE DENDRITES UP TO 10 MM	275		32.0	33.0	1.0					
			276		33.0	34.0	1.0					
		– NON MAGNETIC										
		– NON CALCAREOUS										
31.0	48.95	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										95%
		– PRIMARILY UNALTERED										
		– WHITISH PINK TO RED										
		– LOCAL FINE EPIDOTE FILLED HAIRLINE FRACTURES										
		– LOCAL MINOR EPIDOTE REPLACEMENT OF PLAG.										
		– LOCAL CHLORITIZATION OF HORNBLENDE										
		31.0 – 34.9 – MILDLY OXIDIZED – ABUNDANT LIMONITIC HAIRLINE FRACTURES – 5% EP. ALT OF PLAG										
		43.3 – 43.8 – WEAKLY OXIDIZED – WEAK LIM. & HEM ALT. – TRACE SERICITE										
		44.0 – 46.3 – WEAK TO MODERATE EP. ALT OF PLAG. – WEAK CHL. ALT OF HB. – VERY FEW FRACTURES										
		46.3 – 48.95 – SLIGHT INCREASE IN LIMONITIC HAIRLINE FRACTURES – VERY MILD EP ALT. – WEARLY CARBONIC										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS – VICTORIA MTN.

HOLE NO. 87-05 SHEET NO. 5 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ TON	CORE RECOVERY
48.95	49.4	ANDESITE DYKE – FINE GRAINED, DARK GREEN – 10% VERY FINE BLACK AMYGDULES – ALTERED TO WHITE IN F.W. CHILL ZONE, COLOUR ALTERS TO LIGHT GREEN – WEAK CARBONATE IN HAIRLINE FRACTURES – WEAKLY MAGNETIC – BOTH CONTACTS DISTINCT & OXIDIZED WITH LIM. ALT – F.W.: & H.W. 30° TO L.C.A.										
49.4	50.6	SYENITE FELDSPAR / HORNBLENDE PORPHYRY – WEAKLY LIMONITIC & SERICITIC – EPIDOTE IN FRACTURES AND REPLACING PLAG – 10% – WEAK CHL. ALT. OF HB. – MAFIC ALLIGNMENT 50° TO L.C.A.										
50.6	50.7	ANDESITE DYKE – EXTREMLY OXIDIZED WITH LIMONITE ALT. – NO FRESH ROCK – NO DISTINCT CONTACTS – YELLOW BROWN										
50.7	82.4	SYENITE FELDSPAR / HORNBLENDE PORPHYRY – PRIMARILY ONLY WEAK EPIDOTE ALTERATION OF PLAG. – UNOXIDIZED, LIMONITE ONLY IN FRACTURES 67.7 – 73.5 – CHARACTERIZED BY THIN ELONGATED HORNBLENDE XTAL 3MM – 10MM LONG – VARY FROM 45° TO 60° TO L.C.A. – WEAK EDIDOTE ALT. OF PLAG. – MINOR FINE EPIDOTE FILLED FRACTURES – WHITISH PINK – WEAKLY MAGNETIC										100%

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS - VICTORIA MTN

HOLE NO. 87-05 SHEET NO. 6 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	
		75.0 - 75.1 - BAND OF VERY COARSE GRAINED EUHEDRAL HORNBLENDE XTALS - 10 - 12 MM - 90% HB. - 10% FELDSPAR - 60° TO L.C.A., WEAKLY MAGNETIC										
		77.9 - 78.1 - AS 75.0 - 75.1 - 75% HB - 25% PLAG, LOSS OF K-SPAR IN CENTER OF CONCENTRATION - NO DISTINCT CONTACTS - GRADATIONAL. - TRACE Py										
		79.2 - 79.3 - AS 75.0 - 75.1 - 75% HB - 25% FELDSPAR - WEAK EP. ALT OF PLAG. - F.W. HOLDS 10 MM BAND OF K-SPAR - 60° TO L.C.A.										
82.4	83.9	ANDESITE DYKE - FINE GRAINED MATRIX - DARK GREEN - 1 MM - 3 MM CARB. ALT. AMYGDULES - 5% - NUMEROUS CARB. FILLED HAIRLINE FRACTURES - 5-10% SMALL BLACK PHENOCRYSTS - APPEAR EUHEDRAL - CLASSIC CHILL MARGINS - H.W. 30° TO L.C.A. - F.W. 20°-25° TO L.C.A. - LIMONITIC										
83.9	84.3	SYENITE FELDSPAR / HORNBLENDE PORPHYRY (BRECCIA ?) - INTENSE OXIDATION & LIM / HEM ALT. - VERY QTZ RICH - APPEARS BRECCIATED - NO VIENS OR STRINGERS - HOST ROCK CRUMBLES - QTZ COMPETENT - RUSTY ORANGE - WEAKLY MAGNETIC & WEAKLY CARBONIC	277		83.9	84.3	0.4					

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS – VICTORIA MTN

HOLE NO. 87-05 SHEET NO. 7 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	CORE RECOVERY
84.3	87.2	ANDESITE DYKE										90%
		– SIMILAR TO 82.4 – 83.9										
		– CARBONIC FRACTURES & AMYGDULES										
		– LIMONITIC H.W. 30°–35° TO LCA										
		– WEAKLY MAGNETIC										
87.2	90.3	SYENITE FELDSPAR/HORNBLENDE PORPHYRY	278		87.2	88.2	1.0					
		– INTENSE OXIDATION – INTENSE LIM & HEM ALT.	279		88.2	89.2	1.0					
		– BLOCKY TO RUBBLE BROWNISH RED	280		89.2	90.3	1.0					
		87.2 – 87.5 – CONTACT WITH DYKE INDISTINCT										
		– 20 CM MODERATE OXIDATION										
		– 10%–15% EPIDOTE ALT. OF PLAG										
		87.5 – 90.3 – EXTREME OXIDATION & LIM/HEM ALT										
		– MILDLY CARBONIC										
		– WEAKLY MAGNETIC										
		89.6 – 20 MM QTZ BLEB, NO VEIN										
		– GREY WITH LIMONITIC FRACTURES										
90.3	97.7	ANDESITE DYKE										
		– SIMILAR TO 82.4 – 83.9										
		90.3 – 94.4 – VERY BRITTLE, LOTS OF FRACTURES & CAVITIES(?) TO 10 MM										
		– MILDLY OXIDIZED – DARK GREEN										
		– FRACTURES DISPLAY LIM & HEM										
		– F.W. DISPLAYS WEAK RED HEM STAIN – 180 MM										
97.7	99.4	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										
		– PRIMARILY UNALTERED										
		– WEAK EP. ALT OF PLAG										
		– WEAK CHL ALT OF HB.										
		– LIMONITE IN FINE HAIRLINE FRACTURES										
		– MILD CARBONATE IN FRACTURES										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS - VICTORIA MTN

HOLE NO. 87-05 SHEET NO. 8 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ TON	ASSAYS
99.4	101.5	ANDESITE PORPHYRY DYKE - UNALTERED - DARK GREEN - 4% TO 7% 1MM-2MM PLAGIOCLASE PHENOCRYSTS - 5% TO 10% SMALL BLACK PHENOCRYSTS - NO AMYGDULES - VERY FINE CARBONATE FRACTURES - WEAKLY MAGNETIC										
101.5	120.7	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - UNOXIDIZED, WEAK TO MODERATE EPIDOTE ALT.										100%
		- 102.9 - 105.6 - MODERATLY BRECCIATED, 10% DARK MATRIX	281		102.9	103.9	1.0					
		- WEAKLY SERICITIC	282		103.9	104.9	1.0					
		- VERY LITTLE LIM OR HEM	283		104.9	105.6	0.7					
		- UP TO 30% LOCAL EPIDOTE - 1% - 3% CARBONATE FILLED FRACTURES - WEAKLY MAG.										
		- 105.6 - 120.7 - K-SPAR MEGACRYSTS DEVELOP DIRECTLY BELOW BRECCIA ZONE - EUHEDRAL - 10MM - 30MM - MINOR TO WEAK EP & CHL ALT - SOME EP & CARB IN FRACTURES - OXIDATION & LIM/HEM ALT. IS VIRTUALLY NIL.										
		107.3 - 20 MM ZONE OF CONDENSED HAIRLINE FRACTURES - 30% EPIDOTE, WEAKLY CARBONIC - 40° TO L.C.A.										
		119.0 - 5MM WHITE QTZ STRINGER - 1% - 3% FINE GRAINED PY - 40% EP STRINGER ZONE (AS 107.3) ON HW, - 45° TO L.C.A.	34284		118.9	119.2	0.3					

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS - VICTORIA MTN

HOLE NO. 87-05 SHEET NO. 9 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		119.5'-120.7 – CORE FOLLOWING CONTACT BETWEEN AN ANDESITE PORPHYRY DIKE AND SYENITE FELDSPAR PORPHYRY. – VERY LARGE K-SPAR MEGACRYSTS - APPROX 10%. – MILD EPIDOTE ALT. IN A MARGINALLY CHILLED ANDESITE PORPHYRY - AS 99.4 -101.5' – DISTRIBUTION IN CORE ABOUT 50%-50% – 0° TO L.C.A. END OF HOLE 120.7 METERS 396 FEET.										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS YUKON
HOLE NO. 87-06 LENGTH 89.0 METERS
LOCATION VICTORIA MTN
LATITUDE 6+70 N DEPARTURE L 21+00 E
ELEVATION ~ 1588 M AZIMUTH 340° DIP -45°
STARTED AUG 5/87 FINISHED AUG 9/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	340			
		"			

HOLE NO. 87-06 SHEET NO. 1 of 3
REMARKS CARON DD NQ
HOLE LOST TO CAVE

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
0	6.7	OVERBURDEN										
6.7	13.1	RHYODACITE FELDSPAR PORPHYRY - FINE GRAINED MATRIX - SILICIOUS - GREY - 40% - 2MM EUHEDRAL (ALMOST SQUARE) PLAGIOCLASE PHENOCRYSTS - 5%-10% FINE GRAIN HORNBLENDE - LOCAL MODERATE TO INTENSE OXIDATION & LIMONITE ALTERATION - LOCAL WEAK TO MODERATE PROPYLITIC ALTERATION - WEAK TO MODERATLY MAGNETIC - NON CALCAREOUS - NO APPARENT SULFIDES										70%
13.1	14.0	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - COARSE GRAINED - RUSTY BROWN - MODERATLY OXIDIZED AND LIMONITICALLY ALTERED - WEAKLY BRECCIATED WITH LOTS OF LIMONITE FILLED FINE HAIRLINE FRACTURES - WEAKLY MAGNETIC - NON CALCAREOUS	34285		13.1	14.0	0.9					
14.0	22.9	RHYODACITE FELDSPAR PORPHYRY - SIMILAR TO 6.7 - 13.1 - PRIMARILY INTENSLY OXIDIZED & LIMONITICALLY ALTERED - INCOMPETENT - CRUMBLY, TO RUBBLE - GREY TO YELLOWISH BROWN										

LANGRIDGES – TORONTO – 366-1168
FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-06 SHEET NO. 2 OF 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ TON	CORE RECOVERY
22.9	26.4	(RHYO?) DACITE FELDSPAR / HORNBLENDE PORPHYRY - FINE GRAINED MATRIX - - LARGE 3 MM - 6 MM HORNBLENDE EUHEDRAL PHENOCRYSTS 20% - 40% EQUIGRANULAR (2MM) SQUARE WHITE EUHEDRAL FELDSPAR PHENOCRYSTS - MODERATLY OXIDIZED - BROWNISH RUBBLE TO BLOCKY - WEAK EPIDOTE IN FRACTURES - WEAKLY MAGNETIC - NON CALCAREOUS										80%
26.4	38.6	RHYODACITE FELDSPAR PORPHYRY SIMILAR TO 6.7 - 13.1 - LOCAL EXTREME OXIDATION - 26.4 - 32.5 - EXTREME OXIDATION & LIMONITIC ALTERATION - FELDSPAR CLEARLY VISIBLE IN LESS OXIDIZED AREAS - YELLOWISH BROWN RUBBLE 32.5 - 38.6 - PRIMARILY UNOXIDIZED TO WEAKLY OXIDIZED - LOCAL LIMONITE FILLED FRACTURES 50° TO LCA. - NON CALCAREOUS - NON MAGNETIC - NO DISTINCT CONTACTS										80%
38.6	75.8	(RHYO?) DACITE FELDSPAR / HORNBLENDE PORPHYRY AS 22.9 TO 26.4 - FRESH UNOXIDIZED THROUGH OUT - FINE GRAINED MATRIX - HARD, PINK - K-SPAR - LARGE 3MM - 10MM EUHEDRAL HORNBLENDE PHENOCRYSTS 15% - 25% - APPROX 40% EQUIGRANULAR EUHEDRAL PLAGIOCLASE PHENOCRYSTS - WHITISH GREY - LOCALLY VERY WEAKLY PROPYLITICALLY ALTERATED										100%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-06 SHEET NO. 3 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	CORE RECOVERY
		- NON CALCAREOUS - WEAKLY MAGNETIC - A VERY HOMOGENIOUS UNIT - NO NOTICABLE CHANGE FROM H.W. (NO CHILL, DISCOLOURATION) - F.W. CONTAINS A "BRECCIA ZONE" - H.W. DESTROYED F.W. 30° TO LCA.										
		74.1 - 75.8 - BRECCIATED F.W. CONTACT ZONE	286		74.1	75.1	1.0					
		- FINE BLACK HAIRLINE FRACTURES	287		75.1	75.8	0.7					
		- MODERATE TO INTENSE OXIDATION - HEMITITIC AT 74.1 REDDISH GRADING TO LIMONITIC THROUGH OUT			-							
		75.8 - 3mm QTZ STRINGER DIRECTLY ON F.W. CONTACT (30° TO LCA)	288		75.8	76.3	0.5					
75.8	82.1	RHYODACITE FELDSPAR PORPHYRY - SIMILAR 6.7 - 13.1 - SILICIOUS FINE GRAINED MATRIX - GREY - H.W. HEMITITICALLY ALTERED (RED) - OCCASSIONAL CARBONATE / LIMONITE FILLED FRACTURES - VERY NOTICABLE FELDSPARS NEAR FRACTURES										85%
82.1	89.0	SYENITE FELDSPAR PORPHYRY (BRECCIA)	289		82.1	83.1	1.0					95%
		- K-SPAR MEGACRYITS 10% - 15% - 10mm - 20mm EUHEDRAL	290		83.1	84.1	1.0					
		- NO HORNBLENDE LEFT. ALTERED TO LIGHT GREEN CHLORITE OR LIMONITE	291		84.1	85.1	1.0					
		- MODERATLY OXIDIZED THROUGH OUT	292		85.1	86.1	1.0					
		- WEAKLY TO MODERATLY BRECCIATED WITH HAIRLINE ± EPIDOTE ± CALCITE ± LIMONITE FILLED FRACTURES	293		86.1	87.1	1.0					
		- WEAKLY SERICITIC	294		87.1	88.1	1.0					
		- WEAKLY MAGNETIC	34295		88.1	89.0	0.9					
		E.O.H. 89.0 METERS - 296' NOTE - HOLE LOST TO CAVE NEAR COLLAR. - THE DRILL STARTED A NEW HOLE WHILE REAMING RODS DOWN.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS YUKON
HOLE NO. 87-07 LENGTH 139.3 METERS
LOCATION VICTORIA MTN
LATITUDE 8+40 N DEPARTURE 20+95 E
ELEVATION ~ 1560 M AZIMUTH 340° DIP -45°
STARTED AUG 9 /87 FINISHED AUG 13 /87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	340°			
139.7	-41°	AZIM			

HOLE NO. 87-07 SHEET NO. 1 OF 6
REMARKS CARON DD NQ

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
0	4.6	OVER BURDEN										
4.6	29.7	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - COARSE GRAINED - UP TO 30% K-SPAR MEGACRYSTS 15MM TO 20MM - HORNBLENDE RANGES FROM 1MM TO 6MM - MINERAL ALLIGNMENT NOTICEABLE IN HORNBLENDE 60°-70° TO LCA. - GREYISH PINK TO (OXIDIZED) YELLOWISH BROWN - WEAKLY TO MODERATLY OXIDIZED THROUGH OUT. - PRIMARILY LIMONITE & EPIDOTE ALTERATION, VERY LITTLE HEMITITE. - NON CALCAREOUS - (VERY WEAK LOCALLY WITH EPIDOTE) - WEAKLY MAGNETIC 4.6 - 18.9 - MEDIUM GRAINED, CLAYISH RUBBLE (MOLDS EASILY) - LOCALLY BLUEISH GREY. USUALLY YELLOWISH BROWN - FELDSPARS STILL APPARENT AS WHITE AREAS (2MM-3MM) - PRIMARILY LIMONITE ALTERATION - NON CALCAREOUS			Plot	0 50 100		- 45° - 43 - 41				75%
29.7	35.1	ANDESITE DYKE - BLEACHED - FINE GRAINED - RELATIVELY SOFT. - EXTREME BLEACHING - CHALK WHITE TO LIGHT YELLOWISH GREEN - INCOMPETENT - CRUMBLES EASILY IN HAND - VIRTUALLY NON MAGNETIC (VERY WEAK) - NON CALCAREOUS - H.W. CONTACT - 30° TO L.C.A. - MODERATLY LIMONITIC - INDISTINGUISHABLE F.W.	34296		29.2	30.2	1.0					90%

LANGRIDGES – TORONTO – 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-07 SHEET NO. 2 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	CORE RECOVERY
35.1	78.7	RHYODACITE FELDSPAR PORPHYRY - FINE GRAINED MATRIX - SILICIOUS - HARD - GREY - APPROX 40% SUBHEDRAL TO EUHEDRAL EQUIGRANULAR (2MM) PLAGIOCLASE PHENOCRYSTS. - THESE ARE VERY APPARENT ON NORMALLY WEATHERED SURFACES & AREAS - SMALL SUBHEDRAL HORNBLENDE, .05 MM - 10% - NO APPARENT SULFIDES - MODERATLY MAGNETIC - NON CALCAREOUS - LOCAL WEAK EPIDOTE REPLACEMENT OF PLAGIOCLASE 41.8 - 45.3 - BROKEN CORE, COMPETENT PIECES TO 5 CM - BLOCKY NOT RUBBLE 51.8 - 52.4 - VERY WEAK HEMITITE DISCOLOURATION - PINKISH GREY - EUHEDRAL PLAGIOCLASE PHENOCRYSTS VERY APPARENT 45%										95%
78.7	84.4	RHYOLITE DYKE - VERY FINE GRAINED, "CHERTY", VERY SILICIOUS, HARD - GREENISH BEIGE TO REDDISH PINK - BOTH CONTACTS DESTROYED - VIRTUALLY NON MAGNETIC, NON CALCAREOUS - OCCASSIONAL DISPLAY OF MANGANESE DENDRITE, BUT NOT COMMON 79.8 - 81.7 - BRECCIA ZONE - GENERALLY WEAK; STRONGEST AT UPPER & LOWER "CONTACTS" - CONTACTS INDISTINCT - FRAGMENTS GET SMALLER NEAR "CONTACTS" - WEAKLY MAGNETIC & WEAKLY TO MODERATLY CALCAREOUS ALSO AT "CONTACTS" - DARK GREY MATRIX 83.45 - 20 MM X 30 MM QTZ BLEB - GREYISH WHITE - NO SULFIDES - 10% - 15% PLAGIOCLASE	297 298 299 300 301 302 303		78.7 79.8 80.8 81.7 82.7 83.3 83.6	79.8 80.8 81.7 82.7 83.3 83.6 84.4	1.1 1.0 0.9 1.0 0.6 0.3 0.8					90%

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-07 SHEET NO. 3 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	CORE RECOVERY
84.4	111.8	SYENITE FELDSPAR / HORNBLENDE PORPHYRY	304		84.4	85.4	1.0					90%
		- COARSE GRAINED - EUHEDRAL K-SPAR MEGACRYSTS TO 15 MM, 20%-30%										
		- EUHEDRAL HORNBLENDE 1MM-4MM 30%-60%										
		- PINK TO DARK RED										
		- WEAK TO MODERATE LOCAL EPIDOTE & CHLORITE ALTERATION										
		- WEAKLY CALCAREOUS PRIMARILY AROUND EPIDOTE REPLACEMENT OF PLAG. AND LIMONITIC HAIRLINE FRACTURES										
		- WEAKLY MAGNETIC THROUGHOUT, TRACE MAGNETITE										
		- LOCAL INTENSE OXIDATION WITH LIMONITE & HEMITITE ALTERATION										
		- TEXTURE TURNS TO RUBBLE - YELLOWISH BROWN TO PURPLISH RED										
		88.6 - 88.7 - BRECCIATED AREA CENTERED AROUND A 3MM LIMONITE / CALCITE VIENLET - FRACTURE FILLING	305		88.5	88.8	0.3					
		- VERY CALCAREOUS	306		88.8	89.8	1.0					
		- WEAKLY MAGNETIC	307		89.8	90.8	1.0					
		- FINE DARK MATRIX	308		90.8	91.3	0.5					
		- 30° TO L.C.A.										
		88.9 - 91.2 - INTENSE OXIDATION										
		- INTENSE LIMONITE & HEMITITE ALT.										
		- YELLOWISH BROWN TO PURPLISH RED										
		- INCOMPETENT (EASILY BROKEN), TO RUBBLE										
		- NONCALCAREOUS THROUGHOUT										
		95.6 - 95.9 - MILDLY BRECCIATED	309		95.5	96.0	0.5					
		- DARK HARD MATRIX - SILICIOUS	310		96.0	97.0	1.0					
		- TRUE WIDTH 50MM - 60MM ~ 10° - 20° TO LCA	311		97.0	98.0	1.0					
		- NONCALCAREOUS										
		- MODERATLY MAGNETIC										
		- NO VISIBLE SULFIDES										
		95.9 - 98.2 - VERY WEAK BRECCIA										
		- HAIRLINE FRACTURES WITH LIMONITE & EPIDOTE										
		- NONCALCAREOUS										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-07 SHEET NO. 4 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	ASSAYS CORE RECOVERY
		98.2 – 98.4 – SILICIFIED ZONE, APPEARS FLOODED	312		98.0	98.5	0.5					
		– GREENISH WHITE QTZ – ALMOST SHOWS LINEATION	313		98.5	99.0	0.5					
		– TRUE WIDTH 30 MM – 20° TO LCA										
		– MINOR FAULT THRU CENTER DISPLAYS 15MM DISPLACEMENT										
		– NON CALCAREOUS										
		– NO VISIBLE SULFIDES										
		102.2 – 104.7 – BRECCIA ZONE										
		– WEAK TO MODERATE EPIDOTE REPLACEMENT	314		102.2	103.2	1.0					
		– MODERATE HAIRLINE FRACTURES FILLED WITH EP. & LIM.	315		103.2	103.8	0.6					
		– LOCAL INTENSE HEMITITE ALTERATION	316		103.8	104.1	0.3					
			317		104.1	104.7	0.6					
		103.8 – 104.1 – INTENSE BRECCIATION										
		– 80% DARK CALCITIC MATRIX (SCRATCHES EASILY)										
		– INTENSE HEMITITE DISCOLOURATION										
		– PURPLISH RED										
		104.1 – 104.7 – PURPLISH RUBBLE – CLAY LIKE										
		108.9 – 109.3 – BRECCIA ZONE – WEAK										
		– WEAK TO MODERATE FINE EPIDOTE FRACTURE FILLING	318		108.9	109.3	0.4					
		– ABUNDANCE OF K-SPAR MEGACRYSTS – 30% – ELONGATED & SHOW MINERAL LINEATION 60° TO LCA.										
		– MODERATLY MAGNETIC										
		– WEAK CARBONATE IN HAIRLINE FRACTURES – WITH EP.										
111.8	112.9	RHYODACITE DYKE	319		111.8	112.9	1.1					90%
		– FINE GRAINED VERY SILICIOUS – CHERTY										
		– RED TO DARK GREENISH RED										
		– LIMONITE & HEMITITE ON BROKEN SURFACES										
		– WEAKLY MAGNETIC										
		– NO CARBONATE EXCEPT –										
		– F.W. BRECCIATED WITH 10% EPIDOTE – VERY WEAK CARBONATE IN FINE HAIRLINE FRACTURES										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-07 SHEET NO. 5 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	CORE RECOVERY
112.9	121.7	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - 20% - 30% LARGE K-SPAR PHENOCRYSTS, EUHEDRAL, 10MM - 25MM - 40% - 60% HORNBLENDE FINE TO COARSE, SUB TO EUHEDRAL. - RED - POTASSIC ALTERATION OF OTHER FELDSPARS - WEAK EPIDOTE AND LIMONITE ALTERATION THROUGH OUT - WEAKLY TO MODERATLY MAGNETIC - WEAKLY CALCAREOUS ONLY IN HAIRLINE FRACTURES										95%
121.7	125.4	RHYODACITE DYKE - VERY FINE GRAINED SILICIOUS MATRIX - WEAKLY PORPHYRITIC < 10% SUBHEDRAL FELDSPAR PHENOCRYSTS < 2MM - REDDISH TO GREENISH - BLACK CHILLED CONTACTS - M.W. 70° TO L.C.A., F.W. 25° TO L.C.A. - FINE FRACTURES CONTAINING LIMONITE, HEMITITE & WEAK CARBONATE - VIRTUALLY NON MAGNETITIC										95%
125.4	126.2	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - SIMILAR TO 112.9 - 121.7 - POTASSIC - VERY LITTLE WHITE FELDSPAR - WEAK TO MODERATE EPIDOTE ALT. - HAIRLINE TO FINE LIMONITE & CARBONATE FILLED FRACTURES - MODERATLY MAGNETIC 125.8 - 125.9 - UP TO 20% EPIDOTE REPLACEMENT ALT. - INCREASE IN FRACTURES - STILL VERY FINE	34320		125.4	126.4	1.0					80%
126.2	131.3	RHYODACITE (PORPHYRY) DYKE - SIMILAR TO 121.7 - 125.4 - M.W. CHILLED, BLACK - CONTAINS NUMEROUS LIMONITIC CARBONATE FRACTURES - 20° TO L.C.A. - INTERIOR BIEGE GREEN CONSISTENT DOWN TO F.W.										90%

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-07 SHEET NO. 6 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	ASSAYS CORE RECOVERY
		- NO APPARENT F.W. CONTACT, NO CHILLING - 20% SLIGHTLY VISIBLE SUBHEDRAL FELDSPAR PHENOCRYSTS < 2 MM - NON MAGNETIC - LOCAL HAIRLINE FRACTURES WITH LIMONITE & HEMITITE										
131.3	137.0	SYENITE FELDSPAR / HORNBLENDE PORPHYRY - SIMILAR TO 112.9 - 121.7 - POTASSIC - NO WHITE FELDSPAR - WEAKLY FRACTURED (HAIRLINE) LIMONITE, CALLITE & EPIDOTE FILLING - MINOR EPIDOTE REPLACEMENT OF FELDSPAR 136.4 - 137.0 - 1.0 MM CARBONATE STRINGER WITH LIMONITE - RUNS 0° TO L.C.A. (PARALLEL TO CORE) DOWN TO F.W. CONTACT - F.W. - 70° TO L.C.A.										95%
137.0	139.3	RHYODACITE (PORPHYRY) DYKE - SIMILAR TO 121.7 - 125.4 - REDDISH AT H.W. WEAK CHILL MARGIN CONTAINS A FEW FINE CARBONATE / LIMONITE STRINGERS - SILICIOUS - 20% SLIGHTLY VISIBLE SUBHEDRAL FELDSPAR PHENOCRYSTS < 2MM - LIGHT ORANGY GREEN - VERY WEAKLY MAGNETIC - WEAKLY CALCAREOUS - ONLY IN HAIRLINE FRACTURES & AT H.W.										95%
		END OF HOLE 139.3 METERS 457 FEET										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARNACKS (Yukon)
HOLE NO. 87-08 LENGTH 177.2 METERS
LOCATION VICTORIA MTN
LATITUDE 7+42N DEPARTURE 1 21+00 E
ELEVATION ~ 1579 M AZIMUTH 340° DIP -45°
STARTED AUG 13 /87 FINISHED AUG 17 /87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0°	-45°	340°			
177.2	-43°	ACID			

HOLE NO. 87-08 SHEET NO. 1 OF 6
REMARKS CARON DD N.Q.

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	6.7	OVER BURDEN									
6.7	8.2	RHYODACITE PORPHYRY - FINE GRAINED, SILICIOUS - REDDISH, ORANGE - MODERATLY OXIDIZED & LIMONITICALLY ALTERED - NON CALCAREOUS, WEAKLY MAG. - RUBBLE, NO CONTACTS		Pl	0	45°					
8.2	10.4	SYENITE PORPHYRY - INTENSE OXIDATION & LIM ALT. - RUBBLE TO SANDY - YELLOWISH ORANGE - NON CALC., WEAKLY MAG. - NO CONTACTS			100	43°					
10.4	11.8	RHYODACITE PORPHYRY - AS 6.7-8.2 - SILICIOUS - RED - MOD. OXIDIZED & LIMONITIC - 10%-15% - WHITE, SUB-EUHEDRAL FELDSPAR XTALS, < 2MM - NO CONTACTS, RUBBLE - NON CALC., WEAKLY MAG.									

LANGRIDGES – TORONTO – 366-1168
ORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-04 SHEET NO. 2 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	CORE RECOVERY
11.8	49.9	SYENITE PORPHYRY - COARSE GRAINED — LARGE EUHEDRAL K-SPAR, UP TO 30MM, 20%-30% — CHLORITIZED HORNBLENDE 35% - 50% - WEAK TO MODERATE OXIDATION THRU. OUT, LOCALLY INTENSE - WEAK TO MODERATE EP. & LIM ALT THRU OUT — PINKISH GREY TO REDDISH PURPLE (OXIDIZED) - NON CALCAREOUS, WEAKLY TO MOD. MAG. - MAFICS (HEAVILY CHLORITIZED) 45° - 50° TO LCA. 16.1 - 16.8 - MODERATLY OXIDIZED & SERICITIC - NO MAFIC MEMBER, ALL LIM. & EP. — K-SPAR PHENOCRYITS STILL APPARENT	3421		16.1	16.8	0.7					98%
		18.6 - 19.9 - SIMILAR TO 16.1 - 16.8 - MODERATLY LIMONITIC - 18.8 — 10 MM STRINGER 30° EP. NON CALCAREOUS - 35° TO L.C.A.	322		18.6	19.9	1.3					
		20.4 - 21.1 - WEAK BRECCIA - OCCASSIONAL FINE < 2MM EP. & LIM. FRACTURES - NON CALCAREOUS - 20° - 30° TO LCA.	323		20.4	21.1	0.7					
		24.2 - 35.5 - MODERATE OXIDATION - WEAK TO MODERATE LIM. & HEM ALT.	324		24.2	25.2	1.0					
		- LOCAL EP. & LIM IN FINE FRACTURES	325		25.2	25.7	0.5					
		- ONLY K-SPAR MEGACRYSTS STILL INTACT - PINK	326		25.7	26.7	1.0					
		- MINERAL LINEATION 50° - 60° TO LCA	327		26.7	27.7	1.0					
		-25.5 - MASSIVE K-SPAR (PEGMITITIC DYKLET?) - POSSIBLE 10% QTZ - NO CARB - PINK	328		27.7	28.7	1.0					
			329		28.7	29.7	1.0					

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-08 SHEET NO. 3 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	ASSAYS CU LB RECOVER.
		-27.6 - 10 mm HEMITIZED FAULT/SLIP	330		29.7	30.7	1.0					
		- LIMONITE & WEAK EP NEAR CONTACTS	331		30.7	31.7	1.0					
		- NON CALCAREOUS	332		31.7	32.7	1.0					
		- 45° TO L.C.A.	333		32.7	33.7	1.0					
		-27.6 - 30.0 - VERY WEAKLY BRECCIATED	334		33.7	34.7	1.0					
		- HAIRLINE LIMONITIC FRACTURES	335		34.7	35.5	0.8					
		- MODERATE OXIDATION										
		- WEAKLY MAGNETIC										
		-30.0 - 32.6 - SLIGHTLY MORE HEM. CONTENT										
		- PRIMARILY RUBBLE										
		- NON CALCAREOUS										
		-32.6 - 35.1 - WEAKLY OXIDIZED										
		- INCREASE IN HEM TOWARD END OF OX. ZONE										
		-34.0 - 20 mm BAND OF HAIRLINE EP. FRACTURES										
		- 60° TO L.C.A.										
		35.5 - 49.9 - CONSISTENT UNIT OF VERY WEAKLY OXIDIZED SYENITE PORPHRY - 39.8 FAULT GOUGE, HEM.	336		39.6	40.0	0.4					
		- LOCAL HAIRLINE FRACTURES WITH EP.										
		- LARGE K-SPAR CRYSTALS - UPTO 20 mm - 10%-25%										
		- WEAKLY MAGNETIC, NON CALCAREOUS										
49.9	52.0	ANDESITE DYKE										40%
		- INTENSE OXIDATION - VERY LIMONITIC										
		- FINE GRAINED - SOFT										
		- MINERALOGY IS DIFFICULT DUE TO OXIDATION										
		- H.W. IS HEMITIZED, GOOD CONTACT, 45° TO L.C.A.										
		- NO F.W. CONTACT, NO NOTICABLE CHILL MARGIN										
		- WEAKLY MAGNETIC, NON CALCAREOUS										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. P7-08 SHEET NO. 4 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	ASSAYS CORE RECOVERY
520.	116.6	SYENITE PORPHYRY										98%
		-AS 11.8 - 49.9										
		- VERY WEAK OXIDATION THROUGH OUT - LOCALLY INTENSE										
		- MAFIC MEMBER PRIMARILY CHLORITE ± HORNBLENDE										
		- PINKISH GREY										
		- WEAK TO MODERATLY MAGNETIC, NON CALCAREOUS										
		52.0 - 56.7 - CONTACT ZONE WITH DYKE										
		- INTENSE OXIDATION + LIM, HEM ALT.	337		52.0	53.0	1.0					
		- LIMONITE & EPIDOTE REPLACEMENT	338		53.0	54.0	1.0					
		- WEAKLY BRECCIATED WITH OCCASSIONAL	339		54.0	55.0	1.0					
		HEMITIZED FRACTURES - 2MM-3MM	340		55.0	56.0	1.0					
		- K-SPAR MEGACRYSTS INTACT, UNALT., PINK	341		56.0	56.7	0.7					
		- MINERAL LINEATION 60° TO LCA.										
		- NON CALCAREOUS										
		55.1 - 56.7 - CHLORITIZED HORNBLENDE REAPPEARS AS OXIDATION WEAKENS										
		59.7 - 60.3 - FAULT GOUGE ZONE										
		- HEMITITIC & LIMONITIC H.W.	34355		59.7	60.3	0.6					
		- COMMON VERY GREEN EPIDOTE FRACTURES - 2MM										
		- ACTUAL GOUGE IS CLAY / POWDER, HEMITIZED										
		- 30° TO L.C.A.										
		60.3 - 94.3 - WEAKLY OXIDIZED, VERY HOMOGENIOUS										
		- PINKISH GREY										
		- LARGE K-SPAR X-TALS OFTEN ELONGATED										
		WITH MAFIC ASSEMBLAGE - 60°-70° TO LCA.										
		- LOCAL K-SPAR PEGMITITE DYKLETS - 60° TO LCA.										
		- CONSISTENTLY WEAKLY MAG, NON CALCAREOUS										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-08 SHEET NO. 5 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		- 79.5 - 81.5 - MODERATE OXIDATION & LIM. ALT.	342		79.5	80.5	1.0				
		- 5% - 1mm - 3mm EPIDOTE FRACTURES	343		80.5	81.5	1.0				
		- NON CALCAREOUS									
		81.1 - 81.2 - SILICIOUS, HARD									
		- 20% EP 15% LIMONITE									
		- WEAK OXIDATION									
		94.3 - 102.6 - MODERATE TO INTENSE OXIDATION ZONE									
		- MODERATE BRECCIATION WITH HEM. FRACTURES TO 5mm	356		94.3	95.3	1.0				
		- CONTAINS 3 QTZ SQUEAKERS (VIEWED) AT	357		95.3	96.3	1.0				
		97.3 & 97.5 - WHITISH GREEN 20% EP.	358		96.3	97.2	0.9				
		- WEAKLY FRACTURED	344		97.2	97.6	0.4				
		- NON CALCAREOUS	345		97.6	98.1	0.5				
		- 3mm - 10mm EACH - BOTH SWELL ON	346		98.1	98.4	0.3				
		ONE SIDE OF CORE.	347		98.4	99.2	0.8				
		- BOTH 35° TO LCA	348		99.2	99.7	0.5				
		98.2 - WHITISH GREY WITH FINE LIMONITIC FRACTURES	349		99.7	100.7	1.0				
		- MOST EXTREMLY OXIDIZED - BREAKS EASILY	350		100.7	101.7	1.0				
		- ~ 10 mm TRUE WIDTH	351		101.7	102.7	1.0				
		- 35° TO 40° TO L.C.A.									
		- NON CALCAREOUS									
		- CONTAINS 2 RHYOLITE DYKLETS									
		99.5 - BIEGE, SOFT ? (WEATHERED?)									
		- FINE MANGANESE DENDRITES									
		- NON CALCAREOUS									
		- T.W. 3-4mm, 41° TO L.C.A.									
		99.6 - REG, SILICIOUS (RHYODACITE ?), HARD									
		- NO GOOD CONTACTS									
		- NON CALCAREOUS									
		- NON MAGNETIC									

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-08 SHEET NO. 6 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	ASSAYS CORE RECOVERY
		102.6 – 116.6 – AS 60.3 – 94.3 – WEAKLY OXIDIZED – PINKISH GREY – LARGE, EUHEDRAL, K-SPAR PHENOCRYSTS OFTEN ELONGATED – NON CALCAREOUS, WEAKLY MAGNETIC										
		109.4 – 110.1 – QTZ VEINLET – 10° TO LCA. – WHITISH GREY WITH RED TINGE	352		109.4	110.1	.7					
		– VERY WEAK LIMONITE FRACTURES – NON CALCAREOUS	353		110.1	111.3	1.2					
		111.5 – SMALL FAULT GOUGE – 30° TO L.C.A. – CONTACTS MODERATELY ALTERED WITH HEM & LIM. – NON CALCAREOUS	354		111.3	111.8	0.5					
116.6	137.2	RHYODACITE FELDSPAR PORPHYRY – FINE GRAINED, SILICIOUS – REDDISH TO GREENISH RED. – 20% – 30% WHITE, EUHEDRAL FELDSPARS < 2MM – WEAK LOCAL EP. REPLACEMENT – MODERATELY MAGNETIC, NON TO MODERATELY CALCAREOUS – H.W. 55° TO L.C.A. 133.1 – 137.2 – RARE FINE CARBONATE FRACTURES BECOMING MORE COMMON & LARGER TOWARD END OF HOLE										95%
		137.2 EOH										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS YUKON
HOLE NO. 87-09 LENGTH 47.9 M
LOCATION VICTORIA MTN
LATITUDE 4+62.1 N DEPARTURE 19+30 E
ELEVATION ~ 1648 M AZIMUTH 340° DIP -45°
STARTED AUG 17/87 FINISHED AUG 19/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	340°			
41.1	-38°	[illegible]			

HOLE NO. 87-09 SHEET NO. 1 OF 4
REMARKS CARON DD NQ
VERY HARD GROUND - 3 BITS

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS [illegible]
0	3.0	OVER BURDEN										10.0%
3.0	22.9	SYENITE FELDSPAR/HORNBLENDE PORPHYRY - COARSE GRAINED - FELDSPARS - 60% - 70% USUALLY < 10 MM - HORNBLENDE 30% - 40% 2 MM - 6 MM EUHEDRAL - VERY FEW K-SPAR "MEGACRYSTS" - LIGHT PINK TO REDDISH - LOCAL EPIDOTE REPLACEMENT OF PLAGIOCLASE & LOCAL FINE EPIDOTE FILLED FRACTURES - GREENER THAN NORMAL - WEAK TO MODERATLY CALCAREOUS - WEAKLY MAGNETIC - NOTICABLE ABSENCE OF LIMONITE & HEMITITE.						Plot				
		- 15.9 - FAULT GOUGE - 15°-20° TO L.C.A. - LIGHTLY HEMITITIC IN GOUGE - ABUNDANT EPIDOTE - VERY CALCAREOUS ON FRACTURES	34359		15.8	16.1	0.3					
		20.2 - 20.35 - MASSIVE PEGMITITIC K-SPAR WITH MINOR QTZ - 10% & PLAGIOCLASE - APPEARS FLOODED, FAST GRADATIONAL CONTACT @ 65° TO L.C.A. - WEAKLY FRACTURED - MINOR EPIDOTE REPLACEMENT - WEAKLY CALCAREOUS & WEAKLY MAGNETIC - LIGHT PINK	760		20.1	20.5	0.4					

	0 -	45	0	
	10	43	°	
	20	41	°	
	35 -	38	°	

LANGRIDGES — TORONTO — 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-09 SHEET NO. 2 OF 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
22.9	27.1	RHYODACITE FELDSPAR PORPHRY - VERY FINE GRAINED, SILICIOUS - REDDISH BROWN - POSSIBLE EPIDOTE AMYGDULES? - ROUND, GREENISH, 1MM, WEAKLY CALC. - FELDSPARS SUBHEDRAL RARE 1-2MM DIFFICULT TO SEE BUT STILL APPARENT - CALCAREOUS FINE HAIRLINE FRACTURES - WEAKLY MAGNETIC										
27.1	47.8	SYENITE FELDSPAR/HORNBLENDE PORPHYRY -COARSE GRAINED - SILICIOUS, VERY HARD (3 DRILL BITS IN THIS HOLE) - PINK TO REDDISH PINK - 5-10% LARGE EUHEDRAL K-SPAR PHENOCRYSTS - SMALL LOCALITIES OF ABUNDANT EPIDOTE OFTEN IN "STRINGERS" FRACTURES - CALCAREOUS IN HAIRLINE FRACTURES, WEAKLY MAGNETIC - MINERAL LINEATION 60° TO 70° TO LCA. - CONTAINS NUMEROUS QTZ VEINS AND VEINLETS RUNNING CLOSE TO PARALLEL WITH CORE 27.1 - 28.9 - VERY SILICIOUS - ABUNDANCE OF EP, - UPTO 15% - VERY FINE GRAINED PY IN FRACTURES 1/8 3%	361		27.1	28.1	1.0					
			362		28.1	28.9	0.8					
		28.9 - 29.1 - 5MM WHITISH GREY QTZ STRINGER WITH A BLUE TINGE IN PLACES - FINE EPIDOTE + LIMONITE FILLED FRACTURES - CALCAREOUS FRACTURES ALSO - 10° TO L.C.A.	363		28.9	29.2	0.3					
			364		29.2	30.2	1.0					

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-09 SHEET NO. 3 OF 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	OZ TON	OZ TON	
		35.2 - 35.9 - TWO - 3MM - 10MM EP 'STRINGERS' FOLLOW A FRACTURE PLANE AT 10° TO LCA. - CONTAINS 1% QTZ - TRACE PY IN QTZ - WEAK CARB IN FRACTURES ALONG "CONTACTS"	365		35.2	36.2	1.0					
			366		36.2	37.2	1.0					
			367		37.2	37.6	0.4					
		37.2 - 37.6 - WHITISH GREY QTZ VIEN. - TRUE WIDTH 60MM - 90MM, 10° TO LCA. - INCORPORATES LONG THIN XENOLITHS OF SYENITE ALONG CONTACTS - POSSIBLE BRECCIA) - EP & LIM IN SPECKS AND FINE FRACTURES - CARBONATE ALONG CONTACTS & IN FRACTURES - TRACE STEEL BLUE MINERAL (DOESN'T LOOK LIKE MOLY OR Gn) LOCATED PRIMARILY IN CENTER OF VIEN. - VIEN DISPLAYS SOME MINERALOGICAL BANDING PARALLEL TO VIEN CONTACTS	368		37.6	38.2	0.6					
			369		38.2	38.8	0.6					
			370		38.8	39.2	0.4					
			371		39.2	40.0	0.8					
			372		40.0	40.6	0.6					
		38.9 - 39.2 - WHITISH GREY QTZ VIEN - TRUE WIDTH 20MM - 30MM 10° TO LCA. - SIMILAR TO 37.2 - 37.6 IN APPEARANCE - TRACE BLUE MINERAL IN CENTER AREAS - ALSO MINERAL LINEATION (LIM, EP, & BLUE MIN) PARALLEL TO VIEN CONTACTS										
		39.9 - 40.65 - PRIMARILY HOST - CUT BY NUMEROUS FINE TO 3MM QTZ FILLED FRACTURES. - APPEARS BRECCIATED - ONE 10MM VIENLET IS CENTERED IN THE AREA CONTAINING UPTO 10% EP. - 5°-10° TO LCA. - NO BLUE MIN NOTICABLE - MODERATLY CALCAREOUS										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 82-09 SHEET NO. 4 OF 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		40.65 - 41.2 - QTZ VIEN WHITISH GREY	333		40.6	41.2	0.6					
		- TRUE WIDTH 25 CM - 30 CM, 10° - 15° TO LCA	334		41.2	42.2	1.0					
		- SIMILAR TO ABOVE VIENS (IE. // MIN LINEATION)	335		42.2	42.8	0.6					
		- TRACE TO 1% BLUE MIN, (DOES LOOK LIKE MOLY)	336		42.8	43.2	0.4					
		- CARBONATE IN FRACTURES CLOSE TO CONTACT.	337		43.2	44.2	1.0					
		- EP & LIM IN SPECKS AND FRACTURES										
		- CONTAINS 10% HOST IN POSSIBLE "XENOLITHS" NEAR CONTACTS										
		42.9 - 43.2 - 10 MM VIENLET, 1 @ 10° TO LCA.										
		- SIMILAR TO ABOVE VIENS										
		- FINE EP & LIM FRACTURES										
		- HEM & CARBONATE IN CENTER PARALLEL TO VIEN SUGGEST A POSSIBLE FAULT SLIP										
		- WHITISH GREY NO PARTICULAR BLUISH TINGE										
		43.2 - 47.8 - RELATIVELY HOMOGENIUS, SILICIOUS SYENITE PORPHRY										
		- LOCAL FINE EP. FILLED FRACTURES										
		- WEAKLY CALCAREOUS, WEAKLY MAG.										
		EOH 47.8 METERS										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS YUKON
HOLE NO. 87-10 LENGTH 110.3 METERS
LOCATION VICTORIA MTN
LATITUDE 5+50N DEPARTURE 19+30 E
ELEVATION ~1640M AZIMUTH 240° DIP -45°
STARTED FINISHED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	240°			
NO ACID TEST		"			

HOLE NO. 87-10 SHEET NO. 1 OF 5
REMARKS CARMACKS DD NO

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS CORE RECOVERY
0	3.0	OVER BURDEN										
3.0	23.1	SYENITE FELDSPAR/HORNBLENDE PORPHYRY - COARSE GRAINED - LARGE EUHEDRAL K-SPAR X-TALS, 10MM-20MM - WEAKLY CHLORITIC HORNBLENDE, 2MM-7MM - FELDSPAR ± POTASSIC ALT. 40%-50% - PINK ORANGE - VERY WEAK OXIDATION THROUGH OUT - LOCAL BRECCIA ZONES WITH EP, HEM & LIM. FILLED HAIRLINE TO 1MM FRACTURES - MODERATLY CALCAREOUS, WEAKLY MAGNETIC - MINERAL LINEATION 30°-40° TO L.C.A.										85%
		9.0 - 9.1 - WEAK BRECCIA WITH ABUNDANT HAIRLINE FRACTURES FILLED WITH HEM. & LIM. & WEAK EP. - UP TO 20% EP. REPLACEMENT OF FELDSPAR - 3 MM CALCITE STRINGER ON H.W. TO BRECCIA AT 60° TO L.C.A.	34378 379		9.0 10.0	10.0 11.0	1.0 1.0					
		10.0 - 10.4 - MODERATE BRECCIA, HEMITIZED, PINKISH PURPLE - WEAK EP REPLACEMENT & FRACTURES - ABUNDANT HEM & LIM. HAIRLINE & LARGER (UP TO 2MM) FRACTURES - STRONGLY CALCAREOUS										

LANGRIDGES – TORONTO – 366-1168
FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. P7-10 SHEET NO. 2 OF 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		10.4 - 12.5 - BRECCIA, SIMILAR TO 10.0 - 10.4 ONLY VERY WEAKLY BRECCIATED	380		11.0	12.0	1.0					
		- LOCAL HAIRLINE FRACTURES WITH EP & LOCAL AREAS OF EP REPLACEMENT.	381		12.0	13.0	1.0					
		- WEAK HEM & LIM.										
		- MODERATLY CALCAREOUS, WEAKLY MAGNETIC										
		18.6 - 19.65 - QTZ CARB. STRINGER	382		18.5	18.8	0.3					
		- 7MM WIDE, 60° TO L.C.A.	383		18.8	19.8	1.0					
		- FINE LIMONITIC HAIRLINE FRACTURES IN THE QTZ	384		19.8	20.8	1.0					
		- GREENISH WHITE	385		20.8	21.8	1.0					
		- NO SULFIDES, MODERATLY CALCAREOUS	386		21.8	22.8	1.0					
		- IMMIEDIATE WALL ROCK INTENSLY HEMITIZED	387		22.8	23.3	0.5					
		19.3 - FAULT GOUGE										
		- 3MM WIDE, 20° TO L.C.A.										
		- INTENSE LIM & HEM ALT.										
		- STRONGLY CALCAREOUS										
		21.4 - FAULT GOUGE										
		- 4MM - 5MM WIDE, 20° TO LCA										
		- INTENSE LIM & HEM ALT.										
		- STRONGLY CALCAREOUS										
23.1	27.4	RHYODACITE FELDSPAR PORPHYRY										
		- FINE GRAINED, MODERATLY SILICIOUS										
		- PINK TO YELLOWISH PINK										
		- ABUNDANT (30%) WHITE SUBHEDRAL FELDSPARS 1MM-2MM										
		- < 3% VERY FINE GRAINED DISSEMINATED BLACK MINERAL										
		- NON CALCAREOUS, WEAKLY MAGNETIC										
		26.5 - TRACE, EUHEDRAL (1MM) OXIDIZED PY.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARDINAL

HOLE NO. 87-10 SHEET NO. 3 OF 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	CORE RECOVERY
27.4	27.8	ANDESITE DYKE										
		- FINE GRAINED, RELATIVELY SOFT.										
		- DARK GREEN TO (BIEGE, F.W. CHILL MARGIN)										
		- 10% ROUNDED CALCITE AMYGDULES 1MM - 3MM										
		- COMMON FINE HAIRLINE CALCITE FILLED FRACTURES										
		- WEAKLY MAGNETIC										
		- H.W. 85° TO LCA. ABRUPT CONTACT NO NOTICABLE CHILL.										
		- F.W. CLASSIC CHILLING, FINE HAIRLINE FRACTURES FILLED WITH CAL. & LIM. & 1% FINE GRAINED PY										
		27.8 - 2CM QTZ CARB STRINGER ON CONTACT	388		27.4	27.8	0.4					
		- GREYISH GREEN, VERY LIMONITIC IN LOCAL AREAS.										
		- TRACE PY										
		- 80° TO LC.A.										
27.8	31.1	RHYODACITE FELDSPAR PORPHYRY										
		- SIMILAR TO 23.1 - 27.4	389		30.8	31.3	0.5					
		31.1 - 5MM - 10 MM QTZ CARB STRINGER ON F.W. CONTACT										
		- SLIGHT BLUISH TINGE										
		- VERY LIMONITIC AREAS, WEAKLY OXIDIZED										
		- ONE OXIDIZED PY CUBE 1MM (TRACE)										
		- 40° TO LC.A.										
31.1	56.9	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										
		- SIMILAR TO 3.0 - 23.1										95%
		- WEAK POTASSIC ALT. WHITISH PINK.										
		- LOCAL LIM & EP REPLACEMENT ALT.										
		- LOCAL LIM, HEM, EP, & CALC. FILLED HAIRLINE TO 2MM FRACTURES										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-10 SHEET NO. 4 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	
		- LOCAL FAULT GOUGE ZONES & BRECCIATED AREAS										
		31.1 - 32.4 - CONTACT WITH RHYODACITE PORPHYRY DISPLAYS MODERATE TO WEAK BRECCIATION DECREASING IN INTENSITY FROM CONTACT DOWN.	390		31.3	31.9	0.6					
		- MODERATLY LIMONITIC/HEMITITIC	391		31.9	32.4	0.5					
		- WEAKLY OXIDIZED										
		- STRONGLY CALCAREOUS										
		37.1 - FAULT GOUGE, 30° TO LC.A.	392		37.0	37.3	0.3					
		- LIMONITIC	393		37.3	38.3	1.0					
		- MODERATE EP. REPLACEMENT IN THE IMMEDIATE WALL ROCK	394		38.3	38.9	0.6					
		- STRONGLY CALCAREOUS										
		38.4 - 38.8 - WEAK BRECCIA ZONE										
		- WEAK HEM & LIM.										
		- REDDISH PINK										
		- CHARACTERIZED BY 2 CHL/EP BANDS BOTH 10 MM - 15MM WIDE LOCATED AT 38.4 & 38.8										
		- BOTH 55° TO 60° TO LC.A.										
		53.3 - 54.8 - WEAKLY BRECCIATED	395		53.3	53.8	0.5					
		- STRONG EP & HEM ALT.	396		53.8	54.8	1.0					
		- MODERATLY CALCAREOUS										
		- 53.3 - 1 MM QTZ, CARB, EP STRINGER										
		- WHITISH GREEN										
		- 40° TO LC.A.										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. F7-10 SHEET NO. 5 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
56.9	57.9	RHYOLITE DYKE - FINE GRAINED, SILICIOUS - BEIGE, DISPLAYS LIGHT & DARK BANDS, 30° TO L.C.A. - 3% - 5% DENDRITIC MANGANESE - VERY WEAKLY CALCAREOUS, WEAKLY MAGNETIC - WEAK LIM & HEM ON BROKEN SURFACES - NO DISTINCT CONTACTS										
57.9	61.0	SYENITE FELDSPAR/HORNBLENDE PORPHYRY - SIMILAR TO 31.1 - 56.9 - WEAKLY POTASSIC - ABUNDANT LARGE EUHEDRAL K-SPARS, 10MM-25MM, 30% 57.9 - 58.3 - WEAK BRECCIATION FOLLOWING RHYOLITE DYKE - WEAK HEM & LIM - MODERATLY CALCAREOUS	397		57.9	58.4	0.5					
61.0	61.8	ANDESITE DYKE - FINE GRAINED, RELATIVELY SOFT - DARK GREENISH GREY - 10% CALCITE/EPIDOTE AMYGDULES, VERY FINE < 1MM - SCARCE HAIRLINE CALC. FRACTURES - NO UPPER CONTACT, F.W. 45° TO L.C.A. - WEAKLY MAGNETIC										
61.8	69.8	SYENITE FELDSPAR/HORNBLENDE PORPHYRY - SIMILAR TO 31.1 - 56.9 - PRISTEEN, FRESH, WHITISH PINK - VERY WEAK POTASSIC ALT. - LOCAL WEAK EP REPLACEMENT OF FELDSPAR (PLAGIOCLASE) - OCCASSIONAL LOCAL EP STRINGERS TO 1MM										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARTER'S

HOLE NO. 80-16 SHEET NO. 6 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	CORE RECOVERY
		- WEAKLY CALCAREOUS IN HAIRLINE FRACTURES - WEAKLY MAGNETIC										
69.8	71.5	RHYOLITE DYKE										
		- VERY FINE GRAINED, HARD, SILICIOUS - PINKISH BEIGE - 3% - 5% MANGANESE DENDRITES - 5% SUBHEDRAL QTZ EYES <0.5mm - WEAKLY BANDED ALMOST UNAPPARENT - WEAKLY CALC. & WEAKLY MAG. - 60° - 70° TO L.C.A. - UNALTERED SYENITE PORPHYRY SURROUNDING DYKE										
71.5	91.8	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										95%
		- SIMILAR TO 61.8 - 69.8 - WHITISH PINK. - VERY WEAK ALT. IN ALL ASPECTS										
		79.3 - 80.8 - WEAK BRECCIA WITH EP FRACTURES <2mm	398		79.3	80.0	0.7					
		- CONTAINS 2 QTZ CARB EP STRINGERS	399		80.0	80.8	0.8					
		80.0 - 1mm QTZ CARB EP STRINGER - WHITISH GREEN - 50° TO L.C.A.										
		80.75 - 1mm-3mm QTZ CARB EP STRINGER - WHITISH GREEN - 50° TO L.C.A.										
		85.6 - 85.7 - 3 cm BAND OF MEDIUM GRAINED AMPHIBOLITE - 90% HORNBLENDE, 10% PLAGIOCLASE - 25° TO L.C.A.										

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-10 SHEET NO. 7 OF 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON	
		88.0 - 5MM QTZ CARB EP STRINGER - WHITISH GREEN - 50° TO L.C.A.	400		87.8	88.2	0.4					
			401		88.2	89.2	1.0					
		89.3 - 0.5MM VERY FINE QTZ CARB EP STRINGER - WHITISH GREEN - 60° TO L.C.A.	402		89.2	89.7	0.5					
			403		89.7	90.7	1.0					
			404		90.7	91.7	1.0					
		90.2 - 91.8 - WEAK BRECCIA WITH EP & LIM HAIRLINE TO 1MM FRACTURES	405		91.7	92.2	0.5					
		90.1 - 3MM QTZ CARB EP STRINGER - CONTAINS VUG 1 CM LONG WITH FINE TO MED GRAIN EUHEDRAL QTZ XTALS - 50° TO L.C.A.										
91.8	92.8	ANDESITE DYKE - FINE GRAINED, RELATIVELY SOFT - DARK GREEN - 5% ROUNDED WHITE CARB. AMYGDULES - OCCASSIONAL HAIRLINE CARB FILLED FRACTURES 91.9 - QTZ CARB VEINLET, 40 MM WIDE - 30% QTZ, HOST ROCK IS FRAC. T QTZ FILLED IT. - STRONGLY LIMONITIC - 60° TO L.C.A.										
92.8	94.2	SYENITE FELDSPAR / HORNBLENDE PORPHYRY AS 71.5 - 91.8 - WEAK EP & LIM ALT. THRU. OUT. - MODERATLY CALCAREOUS - WEAKLY MAGNETIC - GREYISH PINK	406		92.8	94.2	1.4					

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-10 SHEET NO. 8 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	OZ TON	OZ TON	CORE RECOVERY
94.2	96.7	ANDESITE DYKE -SIMILAR TO 91.8-92.8 -FINE GRAINED, DK GREEN, SOFT -CAL/EP AMYGDULES < 1MM ROUNDED -OCCASSIONAL HAIRLINE CARB FRACTURES -MODERATLY CALCAREOUS, WEAKLY MAG. -F.W. 45° TO L.C.A.										
96.7	110.3	SYENITE FELDSPAR/HORNBLENDE PORPHYRY	407		96.7	97.7	1.0					98%
		SIMILAR TO 71.5-91.8	408		97.7	98.7	1.0					
		-LOCAL EP REPLACEMENT & FINE EP. FILLED FRACTURES	409		98.7	99.2	0.5					
		-LOCAL WEAK LIM & HEM ALT. -WEAKLY CALCAREOUS & WEAKLY MAGNETIC -WEAK POTASSIC ALT OF PLAGIOCLASE -WHITISH PINK										
		96.7-99.1 - WEAK BRECCIA WITH HEM - HAIRLINE TO 2MM EP FRACTURES - UP TO 15% LOCALIZED EP REPLACEMENT										
		98.8 - POSSIBLE RHYOLITE DYKE?, SILICIOUS, PINK - 65° TO L.C.A. - WEAKLY CARBONIC										
		105.3-108.8 - WEAK BRECCIA WITH EP FILLED FRACTURES	410		105.3	106.3	1.0					
		- UP TO 10% LOCALIZED EP REPLACEMENT	411		106.3	107.3	1.0					
		108.7 - 2MM QTZ, CARB, EP STRINGER	412		107.3	108.3	1.0					
		- GREENISH WHITE - 45° TO L.C.A.	413		108.3	108.8	0.5					
		E.O.H. 110.3 METERS										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS YUKON
HOLE NO. 87-11 LENGTH 116.4 METERS
LOCATION VICTORIA MTN
LATITUDE 9+00N DEPARTURE 21+50 E
ELEVATION ~ 1554 AZIMUTH 250° DIP -45°
STARTED AUG 22/87 FINISHED AUG 25/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	250°			
106.7	-42°	ACID			

HOLE NO. 87-11 SHEET NO. 1 OF 6
REMARKS CARON DD N Q
LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	ASSAYS CORE RECOVERY
0	9.3	OVER BURDEN										
9.3	66.2	SYENITE FELDSPAR / HORNBLENDE PORPHYRY										90%
		COARSE GRAINED - LARGE EUHEDRAL K-SPAR PHENOCRYSTS PINK 5MM - 25MM 10% - 25%										
		- FINE TO MEDIUM, SUB TO EUHEDRAL HORNBLENDE FINE IS WISPY (ASICULAR) ELONGATED 1MM-6MM 40% - 60% - MINERAL LINEATION 45°-60° TO LCA										
		- SUBHEDRAL WHITE FELDSPAR < 8MM 20% - 40%										
		- WHITISH PINK TO PINKISH RED - GENERALLY WEAK POTASSIC ALT. OF WHITE FELDSPAR										
		- VERY WEAKLY OXIDIZED THRU OUT, LOCAL MODERATE OXIDATION PRIMARILY NEAR SURFACE & FAULT GOUGES										
		- LOCAL WEAK EP. REPLACEMENT OF FELDSPAR										
		- LOCAL LIM & HEM ALT. - USUALLY WITH OXIDATION										
		- LOCAL FINE HAIR LINE EP. & LIM. FILLED FRACTURES.										
		- OCCASSIONAL FAULT GOUGES WITH MODERATE OXIDATION IN SURROUNDING WALL ROCK										
		- NON CALCAREOUS (PERHAPS DUE TO WEAK OX. THRU OUT?)	34414		9.3	11.0	1.7					
		- WEAKLY MAGNETIC	415		11.0	13.0	2.0					
		9.3 - 20.7 - VERY OXIDIZED (SURFACE WEATHERING)	416		13.0	15.0	2.0					60%
		- LIMONITIC COLOUR - YELLOWISH ORANGE	417		15.0	17.0	2.0					
		- MUDDY, SANDY GRAVEL TO BLOCKY-INCOMPETENT	418		17.0	19.0	2.0					
		- FELDSPAR FRAGMENTS DISTINGUISHABLE	419		19.0	20.7	1.7					
		- NON CALCAREOUS										

LANGRIDGES — TORONTO — 366-1168
FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-11 SHEET NO. 2 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON
		22.1 - 23.6 - EXTREME OXIDATION & LIM/HEM ALT.	420		20.7	22.1	1.4				
		- POSSIBLE FAULT/GOUGE (SURFACE WEATHERING?)	421		22.1	23.6	1.5				
		- YELLOWISH RED									
		- SILTY GRAVEL TO RUBBLE									
		- NON CALCAREOUS									
		29.2 - 29.6 - FAULT GOUGE AT 29.3									
		- WEAK ASSOCIATED LIM. ALT. & OXIDATION	422		29.2	29.6	0.4				
		- WEAK EP REPLACEMENT OF PLAGIOCLASE									
		- NON CALCAREOUS									
		32.7 - 33.6 - WEAKLY OXIDIZED									
		- WEAK LIM & HEM ALT.	423		32.7	33.6	0.9				
		- VERY WEAK BRECCIA WITH LIM & EP FILLED FRACTURES									
		- PINKISH YELLOW									
		- NON CALCAREOUS, WEAKLY MAGNETIC									
		35.3 - 70 MM BAND OF "AMPHIBOLITE"									
		- CONSISTS OF 60% CHLORITICALLY ALT. HORNBLENDE									
		- 20% LARGE K-SPAR "MEGACRYSTS"									
		- 30° TO LCA									
		- WEAK TO MODERATLY MAGNETIC									
		- NON CALCAREOUS									
		36.4 - 37.3 - WEAK BRECCIA									
		- HAIRLINE TO FINE EP. & LIM FILLED FRACTURES	424		36.4	37.3	0.9				
		- VERY WEAK TO MODERATE OXIDATION									
		- MODERATE LIM & HEM ALT.									
		- WEAK EP REPLACEMENT									
		- NON CALCAREOUS, WEAKLY MAGNETIC									

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-11 SHEET NO. 3 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	
		47.9 – 48.6 – WEAKLY OXIDIZED – WEAK LIM & HEM ALT. – NO OBVIOUS FAULT GOUGE – CRUMBLY RUBBLE 47.9 – 47.95 – LIGHTLY BLEACHED – NON CALCAREOUS	425		47.8	48.8	1.0					
		56.7 – 58.6 – WEAK BRECCIA ZONE – PRIMARILY AN ACCUMULATION OF HAIRLINE < 1MM EP, FILLED FRACTURES – WEAK LIM & HEM ALT. 58.3 – 58.4 – MODERATE BRECCIATION – 1MM – 2MM HEM FILLED FRACTURES	426		56.7	57.7	1.0					
			427		57.7	58.7	1.0					
		64.6 – 66.4 – MODERATE TO INTENSE OXIDATION – WEAKLY BRECCIATED – YELLOWISH BROWN – STRONG LIM & HEM ALT – SANDY GRAVEL TO RUBBLE 65.4 – 65.5 – VERY HEMITIZED FAULT GOUGE – 45° TO LCA. – NON CALCAREOUS	428		64.6	65.6	1.0					
			429		65.6	66.4	0.8					
66.2	67.7	ANDESITE DYKE – FINE GRAINED, RELATIVELY SOFT – LIGHT TO DARK GREEN – WEAKLY OXIDIZED – < 5% FINE < .5MM DARK MINERAL – LIMONITIC HAIRLINE FRACTURES										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-11 SHEET NO. 4 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	ASSAYS CORE RECOVERY
		- NO CONTACTS - LIGHT GREEN CHILL ON HANGING WALL - NONCALCAREOUS, WEAKLY MAGNETIC										
67.7	68.0	SYENITE FELDSPAR/HORNBLENDE PORPHYRY	430		67.6	68.1	0.5					
		- AS 9.3 - 66.2 - EXTREME HEMITITE ALT. - PURPLISH RED - NON CALCAREOUS, WEAKLY MAGNETIC - PRIMARILY RUBBLE										
68.0	78.9	RHYOLITE DYKE										90%
		- FINE GRAINED, SILICIOUS - BEIGE TO PINKISH BIEGE - VERY FINE CALCITIC & LIMONITIC HAIRLINE FRACTURES - LARGE WELL FORMED MANGANESE DENDRITES IN FRACTURES - COMPETENT CORE TO RUBBLE - VIRTUALLY NON MAGNETIC - CALCAREOUS IN FRACTURES ONLY - H.W. 15° TO L.C.A. - F.W. 70° TO L.C.A. - DISPLAYS WEAK BANDING & A DARKER REDDISH BEIGE										
78.9	84.6	RHYODACITE (FELDSPAR PORPHYRY)										
		- FINE GRAINED, SILICIOUS, GREYISH RED - 5%-10%, 1mm-3mm BLACK ROUNDED QTZ EYES - SUBHEDRAL FELDSPAR PHENOCRYSTS < 2mm ONLY FOUND ON H.W. CONTACT TO 79.2 (30 cm) NOT VISIBLE ELSEWHERE - LOCAL FINE FP. REPLACEMENT 0.5mm ROUNDED APPEAR LIKE AMYGDULES										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-11 SHEET NO. 5 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- POSSIBLE GRADATIONAL CHANGE AT F.W. (RUBBLE) - CALCAREOUS IN FRACTURES ONLY - MODERATLY MAGNETIC 82.7 - 84.6 - REDDISH PINK - SILICIOUS - ROUNDED RED QTZ EYES < 1 MM, 5% - 7% - OCCASSIONAL HAIRLINE HEM FILLED FRACTURES WITH WEAK CALCITE - WEAK TO MODERATLY MAGNETIC										
84.6	85.4	DACITE FELDSPAR PORPHYRY - MEDIUM GRAINED - HARD - GREY - SUB - EUHEDRAL (SQUARE) FELDSPAR PHENOCRYSTS, < 2MM, 30% - 40% - SUBHEDRAL HORNBLENDE 1MM - 3MM, 10% - WEAK FRACTURES WITH LIM & EP ALT. - OCCASSIONAL CALCITE FILLED FRACS UP TO .1MM - WEAKLY MAGNETIC										
85.4	86.4	SYENITE FELDSPAR / HORNBLENDE PORPHYRY AS - 9.3 - 66.2 - 30% K-SPAR "MEGACRYSTS" < 25 MM - WEAK EP. REPLACEMENT OF PLAGIOCLASE - WEAK BRECCIA WITH HEM. FRACTURES - NON CALCAREOUS, WEAK TO MOD. MAGNETIC - H.W. 20° TO L.C.A. - F.W. 35° TO L.C.A.	431		85.4	86.4	1.0					

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-11 SHEET NO. 6 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	CORE RECOVERY
86.4	104.3	DACITE FELDSPAR PORPHYRY - MEDIUM GRAINED – HARD, NON SILICIFIED - GREY - EUHEDRAL (SQUARE) WHITE FELDSPAR PHENOCRYSTS < 2mm 40% - SUBHEDRAL HORNBLENDE 1mm – 3mm, 10% - LOCALITIES OF WEAK LIM ALT + OXIDATION, DISPLAY FELDSPAR PHENOCRYSTS CLEARLY - OCCASSIONAL CARBONATE FILLED FRACTURES TO 1 MM NO PARTICULAR ORIENTATION - CALCAREOUS IN THESE FRACTURES ONLY - WEAK TO MODERATLY MAGNETIC										95%
104.3	108.1	RHYODACITE FELDSPAR PORPHYRY - FINE GRAINED, HARD – SILICIOUS - REDDISH BROWN - 5% DISSEMINATED SUB-EUHEDRAL FELDSPAR PHENOCRYSTS < 2mm - CONDIETENT TO BLOCKY - H.W. CONTACT SHARP YET NOT ABRUPT (FLOODING?) 5° TO LCA. - F.W. DISPLAYS LINEATION (BANDING) AT 5° TO LCA. YET NO CONTACT IS VISIBLE (BLOCKY)										
108.1	116.4	DACITE FELDSPAR PORPHYRY - VIRTUALLY IDENTICAL TO 86.4 – 104.3 - MEDIUM GRAINED, HARD, GREY - CLEAR FELDSPARS IN OXIDIZED LOCALITIES - CALCAREOUS IN FRACTURES ONLY. E.O.H. 116.4 METERS										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS YUKON
HOLE NO. 87-12 LENGTH 102.6
LOCATION VICTORIA MTN
LATITUDE 9+00N DEPARTURE 20+00E
ELEVATION ~ 1547 M AZIMUTH 70° DIP -45°
STARTED AUG 25/87 FINISHED AUG 28/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	70°			
102.6	-44°	ACID			
		"			

HOLE NO. 87-12 SHEET NO. 1 OF 3
REMARKS CARON DD NO

LOGGED BY A. BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	3.7	OVER BURDEN									
3.7	82.3	DACITE FELDSPAR PORPHYRY - MEDIUM GRAINED - HARD - NON SILICIFIED - GREY - SUB-EUHEDRAL (SQUARE) WHITE FELDSPAR PHENOCRYSTS 30%-50% USUALLY CONSISTENT AT APPROX 2 MM - MOST VISIBLE IN WEAKLY TO MODERATLY OXIDIZED CORE - 10% FINE TO MEDIUM GRAINED HORNBLENDE - LOCAL LIMONITIC ALT. & OXIDATION USUALLY AROUND FINE FRACTURES - WEAKLY CALCAREOUS ONLY IN FINE FRACTURES & CAL STRINGERS - WEAK TO MODERATLY MAGNETIC									
		25.0 - 30.7 - WEAK TO MODERATE LIMONITE ALT. & OXIDATION - ORANGE BROWN - COMMON CARBONATE STRINGERS 1mm-2mm WIDE NO PARTICULAR ORIENTATION - MUDDY TO BLOCKY	34432		25.0	26.0	1.0				
			433		26.0	27.0	1.0				
			434		27.0	28.0	1.0				
			435		28.0	29.0	1.0				
			436		29.0	30.0	1.0				
		34.6 - 36.9 - WEAK BRECCIA ZONE - ABUNDANCE OF HAIRLINE HEM & LIM FILLED FRACTURES - WEAKLY CALCAREOUS (IN FRACTURES) - MODERATLY MAGNETIC 35.2 - 35.6 - MODERATLY BRECCIATED	437		30.0	31.0	1.0				
			438		34.6	35.6	1.0				
			439		35.6	36.9	1.3				

LANGRIDGES - TORONTO - 366-1168
FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-12 SHEET NO. 2 OF 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	
		76.1 – 79.3 – BLOCKY RUBBLE – NO OXIDATION OR LIM/HEM ALT.										
		77.5 – 77.7 – 3 CALCITE STRINGERS UP TO 10 MM WIDE – NO QTZ – LIGHTLY LIMONITIC – AREA BETWEEN STRINGERS IS WEAKLY BRECCIATED WITH LIMONITIC CALCITE FILLED FRACTURES – LOCAL WEAK LIMONITE ALT. IN IMMEDIATE SURROUNDING WALL ROCK – STRINGERS RUN 30° TO LCA.	440 441 442		76.4 77.4 77.8	77.4 77.8 78.8	1.0 0.4 1.0					
82.3	84.7	RHYODACITE FELDSPAR PORPHYRY – FINE GRAINED MATRIX – HARD, SILICIOUS – PINKISH ORANGE – 10% SUB-EUHEDRAL FELDSPAR PHENOCRYSTS < 2MM – < 8% FINE GRAINED DISSEMINATED DARK MINERAL < 0.5 MM – WEAK LIMONITE ALT. – FINE HAIRLINE FRACTURES FILLED WITH CARBONATE – WEAKLY MAGNETIC – BLOCKY RUBBLE – NO DISTINGUISHABLE CONTACTS										
84.7	99.5	DACITE FELDSPAR PORPHYRY – IDENTICAL TO 3.7 – 82.3 – OCCASIONAL FINE FRACTURES FILLED WITH LIMONITIC CALCITE USUALLY LESS THAN 1 MM WIDE – NO PREFERRED ORIENTATION – LOCAL "ZONES" OF WEAK OXIDATION & LIMONITIC DISCOLOURATION WHICH DISPLAY THE FELDSPARS CLEARLY – CALCAREOUS ONLY IN FRACTURES – WEAK TO MODERATLY MAGNETIC										

LANGRIDGES – TORONTO – 368-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. 87-12 SHEET NO. 3 OF 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
99.1	103.1	(RHYO) DACITE FELDSPAR PORPHYRY - PREVIOUS UNIT GRADES INTO THIS. - NO DISTINCT CONTACT - MODERATELY SILICIOUS, PINKISH ORANGE - WEAK LIMONITIC ALT. - 40% SUB-EUHEDRAL FELDSPAR PHENOCRYSTS - FINE HAIRLINE FRACTURES - NON CALCAREOUS - WEAKLY MAGNETIC - F.W. 70° TO LCA.										
103.1	106.7	SYENITE FELDSPAR/HORNBLENDE PORPHYRY - COARSE GRAINED - 20% LARGE EUHEDRAL K-SPAR PHENOCRYSTS - PINK - 40% - 60% SUB-EUHEDRAL HORNBLENDE 3mm-8mm - 30% - 50% WHITE FELDSPAR SUBHEDRAL, FORMS MATRIX - WEAK POTASSIC ALT. REDDISH PINK - LOCALITIES OF WEAK EP. REPLACEMENT OF PLAGIOCLASE - SEEMS ASSOCIATED WITH FINE HAIRLINE EP. FILLED FRACTURES - LOCAL WEAK LIMONITE FILLED HAIRLINE FRACTURES - NON CALCAREOUS - WEAKLY MAGNETIC 103.5 - 103.7 - 60% LARGE HORNBLENDE LATHS - INTERCONNECTED - APPEARS AS MATRIX WITH LARGE K-SPAR PHENOCRYSTS STILL INTACT. - WEAK CHLORITIZATION OF HORNBLENDE E.O.H. 106.7 METERS	443 444 445 446		103.1 104.1 105.1 106.1	104.1 105.1 106.1 106.7	1.0 1.0 1.0 0.6					

LANGRIDGES — TORONTO — 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS YUKON
HOLE NO. EXT 86-19 LENGTH 23.5 METERS DRILLED
LOCATION VICTORIA MTN TOTAL 62.5 METERS
LATITUDE 4+15N DEPARTURE 21+75 E
ELEVATION 1641 AZIMUTH 340° DIP -45°
STARTED AUG 28 /87 FINISHED AUG 29 /87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°	340°			
62.5	-43°	Rec'd			

HOLE NO. EXT 86-19 SHEET NO. 1 OF 4
REMARKS CARON DD BQ

LOGGED BY A BERRY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	CORE RECOVERY
39.3	62.5	SYENITE FELDSPAR HORNBLENDE PORPHYRY										95%
		- COARSE GRAINED - 20% - 40% SUBHEDRAL KSPAR < 10 MM										
		- 40% SUB-EUHEDRAL HORNBLENDE, VERY LITTLE CHLORITIC ALT. 2MM - 7MM										
		- 50% SUBHEDRAL WHITE PLAGIOCLASE										
		- WHITISH PINK										
		- VERY LITTLE POTASSIC CONTENT										
		- WEAK OXIDATION THROUGH OUT WITH A VERY LIGHT LIMONITIC DISCOLOURATION										
		- LOCAL EPIDOTE REPLACEMENT OF PLAGIOCLASE IN THE FORM OF SMALL (2MM - 3MM) ROUNDED PATCHES										
		- LOCAL EP & LIM FILLED FINE AND HAIRLINE FRACTURES										
		- VIRTUALLY NON CALCAREOUS EXCEPT IN LOCAL HAIRLINE FRACTURES										
		- WEAKLY MAGNETIC										
		- NO K-SPAR "MEGACRYSTS"										
		- CONTAINS A, PRESUMABLY AURIFEROUS, QTZ VIEN										
		- LOCAL WEAK "BRECCIA" ZONES										
		46.7 - 47.6 - WEAK BRECCIATION										
		- HEM. FILLED HAIRLINE FRACTURES AND STRINGERS UP TO 2MM										
		- OCCASSIONAL (10% - 15%) EP & CAL. FILLED STRINGERS TO 1 MM										
		- GENERALLY COMPETENT CORE										
		- REDDISH PINK										
		- CALCAREOUS - IN FRACTURES ONLY										

LANGRIDGES - TORONTO - 366-1168

FORM 1

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. EXT 86-19 SHEET NO. 2 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		49.0 – 3MM-5MM QTZ, K-SPAR VIENLET WITH A SMALL AMOUNT OF EP. ALONG CONTACTS & IN CENTER AS LOCALIZED PATCHES	34447		46.0	47.0	1.0					
			448		47.0	48.0	1.0					
			449		48.0	49.0	1.0					
		– GREENISH WHITE	450		49.0	49.5	0.5					
		– NON CALCAREOUS	476		49.5	50.0	0.5					
		– WEAKLY FRACTURED WITH LIMONITE FILLING	477		50.0	50.9	0.9					
		– ~ 40° TO L.C.A.	478		50.9	51.5	0.6					
		49.9 – 5MM – 8MM QTZ, K-SPAR VIENLET	479		51.5	52.5	1.0					
		– SIMILAR TO ABOVE	480		52.5	53.5	1.0					
		– 20% EP. PATCHES	481		53.5	54.2	0.7					
		– GREENISH WHITE	482		54.2	54.5	0.3					
		– NON CALCAREOUS	483		54.5	54.8	0.3					
		– WEAKLY FRACTURED, HAIRLINE, WITH LIMONITE FILLING	484		54.8	55.2	0.4					
			485		55.2	55.8	0.6					
		50.9 – 51.5 – WEAK BRECCIATION – OXIDIZED	486		55.8	56.6	0.8					
		– MODERATE TO STRONG HEM & LIM ALT.	487		56.6	56.9	0.3					
		– NUMEROUS HAIRLINE FRACTURES FILLED WITH HEM & LIM.	488		56.9	57.9	1.0					
		– VERY WEAKLY CALCAREOUS										
		– MODERATLY MAGNETIC										
		– REDDISH BROWN										
		– INCOMPETENT CORE										
		54.2 – 55.8 – QTZ VEIN										
		– WHITE TO BLUISH WHITE										
		– NO DISTINGUISHABLE CONTACTS										
		– INCLUSIONS OF HOST ROCK – NO HORNBLENDE										
		– LINEATED TO MASSIVE & DRUSY										
		– LIMONITIC HAIRLINE FRACTURES – SOME HEMITITE										
		– APPEARS TO BE A LARGE FRACTURE FILLING – XENOLITHS?										
		– NON CALCAREOUS, NO SULFIDES										
		– BLUISH TINGE YET NO BLUE MINERAL										
		– NO RHYOLITE INCLUSIONS										

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DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. EXT 86-19 SHEET NO. 3 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	
		54.2 - 54.1' - 50% HOST ROCK, NO MB. - SHARP CONTACTS - 35° TO LCA. - WHITISH GREY 54.5 - 54.8 - BLUISH - LINEATED - 70° TO LCA. - LOCAL SMALL SEGMENTS OF HOST ROCK ALSO AT 70° TO LCA - LIMONITIC FRACTURE 54.8 - 55.2 - WHITE - ALMOST MASSIVE, NO LINEATED - DRUSY - WITH LIMONITE IN POCKETS - HOST AT 55.2 - 75° TO LCA. 55.2 - 55.8 - 20% - 30% HOST - LIMONTIC, NO MB - FINE HAIRLINE LIM. FRACTURES - HOST INCLUSIONS SHARP CONTACTS 30° TO LCA 55.4 - 55.6 - PURE QTZ - WEAKLY LINEATED - LIMONITE IN HAIRLINE FRACS - SURROUNDING HOST ROCK IS WEAKLY - VERY WEAKLY OXIDIZED WITH LIGHT LIMONITE DISCOLOURATION - YELLOWISH PINK - OCCASSIONAL LIMONTIC HAIRLINE FRACTURES - WEAKLY CALCAREOUS, WEAKLY MAGNETIC - NO K-SPAR "MEGACRYSTS" 56.7 - 10 MM QTZ VEINLET - 60° TO LCA - EP ON CONTACTS - FINE HAIRLINE LIMONITE FRACTURES - NON CALCAREOUS										

LANGRIDGES – TORONTO – 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY CARMACKS

HOLE NO. EXT. 86-19 SHEET NO. 4 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	
		56.7 - 62.5 — AS ABOVE — WEAKLY OXIDIZED SYENITE PORPHYRY — YELLOWISH PINK — WEAK LIMONITIC ALT. — LOCAL WEAK EP REPLACEMENT OF PLAGIOCLASE — NON CALCAREOUS, WEAKLY MAGNETIC — HORNBLENDE LINEATION ~ 40°-50° TO LCA. EOH 62.5 METERS										

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