

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

2

HOLE NUMBER: 8495

DATE: 10/28/2000

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: NRHY PLOTTING COORDS GRID: Mine Grid ALTERNATE COORDS GRID: COLLAR DIP: -56°30' 0"
 PROJECT NUMBER: NORTH: 66269.50N NORTH: + LENGTH OF THE HOLE: 1695.00M
 CLAIM NUMBER: LM 150 EAST: 65545.50E EAST: + START DEPTH: 0.00M
 LOCATION: 28 Exploration Drive ELEV: 2487.50 ELEV: FINAL DEPTH: 1695.00M

COLLAR ASTRONOMIC AZIMUTH: 292° 0' 0"

GRID ASTRONOMIC AZIMUTH: 0° 0' 0"

DATE STARTED: 01/18/2000
 DATE COMPLETED: 04/16/2000
 DATE LOGGED: 05/29/2000

COLLAR SURVEY: NO
 MULTISHOT SURVEY: YES
 RQD LOG: YES

PULSE EM SURVEY: YES
 PLUGGED: NO
 HOLE SIZE: NQ

CONTRACTOR: N. Morissette
 CASING:
 CORE STORAGE:
 UTM COORD.:

COMMENTS : Drilled to test Hinge zone at 58L
 WEDGES AT: 303m 429m 492m 735m 819m

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
15.00	293°30' 0"	-56°36' 0"	S		20' Polk Control drilling	429.00	294° 6' 0"	-51°36' 0"	-S	OK	Wedge #2 @429m (2:30)
30.00	291°42' 0"	-56°30' 0"	S	OK	20' Polk Control	441.00	293°42' 0"	-51°48' 0"	-S	OK	
45.00	291°42' 0"	-56°30' 0"	S	OK	20' Polk Control	447.00	296°18' 0"	-52°18' 0"	-S	OK	5' round
60.00	292°48' 0"	-55°54' 0"	S		20' Polk Control	456.00	298°12' 0"	-52°18' 0"	-S	OK	
75.00	291°48' 0"	-55°42' 0"	S	OK	20' Polk Control	477.00	295° 6' 0"	-51°54' 0"	-S	OK	20' Polk
90.00	291°48' 0"	-55°42' 0"	S	OK	20' Polk off control	492.00	294°54' 0"	-51°54' 0"	-S	OK	Wedge #3 @492m (3:00)
105.00	291°48' 0"	-55°42' 0"	S	OK	20' Polk	504.00	297°42' 0"	-50°24' 0"	-S	OK	
120.00	291°48' 0"	-55°12' 0"	S	OK	20' Polk	534.00	296°54' 0"	-50°18' 0"	-S	OK	20' Polk
135.00	291°42' 0"	-54°54' 0"	S	OK	20' Polk	564.00	298°30' 0"	-49°48' 0"	-S	OK	20' Polk
150.00	292°48' 0"	-54°42' 0"	S	OK	20' Polk	594.00	298° 6' 0"	-49°12' 0"	-S	OK	
165.00	293°24' 0"	-54°24' 0"	S		20' Polk	624.00	298°18' 0"	-48°42' 0"	-S	OK	20' Polk Control
180.00	293° 0' 0"	-54°12' 0"	S	OK	Change to 10' round barrel	654.00	297°48' 0"	-48°12' 0"	-S	OK	20' Polk Control
210.00	295°30' 0"	-53°30' 0"	S	OK		684.00	298° 0' 0"	-47°42' 0"	-S	OK	20' Polk off control
237.00	296° 0' 0"	-53° 0' 0"	S	OK		714.00	298°48' 0"	-47°48' 0"	-S	OK	20' Polk
267.00	295°12' 0"	-52°12' 0"	S	OK		735.00	299° 6' 0"	-47°18' 0"	-S	OK	Wedge #4 @735m (1:00)
297.00	294°24' 0"	-51° 0' 0"	S	OK		747.00	300°24' 0"	-46°48' 0"	-S	OK	20' round (standard) barrel
309.00	298°30' 0"	-51°42' 0"	S	OK	Wedge #1 @303m (2:30)	777.00	300°18' 0"	-45°42' 0"	-S	OK	20' round barrel
339.00	297°18' 0"	-51°48' 0"	S	OK	20' round	807.00	302°12' 0"	-46°30' 0"	-S	OK	Wedge #5 @819m (12:00)
369.00	297° 0' 0"	-51°30' 0"	S	OK	20' round	831.00	303°42' 0"	-44°18' 0"	-S	OK	5ft core barrel
399.00	295°48' 0"	-51° 6' 0"	S	OK	20' round	844.50	303°24' 0"	-43° 6' 0"	-S	OK	5ft core barrel
429.00	294° 6' 0"	-51°36' 0"	S	OK	Wedge #2 @429m (2:30)	858.00	302°36' 0"	-43° 6' 0"	-S	OK	5ft core barrel
441.00	293°42' 0"	-51°48' 0"	S	OK		870.00	303°48' 0"	-42°24' 0"	-S	OK	5ft core barrel
447.00	296°18' 0"	-52°18' 0"	S	OK	5' round	883.00	302°48' 0"	-41°42' 0"	-S	OK	5ft core barrel
456.00	298°12' 0"	-52°18' 0"	S	OK		895.00	304°42' 0"	-41° 6' 0"	-S	OK	5ft core barrel
477.00	295° 6' 0"	-51°54' 0"	S	OK	20' Polk	924.00	304°12' 0"	-40°30' 0"	-S	OK	20' standard core barrel

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DRILL HOLE RECORD

LOGGED BY: D. Richardson

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David Richardson

Oct 27 2000

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DRILL HOLE RECORD

HOLE NUMBER: 8495

DATE: 10/28/2000
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: NRYH PLOTTING COORDS GRID: Mine Grid ALTERNATE COORDS GRID: COLLAR DIP: -56°30' 0"
PROJECT NUMBER: NORTH: 66269.50N NORTH: + LENGTH OF THE HOLE: 1695.00M
CLAIM NUMBER: LM 150 EAST: 65545.50E EAST: + START DEPTH: 0.00M
LOCATION: 28 Exploration Drive ELEV: 2487.50 ELEV: FINAL DEPTH: 1695.00M

COLLAR ASTRONOMIC AZIMUTH: 292° 0' 0" GRID ASTRONOMIC AZIMUTH: 0° 0' 0"

DATE STARTED: 01/18/1900 COLLAR SURVEY: NO PULSE EM SURVEY: YES CONTRACTOR: N. Morissette
DATE COMPLETED: 04/16/1900 MULTISHOT SURVEY: YES PLUGGED: NO CASING:
DATE LOGGED: 05/29/1900 RQD LOG: YES HOLE SIZE: NQ CORE STORAGE:
UTM COORD.:

COMMENTS : Drilled to test Hinge zone at 58L
WEDGES AT: 303m 429m 492m 735m 819m

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
492.00	294°54' 0"	-51°54' 0"	S	OK	Wedge #3 @492m (3:00)	954.00	306° 0' 0"	-39°42' 0"	-S	OK	20' standard core barrel
504.00	297°42' 0"	-50°24' 0"	S	OK		984.00	308°48' 0"	-39° 6' 0"	-S	OK	20' round core barrel
534.00	296°54' 0"	-50°18' 0"	S	OK	20' Polk	1044.00	310°12' 0"	-36°48' 0"	-S	OK	20' round core barrel
564.00	298°30' 0"	-49°48' 0"	S	OK	20' Polk	1104.00	314°24' 0"	-35° 0' 0"	-M	OK	20' standard (round) barrel
594.00	298° 6' 0"	-49°12' 0"	S	OK		1164.00	317°24' 0"	-33°42' 0"	-M	OK	Azimuth Flashing
624.00	298°18' 0"	-48°42' 0"	S	OK	20' Polk Control	1224.00	318°24' 0"	-32° 6' 0"	-M	OK	Azimuth Flashing (20' rnd)
654.00	297°48' 0"	-48°12' 0"	S	OK	20' Polk Control	1284.00	322°12' 0"	-30°30' 0"	-M	OK	Az Flashing (20' round)
684.00	298° 0' 0"	-47°42' 0"	S	OK	20' Polk off control	1344.00	325°30' 0"	-29°12' 0"	-M	OK	Az Flashing (20' round)
714.00	298°48' 0"	-47°48' 0"	S	OK	20' Polk	1404.00	326°30' 0"	-26°30' 0"	-M	OK	Az Flashing (20' round)
735.00	299° 6' 0"	-47°18' 0"	S	OK	Wedge #4 @735m (1:00)	1464.00	330°18' 0"	-25°42' 0"	-M	OK	20' round core barrel
747.00	300°24' 0"	-46°48' 0"	S	OK	20' round (standard) barrel	1524.00	333°30' 0"	-21°24' 0"	-M	OK	20' round core barrel
777.00	300°18' 0"	-45°42' 0"	S	OK	20' round barrel	1584.00	336° 6' 0"	-20°24' 0"	-M	OK	20' round core barrel
807.00	302°12' 0"	-46°30' 0"	S	OK	Wedge #5 @819m (12:00)	1644.00	337°54' 0"	-19° 0' 0"	-M	OK	20' round core barrel
831.00	303°42' 0"	-44°18' 0"	S	OK	5ft core barrel	-	-	-	-	-	-
844.50	303°24' 0"	-43° 6' 0"	S	OK	5ft core barrel	-	-	-	-	-	-
858.00	302°36' 0"	-43° 6' 0"	S	OK	5ft core barrel	-	-	-	-	-	-
870.00	303°48' 0"	-42°24' 0"	S	OK	5ft core barrel	-	-	-	-	-	-
883.00	302°48' 0"	-41°42' 0"	S	OK	5ft core barrel	-	-	-	-	-	-
895.00	304°42' 0"	-41° 6' 0"	S	OK	5ft core barrel	-	-	-	-	-	-
924.00	304°12' 0"	-40°30' 0"	S	OK	20' standard core barrel	-	-	-	-	-	-
954.00	306° 0' 0"	-39°42' 0"	S	OK	20' standard core barrel	-	-	-	-	-	-
984.00	308°48' 0"	-39° 6' 0"	S	OK	20' round core barrel	-	-	-	-	-	-
1044.00	310°12' 0"	-36°48' 0"	S	OK	20' round core barrel	-	-	-	-	-	-
1104.00	314°24' 0"	-35° 0' 0"	M	OK	20' standard (round) barrel	-	-	-	-	-	-
1164.00	317°24' 0"	-33°42' 0"	M	OK	Azimuth Flashing	-	-	-	-	-	-

HOLE NUMBER: 8495

DRILL HOLE RECORD

LOGGED BY: D. Richardson

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 159.90	<D,P> Pillowed Dacite	<p>PILLOWED DACITE</p> <p>-Dark green</p> <p>-Fine grained crystalline (<1mm grain size) to aphanitic. Predominately <=0.1mm 40% white feldspar grains and 45% dark green amphibole or pyroxene grains</p> <p>-Pillow selvages vary in spacing (outlined below) but are generally 1-1.5m apart</p> <p>-Selvages are 1.0-10.0 cm wide and are filled with chlorite, angular mafic fragments, trace Pyrrhotite and in some instances traces of graphite</p> <p>-Variolites (devitrification features) are abundant at selvage margins</p> <p>-Varying abundance of vesicles from nil to 10%. Vesicles are tend to be concentrated on some selvage margins</p> <p>-Non magnetic. Suceptibility measured between 0.40-0.60 with higher values of up to 4.0 over Pyrrhtite bearing selvages</p> <p>Weak schistosity <-Fol 40°></p> <p>At 131.0m lineations were found having a 70° rake on the plane of schistosity</p> <p> 95.0-95.2 <FLT> moderate quartz-carb filled fault at 45° TCA</p> <p> 99.8-100.3 <FLT> broken core</p> <p> 110.3-110.4 <FLT> broken core</p> <p>0.0-15.5 Trace Pyrrhotite in selvages. Trace vesicles (<=1%) and variolites (devitrification features in mafics). Selvages spaced 1.0-1.5m at 50-30° TCA</p> <p>15.5-17.1 4-5% Pyrrhotite blebs in selvages with trace Chalcopyrite exsolution.</p> <p>17.1-37.3 1-2% Pyrrhotite blebs primarily within selvages</p> <p>37.3-37.5 graphitic interflow selvage with 20-30% fine disseminated semi-massive Pyrrhotite grains.</p>		<p>Strong pervasive chlorite alteration</p> <p>Strong pervasive carbonate alteration</p> <p>Local trace of bleaching giving mafics a lighter green colour</p> <p>Minor quartz-carbonate veins 0.1-1.0cm wide trending 30-50° TCA</p>	See texture and structure	<p>Tops vaguely indicated in a downhole direction.</p> <p>Drill hole is interpreted to run subparallel to stratigraphy in this area of mafics. Angles TCA should improve after 800.0m</p>

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>Weakly conductive</p> <p>37.5-61.5 Trace-1% disseminated 0.1-1.0cm Pyrrhotite blebs.</p> <p>61.5-101.9 increased vassicles to 2-5% (1-2mm) from nil-1% in previous intervals Tops vaguely indicated downhole as some selvages have slightly more abundant vassicles on their uphole sides. Very weak pervasive bleaching. At 80.0m selvage rotates from 10° TCA to 0° TCA to 10° TCA in the other direction. Suggests drilling parallel to stratigraphy or drilling along the margin of a selvage. At 91.4m pillow margin is more scoriaticous on the downhole side indicating that tops are uphole. A possible reversal in bedding from 60m</p> <p>101.9-126.6 vassiculated pillowed mafic volcanic with 2-5% 1-4mm round quartz-carbonate filled vassicles also filled with trace amounts of Pyrrhotite, Pyrite, very minor (rarely) chalcopryite, possible Sphalerite (see assays), and a dirty brown/rusty carbonate mineral that looks like Sphalerite. Strong chlorite alteration in 1-4mm primary fractures and plane of schistosity. Tops indicated in a downhole direction from vassicles being more abundant on uphole side of selvages. Selvage angles range from 10 to 50° TCA.</p> <p>126.6-139.0 1-2% 1-3mm vassicles and slightly fewer selvages. Trace Pyrrhotite primarily in vassicles and on plane of schistosity. Tops indicated downhole by vassicles at 134.0m</p> <p>139.0-159.9 2-5% round 1-4mm quartz-carbonate filled vassicles. Trace Pyrrhotite and very trace amounts of Chalcopryite in vassicles. Selvages more abundant and wider than previous interval. Spacing is 1 selvage per 0.4-0.6m. Trace epidote in selvages. Selvage angles vary from 10-45° TCA. Tops indicated downhole by vassicles at 142.7m. Moderate chlorite alteration in selvages, primary fractures and plane of schistosity. Upper contact to interval</p>				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
159.90 TO 177.90	«D,M» Massive Dacite	<p>is marked by 0.6m section of mafic autobreccia with 0.1-2.0cm closely spaced (jigsaw fit) angular mafic fragments</p> <p>Lower contact gradational</p> <p>MASSIVE DACITE</p> <p>-Dark green -Fine grained <=1mm crystalline. -25-30% <1mm white feldspar grains -Trace <<1mm white leucoxene grains -Selvages are either very obscure and rare or non existant. -Trace <<1% 1mm white quartz filled round amygdules -Massive looking -Non magnetic. Suceptibility measured at 0.43-0.5 at margins to unit and up to 0.9 in interior of unit.</p> <p>Very weak schistosity « Fol 45° »</p> <p>No structures. Joint set subparallel to schistosity</p> <p>Lower contact marked by irregular 1cm wide white quartz-carbonate vein</p>		<p>Moderate pervasive chlorite</p> <p>Locally strong pervasive carbonate alteration. Moderate 1-2mm fracture controlled carbonate alteration</p>	<p>Trace (<0.5%) disseminated 1mm Pyrrhotite blebs</p>	
177.90 TO 456.70	«D,P» Pillowed Dacite	<p>PILLOWED DACITE</p> <p>-Dark green -Fine grained crystalline <1mm grain size -Pyrrhotite filled amygdules having size and abundance listed below -Selvages are spaced approximately 1.5m apart -Non magnetic. Suceptibility variable and measured between 0.5-1.0</p> <p>Very weak schistosity « Fol 50° »</p> <p>‡ 193.2-193.5‡ «FLT» broken core ‡ 198-202,9‡ «FLT» weak shearing at 25° TCA quartz-carbonate in shear zone</p>		<p>Moderate pervasive chlorite</p> <p>Strong pervasive quartz-carbonate veining</p> <p>Minor quartz-carbonate veining except between 198-202.9m where quartz-carbonate is abundant</p>	<p>See texture and structure</p> <p>Note Pyrrhotite filled amygdules</p>	<p>Wedge at 441m (lost core from 429.0-432.0m)</p>

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>‡254.0-255.0‡ «FLT» weakly broken core</p> <p>‡262.3-263.1‡ «FLT» strong fault with broken core</p> <p>‡266.2-266.3‡ «FLT» weak slip planes with trace gouge trending 25° TCA. Quartz-carbonate along margins of slips</p> <p>‡284.8-285.1‡ «FLT» minor broken core</p> <p>‡331.2-331.5‡ «FLT» two moderate faults trending 30° TCA with minor shearing, grit and broken core</p> <p>‡400.5-400.7‡ weakly fractured core with fracture trending 20° TCA</p> <p>‡424.3-424.5‡ «FLT» broken core</p> <p>177.9-198.0 amygdaloidal pillowed mafic volcanic with 2-3% amygdules preferentially located along selvage margins. Some selvages are filled with trace amounts of Pyrrhotite and a mineral that looks like Sphalerite (check assays). Tops difficult to discern</p> <p>198.0-202.9 weakly sheared mafic volcanic. Interval contains abundant quartz carbonate veins parallel to shearing at 25° TCA. Trace white round 1-2mm quartz-carbonate filled amygdules. Trace Pyrrhotite blebs</p> <p>202.9-262.0 amygdaloidal pillowed mafic volcanic with 1% round 1-2mm white quartz carbonate filled amygdules. Selvages spaced approximately 1.5m apart. Tops very difficult to discern and one amygdule rich downhole selvage margin indicates tops could be uphole at that point. Trace Pyrrhotite blebs in selvages and amygdules. Trace variolites around some selvage margins. Trace Chalcopyrite on slip plane at 241.5. Lower contact to interval marked by fault</p> <p>262.0-295.4 more massive looking pillowed mafic volcanic. Trace 1mm round amygdules. Selvages are spaced 1.5-3.0m apart and unit as a whole looks more massive. Moderate quartz-carbonate veining with 0.5-20.0cm wide veins at 30° TCA. Trace epidote along margins of quartz veins. Trace (<1%) Pyrrhotite blebs. Trace smeared Pyrite and Pyrrhotite in chloritic selvage margins. Vague indication of tops uphole at 278.5m with a</p>				

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>greater % of vesicles on the downhole side of the selvage. (5% on downhole side as opposed to 2% on uphole side). Magnetic susceptibility measured between 0.5-0.7. Strong pervasive carbonate alteration.</p> <p>295.4-347.5 venticular (clear quartz filled amygdules) pillow basalt with slightly more scoriatic selvages and selvage margins. Selvages trend 0-40° TCA. 1-2% 1-3mm round clear quartz filled amygdules having up to 5% concentration adjacent to selvages, Trace 1-2mm Pyrrhotite blebs in primary chloritic fractures. « Fol 55° » 1mm blebs of Pyrite in amygdules at 317m. Autobreccia is observed around selvages towards lower portion of interval.</p> <p>347.5-359.0 pillow basalt with less scoriatic pillow selvages than previous unit. <1% 1-2mm clear quartz filled vesicles. Selvages trend 50° TCA. Strong pervasive carbonate alteration. Trace (<0.5%) 1mm Pyrite blebs</p> <p>359.0-410.4 scoriatic pilowed mafic volcanic with 2-10% 1-5mm round clear and milky quartz filled amygdules. Trace variolites at selvage margins. Trace (<0.5%) disseminated 1mm Pyrite cubes. 402-410.4 Amygdules contain 1-2mm Pyrrhoite grains with minor chalcopyrite exsolution. Tops difficult to discern except amygdules increase in concentration from 407.9 to selvage and lower contact of unit at 410.4m indicating tops are downhole. Moderate to strong pervasive carbonate alteration.</p> <p>410.4-429.0 pillowed mafic volcanic. <1% 1-2mm round quartz filled amygdules. Trace 1mm blebs of Pyrite. Selvages are spaced every 2.0-3.0m. Trace epidote in quartz veins. Quartz vein from 404.9-405.3. Minor quartz-carbonate veining</p> <p>429.0-432.0 no core recovery</p> <p>432.0-456.7 amygdaloidal pillow basalt with 2-10% round 1-5mm clear and white quartz filled amygdules. Minor Pyrrhotite grains found in some</p>				

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456.70 TO 468.00	<A/D1> Andesite/ Diorite Type 1	<p>amygdules. Vague indication of tops being uphole as margins to selvages are more scoriaticious on the downhole side (e.g. 10-12% 5mm round amygdules on downhole side of selvage and 1-5% 1-2mm amygdules on uphole side of selvage) Trace Pyrrhotite. Selvages rotate from trends of 40° to 0° to 40° in other direction.</p> <p>Lower contact sharp at 60° TCA marked by 5mm wide carbonate along contact</p> <p>ANDESITE/DIORITE TYPE 1</p> <p>-Dark green -Chilled fine grained upper contact, fine to medium grained interior down to faulted lower contact. -Massive -1mm white leucoxene grains -Non magnetic. Suceptibility varies from 0.5-0.7</p> <p>Very weak schistosity « Fol 55° »</p> <p> 467.5-467.7 broken core trending 30° TCA 467.9-468.8 broken core (faulted lower contact)</p> <p>Lower contact faulted by broken core described in fault above</p>		<p>Strong pervasive carbonate alteration</p> <p>Increasing quartz-carbonate veining to 10% towards lower contact with associated epidote in veins.</p>	Trace (<0.5%) <1mm disseminated Pyrite cubes	Lower contact faulted by 0.9m of broken core
468.00 TO 475.50	<D,P> Pillowed Dacite	<p>PILLOWED DACITE</p> <p>-Dark to medium green -Fine grained (aphanitic) -Rare selvages spaced 3m apart. Selvages have hyaloclastitic interiors with 1-8mm angular chloritic shards in an fine aphanitic carbonated mafic matrix -1-3mm primary chloritic fractures containing 2-3% Pyrrhotite with trace chalcopyrite exsolution -Trace 1-8mm round clear quartz filled vessicles towards lower contact -Weakly magnetic over Pyrrhotite blebs. Suceptibility measured at 0.40 in areas without Pyrrhotite and 1.4-1.7 over areas with Pyrrhotite</p>		<p>Variable strong to weak pervasive carbonate alteration</p> <p>Chlorite alteration in primary cooling-hydrothermal related fractures</p> <p>5% quartz-carbonate veins oriented from 30-65° TCA</p>	2-3% disseminated 1-4mm Pyrrhotite blebs in chloritic primary fractures with minor (<0.1%) chalcopyrite exsolution	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
475.50 TO 481.10	«A/D1» Andesite/ Diorite Type 1	<p>Weak schistosity « Fol 50° »</p> <p>Lower contact sharp at 40° TCA</p> <p>ANDESITE/DIORITE TYPE 1</p> <p>-Dark green -Chilled upper contact and medium grained interior. Fine grained lower contact after fault zone from 479.0-479.7m -1mm chloritized pyroxenes or hornblende -1mm feldspar grains -1-2mm (very slightly) pinkish white leucoxene grains -Massive -Non magnetic. Suceptibility measured at 0.6-1.1</p> <p>Schistosity too weak to measure (if any)</p> <p>‡ 479.0-479.7 broken core (faulted lower contact)</p> <p>Lower contact vague but volcanic textures appear just after 481.1m</p>		<p>Strong pervasive chlorite alteration.</p> <p>Strong pervasive carbonate alteration</p>	<p>Trace (<0.5%) disseminated 1mm Pyrrhotite blebs</p>	
481.10 TO 695.10	«D,P» Pillowed Dacite	<p>PILLOWED DACITE</p> <p>-Dark to medium green -Fine grained crystalline with grain size < 1mm -Selvages are 1-5cm wide and are filled with fine chlorite, quartz, and mafic volcanic shards and matrix. Selvages vary in spacing from 0.1-3m apart and are 10-60° TCA -Non magnetic. Suceptibility measured from</p> <p>Weak schistosity « Fol 50° »</p> <p>‡ 598.2-598.4 «FLT» broken core ‡ 598.6-598.9 «FLT» broken core</p> <p>Bull white quartz veins from 671.9-672.8 674.2-675.0</p>		<p>Weak pervasive chlorite alteration</p> <p>Nil-weak pervasive carbonate alteration</p> <p>Nil-minor quartz-carbonate veining</p> <p>511.0-513.0 5% quartz-carbonate veining</p>	<p>Trace (<0.5%) Pyrrhotite in primary cooling/hydrothermal fractures</p> <p>see texture and structure</p>	<p>492.0-495.0 No core. Wedge reamed core for this 3m interval</p>

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>481.1-501.0m selvage spacing variable 0.1-3.0m apart. 10cm spacing at upper contact</p> <p>501.0-535.0 selvage spacing regular at 1.5m apart. Selvages are filled with angular chloritic 1-5mm hyaloclastite shards in a chloritic matrix. Selvage margins are weakly bleached to off white colour. Trace (<0.5%) 1-2mm round clear quartz filled vesicles. 30cm wide hyaloclastitic selvage (10° TCA) at 329.5m.</p> <p>535.0-539.3 massive mafic volcanic (intrusive?) with 2-4% 1-2mm clear quartz filled vesicles containing trace amounts of Pyrrhotite. 5% <1mm white leucoxene grains. Interval would look like an intrusive if it weren't for the vesicles</p> <p>539.3-589.6 pillowed mafic volcanic with hyaloclastitic selvages. Selvages are spaced approximately 1.5m apart and range in angle from 0-50° TCA. 2-3% Pyrrhotite blebs concentrated in primary fractures and selvages. Minor chalcopyrite exsolution in some Pyrrhotite blebs. Interval becomes lighter green (gets closer to bleached olive green) towards lower contact. 4cm wide quartz-carbonate filled selvage with 30% 1mm Pyrrhoite blebs. 80% interval is strongly carbonated and ~20% of interval is nil-weakly carbonated. 10cm wide weakly conductive graphitic selvages (containing 10-20% fine Pyrrhotite) at 569.8 and 575.0. Trace 1mm blebs of chalcopyrite on slip plane at 589.5. Interval becomes more massive towards 589.6</p> <p>589.6-605.0 massive looking mafic volcanic. Strongly carbonated giving unit a weak grey bleached tinge. Interval contains 1-4cm round/ovoid beige patches that could be either rip-up clasts or strongly carbonated patches. This interval could possibly be intrusive.</p> <p>605.0-637.0 vesicular pillowed mafic volcanic with Pyrrhotite in selvages and scoriaticous pillow margins. Selvages are 1-10cm wide and are filled with carbonate, fine graphite (in most selvages), Pyrrhotite, and chlorite. Selvages are</p>				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>moderately conductive. 2-4% Pyrrhotite blebs primarily concentrated in selvages. Minor Chalcopyrite exsolution from Pyrrhotite blebs. Magnetic susceptibility up to 4.89 over Pyrrhotite rich intervals. Tops possibly downhole as indicated by vesicular lower contact (at 637.0) and possible flame structures in interflow sediments pointing downhole (at 637.0). Strong pervasive carbonate alteration. Feldspar phenocrysts increase in concentration and size towards lower contact up to 5-10% concentration and 0.5-2.0cm.</p> <p>637.0-658.1 massive mafic volcanic. 1% disseminated 1-5mm feldspar phenocrysts. Strong carbonate veining from 645.0-647.0. Trace (<0.5%) disseminated Pyrrhotite blebs. Minor graphite in fractures within 2-3m of upper contact of interval.</p> <p>658.1- pillowed mafic volcanic having graphitic and hyaloclastitic selvages. Some graphitic selvages are moderately conductive (not likely connective conductivity). 1% Pyrrhotite blebs in interval primarily concentrated in selvages. Vessicle concentration varies from nil in interior of pillows to 5% adjacent to selvages. 1-3mm euhedral white feldspar phenocrysts grade from <1% to 1% concentration towards 690m. Graphitic selvage at 691.4-691.6 sampled.</p> <p>Lower contact marked by disappearance of selvages and a massive vassiculated mafic flow margin (top?). Tops possibly uphole (see description in next unit)</p>				
695.10 TO 759.30	«D,M» Massive Dacite	<p>MASSIVE DACITE</p> <p>-Dark green -Fine to medium grained -Local 1mm white leucoxene grains -Minor vassiculated intervals outlined below -1-10mm white euhedral feldspar phenocrysts varying in concentration from 0-2% -Massive</p>		<p>Moderate pervasive chlorite alteration</p> <p>Moderate quartz-carbonate veining</p>	Trace (<0.5%) disseminated Pyrrhoite blebs	Wedge at 735m. Lost core 735-736m

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>-Non magnetic except over rare Pyrrhotite blebs. Suceptibility varies from 0.33 to 1.10</p> <p>Very weak schistosity « Fol 45-50° »</p> <p>695.1-695.7 increasing vessicles to upper contact suggesting tops are uphole.</p> <p>695.7-711.0 massive mafic with rare 1-2mm vesticulated intervals</p> <p>711.0-716.8 1-2% 2-5mm round vessicles 716.8-massive mafic volcanic</p> <p>716.8-744.0 massive mafic volcanic</p> <p>744.0-753.0 intrusive looking (A/D1 type) interval with 1mm chloritized pyroxenes or hornblende and 4% 10mm euhedral white feldspar phenocrysts</p> <p>753.0-759.3 massive mafic volcanic with very trace amounts of graphite in fractures</p> <p>Lower contact slightly gradational over 1m</p>				
759.30 TO 1066.10	«D,P» Pilowed Dacite	<p>PILLOWED DACITE</p> <p>-Dark green</p> <p>-Fine grained with <=1mm grain size</p> <p>-1-2cm wide selvages having spherulitic (devitrification) margins and chloritic interiors typically at 30-50° TCA</p> <p>-1% disseminated 1-3mm euhedral white feldspar phenocrysts</p> <p>-1-2% vessicles 1-4mm in size adjacent to selvage margins</p> <p>-Non magnetic. Suceptibility measured at 0.4-0.7</p> <p>Very weak schistosity « Fol 45° »</p> <p>‡ 778.5-778.7 ‡ «FLT» broken core</p> <p>‡ 785.1-785.6 ‡ «FLT» broken core</p>		<p>Moderate pervasive chlorite</p> <p>Strong pervasive carbonate alteration</p>	<p>Trace (<0.5%) iron sulphides (see texture and structure)</p>	<p>2. 20663</p>

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		759.3-796.6 pillowed mafic volcanic trace disseminated (<0.5%) 1mm Pyrrhotite blebs				
		796.6-832.8 massive mafic volcanic with minor 1-2mm primary cooling fractures distinguishing it from intrusive A/D. Trace disseminated 1mm Pyrite cubes. 820.8-821.3 and 824.0-824.1 minor 1-2cm wide discontinuous bedded graphitic interflow zones containing 20% Pyrrhotite and trace chalcopyrite exsolution. Bedded 20° (first interval) 60° TCA (second unit)				
		832.8-842.5 vesicular mafic volcanic having 5-10% 1-10mm round clear quartz filled and milky quartz-carbonate amygdules. Nil-trace <1mm Pyrite blebs				
		842.5-862.1 massive mafic volcanic cut by numerous (10% of unit) 1-10cm wide quartz-carbonate veins.				
		862.1-912.5 massive mafic volcanic with minor quartz-carbonate veining and occasional 1-5cm wide selvages. 3cm wide Pyrrhotite bleb at 891.5. Wide variety in magnetic susceptibility from 0.28-1.04.				
		912.5-1031.1 pillowed mafic volcanic with 1-5cm wide selvages between 5-30° TCA filled with chlorite and trace amounts of graphite and sulphides (Pyrrhotite with trace Chalcopyrite exsolution). 0.5-1m intervals of vesicular mafic volcanic spaced approximately 5m apart. Minor spherulites adjacent to selva margins. Nil to trace disseminated 1mm white leucoxene grains. Graphitic zone sampled from 923.4-923.9, 925.7-926.3, 1010.1-1010.4, 1011.5-1011.6				
		1031.1-1066.1 fine grained massive looking mafic volcanic. Very few textures. Minor 1-2mm primary cooling/hydrothermal fractures. Trace disseminated 1-2mm grains of Pyrite and Pyrrhotite. Strong pervasive carbonate alteration				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
1066.10 TO 1068.10	«BA» Black Argillite	<p>Lower contact sharp at 25° TCA</p> <p>BLACK ARGILLITE</p> <p>-Dark black -Fine grained and "sooty" -Bedded at 25° TCA 1-2mm wide black sooty argillaceous beds mixed with grey Pyrrhotite bearing beds -50% of unit is faulted with gouge and broken core -Moderate to strongly conductive. Strongly conductive over fault zone in unit -Strongly magnetic over Pyrrhotite in unit. Suceptibility measured between 2.0-8.0</p> <p>Strong schistosity « Fol 30° »</p> <p> 1066.1-1066.5 broken core 1067.7-1068.1 strong shearing, broken core, and gouge</p> <p>Lower contact faulted</p>		<p>Strong carbonaceous (graphitic alteration)</p> <p>Strong patchy carbonate alteration</p>	5-6% disseminated Pyrrhotite	Graphite and fault zone likely make this unit a strong conductor
1068.10 TO 1070.10	«D,P» Pillowed Dacite	<p>PILLOWED DACITE</p> <p>-Dark green -Fine grained, crystalline <1mm grain size -Selvages spaced approximately 1 every 5m, are oriented 30-50° TCA, and are filled with chlorite, Pyrrhotite, and mafic shards. Some selvages have spherulitic margins. -Some selvages are filled with graphite between 1128.0-1160.0m (some assay samples of the graphite taken) -Nil vessicles except near occassional slevage margins. Vessicles are more abundant on the uphole side of selvages indicating tops are possibly downhole -Non magnetic. Magnetic suceptibility measured at 0.43</p> <p>Foliation is very weak « Fol 40° »</p>		<p>Variable moderate to strong pervasive carbonate alteration</p> <p>Typical greenschist facies mafic volcanic chlorite alteration</p> <p>Minor quartz-carbonate veining 1-3% of unit having angles from 0-60° TCA</p> <p>Bleaching noted in texture and structure intervals</p>	<p>Trace (<0.5%) disseminated 1mm Pyrite and Pyrrhotite grains</p> <p>Minor magnetic Pyrrhotite infilling vessicles at 1158.0-1159.7</p> <p>Minor Pyrrhotite blebs locally up to 10% noted in graphitic selvages between 1128.0-1160.0 and 1188.0-</p>	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p> 1146.3-1146.5 «FLT» weak fault, broken and sheared core at 30° TCA</p> <p> 1198.8-1199.0 «FLT» weak fault, broken core at 20° TCA</p> <p> 1201.6-1202.8 «FLT» weak fault, broken core and trace gouge possibly at 30° TCA</p> <p> 1268.0-1268.5 «FLT» broken core</p> <p>1068.0-1128.0 pillowed mafic volcanic</p> <p>1128.0-1160.0 minor interflow or interpillow (selvage) graphite. Tops indicator at 1159.8 vassicles more abundant on uphole side of selvage. Minor spherulites on selvage margin</p> <p>1160.0-1176.0 pillowed mafic volcanic</p> <p>1176.0-1188.0 more massive looking mafic volcanic with disseminated <1mm white leucoxene grains (check WR chem for high TiO2)</p> <p>1188.0-1251.0 pillow basalt. Some selvages contain minor weakly conductive graphite and Pyrrhotite (possibly but not likely conductive or connective enough to create a large PEM anomaly). Graphitic selvages at 1191.0m, 1195.5m, 1207.4m, 1216.5m, 1222.3m, 1225.3m, 1240.3m, 1246.5m. Primary core angles (e.g. selvages flow related fractures) range from 50 to 10° TCA</p> <p>1251.0-1254.8 feldspar porphyritic mafic volcanic. 2-5% 1-10mm subhedral white feldspar phenocrysts. Massive looking with only trace primary flow fractures</p> <p>1254.8-1271.5 pillowed mafic volcanic with minor 2-10cm wide 1255.2 weakly conductive graphitic selvages. Graphitic selvages are at 1255.2, 1259.2, 1261.1, 1264.4. 2-10% Pyrrhotite blebs contained in graphitic selvages. Not connective enough to form PEM anomaly. Trace-2% round 1-2mm vassicles</p> <p>1271.5-1287.1 light green (not quite olive colour) bleached pillowed mafic volcanic. Very</p>				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>strong pervasive carbonate alteration possibly mixed with sericite (likely cause of light green colour). Selvages are vague, 1-5cm wide, are at 25-45° TCA, and are spaced 1-2m apart.</p> <p>1287.1-1352.9 Feldspar porphyritic, leucocene bearing, vassiculated pillowed mafic volcanic. 1% locally variable 1-3mm subhedral white feldspar phenocrysts and minor <1mm white leucocene grains. Selvages are spaced from 1 to 5m apart. Nil to 1% 1mm round vassicles increasing in abundance towards pillow selvages. Nil to trace Pyrite and Pyrrhotite. Alternating dark green and light green intervals. Dark green intervals may have fine pervasive graphite giving them a darker colour. One isolated graphitic selvage at 1328.0. Topping directions are difficult to determine. Both directions indicated from vassicle concentration adjacent to selvages</p> <p>1352.9-1371.0 light green pillowed and autobrecciated mafic volcanic. Autobreccia has 70-80% 1-4mm angular clasts in a fine dark chloritic matrix. Autobrecciated sections are 10-30cm in length and are spaced approxiamtely 1-2m apart. Selvages are 1-5cm wide and are filled with fine dark green/black chloritic material. 1-3% 1-5mm euhedral white feldspar phenocrysts.</p> <p>1371.0-1467.4 dark green pillowed mafic volcanic. Minor autobrecciated intervals. Autobreccia clasts are vesiculated. 1-5% round quartz filled vesicles. Vague selvages 1-10cm wide and filled with chlorite, 0.2-2.0cm round mafic clasts, and occasionally graphite. Topping directions are not distinct. Strong pervasive carbonate alteration</p> <p>1449.9-1470.15 bleached medium-light green pillowed mafic volcanic. Selvages are 1-5cm wide, at 20-50° TCA and spaced 0.5-2m apart. Distinct selvage and cusp (triple junction) at 1456.7. Bleaching is likely due to pervasive carbonate and possibly minor sericite. Minor vesicles (1-2%) primarily concentrated adjacent to selvages. Large 2-10mm round quartz-carbonate</p>				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
1068.10 TO 1470.00	«D,P» Pillowed Dacite	<p>filled vesicles (amygdules) between 1464.0-1467.0m. Tops possibly uphole as there is a slightly higher concentration of vesicles on the downhole side of selvages (e.g. 1456.7). Trace (<0.5%) disseminated 1mm Pyrite cubes</p> <p>Lower contact sharp at 60° TCA</p> <p>PILLOWED DACITE</p> <p>-Dark green -Fine grained, crystalline <1mm grain size -Selvages spaced approximately 1 every 5m, are oriented 30-50° TCA, and are filled with chlorite, Pyrrhotite, and mafic shards. Some selvages have spherulitic margins. -Some selvages are filled with graphite between 1128.0-1160.0m (some assay samples of the graphite taken) -Nil vesicles except near occasional selvage margins. Vesicles are more abundant on the uphole side of selvages indicating tops are possibly downhole -Non magnetic. Magnetic susceptibility measured at 0.43</p> <p>Foliation is very weak «Fol 40° »</p> <p>‡1146.3-1146.5‡ «FLT» weak fault, broken and sheared core at 30° TCA ‡1198.8-1199.0‡ «FLT» weak fault, broken core at 20° TCA ‡1201.6-1202.8‡ «FLT» weak fault, broken core and trace gouge possibly at 30° TCA ‡1268.0-1268.5‡ «FLT» broken core</p> <p>1068.0-1128.0 pillowed mafic volcanic</p> <p>1128.0-1160.0 minor interflow or interpillow (selvage) graphite. Tops indicator at 1159.8 vesicles more abundant on uphole side of selvage. Minor spherulites on selvage margin</p> <p>1160.0-1176.0 pillowed mafic volcanic</p>		<p>Variable moderate to strong pervasive carbonate alteration</p> <p>Typical greenschist facies mafic volcanic chlorite alteration</p> <p>Minor quartz-carbonate veining 1-3% of unit having angles from 0-60° TCA</p>	<p>Trace (<0.5%) disseminated 1mm Pyrite and Pyrrhotite grains</p> <p>Minor magnetic Pyrrhotite infilling vesicles at 1158.0-1159.7</p> <p>Minor Pyrrhotite blebs locally up to 10% noted in graphitic selvages between 1128.0-1160.0 and 1188.0-</p>	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>1176.0-1188.0 more massive looking mafic volcanic with disseminated <1mm white leucoxene grains (check WR chem for high TiO2)</p> <p>1188.0-1251.0 pillow basalt. Some selvages contain minor weakly conductive graphite and Pyrrhotite (possibly but not likely conductive or connective enough to create a large PEM anomaly). Graphitic selvages at 1191.0m, 1195.5m, 1207.4m, 1216.5m, 1222.3m, 1225.3m, 1240.3m, 1246.5m. Primary core angles (e.g. selvages flow related fractures) range from 50 to 10° TCA</p> <p>1251.0-1254.8 feldspar porphyritic mafic volcanic. 2-5% 1-10mm subhedral white feldspar phenocrysts. Massive looking with only trace primary flow fractures</p> <p>1254.8-1271.5 pillowed mafic volcanic with minor 2-10cm wide 1255.2 weakly conductive graphitic selvages. Graphitic selvages are at 1255.2, 1259.2, 1261.1, 1264.4. 2-10% Pyrrhotite blebs contained in graphitic selvages. Not connective enough to form PEM anomaly. Trace-2% round 1-2mm vesicles</p> <p>1271.5-1287.1 light green (not quite olive colour) bleached pillowed mafic volcanic. Very strong pervasive carbonate alteration possibly mixed with sericite (likely cause of light green colour). Selvages are vague, 1-5cm wide, are at 25-45° TCA, and are spaced 1-2m apart.</p> <p>1287.1-1352.9 Feldspar porphyritic, leucocene bearing, venticulated pillowed mafic volcanic. 1% locally variable 1-3mm subhedral white feldspar phenocrysts and minor <1mm white leucoxene grains. Selvages are spaced from 1 to 5m apart. Nil to 1% 1mm round vesicles increasing in abundance towards pillow selvages. Nil to trace Pyrite and Pyrrhotite. Alternating dark green and light green intervals. Dark green intervals may have fine pervasive graphite giving them a darker colour. One isolated graphitic selvage at 1328.0. Topping directions are difficult to determine.</p>				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>Both directions indicated from vespicle concentration adjacent to selvages</p> <p>1352.9-1371.0 light green pillowed and autobrecciated mafic volcanic. Autobreccia has 70-80% 1-4mm angular clasts in a fine dark chloritic matrix. Autobrecciated sections are 10-30cm in length and are spaced approxiamtely 1-2m apart. Selvages are 1-5cm wide and are filled with fine dark green/black chloritic material. 1-3% 1-5mm euhedral white feldspar phenocrysts.</p> <p>1371.0- dark green pillowed mafic volcanic. Minor autobrecciated intervals. Autobreccia clasts are vesiculated. Vague selvages. 1-5% round quartz filled vesicles. Topping directions are not readily discernable</p> <p>Upper contact of interval is vespicular with 5% 1-5mm round clear quartz filled vespicles. Rare 1m intervals of 1-2% vespicles</p>				
1470.10 TO 1471.00	«RLST» Rhyolite Lapilli Stone	<p>RHYOLITE LAPILLISTONE (with mafic component)</p> <p>-Dark green/grey</p> <p>Clast composition: -50-55% angular 0.5-3.0cm white rhyolite QP clasts -10-20% 0.5-1.0cm round dark green mafic clasts</p> <p>-20-25% fine dark green chloritic felsic / or mafic matrix (see WR sample) -Pyrrhotite and minor Sphalerite stringers are concentrated in the matrix but rare examples are found where sulphide stringers cut clasts -Magnetic due to Pyrrhotite stringers. Suceptibility measured at 11.15</p> <p>Moderate schistosity at « Fol 40° »</p> <p>1470.70-1470.75 fine black graphite having</p>		<p>Strong pervasive chlorite in matrix to RLST.</p> <p>Carbonate associated with some suphide stringers</p> <p>Strong silicification of felsic clasts</p>	<p>2-4% Pyrrhotite stringers</p> <p>Trace-0.5% Sphalerite primarily associated with the Pyrrhotite stringers</p> <p>Trace (<0.1%) Chalcopyrite in Pyrrhotite stringers</p>	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
1471.00 TO 1471.30	«BA» Black Argillite	contacts at 50° TCA. Trace vague bedding at 50° TCA. Lower contact sharp at 50° TCA (vague flame structures possibly pointing uphole) GRAPHITIC BLACK ARGILLITE -Dark black -Fine grained/sooty graphitic -Fine bedding 1-3mm wide at 50° TCA. Alternating black and grey beds. Weak structural or primary slump folding of a few beds -Strongly conductive -Magnetic due to Pyrrhotite. Suceptibility measured up to 10.0 Moderate to strong schistosity « Fol 50° » Lower contact sharp and wispy at 50°TCA		Minor quartz-carbonate veining Pervasive carbonaceous (graphite) alteration	4-5% disseminated 1.0-3.0cm round Pyrrhotite blebs	
1471.30 TO 1480.50	«R,M» Massive Rhyolite	MASSIVE RHYOLITE -Medium green-grey -Unit varies from fine massive dacite to minor volcaniclastic (or peperite) looking intervals. Massive rhyolite appears both chloritic and silicified -Non magnetic. Suceptibility measured at 0.0-0.15 Moderate schistosity « Fol 60° » 1471.5-1472.0 broken core weak fault 1471.3-1472.1 massive rhyolite. Lower contact to interval is weakly brecciated. 1472.1-1475.9 massive rhyolite possibly mixed with mafic volcanic. (check WR chemistry). Rare 10cm wide mafic dykes cutting silicified mafic volcanic 1475.9-1480.5 mixed mafic volcanic/intrusive and rhyolite volcaniclastic having a silicified cherty matrix. Mafic A/D looking intrusive		Strong pervasive silicification Moderate pervasive chlorite alteration Trace patches of sericite	Trace (<0.2%) disseminated <1mm Pyrite cubes	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
1480.50 TO 1486.40	«R,M» Massive Rhyolite	<p>clasts (pepperite) in a fine strongly silicified cherty matrix (mag suceptibility up to 0.15 over mafic clasts)</p> <p>Lower contact slightly gradational over 10.0cm at 45° TCA</p> <p>MASSIVE RHYOLITE</p> <p>-Medium grey -Fine grained -Massive and autobrecciated intervals outlined below. Autobrecciated intervals have 70-80% 0.1-1.5cm subangular dark glassy clasts in a fine silicified matrix -Minor (<3%) 10cm mafic dykes cutting unit -Non magnetic.</p> <p>Moderate schistosity « Fol 50° »</p> <p>1480.5-1482.6 massive silicified rhyolite</p> <p>1482.6-1483.7 autobrecciated grading to mixed volcaniclastic rhyolite. Strongly chloritic (or mafic) matrix to 30cm of volcaniclastic adjacent to autobreccia</p> <p>1483.7-1486.4 massive silicified rhyolite</p> <p>Lower contact sharp but vague at 55° TCA</p>		<p>Strong pervasive silicification</p> <p>Weak patchy chlorite alteration</p>	Trace (<0.2%) fine Pyrite	
1486.40 TO 1493.70	«A/D1» Andesite/ Diorite Type 1	<p>ANDESITE/DIORITE TYPE1</p> <p>-Dark green -Fine to medium grained -0.5-2.0mm green hornblende or chloritized pyroxene grains -<4% 1mm white to slightly pinkish leucoxene grains -Massive -Non magnetic. Suceptibility measured at 0.30</p> <p>Weak schistosity « Fol 45° »</p>		<p>Moderate quartz-carbonate veining (~10% of unit)</p> <p>Strong pervasive carbonate alteration</p>	Trace <1mm disseminated Pyrite cubes	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
1493.70 TO 1534.60	«R,M» Massive Rhyolite	<p>Lower contact sharp at 20° TCA having a quartz-carbonate rim</p> <p>MASSIVE RHYOLITE</p> <p>-Colour varies from waxy yellow sericitic and silicified white to dark grey from minor intervals of weak pervasive graphite</p> <p>-Fine grained</p> <p>-Massive with minor intervals of vague autobreccia described below</p> <p>-Non magnetic. Suceptibility measured from 0.0 to 0.07</p> <p>Moderate schistosity « Fol 47° »</p> <p>‡ 1505.0-1506.0 «FLT» broken core</p> <p>1493.7-1495.0 sericitic and strongly silicified massive rhyolite</p> <p>1495.0-1495.4 A/D1 mafic intrusive</p> <p>1495.4-1500.6 strongly sericitized and silicified massive rhyolite.</p> <p>1500.6-1504.2 dark grey weakly graphitic massive rhyolite</p> <p>1504.2-1506.0 A/D1 dyke. Faulted lower contact</p> <p>1506.0-1512.5 massive medium grey strongly silicified massive rhyolite</p> <p>1512.5-1513.4 vague autobreccia. Strong pervasive sericite and silicification masks autobreccia clast outlines which appear as 70-75% 0.5-2.0cm rounded ovoid silicified and sericitic clasts in a fine sericitic matrix. Trace fuchsite noted</p> <p>1513.4-1528.8 strongly sericitized and silicified massive glassy and waxy yellow rhyolite</p> <p>1528.8-1534.6 strongly silicified massive</p>		<p>Strong to weak ribbonry and pervasive sericite.</p> <p>Strong pervasive and often patchy intense silicification</p> <p>Minor intervals of weak pervasive graphite in rhyolite described in texture and structure section</p> <p>Occasional ribbonry grains of flourecent green fuchsite in rhyolite</p>	Trace (<0.2%) disseminated <=1mm Pyrite grains	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
1534.60 TO 1552.10	<TC> Talc-Carbonate	<p>rhyolite. Fine siliceous cherty look</p> <p>Lower contact irregular</p> <p>TALC-CARBONATE COARSE GRAINED MASSIVE ULTRAMAFIC</p> <p>-Dark green/tan</p> <p>-Coarse grained 1-5mm carbonate and pyroxene grains</p> <p>-Cumulate texture with grain size varying from 1-5mm over 4m intervals</p> <p>-Possible vague spinifex texture?? at 1539.4</p> <p>-1539.7m having 1-4mm wide linear features at 10° TCA mixed with fuchsite and 2mm carbonate grains</p> <p>-Fuchsite alteration disseminated throughout unit</p> <p>-Siliceous cherty looking interval from 1541.1-1541.5 (possibly siliceous interflow material)</p> <p>-Soft, easily scratched by hammer</p> <p>-Greasy feel</p> <p>-Non magnetic. Suceptibility measured at 0.08</p> <p>Weak schistosity < Fol 45° ></p> <p> 1540.2-1540.6 <FLT> broken core and minor gouge at 50° TCA</p> <p>1551.9-1552.0 50% angular 1.0-3.0cm ultramafic clasts (flow top or bottom?) in a fine grained ultramafic matrix (10 cm from lower contact)</p> <p>Lower contact Vague but likely sharp at 50° TCA White 1-5mm anhedral white feldspar phenocrysts at lower contact</p>		<p>Strong pervasive talcose alteration</p> <p>Strong carbonate alteration with 10% 1-2mm wide irregularly oriented carbonate veinlets</p> <p>Moderate patchy and ribboney fuchsite alteration</p>	Nil sulphides	Textures indicate both intrusive or extrusive origins for unit
1552.10 TO 1562.80	<R,bx> Massive Rhyolite	<p>MASSIVE AUTOBRECCIATED RHYOLITE</p> <p>-Dark grey and black (black colour possibly due to fine graphite in matrix to autobreccia)</p> <p>-Rhyolite is autobrecciated with 70-75% angular fine siliceous massive rhyolite clasts in 25-30% fine black felsic/graphitic and possibly chloritic matrix</p> <p>-1-2% 1-2mm quartz phenocrysts in autobreccia matrix and clasts</p> <p>-1-4mm anhedral white feldspar phenocrysts</p>		<p>Weak black chlorite alteration in matrix to autobreccia possibly mixed with graphite</p> <p>Strong Silicification of massive rhyolite clasts</p>	Trace disseminated 1-2mm Pyrite cubes	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		continuing from ultramafic unit concentrated at upper contact (or possibly spherulites) -Non magnetic Strong schistosity « Fol 60° » Lower contact sharp at 80° TCA				
1562.80 TO 1563.00	«R,T» Cherty Rhyolite Tuff	FINE CHERTY RHYOLITE TUFF -Light grey/green -20% round 1-1.5cm cherty lapilli in a fine tuffaceous and cherty matrix bedded at 38° TCA with 1-5mm wide chert and fine sericitic tuff beds -Non magnetic Moderate schistosity subparallel to bedding « Fol 45° » Lower contact slightly gradational grading to bedded ultramafic over 20cm from 1563.0-1563.2		Moderate sericite alteration in fine tuffaceous beds Strong pervasive silicification of lapilli and cherty looking beds Trace fine chlorite alteration in sericitized beds		
1563.00 TO 1568.20	«B,K» Basaltic Komatiite	BASALTIC KOMATIITE -Light grey -Coarse grained cumulate texture with anhedral pyroxene grains varying in size from 0.5-7mm over 0.5m intervals -Local banding of 3-10mm wide black and grey bands parallel to schistosity -Non magnetic. Suceptibility measured at 0.08 Moderate schistosity « Fol 42° » Lower contact sharp at 40° TCA		Strong pervasive talc Strong pervasive chlorite Moderate pervasive carbonate alteration Nil-trace quartz-carbonate veining	Trace (<0.2%) disseminated 1mm Pyrite cubes	
1568.20 TO 1569.80	«R,M» Massive Rhyolite	MASSIVE SILICEOUS RYOLITE -Light grey -Fine grained and glassy -Trace-1% 1mm vague quartz phenocrysts masked by strong silicification except for upper 20cm of unit which contains 5-7% quartz-phenocrysts and		Strong pervasive glassy silicification Weak pervasive sericite Trace pervasive/patchy chlorite	Trace (<0.2%) disseminated 1mm Pyrite cubes	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>is described below</p> <p>-Non magnetic</p> <p>Moderate schistosity « Fol 35° »</p> <p>1568.2-1568.4 felsic interflow tuff/sediment with 1-4mm round quartz phenocrysts with a fine sericitic felsic matrix bedded at 45° TCA</p> <p>Lower contact faulted by fault from 1569.8-1570.1 broken core in fault zone is ultramafic (see next unit for description of fault in next unit)</p>				
1569.80 TO 1580.30	«B,K» Basaltic Komatiite	<p>BASALTIC KOMATIITE</p> <p>-Light grey</p> <p>-Coarse grained cumulate texture with 1-10mm round pyroxene grains comprising 10-45% of unit</p> <p>-5% 1-2mm light grey stringers possibly an irregular type of spinifex?</p> <p>-Soft</p> <p>-Non magnetic</p> <p>Weak schistosity « Fol 45° »</p> <p> 1569.8-1570.1 «FLT» strong fault with broken core and minor gouge</p> <p> 1570.8-1570.9 «FLT» moderate fault broken core trace gouge</p> <p>1578.1-1578.2 milky white quartz vein at 30° TCA</p> <p>Lower contact sharp at 50° TCA</p>		<p>Moderate patchy carbonate alteration</p> <p>Strong talc</p> <p>Weak chlorite alteration and possibly trace sericite</p> <p>Minor ribbony flourecent green fuchsite</p>	Trace (<0.2%) disseminated fine Pyrite	
1580.30 TO 1595.70	«QPT» Quartz Phyric Tuff	<p>QUARTZ PHYRIC TUFF</p> <p>-Medium green/grey</p> <p>-<0.5-20mm tuff to lapilli size rhyolite and quartz grains</p> <p>-Euhedral and anhedral quartz grains are 1-10mm at upper and lower contacts to unit and <1mm in interior of unit</p> <p>-Non bedded</p> <p>-Strong silicification may mask lapilli outlines</p>		<p>Strong pervasive silicification</p> <p>Weak pervasive sericite and weak pervasive chlorite</p> <p>Pervasive carbonate aureal around mafic dyke cutting rhyolite unit</p>	Trace (<0.2%) disseminated 1mm grains of Pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>or Unit may be a massive flow with minor riped up felsic clasts -Non magnetic</p> <p>Moderate schistosity « Fol 45° »</p> <p>1589.1-1592.7 fine grained mafic dyke with possible minor inclusions of quartz or rhyolite rafts. Pervasive carbonate halo extends from mafic dyke into surrounding rhyolite unit. Mafic dyke looks weakly silicified</p> <p>Lower contact sharp at 40° TCA</p>				
1595.70 TO 1644.80	«D,M» Massive Dacite	<p>MASSIVE DACITE</p> <p>-Dark green -Fine grained -Massive with very few primary textures. -Almost intrusive looking -Vague autobreccia or pillow selvage at 1599.0 -Trace <1mm white leucoxenes -Non magnetic</p> <p>Weak schistosity « Fol 40° »</p> <p>1637.0-1644.8 quartz-carbonate veining decreases to <1% of unit. Vague pillow selvages at 1640.5, 1643.5, 1644.5</p> <p>Lower contact sharp at 30° TCA</p>		<p>Moderate quartz-carbonate veining 3-4% randomly oriented quartz-carbonate veins</p> <p>Strong pervasive carbonate alteration</p> <p>Strong typical mafic chloritic alteration</p>		
1644.80 TO 1645.60	«QPRLT» Quartz Porphyric Rhyolite Lapilli Tuff	<p>QUARTZ PORPHYRITIC RHYOLITE LAPILLI TUFF</p> <p>-Medium grey -10-12% 1-6mm small round to large irregular quartz phenocrysts -10% 0.5-2.0cm grey glassy round silicified rhyolite lapilli -90% fine silicified rhyolite matrix -Non bedded -Non magnetic</p> <p>Moderate schistosity</p>		<p>Strong pervasive silicification</p> <p>Weak pervasive sericite</p> <p>Trace chlorite in matrix to tuff</p>	Trace 1-5mm Pyrite cubes	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>«-Fol 45°-»</p> <p>Lower contact vague but likely sharp at 50° TCA. Contact is difficult to place and could represent a gradational contact from flow top RLT to massive rhyolite flows.</p>				
1645.60 TO 1648.70	«QP» Quartz Porphyry	<p>QUARTZ PORPHYRY</p> <p>-Medium grey -10-12% 1-3mm quartz phenocrysts -Massive looking -Non magnetic</p> <p>Weak to moderate schistosity «-Fol 52°-»</p> <p> 1645.7-1645.75 «FLT» weak fault with quartz-carbonate at 50° TCA</p> <p>Possible flow margin RLT over lower 0.3m of unit</p> <p>Lower contact on downhole side of weak fault with quartz-carbonate. Contact is very irregular</p>		<p>Strong pervasive silicification</p> <p>Weak pervasive sericite</p>	Trace (<0.2%) disseminated 1mm Pyrite grains	
1648.70 TO 1651.80	«D,P» Pillowed Dacite	<p>PILLOWED DACITE</p> <p>-Moderately bleached to a medium beige colour -Fine grained -Numerous intervals of autobreccia and selvages throughout unit. Selvages are vague and are likely within 20cm intervals of autobreccia -Clasts in autobreccia are 0.5-3.0cm in size and angular to subrounded. Autobreccia is 75-85% clasts and 15-25% fine mafic matrix -Non magnetic</p> <p>Weak schistosity «-Fol 53°-»</p> <p> 1551.2 «FLT» weak fault with minor gouge at 75° TCA</p> <p>Lower contact irregular at 50-60° TCA</p>		<p>Strong pervasive carbonate and possibly weak sericite giving unit bleached look</p> <p>Moderate pervasive chlorite</p>	Trace-1% 1-4mm disseminated Pyrite cubes	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
1651.80 TO 1662.60	«QP» Quartz Porphyry	<p>QUARTZ PORPHYRY</p> <p>-Medium grey</p> <p>-10% 1-3mm angular to round quartz phenocrysts</p> <p>-Fine aphanitic rhyolite matrix to quartz phenocrysts</p> <p>-Massive and glassy</p> <p>-Minor 10cm intervals of autobreccia which become more distinct when HCL is poured on them due to trace carbonate in matrix to autobreccia. 80-85% subangular to subrounded 0.1-2.0cm autobreccia clasts in a fine felsic matrix</p> <p>-Non magnetic</p> <p>Moderate schistosity « Fol 50° »</p> <p>Lower contact wispy at 45° TCA with pseudo flame structures pointing uphole contact at 45° TCA.</p>		<p>Strong pervasive silicification</p> <p>Strong pervasive (locally patchy) carbonate alteration (alteration effect from adjacent mafics?)</p>	Trace (<0.2%) disseminated 1mm Pyrite cubes	
1662.60 TO 1695.00	«D,P» Pillowed Dacite	<p>PILLOWED DACITE</p> <p>-Moderate grading to strongly bleached gives unit a medium beige colour</p> <p>-Fine grained</p> <p>-Selvages grade from 0.5-1.5m spacing to a mafic pillow breccia at end of hole</p> <p>-Selvages are 1.0-5.0cm wide, range in angles from 30-70° TCA and are filled with chlorite and mafic shards</p> <p>-<1% 1mm clear quartz filled vessicles adjacent to selvage margins and in pillow breccia clasts</p> <p>Near E.O.H.</p> <p>-Non magnetic</p> <p>Weak schistosity « Fol 55° »</p> <p> 1679.1 «FLT» weak fault at 70° TCA with trace gouge, quartz-carbonate and fuchsite</p>		<p>Moderate at upper contact grading to strong bleaching at E.O.H. Bleaching is likely due to the strong pervasive carbonate alteration and possibly minor sericite in unit</p> <p>Trace chlorite alteration primarily in selvages</p>	686m PBX	
1695.00 TO 1695.00	«E.O.H.» End of Hole					

Sample	From (M)	To (M)	Leng. (M)	Ag g/t	Cu ppm	Zn ppm	Pb ppm	Au ppb	Ni ppm	MIN	ALT	ROCK TYPE
KA02901	15.50	16.90	1.40	0.1	59	122	1	3	38			D,P
KA02902	16.90	17.10	0.20	0.1	147	145	1	<2	39			D,P
KA02903	37.30	37.50	0.20	0.2	613	163	1	<2	37			D,20Po
KA02904	110.00	111.00	1.00	0.1	83	137	1	3	42			D,P
KA02905	111.00	111.80	0.80	0.1	130	115	1	3	43			D,P Po
KA02906	111.80	112.50	0.70	0.1	154	82	1	<2	41			D,P
KA02907	112.50	114.00	1.50	0.1	84	88	1	3	38			D,P
KA02908	210.50	210.90	0.40	0.1	181	100	1	3	51			
KA02909	563.40	563.70	0.30	0.1	322	125	1	<2	59			2-3 PO
KA02910	691.40	691.60	0.20	0.2	670	131	65	79	280			G selv selvag e
KA02911	819.00	820.50	1.50	0.1	202	75	15	<2	76			
KA02912	820.50	821.30	0.80	0.2	411	195	1	7	145			
KA02913	821.30	822.50	1.20	0.1	189	169	1	3	157			
KA02914	918.00	918.30	0.30	0.2	496	136	1	17	54			G selv
KA02915	923.40	923.90	0.50	0.2	387	133	1	<2	122			G selv
KA02916	925.70	926.30	0.60	0.1	245	371	1	21	114			
KA02917	1010.10	1010.40	0.30	0.4	903	315	1	14	148			
KA02918	1010.40	1011.50	1.10	0.1	35	139	1	<2	139			
KA02919	1011.50	1011.70	0.20	0.2	156	210	1	10	133			
KA02920	1065.00	1066.10	1.10	0.1	164	441	1	10	60			D,M
KA02921	1066.10	1067.60	1.50	0.5	558	5430	35	34	124			BA
KA02922	1067.60	1068.10	0.50	0.9	769	8540	89	51	169			BA
KA02923	1068.10	1069.50	1.40	0.1	120	142	1	31	34			D,P
KA02924	1128.00	1129.20	1.20	0.1	43	116	1	<2	47			D,P
KA02925	1129.20	1129.80	0.60	0.1	138	422	1	7	37			G selv
KA02926	1129.80	1131.00	1.20	0.1	49	166	1	<2	34			D,P
KA02927	1131.00	1132.50	1.50	0.2	518	121	1	14	31			G selv
KA02928	1137.20	1137.60	0.40	0.1	492	756	1	3	97			G selv
KA02929	1469.00	1470.15	1.15	0.1	80	70	1	10	125			D,P
KA02930	1470.15	1471.00	0.85	0.6	683	3150	5	17	98			RLT
KA02934	1470.70	1470.80	0.10	0.4	508	233	1	14	99			
KA02931	1471.00	1471.30	0.30	0.8	502	4420	17	72	122			BA
KA02932	1471.30	1472.50	1.20	0.1	63	177	7	158	86			D,M
KA02933	1475.60	1476.00	0.40	0.1	32	73	2	14	28			D,M

Sample	From (M)	To (M)	Leng. (M)	SiO2 %	Al2O3 %	CaO %	MgO %	Na2O %	K2O %	Fe2O3 %	MnO %	TiO2 %	P2O5 %	Cr2O3 %	LOI %	SUM %	Rb %	Sr ppm	Y ppm	Zr ppm	Nb ppm	Ba ppm	F ppm	Cu ppm	Zn ppm	Ni ppm	ROCK TYPE	HASH	ALUM
KA04301	30.00	30.20	0.20	48.53	12.97	8.59	4.02	2.84	0.53	14.75	0.36	1.82	0.19	0.01	5.13	99.83	0.01		40	120	20	280	200	80	135	50	D,P		
KA04302	66.70	66.90	0.20	47.77	12.38	9.90	4.94	2.89	0.40	14.45	0.26	1.72	0.20	0.01	4.70	99.69	0.01		40	120	20	140	200	30	125	45	D,P		
KA04303	102.00	102.50	0.50	48.65	12.71	7.85	5.07	3.14	0.50	15.25	0.25	1.80	0.22	0.01	3.85	99.37	<0.01		40	120	20	160	200	65	120	50	D,P		
KA04304	116.30	116.50	0.20	48.25	13.03	7.62	5.48	2.45	0.58	17.01	0.27	1.84	0.20	0.01	3.00	99.83	0.01		40	130	10	290	200	110	140	55	D,P		
KA04305	135.20	135.30	0.10	47.74	13.38	8.13	5.04	3.65	0.50	14.62	0.25	1.85	0.21	0.01	4.14	99.6	<0.01		40	120	10	190	300	20	125	55	D,P		
KA04306	159.50	159.60	0.10	50.66	13.08	9.13	4.87	3.12	0.36	13.38	0.24	1.81	0.21	0.01	2.84	99.76	<0.01		40	120	10	180	300	20	110	45	D,P		
KA04307	169.10	169.30	0.20	48.16	13.43	9.35	4.97	1.56	0.14	15.57	0.24	1.90	0.22	0.01	3.95	99.54	<0.01		40	130	20	50	200	10	135	50	D,M		
KA04308	178.30	178.50	0.20	49.70	13.17	7.23	5.31	3.55	0.60	15.30	0.22	1.84	0.22	0.01	2.23	99.47	<0.01		40	130	20	280	300	105	125	55	D,P		
KA04309	215.30	215.50	0.20	48.96	12.82	8.48	4.29	2.25	0.34	15.59	0.30	1.78	0.20	0.01	4.64	99.73	0.01		40	120	20	160	300	50	150	45	D,P		
KA04310	243.00	243.20	0.20	49.42	12.53	9.82	5.08	2.44	0.44	13.77	0.24	1.79	0.20	0.01	3.63	99.44	<0.01		40	120	<10	270	300	10	120	50	D,P		
KA04311	267.00	270.00	3.00	49.42	12.80	8.27	5.56	3.47	0.48	13.74	0.26	1.81	0.21	0.01	3.39	99.47	<0.01		40	120	30	220	200	80	120	50	D,P		
KA04312	316.80	317.00	0.20	47.88	13.06	10.16	4.86	2.63	0.45	14.62	0.26	1.82	0.21	0.01	3.49	99.50	<0.01		40	120	10	150	200	50	115	90	D,P	amy	
KA04313	351.00	354.00	3.00	47.40	12.62	10.26	5.06	1.72	0.29	15.32	0.26	1.77	0.19	0.01	4.86	99.85	<0.01		40	120	30	90	300	125	130	45	D,P		
KA04314	383.80	384.00	0.20	46.92	12.72	10.72	5.02	1.65	0.18	15.46	0.29	1.79	0.20	0.01	4.82	99.83	<0.01		35	120	30	60	200	105	115	50	D,P	amy	
KA04315	420.00	420.20	0.20	47.66	12.08	10.04	5.23	2.28	0.36	14.05	0.24	1.74	0.18	0.01	5.70	99.63	0.01		35	120	60	130	300	30	115	50	D,P	les	c
KA04316	464.80	465.00	0.20	47.99	13.97	7.90	5.29	3.85	0.18	13.22	0.22	2.02	0.20	0.01	4.47	99.38	0.01		35	130	60	50	300	70	120	55	A/D		
KA04317	495.00	498.00	3.00	51.64	13.39	9.01	4.99	3.56	0.62	11.94	0.23	1.74	0.18	0.01	2.40	99.79	0.01		35	110	70	490	300	10	100	50	D,P		
KA04318	530.20	530.40	0.20	53.86	14.18	7.86	4.57	5.73	0.10	6.79	0.19	1.27	0.10	0.02	5.00	99.72	0.01		20	70	50	60	300	15	65	65	D,P		
KA04319	561.10	561.30	0.20	55.48	14.58	7.88	4.55	5.96	0.12	6.72	0.19	1.27	0.09	0.02	2.87	99.77	0.01		20	70	60	60	200	20	70	60	D,P		
KA04320	605.20	605.40	0.20	49.16	13.72	9.23	5.53	1.84	<0.01	13.36	0.26	1.33	0.15	0.02	5.09	99.75	<0.01		25	80	<10	10	300	225	95	50	D,P		
KA04321	639.00	642.00	3.00	48.33	18.10	12.25	3.47	1.79	0.09	9.32	0.26	0.94	0.09	0.04	4.96	99.70	<0.01		20	50	<10	60	200	155	130	175	D,M	FP	
KA04322	670.00	670.20	0.20	46.37	19.05	14.28	2.72	1.75	0.12	10.15	0.25	0.97	0.06	0.04	3.99	99.82	<0.01		15	50	<10	70	200	155	75	185	D,P	BA	
KA04323	723.90	724.00	0.10	46.47	16.21	13.32	5.73	1.34	0.03	11.81	0.25	0.85	0.10	0.03	3.44	99.63	<0.01		15	60	<10	10	300	85	70	160	D,M		
KA04324	765.00	768.00	3.00	50.96	18.00	10.75	3.07	2.99	0.09	8.97	0.20	0.90	0.07	0.04	3.51	99.59	<0.01		15	40	<10	30	200	115	75	165	D,P		
KA04325	834.00	835.00	1.00	46.65	16.82	12.17	2.40	2.14	0.10	10.78	0.31	0.88	0.07	0.03	7.26	99.67	<0.01		15	40	<10	30	200	75	95	150	D,M	ves	
KA04326	876.00	879.00	3.00	43.53	13.45	15.53	5.18	1.73	0.04	10.90	0.22	1.16	0.11	0.02	7.64	99.53	<0.01		25	70	<10	10	200	40	80	60	D,M		
KA04327	921.00	924.00	3.00	51.01	16.67	10.80	3.13	2.49	0.11	10.15	0.25	0.90	0.09	0.03	4.14	99.84	<0.01		20	60	<10	50	300	190	70	145	D,P	ves	
KA04328	987.00	990.00	3.00	49.62	17.62	12.32	2.74	2.00	0.22	9.09	0.25	0.90	0.07	0.04	4.59	99.50	<0.01		15	40	<10	80	300	75	65	165	D,P		
KA04329	1017.00	1020.00	3.00	48.37	17.80	10.73	3.42	1.48	1.39	8.61	0.26	0.92	0.08	0.04	6.17	99.37	0.01		15	40	<10	420	200	120	60	175	D,P		
KA04330	1047.00	1050.00	3.00	48.39	13.27	11.50	4.80	1.55	0.09	13.05	0.23	1.36	0.15	0.01	5.03	99.48	<0.01		25	90	<10	40	300	145	70	35	D,M		
KA04331	1062.00	1062.50	0.50	48.57	14.50	11.75	6.50	1.51	0.39	11.37	0.25	1.33	0.13	0.02	3.24	99.61	<0.01		25	80	<10	140	300	95	75	60	D,M		
KA04332	1092.00	1092.50	0.50	46.13	12.90	8.19	5.30	0.64	0.29	18.58	0.33	1.65	0.18	0.01	5.49	99.74	<0.01		35	110	<10	160	200	85	100	50	D,P		
KA04333	1122.00	1125.00	3.00	47.38	13.98	10.59	5.74	2.42	0.32	12.63	0.27	1.23	0.13	0.02	4.78	99.54	<0.01		20	70	<10	90	200	45	65	65	D,P		
KA04334	1152.00	1155.00	3.00	48.50	13.15	8.27	5.16	2.65	0.21	15.54	0.24	1.85	0.21	0.01	3.56	99.40	<0.01		40	130	<10	90	200	85	75	50	D,P		
KA04335	1182.00	1185.00	3.00	46.56	14.50	7.85	6.11	3.55	0.34	15.50	0.24	2.05	0.23	0.01	2.62	99.63	<0.01		40	120	<10	150	200	80	85	60	D,P	lxw	
KA04336	1215.00	1215.20	0.20	46.75	14.17	8.36	4.77	2.93	0.25	13.27	0.40	1.81	0.19	0.01	6.83	99.81	<0.01		35	100	<10	170	300	20	145	60	D,P		
KA04337	1248.10	1248.30	0.20	46.11	16.75	12.28	4.24	1.82	0.51	9.00	0.29	0.89	0.10	0.03	7.35	99.44	<0.01		15	60	<10	190	200	150	30	150	D,P		
KA04338	1278.00	1278.10	0.10	40.87	13.28	18.07	5.11	0.76	0.01	7.81	0.21	0.70	0.07	0.03	12.63	99.59	<0.01		15	40	<10	10	300	75	25	135	D,P		
KA04339	1311.00	1311.10	0.10	48.62	18.32	11.46	2.54	2.97	0.03	9.89	0.25	0.94	0.07	0.03	4.38	99.54	<0.01		15	40	<10	20	200	90	45	170	D,P		
KA04340	1356.00	1356.20	0.20	44.25	16.55	14.32	6.15	0.92	<0.01	10.35	0.17	0.78	0.07	0.03	6.01	99.65	<0.01		15	40	<10	10	200	100	40	185	D,P		
KA04341	1395.00	1398.00	3.00	44.97	15.62	13.64	4.01	0.73	<0.01	12.29	0.32	0.81	0.08	0.02	7.22	99.77	<0.01		15	40	<10	<10	300	135	40	170	D,P		
KA04342	1434.00	1434.20	0.20	44.50	18.19	13.49	2.15	2.47	0.29	10.02	0.36	0.89	0.08	0.03	7.16	99.68	<0.01		15	40	<10	20	300	55	25	200	D,P		
KA04343	1464.00	1464.20	0.20	44.35	16.69	14.56	1.78	2.80	0.03	11.19	0.36	0.87	0.07	0.03	6.97	99.73	<0.01		20	40	<10	10	300	60	35	175	D,P		
KA04344	1470.70	1470.80	0.10	56.56	12.18	4.85	2.62	0.09	2.08	16.61	0.22	0.20	0.04	0.03	3.55	99.58	0.02		70	160	10	260	100	485	170	95	RLST	mi	
KA04345	1472.90	1473.00	0.10	73.44	10.39	4.48	0.91	0.06	3.47	2.28	0.06	0.09	0.03	0.02	4.29	99.64	0.01		75	160	<10	830	300	80	90	<5	D,M		
KA04346	1482.00	1482.20	0.20	73.44	13.32	0.72	1.95	0.95	3.93	2.56	0.03	0.12	0.03	0.01	2.68	99.86	0.01		100	220	<10	500	400	25	155	<5	R,M		
KA04347	1																												

Sample	From (M)	To (M)	Leng. (M)	SiO2 %	Al2O3 %	CaO %	MgO %	Na2O %	K2O %	Fe2O3 %	MnO %	TiO2 %	P2O5 %	Cr2O3 %	LOI %	SUM %	Rb %	Sr ppm	Y ppm	Zr ppm	Nb ppm	Ba ppm	F ppm	Cu ppm	Zn ppm	Ni ppm	ROCK TYPE	HASH	ALUM
KA04348	1503.00	1503.20	0.20	75.56	13.59	0.68	0.49	5.17	1.68	0.82	0.01	0.11	0.02	0.03	1.25	99.47	0.01		80	180	<10	240	300	5	15	15	R,M sil		
KA04349	1512.00	1512.10	0.10	78.37	11.46	1.42	0.12	5.52	0.66	0.76	0.01	0.10	0.02	0.04	1.13	99.66	<0.01		70	120	<10	210	100	10	25	5	R,M sil		
KA04350	1525.00	1525.10	0.10	75.61	14.39	0.41	0.55	3.23	2.90	1.00	0.02	0.13	0.03	0.05	1.34	99.80	0.01		155	140	<10	1190	200	20	25	10	R,M str		
KA04351	1536.50	1536.70	0.20	37.36	4.02	5.33	19.53	<0.01	<0.01	8.63	0.16	0.18	0.03	0.27	23.99	99.59	<0.01		15	30	<10	10	200	40	30	560	TC		
KA04352	1542.90	1543.10	0.20	33.23	6.58	4.38	18.66	0.05	1.35	8.84	0.22	0.35	0.04	0.20	25.51	99.54	<0.01		25	40	<10	560	100	20	55	340	TC		
KA04353	1558.70	1558.80	0.10	70.39	11.42	2.34	2.14	0.92	5.68	1.93	0.03	0.10	0.01	0.02	4.29	99.42	0.01		85	170	<10	1060	300	20	35	10	R,M,bx		
KA04354	1564.30	1564.50	0.20	37.99	4.76	8.78	16.89	<0.01	<0.01	7.85	0.20	0.26	0.03	0.30	22.55	99.72	<0.01		10	20	<10	<10	100	20	30	950	B,K		
KA04355	1574.90	1575.00	0.10	33.86	2.59	2.23	30.79	<0.01	<0.01	7.86	0.09	0.12	0.05	0.21	21.83	99.80	<0.01		5	10	<10	<10	100	15	35	1515	B,K		
KA04356	1583.40	1583.60	0.20	67.08	16.03	1.06	1.78	0.11	5.43	3.41	0.03	0.23	0.02	0.03	4.27	99.62	0.02		30	320	<10	590	1900	20	80	20	QPT		
KA04357	1593.00	1593.10	0.10	72.44	12.86	1.55	0.72	0.23	3.27	4.87	0.06	0.22	0.03	0.02	3.17	99.52	0.01		60	220	<10	260	200	10	60	40	QPT		
KA04358	1598.60	1598.80	0.20	49.62	12.69	4.99	3.80	2.56	0.48	14.37	0.18	1.84	0.37	0.01	8.50	99.43	<0.01		40	180	<10	30	300	30	150	15	D,M		
KA04359	1632.00	1632.20	0.20	49.61	13.28	7.49	1.66	2.61	0.51	13.77	0.29	1.89	0.38	0.01	8.23	99.80	<0.01		45	190	<10	200	200	35	155	15	D,M		
KA04360	1646.50	1646.70	0.20	76.55	10.94	2.38	0.49	2.27	1.34	2.43	0.08	0.17	0.01	0.02	2.86	99.57	0.01		55	160	<10	180	300	15	30	5	QPR,M		
KA04361	1653.00	1653.10	0.10	45.99	18.14	9.44	2.25	5.61	0.65	7.89	0.18	1.07	0.08	0.03	8.29	99.68	<0.01		20	40	<10	100	200	95	65	185	D,P		
KA04362	1661.00	1661.20	0.20	70.11	10.15	6.11	0.25	1.86	1.44	3.19	0.31	0.14	0.02	0.02	5.78	99.45	0.01		60	160	<10	270	200	15	20	10	QPR,M		
KA04363	1686.00	1686.20	0.20	48.63	18.15	12.99	2.45	2.47	<0.01	8.22	0.20	1.08	0.05	0.03	5.50	99.83	<0.01		15	40	<10	10	200	90	90	180	D,P		

Sample	From (M)	To (M)	Leng. (M)	SEVERN Ag ppm	Au ppb	S %	Hg ppb	Pb ppm	As ppm	Cd ppm	Mo ppm	B ppm	Co ppm	ALT	MIN
KA04301	30.00	30.20	0.20										75		
KA04302	66.70	66.90	0.20										70		
KA04303	102.00	102.50	0.50										70		
KA04304	116.30	116.50	0.20										75		
KA04305	135.20	135.30	0.10										70		
KA04306	159.50	159.60	0.10										65		
KA04307	169.10	169.30	0.20										75		
KA04308	178.30	178.50	0.20										75		
KA04309	215.30	215.50	0.20										65		
KA04310	243.00	243.20	0.20										65		
KA04311	267.00	270.00	3.00										70		
KA04312	316.80	317.00	0.20										70		
KA04313	351.00	354.00	3.00										70		
KA04314	383.80	384.00	0.20										70		
KA04315	420.00	420.20	0.20										65		
KA04316	464.80	465.00	0.20										75		
KA04317	495.00	498.00	3.00										70		
KA04318	530.20	530.40	0.20										60		
KA04319	561.10	561.30	0.20										55		
KA04320	605.20	605.40	0.20										70		
KA04321	639.00	642.00	3.00										70		
KA04322	670.00	670.20	0.20										75		
KA04323	723.90	724.00	0.10										60		
KA04324	765.00	768.00	3.00										65		
KA04325	834.00	835.00	1.00										60		
KA04326	876.00	879.00	3.00										60		
KA04327	921.00	924.00	3.00										70		
KA04328	987.00	990.00	3.00										65		
KA04329	1017.00	1020.00	3.00										65		
KA04330	1047.00	1050.00	3.00										60		
KA04331	1062.00	1062.50	0.50										65		
KA04332	1092.00	1092.50	0.50										65		
KA04333	1122.00	1125.00	3.00										60		
KA04334	1152.00	1155.00	3.00										70		
KA04335	1182.00	1185.00	3.00										85		
KA04336	1215.00	1215.20	0.20										75		
KA04337	1248.10	1248.30	0.20										60		
KA04338	1278.00	1278.10	0.10										50		
KA04339	1311.00	1311.10	0.10										60		
KA04340	1356.00	1356.20	0.20										55		
KA04341	1395.00	1398.00	3.00										60		
KA04342	1434.00	1434.20	0.20										65		
KA04343	1464.00	1464.20	0.20										55		
KA04344	1470.70	1470.80	0.10										35		
KA04345	1472.90	1473.00	0.10										5		
KA04346	1482.00	1482.20	0.20										<5		
KA04347	1498.70	1498.90	0.20										5		

Sample	From (M)	To (M)	Leng. (M)	SEVERN	Ag ppm	Au ppb	S %	Hg ppb	Pb ppm	As ppm	Cd ppm	Mo ppm	B ppm	Co ppm	ALT	MIN
KA04348	1503.00	1503.20	0.20											<5		
KA04349	1512.00	1512.10	0.10											<5		
KA04350	1525.00	1525.10	0.10											<5		
KA04351	1536.50	1536.70	0.20											75		
KA04352	1542.90	1543.10	0.20											60		
KA04353	1558.70	1558.80	0.10											<5		
KA04354	1564.30	1564.50	0.20											75		
KA04355	1574.90	1575.00	0.10											80		
KA04356	1583.40	1583.60	0.20											5		
KA04357	1593.00	1593.10	0.10											10		
KA04358	1598.60	1598.80	0.20											45		
KA04359	1632.00	1632.20	0.20											45		
KA04360	1646.50	1646.70	0.20											5		
KA04361	1653.00	1653.10	0.10											85		
KA04362	1661.00	1661.20	0.20											5		
KA04363	1686.00	1686.20	0.20											65		

3. 20003

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

HOLE NUMBER: 8580

DATE: 10/28/2000

IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: NRHY	PLOTTING COORDS GRID: Mine Grid	ALTERNATE COORDS GRID:	COLLAR DIP: -47°48' 0"
PROJECT NUMBER: 2800	NORTH: 66453.90N	NORTH: +	LENGTH OF THE HOLE: 922.50M
CLAIM NUMBER: 2800 Level	EAST: 65160.00E	EAST: +	START DEPTH: 697.50M
LOCATION: 28 Expl. Drive	ELEV: 1937.00	ELEV:	FINAL DEPTH: 1620.00M

COLLAR ASTRONOMIC AZIMUTH: 298°24' 0"

GRID ASTRONOMIC AZIMUTH: 0° 0' 0"

DATE STARTED: 05/23/1900
DATE COMPLETED: 08/14/1900
DATE LOGGED: 08/24/1900

COLLAR SURVEY: YES
MULTISHOT SURVEY: YES
RQD LOG: YES

PULSE EM SURVEY: YES
PLUGGED: YES
HOLE SIZE: NQ

CONTRACTOR: N. Morisette
CASING:
CORE STORAGE: Minesite
UTM COORD.: 472956mE, 5394046mN

COMMENTS : Hinge Zone Exploration: Wedge off 8495
WEDGES AT: See Directional tests

Testing 18 CH BHEM anomaly at 1250m in 8495

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
711.00	296°24' 0"	-46°42' 0"	M	OK	12m past 1st wedge (699)	1237.00	296° 6' 0"	-37°42' 0"	-M	OK	"
720.00	295°18' 0"	-45° 0' 0"	M	OK	12m past 2nd wedge (709)	1270.00	296° 6' 0"	-38° 0' 0"	-M	OK	"
738.00	295°54' 0"	-44° 6' 0"	M	OK	5' standard & step bit	1327.00	298° 0' 0"	-37°42' 0"	-M	OK	"
753.00	294°30' 0"	-43°54' 0"	M	OK	5' standard & step bit	1387.00	299°30' 0"	-36°18' 0"	-M	OK	20' Polk Rhy etc (2nd test)
787.00	295° 0' 0"	-43°36' 0"	M	OK	20' Polk	1420.00	299°42' 0"	-35°54' 0"	-M	OK	20' Polk (2nd test)
811.00	295°12' 0"	-43°30' 0"	M	OK	20' Polk	1465.00	299°30' 0"	-35°48' 0"	-M	OK	20' Polk
838.00	297° 6' 0"	-43° 0' 0"	M	OK	20' Polk	1540.00	301°24' 0"	-34°24' 0"	-M	OK	" Magnetic Po A/D nearby
862.00	296°36' 0"	-42°54' 0"	M	OK	20' Polk	1620.00	303°48' 0"	-33° 6' 0"	-M	OK	"
870.00	294° 6' 0"	-42°18' 0"	M	OK	9m past 3rd wedge @ 300 deg	-	-	-	-	-	-
876.00	293°12' 0"	-41°24' 0"	M	OK	15m past 3rd wedge	-	-	-	-	-	-
885.00	292°54' 0"	-39°48' 0"	M	OK	9m past 4th wedge	-	-	-	-	-	-
888.00	292°30' 0"	-40°12' 0"	M	OK	5' standard 12m past wedge	-	-	-	-	-	-
907.00	293° 6' 0"	-39°30' 0"	M	OK	20' Polk	-	-	-	-	-	-
949.00	293°18' 0"	-39°24' 0"	M	OK	20' Polk	-	-	-	-	-	-
997.00	293°36' 0"	-39°36' 0"	M	OK	20' Polk	-	-	-	-	-	-
1048.00	293°30' 0"	-39°36' 0"	M	OK	20' Polk	-	-	-	-	-	-
1090.00	294°36' 0"	-38°54' 0"	M	OK	20' Polk (Check for fault)	-	-	-	-	-	-
1123.00	296° 0' 0"	-37°48' 0"	M	OK	20' Polk	-	-	-	-	-	-
1168.00	294°36' 0"	-38° 0' 0"	M	OK	"	-	-	-	-	-	-
1204.00	295°18' 0"	-37°42' 0"	M	OK	"	-	-	-	-	-	-
1237.00	296° 6' 0"	-37°42' 0"	M	OK	"	-	-	-	-	-	-
1270.00	296° 6' 0"	-38° 0' 0"	M	OK	"	-	-	-	-	-	-
1327.00	298° 0' 0"	-37°42' 0"	M	OK	"	-	-	-	-	-	-
1387.00	299°30' 0"	-36°18' 0"	M	OK	20' Polk Rhy etc (2nd test)	-	-	-	-	-	-
1420.00	299°42' 0"	-35°54' 0"	M	OK	20' Polk (2nd test)	-	-	-	-	-	-

HOLE NUMBER: 8580

DRILL HOLE RECORD

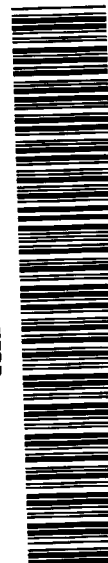
LOGGED BY: D. Richardson

PAGE: 1

David Richardson
Oct 27 2000

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FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
697.50 TO 700.50	«D,P» Pillowed Dacite	<p>PILLOWED DACITE</p> <p>-Medium green -Fine grained -Selvages spaced 0.8m apart at 697.0 grading to 0.3m apart at lower contact -Selvages are filled with chlorite and graphite (not enough graphite to be conductive) -Vessicles filled with clear quartz and calcite increase in abundance from <1% to >3.0% -Tops possibly downhole due to gradation of vessicles, increase in selvages, and a graphite-chlorite filled flow top interval between 700.3-700.5 -Non magnetic</p> <p>Weak schistosity « Fol 60° »</p> <p>Lower contact marked by flow top breccia between 700.3-700.5 having 30-40% angular mafic clasts with 50-60% fine chloritic and graphitic matrix</p>		<p>Moderate pervasive chlorite</p> <p>Strong pervasive carbonate</p>	<p>Nil-trace <1mm Pyrite grains</p>	
700.50 TO 743.00	«D,M» Massive Dacite	<p>MASSIVE DACITE</p> <p>-Medium green -Fine grained -No selvaged evident -<1% 1-5mm wide primary chlorite filled fractures -Massive -<1% 3-10mm white feldspar phenocrysts -Non magnetic</p> <p>Weak schistosity « Fol 55° »</p> <p>704.7-709.0 massive medium to coarse grained A/D1 dyke with 1-3mm feldspar phenocrysts and 1-3mm dark green grains</p> <p>Lower contact vague but marked by fining towards pillowed mafic volcanic</p>		<p>Moderate pervasive carbonate alteration</p> <p>Moderate pervasive chlorite alteration</p> <p>Moderate quartz-carbonate veining (3-5% of unit) 0.3-20.0 cm wide</p>	<p>Trace disseminated Pyrite grains</p>	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
743.00 TO 799.80	«D,P» Pillowed Dacite	<p>PILLOWED DACITE</p> <p>-Medium green -Fine grained -Selvages are 2.0-20.0cm wide and are filled with chlorite and trace amounts of graphite. Some selvage margins are variolitic (devitrification) Selvages range in angle from 10-60° TCA and are spaced 0.5-2.0m apart -<1% round clear calcite filled vesicles concentrated next to selvage margins preferably on the uphole side indicating tops are downhole -Non magnetic except over Pyrrhotite blebs in graphitic selvages</p> <p>Weak schistosity «- Fol 55° »</p>		<p>Variable weak to strong pervasive carbonate alteration</p> <p>Moderate pervasive chlorite</p>	<p>Trace-1% disseminated Pyrite in selvages</p> <p>Trace-1% disseminated Pyrrhotite blebs in or adjacent to selvages</p> <p>796.5-796.6 graphitic selvage containing Pyrrhotite blebs with trace chalcopyrite exsolution</p>	
799.80 TO 892.20	«D,M» Massive Dacite	<p>MASSIVE DACITE</p> <p>-Dark green -Fine grained except for 0.2-2.0cm white albite phenocrysts coalescing in clusters. 1-3% abundance throughout unit grading from 0.2cm at margins of unit to 2.0cm in interior of unit -Interspersed vesicular zones with large 2-10mm round clear quartz and carbonate filled vesicles -Minor graphite in flow margins -Non magnetic</p> <p>Weak schistosity «- Fol 50° »</p> <p>799.8-811.8 massive mafic volcanic cut by numerous quartz-carbonate veins (≈3-5% of unit)</p> <p>811.8-816.6 lighter green vesicular mafic volcanic with 5-10% round 1-10cm clear quartz-carbonate filled vesicles</p> <p>816.6-817.1 graphitic interflow sediment. Non conductive 1-2% Pyrrhotite and Pyrite blebs</p> <p>817.1-821.5 vesicular mafic volcanic with 5-10cm interflow zones spaced 1.5m apart</p>				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
892.20 TO 1054.00	«D,P» Pillowed Dacite	821.5-844.0 4-6% 0.2-5.0cm clusters of albite phenocrysts/porphyroblasts, possibly feldspar rich mafic clasts? Albite clusters are coarse in the interior of the unit and fine at the margins. 1-3% 2-10mm round vesicles (WR taken) 844.0- massive mafic volcanic with 1% 1-5mm albite phenocrysts and rare 3.0cm albite clusters PILLOWED DACITE -Dark grading to medium green -2-3% round disseminated quartz-carbonate filled vesicles. No apparent grading of vesicles -Selvages are vague, 1.0-3.0 cm wide, and spaced 3-5m apart. Some are filled with trace amounts of graphite -Trace-1% 1-5mm disseminated albite phenocrysts -Non magnetic except over Pyrrhotite bearing graphitic selvages Weak schistosity «Fol 50°» 920.6-922.4 «FLT» broken core 984.6-920.6 dark green mafic volcanic 920.6-1054 green mafic volcanic 1037.8 -1037.9 graphitic selvage Lower contact is gradational as bleaching alteration gradually increases in intensity		984.6-920.6 strong pervasive carbonate 920.6-941.0 nil pervasive carbonate alteration. lighter colour to mafic volcanic unit possibly due to trace pervasive sericite. Moderate pervasive chlorite 941.0-954.0 strong pervasive carbonate alteration 954.0- patchy strong to weak pervasive carbonate alteration weak to moderate bleaching of mafic volcanics giving interval an olive green colour Minor quartz-carbonate veining 1021.0-1031.0 strong (5% of unit) quartz-carbonate veining	Trace disseminated 1mm Pyrite cubes Some graphitic selvages contain Pyrrhotite with minor chalcopyrite exsolution. e.g. sampled graphitic selvage with 20% Po at 1015.5-1015.7) graphitic selvages also at 1028.3 -1028.4, 1029.2-1029.3, 1037.8-1037.9	
1054.00 TO 1354.80	«D,P» Pillowed Dacite	PILLOWED DACITE -Light bleached olive green -Fine grained aphanitic to crystalline -Selvages are 1.0-5.0cm wide, spaced 0.5-2.0m, filled with dark green chlorite, and range in angle from 10-70° TCA -Minor 1.0-3.0cm primary vug to fracture shaped chloritic patches, chloritic insitu brecciation -Weakly vesiculated with 1-3mm round quartz-carbonate filled vesicles concentrated in upper portion of unit		Olive green bleached colour with strongly chloritic selvages and primary fractures. Bleaching alteration is due to pervasive carbonate and trace pervasive sericite Moderate (locally weak or strong) pervasive carbonate alteration Weak (<1%) quartz-carbonate veining in upper portion of unit grading to moderate (1-3%) quartz-carbonate	Trace fine disseminated Pyrite 1280.5-1310.0 Minor 1-5cm wide graphitic selvages containing 5-20% Pyrrhotite. Trace <1mm blebs of Chalcopyrite exsolution grains from Pyrrhotite	Some graphitic selvages in upper 3/4 are weakly conductive Core stored from 1320.3-E.O.H.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>-<1% 3-10mm disseminated (variable concentration) subhedral white feldspar phenocrysts -Non magnetic. Suceptibility ranges from 0.34-0.58</p> <p>Weak schistosity «Fol 60°»</p> <p>1087.5-1105.5 area of poor RQD ‡1094.5-1096.0‡ «FLT» weakly broken core RQD ‡1099.0-1099.4‡ «FLT» broken core ‡1102.8-1103.4‡ «FLT» broken core ‡1103.9-1105.0‡ «FLT» broken core</p> <p>‡1111.3-1111.6‡ «FLT» broken core ‡1112.2-1112.5‡ «FLT» broken core</p> <p>area of poor to moderate RQD from 1155.5-1174.2 ‡1155.5-1156.0‡ «FLT» broken core ‡1160.2-1160.6‡ «FLT» broken core ‡1164.2-1164.8‡ «FLT» broken core trace gouge ‡1170.0-1170.3‡ «FLT» broken core trace gouge</p> <p>‡1238.6-1238.7‡ «FLT» weak shear trending 30° TCA</p> <p>1146.0-1173.6 insitu brecciated mafic volcanics having a more massive slightly coarser grain size (~1mm) and chloritic insitu breccia fractures. Possibly A/D but more likely massive interior of flow</p> <p>1173.6-1259.5 weakly bleached pillowed mafic volcanic having vesicular selvage margins and minor autobreccia</p> <p>1259.5-1264.5 medium green massive mafic volcanic or intrusive (A/DI?), 1mm grain size. Upper contact to interval sharp at 25° TCA. Feldspar phenocrysts take on a "albite flower" texture as feldspars occur in 2cm clusters</p> <p>1264.5-1330.2 weakly bleached pillowed mafic volcanic with interspersed 2-8m massive mafic volcanic intervals. 0.5-3.0m spaces pillow selvages having bleached and vesicular margins. Selvage margins are slightly more bleached and</p>		<p>veining from 1114.0 1150.0. Weak quartz-carbonate veining from 1150.0-1354.8</p>		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>vesicular on the downhole side indicating tops in a up-hole direction. 1275.0-1290.0 area containing patches of numerous 1-8mm round quartz-carbonate filled vesicles (up to 15%). 1280.5-1310.0 some selvages are filled with minor graphite</p> <p>1330.2-1332.3 massive mafic volcanic having 1-5mm wide irregular carbonate and/or albite filled fractures giving unit an insitu brecciated texture. Nil-weak bleaching. Moderate pervasive carbonate alteration (locally weak) and strong fracture controlled carbonate alteration</p> <p>1332.3-1341.1 intrusive mafic A/D looking interval 1% 1-4cm subhedral white albite phenocrysts. Massive. Nil-weak bleaching. Strong pervasive carbonate alteration. Slightly lower magnetic susceptibility (0.25-0.29) than the surrounding mafic volcanic (0.35-0.50)</p> <p>1341.1-1355.0 pillowed Dacite (mafic volcanic) strongly bleached to light green (not quite olive) by trace pervasive sericite and strong pervasive carbonate. Selvages are spaced 1.0m apart. Vesicular margins to selvages. Tops vaguely indicated in an uphole direction as selva margins are slightly more vesicular on the downhole side indicating tops are uphole.</p> <p>Lower contact sharp at 50° TCA</p>				
1354.80 TO 1362.60	«M,RLT» Mixed Rhyolite Lapilli Tuff	<p>MIXED RHYOLITE LAPILLI TUFF</p> <p>-Dark green-grey</p> <p>Lapilli Composition: -40% dark grey 0.1-3.0cm subrounded to subangular siliceous rhyolite lapilli -20-25% dark green wispy 0.1-3.0cm mafic lapilli -2-3% subrounded to angular black 0.5-1.0cm argillite lapilli -Some of the 5-7% Pyrrhotite in unit has the form of 1.0-2.0cm angular Pyrrhotite clasts -30-35% fine strongly chloritic (mafic?) and very weakly argillaceous matrix giving matrix a dark</p>		<p>Strong pervasive chlorite in matrix and some clasts</p> <p>See texture and structure</p>	<p>Overall 5-7% moderately conductive and locally connective Pyrrhotite blebs stringers and possibly fragments</p>	<p>Pyrrhotite in unit could be source of BHEM anomaly at 1250 from DDH 8495</p>

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>green /black colour (argillite component is not conductive)</p> <p>-Very vague fining uphole from average <1.0cm clast size at 1354.8 to >1.0cm average clast size at 1362.6.</p> <p>-Rhyolite component slightly increases from 1354.8 to 1362.6</p> <p>-Unit is moderately conductive due to locally connective Pyrrhotite blebs and stringers</p> <p>-Weakly magnetic due to Pyrrhotite content. Suceptibiity ranges from 0.19 to 0.54</p> <p>Weak to moderate schistosity « Fol 40° »</p> <p>1355.8-1356.5 mixed fine siliceous rhyolite tuff and mafic volcanic. 10-20cm mafic volcanic intervals may be clasts 5-8% magnetic Pyrrhotite in felsic tuff zones primarily concentrated at the upper contact. Strong pervasive carbonaet alteration moderate pervasive chlorite</p> <p>1356.5-1360.0 mixed rhyolite lapilli tuff. 4-5% 1-0.5cm fine disseminated magnetic and non-magnetic Pyrrhotite blebs. Strong pervasive chlorite alteration and strong pervasive carbonate alteration.</p> <p>1360.0-1362.6 mixed rhyolite lapilli tuff. 5-10% 0.1-3.0cm Pyrrhotite blebs (some clasts?) and stringers. 1-2% Pyrite grains associated with Pyrrhotite</p> <p>Lower contact slightly gradational over 10.0cm</p>				
1362.60 TO 1366.70	«RLT,Ser» Sericitic Rhyolite Lapillit Tuff	<p>SERICITIC RHYOLITE LAPILLI TUFF</p> <p>-Light grey-sericitic waxy yellow</p> <p>-70-80% 0.1-10.0cm subangular quartz-phyric sericitic rhyolite lapilli</p> <p>-3-4% subrounded siliceous/cherty 0.1-1.0cm rhyolite lapilli</p> <p>-1% 0.5-1.0cm subrounded argillite and Pyrrhotite clasts</p> <p>-20-25% sericitic, fuchsitic, and locally weakly</p>		<p>Strong pervasive sericite alteration</p> <p>Moderate fuchsite alteration in matrix to lapilli tuff</p> <p>Trace chlorite in matrix</p> <p>Nil-Trace argillite in matrix</p> <p>1362.9 broken side of core contains</p>	<p>1362.6-1365.1 3-5% nonmagnetic Pyrrhotite blebs, stringers, and possibly clasts, 1-2% Pyrite grains and stringers</p> <p>1365.1-1366.1 15% nonmagnetic Pyrrhotite stringers. 2-3% Pyrite stringers</p> <p>1366.1-1366.7 3-5% nonmagnetic</p>	<p>Unit may represent felsic debris flow off rhyolite flows</p>

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>argillaceous matrix</p> <p>-No sorting evident</p> <p>-Non magnetic. Pyrrhotite is nonmagnetic</p> <p>Weak schistosity «-Fol 44°-» Lineations 40° TCA</p> <p>1365.1-1366.1 elevated sulphides 15% nonmagnetic Pyrrhotite stringers. 2-3% Pyrite stringers</p> <p>Lower contact marked by 15.0cm wide wispy bleached pale yellow rhyolite at 40° TCA</p>		<p>Pyrite stringers and sericite alteration resembling proximal Kidd alteration in hangingwall RLT above Cu stringer zone (e.g. 47 HW Dr Dr Access)</p>	<p>Pyrrhotite blebs, stringers, and possibly clasts, 1-2% Pyrite grains and stringers</p>	
1366.70 TO 1399.00	«R,M» Massive Rhyolite	<p>MASSIVE RHYOLITE</p> <p>-Light grey</p> <p>-Fine grained</p> <p>-Massive intervals interspersed with 0.1-1.0cm zones of autobreccia having 80-90% 1.0-3.0cm subrounded felsic clasts in a fine felsic matrix</p> <p>-1-3% <1-1mm subangular quartz phenocrysts</p> <p>-Harder than steel</p> <p>-Non magnetic. Suceptibility measured at 0.02-0.09</p> <p>Weak schistosity «-Fol 50°-»</p> <p>1366.7-1399.0 light grey moderately silicified and sericitic massive and autobrecciated rhyolite</p> <p>Lower contact slightly gradational</p>		<p>Waxy yellow strong fine pervasive sericite alteration at upper contact grading to light grey strong silicification with weak-moderate sericite and trace pervasive chlorite. Weak local pervasive and fracture controlled carbonate alteration.</p> <p>Quartz-carbonate vein from 1367.5-1368.0</p>	<p>1366.7-1368.0 2-4% non magnetic Pyrrhotite stringers 1-2mm wide and 5mm blebs. 1-2% disseminated Pyrite stringers</p> <p>1368.0-1368.5 trace (<0.5%) 1-3mm wide Sphalerite stringers at 30° TCA. 1-2% disseminated Pyrite blebs and stringers. 1-2% non magnetic Pyrrhotite stringers.</p> <p>1368.5-1382.5 1-2% Pyrite stringers. <1% non magnetic Pyrrhotite stringers</p> <p>1382.5-1399.0 essentially nil sulphides</p>	<p>Unit resembles footwall massive rhyolite at Kidd</p>
1399.00 TO 1411.50	«R,M» Massive Rhyolite	<p>ARGILLITE STAINED MASSIVE RHYOLITE</p> <p>-Dark grey due to fine pervasive argillite/graphite staining</p> <p>-Glassy</p> <p>-Fine grained</p> <p>-Massive</p> <p>-Rare 1mm quartz phenocrysts from 1410.5-1411.5 at lower contact</p> <p>-Insitu brecciated from 1406.7-1411.5 with</p>		<p>Moderate to strong pervasive argillite staining (carbonaceous alteration) giving unit a dark grey-black colour. Matrix to insitu breccia is also argillaceous stained</p> <p>Moderate pervasive chlorite</p> <p>Strong pervasive silicification giving unit a glassy obsidian look</p>	<p>Trace (<0.5%) fine disseminated Pyrite</p>	<p>Fine pervasive argillaceous alteration is centred around fault zone from 1406.2-1406.7</p>

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>10-30% 1-5mm argillaceous fractures separating 0.5-4.0cm angular jigsaw fit rhyolite clasts -Non magnetic. Suceptibility measured at 0.07-0.13</p> <p>Moderate schistosity « Fol 62° »</p> <p> 1406.2-1406.7 «FLT» 10° TCA strong fault, broken and rubbly core, trace gouge 1407.9 «FLT» weak slip with 1mm grit 1411.2-1411.4 «FLT» moderate fault at 60° TCA with 1cm quartz-carbonate bands and trace grit</p> <p>Lower contact slightly gradational</p>				
1411.50 TO 1475.50	«R,M» Massive Rhyolite	<p>MASSIVE RHYOLITE</p> <p>-Medium grey -Fine grained aphanitic -Massive with interspersed 0.1-1.0m zones of autobreccia having 50-80% subangular monolithic massive rhyolite clasts in a fine felsic matrix. Autobreccia clast outlines are vague and blend in with unit. Locally this unit has vague lapilli tuff textures in the interflow autobreccia zones as autobreccia clasts sometimes resemble lapilli -Possible flow banding at 1446.7-1447.0 with parallel 1-5mm white siliceous and dark grey bands at 60° TCA, parasitically folded -1% 1mm disseminated calcite blebs -<1% vague 1mm quartz phenocrysts partly masked by intense silicification -Magnetic suceptibility measured at 0.06-0.10</p> <p>Moderate schistosity « Fol 55° »</p> <p>1471.1 flow banded rhyolite clast</p> <p>1411.5-1421.5 massive rhyolite with 5-10% angular clear quartz filled vugs or clasts</p> <p>Lower contact sharp but wispy trending 20° TCA</p>		<p>Strong pervasive silicification</p> <p>Weak pervasive chlorite and sericite</p> <p>1421.5 trace fuchsite</p>	Trace Pyrite as fine blebs and 2mm fracture filling	20000

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
1475.50 TO 1482.20	<RLT> Rhyolite Lapilli Tuff	RHYOLITE LAPILLI TUFF -Medium grey -70-80% 0.5-3.0 cm ghost white silicified subrounded rhyolite lapilli -20% fine chloritic matrix -No apparent grading -Non magnetic. Suceptibility measured at 0.10 Moderate schistosity « Fol 55° » Lower contact sharp at 37° TCA		Lapilli are strongly silicified some to the point where they are pure quartz Strong chlorite alteration in matrix to lapilli tuff Trace fuchsite at lower contact	Trace fine disseminated Pyrite	
1482.20 TO 1497.30	<B,K> Basaltic Komatiite	BASALTIC KOMATIITE -Dark grey -Fine-medium grained <=1mm grain size -Massive -1-3% disseminated 0.3-2.0cm angular quartz blebs -2-5% randomly oriented lines of carbonate blebs -Non magnetic. Suceptibility measured at 0.20-0.25 Weak schistosity « Fol 52° » Weak slip at 25° TCA, 1cm above lower contact Lower contact Sharp at 25° TCA.		Strong pervasive chlorite Moderate quartz-carbonate alteration as blebs and in fractures	trace (<0.05%) fine disseminated Pyrite	Fine massive ultramafic
1497.30 TO 1503.10	<R,M> Massive Rhyolite	MASSIVE RHYOLITE -Medium grey -Fine grained -Massive with 0.1-0.5m intervals of autobreccia having vague 0.5-3.0cm clast outlines and 50-90% subangular silicified rhyolite clasts in a fine moderately sericitic, weakly chloritic, and trace fuchsitic felsic matrix -2-4% white 1-3mm euhedral feldspar phenocrysts -1% 1mm quartz phenocrysts -Glassy -Non magnetic. Suceptibility measured at Moderate schistosity		Strong pervasive silicification giving unit a glassy look in places Weak pervasive sericite	Trace fine disseminated Pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
1503.10 TO 1509.10	«MF» Mafic Fragmental	« Fol 30° » Lower contact sharp at 30° TCA MAFIC FRAGMENTAL -Dark green -10% 0.2-3.0cm vague subangular mafic lapilli in a fine to medium grained matrix. Matrix is made up of 1-2mm white feldspar grains and dark green hornblende and/or pyroxene grains. -Trace <1mm white leucoxenes -No apparent grading -Non magnetic. Suceptibility measured at 0.20-0.25 Moderate schistosity « Fol 35° » Lower contact sharp at 40° TCA		Strong pervasive carbonate alteration Strong pervasive chlorite	Nil-trace Pyrite Weak patchy fuchsite alteration (e.g. @1508.0m)	Check chemistry for ultramfic traces
1509.10 TO 1529.00	«R,M» Massive Rhyolite	MASSIVE RHYOLITE FLOWS -Light sericitic yellow-grey -Fine grained aphanitic with 1-7mm hexagonal, cube, and round shaped quartz grains varying in concentration from <1% to 10% -Distribution and texture of quartz grains indicates that they could be vesicles however some quartz filled vesicles contain a white feldspar like 1mm euhedral mineral that does not fizz. Quartz grains could represent replaced spherulites or also quartz overgrowths with feldspar nucleuses -Some quartz grains/amygdules have been weakly altered by chlorite giving them a dark black colour, creating a leopard spotted look -5% 1-2mm white euhedral to round feldspar phenocrysts -Massive with minor intervals of 0.2-0.6m interflow autobreccia having 50% vague rhyolite clasts in a fine sericitic and weakly fuchsitic rhyolite matrix -Non magnetic. Suceptibility measured at 0.02-0.10. Massive textured zones have lower magnetic suceptibility		Strong pervasive sericite. Strong pervasive silicification Weak chlorite concentrated adjacent and partly in/replacing quartz phenocrysts. Weak schistosity controlled chlorite alteration on planes of schistosity. Trace patchy flourescent green fuchsite alteration preferentially in interflow zones	Trace fine disseminated Pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>Strong schistosity at «Fol 55°»</p> <p> 1524.0-1526.1 «FLT» broken core moderate fault</p> <p>1509.1-1510.6 massive glassy/sericitic rhyolite</p> <p>1510.6-1521.5 leopard texture with black chlorite-quartz phenocrysts/vesicles in light yellow-grey matrix</p> <p>1521.5-1527.4 massive glassy feldspar phyric rhyolite. White feldspars grade from <1% and <1mm at margins to 5-10% and 7mm diameter in interior of interval. Spherulites or vesicles?</p> <p>1527.4-1529.0 leopard texture with dark quartz-chlorite phenocrysts in a yellow-grey sericitic matrix</p> <p>Lower contact weakly broken from 1528.0-1529.0 «FLT»</p>				
1529.00 TO 1538.50	«QV,FLT» Faulted Quartz Vein	<p>FAULTED QUARTZ VEIN</p> <p>-Badly broken milky white quartz having minor sericitic rhyolite inclusions</p> <p>-Very poor RQD</p> <p>-Non magnetic. Suceptibility measured at 0.00-0.01</p> <p> 1529.0-1538.5 «FLT» strong fault over whole unit broken down as follows</p> <p>1529.0-1530.0 broken quartz vein with a 10cm rhyolite inclusion</p> <p>1530.0-1530.3 low angle gouge fault. Fault is 20° TCA contains 1cm gouge and is filled with chlorite and sericite</p> <p>1530.3-1532.5 fairly coherent quartz vein having RQD of 70-80</p> <p>1532.5-1535.5 badly broken and gouge bearing</p>		<p>Quartz-carbonate vein</p> <p>sericite mixed in some badly faulted zones</p> <p>Minor chlorite in rhyolite inclusions</p>	<p>Nil sulphides</p>	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		<p>fault zone with sericite and chlorite</p> <p>1535.5-1536.5 moderately broken rhyolite inclusion</p> <p>1536.5-1538.5 weakly broken quartz vein</p> <p>Lower contact sharp at 35° TCA</p>				
1538.50 TO 1605.60	«A/D1» Andesite Diorite Type 1	<p>ANDESITE DIORITE TYPE 1</p> <p>-Dark green</p> <p>-Fine to medium grained with <1.0-2.0mm disseminated plagioclase, hornblende, and chloritized pyroxenes</p> <p>-5-7% disseminated 1mm white leucoxenes</p> <p>-Massive</p> <p>-First portion of unit is nonmagnetic however after sharp contact at 1552.6 unit is strongly magnetic due to fine disseminated Pyrrhotite</p> <p>Weak schistosity « Fol 40° »</p> <p> 1545.3-1545.4 «FLT» broken core, strong fault</p> <p>1548.0-1552.6 non magnetic A/D1. Magnetic susceptibility of 0.23-0.30 sharp lower contact between nonmagnetic and magnetic interval</p> <p>1552.6-1576.8 strongly magnetic A/D1 due to 3-6% 1-3mm disseminated magnetic Pyrrhotite blebs. Magnetic susceptibility measured at 7.0-12.0</p> <p>1576.8-1605.6 non magnetic A/D1</p> <p>Lower contact slightly gradational over 1.0cm. Alteration contact between upper A/D1 and lower silicified A/D1</p>		<p>Strong pervasive chlorite alteration</p> <p>Moderate to strong pervasive and micro fracture controlled carbonate alteration</p> <p>Trace quartz-carbonate veining 1-10mm wide trending 50° TCA</p>	<p>1548.0-1552.6 1% fine disseminated Pyrite</p> <p>1552.6-1576.0 3-6% disseminated 1-3mm magnetic Pyrrhotite blebs giving unit strong magnetic signature. Trace fine Pyrite</p> <p>1576.0-1620.0 Trace-1% fine disseminated Pyrrhotite and Pyrite</p>	
1605.60 TO 1606.00	«QV,A/D1» Quartz Vein & Silicified A/D1	<p>QUARTZ VEIN AND SILICIFIED A/D1</p> <p>-Medium to light grey silicified A/D1. Silicification is due to quartz vein at 1605.9-1606.0</p> <p>-Medium grained 1.0-2.0mm clear euhedral</p>		<p>Strong pervasive silicification in A/D1 due to adjacent quartz vein.</p> <p>Weak pervasive carbonate alteration</p>	<p>10-12% disseminated 1.0-7.0mm euhedral Pyrite grains. Sulphide related to quartz vein</p>	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
1606.00 TO 1620.00	<A/D1> Andesite Diorite Type 1	<p>plagioclase (rectangular with lamellae) grains and <1.0-2mm chloritized pyroxenes and/or hornblende grains</p> <p>-10% disseminated 1.0-7.0mm euhedral Pyrite grains</p> <p>-Pyrite is grades outward from 10-12% immediately adjacent to the quartz vein to <1% 1m on both upper and lower margins to the quartz vein</p> <p>-Non magnetic. Suceptibility measured at 0.23-0.34</p> <p>Lower contact quartz vein at 70° TCA</p> <p>ANDESITE/DIORITE TYPE 1</p> <p>-Dark green</p> <p>-Medium grained 1-2mm chloritized pyroxenes and/or hornblende grains, and white to clear plagioclase grains</p> <p>-35% disseminated 1mm white leucoxne grains</p> <p>-Massive</p> <p>-Non magnetic. Suceptibility measured at 0.37-0.47</p> <p>Weak schistosity « Fol 55° »</p> <p>Excellent RQD</p>		<p>Strong pervasive chlorite alteration</p> <p>Strong pervasive carbonate alteration</p>	<p>Trace disseminated Pyrite except at upper contact where it grades from 10% Pyrite at upper contact to trace Pyrite over 30cm</p>	
1620.00 TO 1620.00	<E.O.H.>					

Sample	From (M)	To (M)	Leng. (M)	Ag g/t	Cu ppm	Zn ppm	Pb ppm	Au ppb	Ni ppm	MIN	ALT	ROCK TYPE
KA02936	796.50	796.70	0.20	0.2	403	129	1	<2	201			5g sel
KA02937	1015.00	1015.50	0.50									
KA02938	1015.50	1015.70	0.20									Po sel
KA02939	1015.70	1016.50	0.80									
KA02940	1294.90	1295.10	0.20									5g sel
KA02941	1354.00	1354.80	0.80	0.1	76	118	1	3	195			
KA02942	1354.80	1355.60	0.80	0.1	58	140	2	7	208			
KA02943	1355.60	1357.00	1.40	0.1	43	184	1	3	150			
KA02944	1357.00	1358.50	1.50	0.1	33	164	1	3	274			
KA02945	1358.50	1360.00	1.50	0.1	49	210	1	3	333			
KA02946	1360.00	1361.50	1.50	0.6	48	547	17	7	159			
KA02947	1361.50	1362.60	1.10	0.5	30	421	16	3	98			
KA02948	1362.60	1364.00	1.40	0.2	26	161	8	3	11			
KA02949	1364.00	1365.00	1.00	0.6	88	257	14	Nil	131			
KA02950	1365.00	1366.10	1.10	0.8	117	435	19	Nil	298			
KA04551	1366.10	1366.70	0.60	0.3	84	186	6	<5	218			
KA04552	1366.70	1368.10	1.40	0.3	36	138	2	<5	47			
KA04553	1368.10	1368.40	0.30	0.3	47	1620	22	<5	14			
KA04554	1368.40	1369.00	0.60	0.3	18	152	9	<5	5			
KA04555	1369.00	1370.50	1.50	0.2	17	100	6	0.2	5			

2. 2000

GEOLOGICAL CODES

LITHOLOGY CODE	DESIGNATION
UR	UNDIFFERENTIATED RHYOLITE
R	RHYOLITE
QP	QUARTZ PORPHYRY
CB	CHERTY BRECCIA
D	"DACITE"
A-D	ANDESITE/DACITE
A/D	"ANDESITE/DIORITE" UNDIFFERENTIATED TYPE 1 OR 2
A/D3	"ANDESITE/DIORITE" TYPE 3
G	GREYWACKE
BA	BLACK ARGILLITE
BC	BLACK CHERT
S	SERPENTINITE
TC	TALC-CARBONATE OR CARBONATE ROCK
QFP	QUARTZ FELDSPAR PORPHYRY
A/D1	"ANDESITE/DIORITE" TYPE 1
A/D2	"ANDESITE/DIORITE" TYPE 2
PCR	PYRITE-CARBONATE ROCK
AM	AMPHIBOLITE
QV	QUARTZ VEIN
MV	MAFIC VOLCANICLASTIC
MRF	MIXED RHYOLITE FRAGMENTAL
MMF	MIXED MAFIC FRAGMENTAL
PK	PYROKENITIC KOMATIITE (EXTRUSIVE-SPINIFEX TEXTURED)
BK	BASALTIC KOMATIITE (EXTRUSIVE-MICROQUENCH TEXTURED)
A/D4	ALTERED (I.E. CARBONATED) "ANDESITE-DIORITE" TYPE 4
MGT	MAGNESIUM THOLEIITE
NUR	MIXED UNDIFFERENTIATED RHYOLITE
NR	MIXED RHYOLITE
MQP	MIXED QUARTZ PORPHYRY
MCB	MIXED CHERTY BRECCIA
MD	MIXED "DACITE"
MA-D	MIXED ANDESITE/DACITE
MA/D	MIXED "ANDESITE/DIORITE" UNDIFFERENTIATED TYP 1 OR 2
MA/D3	MIXED "ANDESITE/DIORITE" TYPE 3
MG	MIXED GREYWACKE
MBA	MIXED BLACK ARGILLITE
MBC	MIXED BLACK CHERT
MS	MIXED SERPENTINITE
MTC	MIXED TALC-CARBONATE OR CARBONATE ROCK
MQFP	MIXED QUARTZ FELDSPAR PORPHYRY
MA/D1	MIXED "ANDESITE/DIORITE" TYPE 1
MA/D2	MIXED "ANDESITE/DIORITE" TYPE 2
MPCR	MIXED PYRITE-CARBONATE ROCK
MAM	MIXED AMPHIBOLITE

Dacite = Mafic Volcanic

STRUCTURE CODE	DESIGNATION
S	UNDIFFERENTIATED SCHISTOSITY
WS	WEAKLY SCHISTOSE
MS	MODERATELY SCHISTOSE
SS	STRONGLY SCHISTOSE
G	GOUGE
MZ	"MILLED ZONE"
FV	FRACTURED AND VEINED
VBS	VERY STRONGLY SCHISTOSE
FZ	FAULT ZONE
FZG	FAULT ZONE - GOUGE
FZS	FAULT ZONE - VERY STRONG SCHISTOSITY
D&K	DISCING



42A11NW2019 2.20663 KIDD 030

MINERALIZATION CODE	DESIGNATION
SS	STRINGER SULPHIDES: <30%
DS	DISSEMINATED ORE SULPHIDES WITHOUT PY: <30% S
SM	SEMI-MASSIVE: 30-50%
MS	MASSIVE: >50%
DP	DISSEMINATED PYRITE: <30%
MSP	MASSIVE SULPHIDES MAINLY PYRITE
MSC	MASSIVE SULPHIDES MAINLY CHALCOPYRITE
MSS	MASSIVE SULPHIDES MAINLY SPHALERITE
MSSC	MASSIVE SULPHIDES MAINLY CHALCOPYRITE+SPHALERITE
1-5S	1-5% SULPHIDES WITH OR WITHOUT PYRITE
5-10S	5-10% SULPHIDES WITH OR WITHOUT PYRITE
10-30S	10-30% SULPHIDES WITH OR WITHOUT PYRITE
SPHS	SPHALERITE STAINING
SSPH	STRINGER SPHALERITE
>50 PO	>50% PYRRHOTITE
30-50 PO	30-50% PYRRHOTITE
5-30 PO	5-30% PYRRHOTITE
1-5 PO	1-5% PYRRHOTITE
M	MAGNETITE
TS	TRACE SULPHIDES
TP	TRACE PYRITE
TC	TRACE CHALCOPYRITE
TSP	TRACE SPHALERITE
TPO	TRACE PYRRHOTITE
BO	BORNITE
FSS	FRAGMENTS STRINGER SULPHIDES: <30%
FDS	FRAG. DISSEM. ORE SULPHIDES WITH/WITHOUT PY: <30% S
FSM	FRAGMENTS SEMI-MASSIVE: 30-50%
FMS	FRAGMENTS MASSIVE: >50%
FDP	FRAGMENTS DISSEMINATED PYRITE: <30%
FMSP	FRAGMENTS MASSIVE SULPHIDES MAINLY PYRITE
FMSC	FRAGMENTS MASSIVE SULPHIDES MAINLY CHALCOPYRITE
FMSS	FRAGMENTS MASSIVE SULPHIDES MAINLY SPHALERITE
FMSSC	FRAGMENTS MASSIVE SULPHIDES MAINLY CHALCOPYRITE+SPHALERITE
F1-5S	FRAGMENTS 1-5% SULPHIDES WITH OR WITHOUT PYRITE
F5-10S	FRAGMENTS 5-10% SULPHIDES WITH OR WITHOUT PYRITE
F10-30S	FRAGMENTS 10-30% SULPHIDES WITH OR WITHOUT PYRITE

TEXTURE CODE	DESIGNATION
M	MASSIVE
PR	PSEUDOMASSIVE RHYOLITE
P	PILLOWED
F	UNDIFFERENTIATED FRAGMENTAL
FA	UNDIFFERENTIATED AGGLOMERATE PLUS LAPILLI
T	TUFF
L	LAPILLISTONE
AL	AGGLOMERATIC LAPILLISTONE
BX	BRECCIATED
FB	FLOW BANDED
B	BEDDED
SX	SPINIFEX TEXTURE
C	CONGLOMERATIC OR CONGLOMERATE
BP	BRECCIATED PILLOWS
SM	SPOTTED TO HEALY
A	AGGLOMERATE
S	SPHERULITIC
AF	ALBITE FLOWERS
TW	TUFFWACKE
MPQ	MASSIVE-PORPHYRITIC QUARTZ "EYES"
FT	FLOW TEXTURED (I.E. CRACKLE-BRECCIATION, CURDY, ETC.)
MFT	MASSIVE - FLOW-TEXTURED
MFB	MASSIVE - FLOW-BANDED (FINE HAIRLINE)
MS	MASSIVE - SPHERULITIC
MAF	MASSIVE - ALBITE FLOWERS
MPQA	MASSIVE - PORPHYRITIC QUARTZ EYES + ALBITES
MPA	MASSIVE - PORPHYRITIC ALBITE
TPQ	TUFF - PORPHYRITIC QUARTZ EYES
TPA	TUFF - PORPHYRITIC ALBITE
TPQA	TUFF - PORPHYRITIC QUARTZ EYES + ALBITE
LT	LAPILLI TUFF
ALT	AGGLOMERATIC LAPILLI TUFF
QT	QUENCH-TEXTURED
NT	NETWORK TEXTURE (IN ULTRAMAFICS)
FBX	FLOW BRECCIA

SPECIAL COMMENT CODE	DESIGNATION
L7	LITHOLOGY IS QUESTIONABLE
IL	INTERBEDDED LITHOLOGIES
MF	MIXED FRAGMENTS
F	FRAGMENTS IN A NON-FRAGMENTAL
PO	PYRRHOTITE NOTED
AY	AMYGDALOIDAL
EX	EXTRUSIVE
CH	CHILLED
EX+CH	EXTRUSIVE + CHILLED
M	MAGNETIC
NM	NON-MAGNETIC
TU	TOPS UP HOLE
TD	TOPS DOWN HOLE
FL	FLUORITE
T	TOURMALINE
LXW	LEUCOXENE - WHITE
LXP	LEUCOXENE - PINK
QV	QUARTZ VEINING PRESENT
SV	SIDERITE VEINING
HA	HYDROTHERMAL ALTERATION
AX	AXINITE
H2O	WATER
INT	INTRUSIVE
INT/EX	INTRUSIVE/EXTRUSIVE
ILE	ILMENITE (I.E. SPECULARITE)
1-5 PO	1-5% PYRRHOTITE
5-10 PO	5-10% PYRRHOTITE
10-30 PO	10-30% PYRRHOTITE
SL	SEE LOG
SLA	SEE LOG ALTERATION
SLT	SEE LOG TEXTURE
SLM	SEE LOG MINERALOGY
SLSU	SEE LOG SULPHIDES
SLS	SEE LOG STRUCTURE
SLST	SEE LOG STRATIGRAPHY
B	BEDDED

ALTERATION CODE	DESIGNATION
SE	YELLOW-GREEN SERICITE
SEG	MEDIUM-GREEN SERICITE
CL	CHLORITIC
B	BIOTITIC
RD	UNDIFFERENTIATED "RHYODACITIC" ALTERATION
G+A	GRAPHITIC AND ARGILLACEOUS (CHLORITIC)
CC	CALCITIC
SI	SILICEOUS ("CHERTY")
CA+SI	CARBONATED AND SILICEOUS
CA+CL	CARBONATED AND CHLORITIC
SI+CL	SILICEOUS AND CHLORITIC
CA+BE	CARBONATED AND SERICITIC
CL+SE	CHLORITIC AND SERICITIC
SI+G	SILICEOUS AND GRAPHITIC
SI+SE	SILICEOUS AND SERICITIC
CL+A	CHLORITIC AND ARGILLACEOUS
G	GRAPHITIC
CA	CARBONATE-RICH (NOT CALCITE)
T	TALCOSE
A	AMPHIBOLITIC
SE+SI	SERICITIC, MILKY SILICIFICATION
SID	SIDERITE
CA+F	CARBONATED + FUCHSITE
SE+F	SERICITIC + FUCHSITE
CL+F	CHLORITIC + FUCHSITE
SER	SERPENTINIZED
SER+T	SERPENTINIZED + TALCOSE
SER+T+CA	SERPENTINIZED + TALCOSE + CARBONATED
SE+G	SERICITIC + GRAPHITIC
SI+SE+CL	SILICEOUS + SERICITIC + CHLORITIC
CL+B	CHLORITIC + BIOTITIC
T+CA	TALCOSE AND CARBONATED

1

2

3

5

6



Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
60060.00438
Assessment Files Research Imaging



42A11NW2019 2.20663 KIDD 900

subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this form should be directed to the Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario N2S 1Y9.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

2.20663

1. Recorded holder(s) (Attach a list if necessary)

Form with fields for Name, Address, Client Number, Telephone Number, Fax Number for Falconbridge Limited and Explorers Alliance Corporation.

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) []
Physical: drilling stripping, trenching and associated assays [X]
Rehabilitation []

Work Type: UNDERGROUND EXPLORATION DIAMOND DRILLING
Office Use: Commodity, Total \$ Value of Work Claimed \$261,700, NTS Reference, Mining Division, Resident Geologist District.

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Form with fields for Name, Address, Telephone Number, Fax Number for Greg Collins/Scott McLean. Includes a RECEIVED stamp from the Geoscience Assessment Office dated OCT 31 2000.

4. Certification by Recorded Holder or Agent

I, Greg Collins, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Greg Collins
Agent's Address: 1 CENTRE AVE, Schumacker
Telephone Number: (705) 296-8874
Date: OCT 27, 2000

Deemed Jan. 28/2001

RECEIVED stamp from Porcupine Mining Division dated OCT 30 2000.

10000.00458

Name COMAFLEX MINERALS CORP.	Client Number 302304
Address 1015-4 th ST SOUTHWEST, SUITE 901	Telephone Number (403) 265-2846
CALGARY, ALBERTA T2R 1J4	Fax Number (403) 232-1421

I am on record as an agent for both Explorers Alliance Corporation, and Comaplex Minerals Corporation.

RECEIVED
OCT 31 2000
GEOSCIENCE ASSESSMENT
OFFICE



**Schedule for Declaration of
Assessment Work on Mining Land**

Transaction Number (office use)
W0060.00438

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
<i>600419</i> Parcel 11054 Sec 8 1/2 L3 Conc VI Kidd TWP	64 Ha	\$70,600	\$0	\$70,600	\$0
<i>600419</i> Parcel 14123 Sec Lot 4 Conc VI Kidd TWP	64 Ha	\$141,600	\$0	\$50,855	\$90,745
<i>600419</i> 318 LC - P55862	16 Ha	\$44,500	\$0	\$0	\$44,500
<i>600419</i> 318 LC - P55863	16 Ha	\$5,000	\$0	\$0	\$5,000
P1219240	12		\$9,600 2 yrs		
P1219241	16		\$12,800 2 yrs		
P1219280	9		\$7,200 2 yrs		
P1227611	8		\$3,200		
P1227612	3		\$1,200		
P1227613	6		\$2,400		
P1227697	12		\$3,455		
P1219697	4		\$1,600		
P1189246	1		\$400		
P921754	1		\$400		
P952096	1		\$400		
P952097	1		\$400		
P952098	1		\$400		
P952099	1		\$400		
P1168520	1		\$400		
P952100	1		\$400		
P952101	1		\$400		
P1168521	1		\$400		
P952106	1		\$400		
P952107	1		\$400		
P952108	1		\$400		
P952109	1		\$400		
P952113	1		\$400		
P952114	1		\$400		
P952115	1		\$400		
P952116	1		\$400		
P952119	1		\$400		
P952120	1		\$400		
P1224004	2		\$800		
P952121	1		\$400		
P952122	1		\$400		
Column Totals		\$261,700	\$51,055	\$121,455	\$140,245

RECEIVED
2007-11-23
GEOSCIENCE ASSESSMENT
OFFICE



**Schedule for Declaration of
Assessment Work on Mining Land**

Transaction Number (office use)

W 0060.00438

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
P952123	1		\$400		
P952124	1		\$400		
P952125	1		\$400		
P952126	1		\$400		
P952127	1		\$400		
P952128	1		\$400		
P952129	1		\$400		
P952130	1		\$400		
P952131	1		\$400		
P952132	1		\$400		
P952133	1		\$400		
P952134	1		\$400		
P952135	1		\$400		
P952136	1		\$400		
P952137	1		\$400		
P952138	1		\$400		
P952139	1		\$400		
P952140	1		\$400		
P952141	1		\$400		
P952143	1		\$400		
P952144	1		\$400		
P1032281	1		\$400		
P1032282	1		\$400		
P1032285	1		\$400		
P1032286	1		\$400		
P1228120	2		\$800		
P1213570	4		\$1,600		
P1207415	6		\$2,400		
P1212883	1		\$400		
P1201910	1		\$400		
P1189418	2		\$800		
P723296	1		\$400		
P1189417	2		\$800		
P1189416	2		\$800		
P723297	1		\$400		
Column Totals		\$261,700	\$69,855	\$121,455	\$140,245

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OCT 31 2000
GEOSCIENCE ASSESSMENT
OFFICE



Ministry of
Northern Development
and Mines

Schedule for Declaration of
Assessment Work on Mining Land

Transaction Number (office use)

W0060.60438

Mining Claim Number. Or if work was done on other eligible	Number of Claim Units. For other	Value of work performed on this	Value of work applied to this	Value of work assigned to other	Bank. Value of work to be distributed
--	----------------------------------	---------------------------------	-------------------------------	---------------------------------	---------------------------------------

PAGE:02

705 267 8974

OCT 30 02 15:48



Ministry of
Northern Development
and Mines

Schedule for Declaration of
Assessment Work on Mining Land

Transaction Number (office use)

W0060.00438

FINAL REVISED f

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
P723298	1		\$400 /		
P732132	1		\$400 /		
P732131	1		\$400 /		
P732130	1		\$400 /		
P732129	1		\$400 /		
P732128	1		\$400 /		
P732127	1		\$400 /		
P732128	1		\$400 /		
P732125	1		\$400 /		
P1201972	4		\$1,600 /		
P1228122	12		\$4,800 /		
P1228121	16		\$6,400 /		
P1228127	16		\$6,400 /		
P1228129	12		\$4,800 /		
P1201912	2		\$800 /		
P1193874	2		\$800 /		
P1193870	3		\$1,200 /		
P1193668	3		\$1,200 /		
P1201107	2		\$800 /		
P1189440	3		\$1,200 /		
P1189418	2		\$800 /		
P986663	1		\$400 /		
P986664	1		\$400 /		
P986665	1		\$400 /		
P986666	1		\$400 /		
P986667	1		\$400 /		
P986668	1		\$400 /		
P986669	1		\$400 /		
P986670	1		\$400 /		
P1204199	7		\$2,800 /		
P1223829	2		\$800 /		
P1204198	1		\$400 /		
P1212882	1		\$400 /		
P1190593	15		\$6,000 /		
P1193144	8		\$3,200 /		
Column Totals		\$261,700	\$121,055	\$121,455	\$140,245

002/002

FALCONBRIDGE EXP

705 267 8974

10/30/00 15:41

Column Totals

261,700

121,055

121,455

140,245

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work <small>Depending on the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
UG DIAMOND DRILLING	2617m	\$100/m	\$261,700
		2,200.00	
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			\$261,700

RECEIVED

OCT 31 2000

GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK	x 0.50 =	Total \$ value of worked claimed.
--------------------------------	----------	-----------------------------------

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Greg Collins, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Project Geologist I am authorized to make this certification.

(please print full name) (recorded holder, agent, or state company position with signing authority)

Signature 	Date Oct 27, 2000
---------------	----------------------

December 4, 2000

FALCONBRIDGE LIMITED
SUITE 1200, 95 WELLINGTON STREET WEST
TORONTO, ONTARIO
M5J-2V4

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9845
Fax: (877) 670-1555

Dear Sir or Madam:

Submission Number: 2.20663

Status

Subject: Transaction Number(s): W0060.00438 Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5880.

Yours sincerely,



ORIGINAL SIGNED BY
Lucille Jerome
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.20663

Date Correspondence Sent: December 04, 2000

Assessor: JIM MCAULEY

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00438	Pcl 11054SEC	KIDD	Approval	November 29, 2000

Section:

16 Drilling PDRILL

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Greg Collins
TIMMINS, ON, CAN

FALCONBRIDGE LIMITED
TORONTO, ONTARIO

EXPLORERS ALLIANCE CORPORATION
TIMMINS, ONTARIO

COMAPLEX MINERALS CORP.
CALGARY, ALBERTA

JOHN PETER HUOT
TIMMINS, ONTARIO

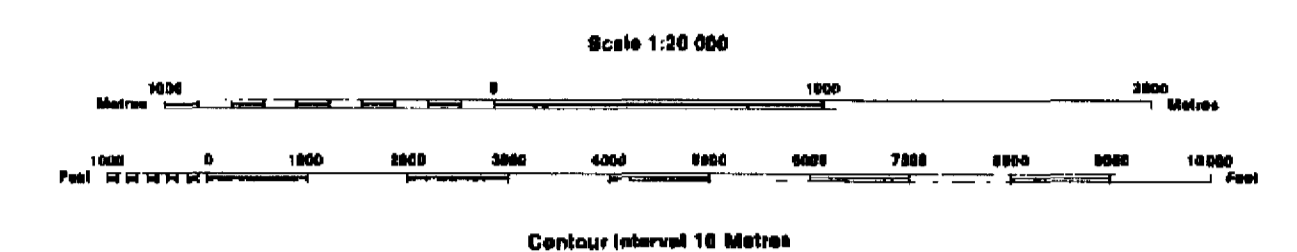
HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY
LIMITED
FLIN FLON, MANITOBA

1232448 ONTARIO INC.
TIMMINS, ON

INDEX TO LAND DISPOSITION

PLAN
G-3951
 TOWNSHIP
KIDD

M. N. R. ADMINISTRATIVE DISTRICT
TIMMINS
 MINING DIVISION
PORCUPINE
 LAND TITLES/REGISTRY DIVISION
COCHRANE



AREAS WITHDRAWN FROM DISPOSITION

- MRD - Mining Rights Only
- SRO - Surface Rights Only
- M + S - Mining and Surface Rights

SYMBOLS

- Boundary
 - Administrative District
 - Township, Meridian, Baseline
 - Road allowance: surveyed
 - shoreline
 - Lot/Concession: surveyed
 - unsurveyed
 - Parcel: surveyed
 - unsurveyed
 - Right-of-way: road
 - railway
 - utility
- Reservation
- Cliff, Pit, Pile
- Contour
 - Interpolated
 - Approximate
 - Depression
- Control point (horizontal)
- Flooded land
- Mine shaft
- Pipeline (above ground)
- Railway: single track
- double track
- abandoned
- River/Stream/Creek
 - intermittent
- Road: highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DISPOSITION OF CROWN LANDS

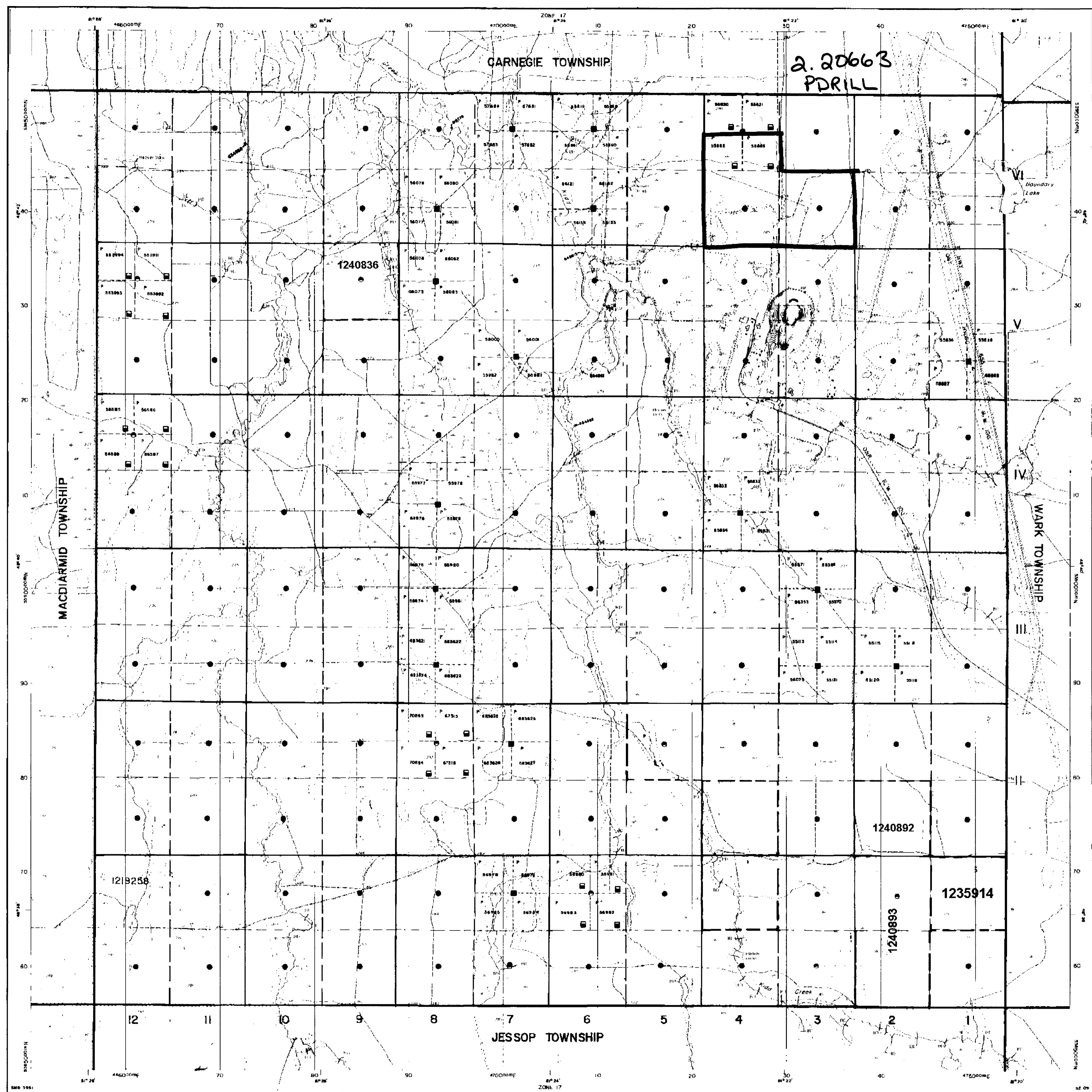
- Patent
 - Surface & Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Lease
 - Surface & Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Licence of Occupation
- Order in Council
- Cancelled
- Reservation
- Sand & Gravel

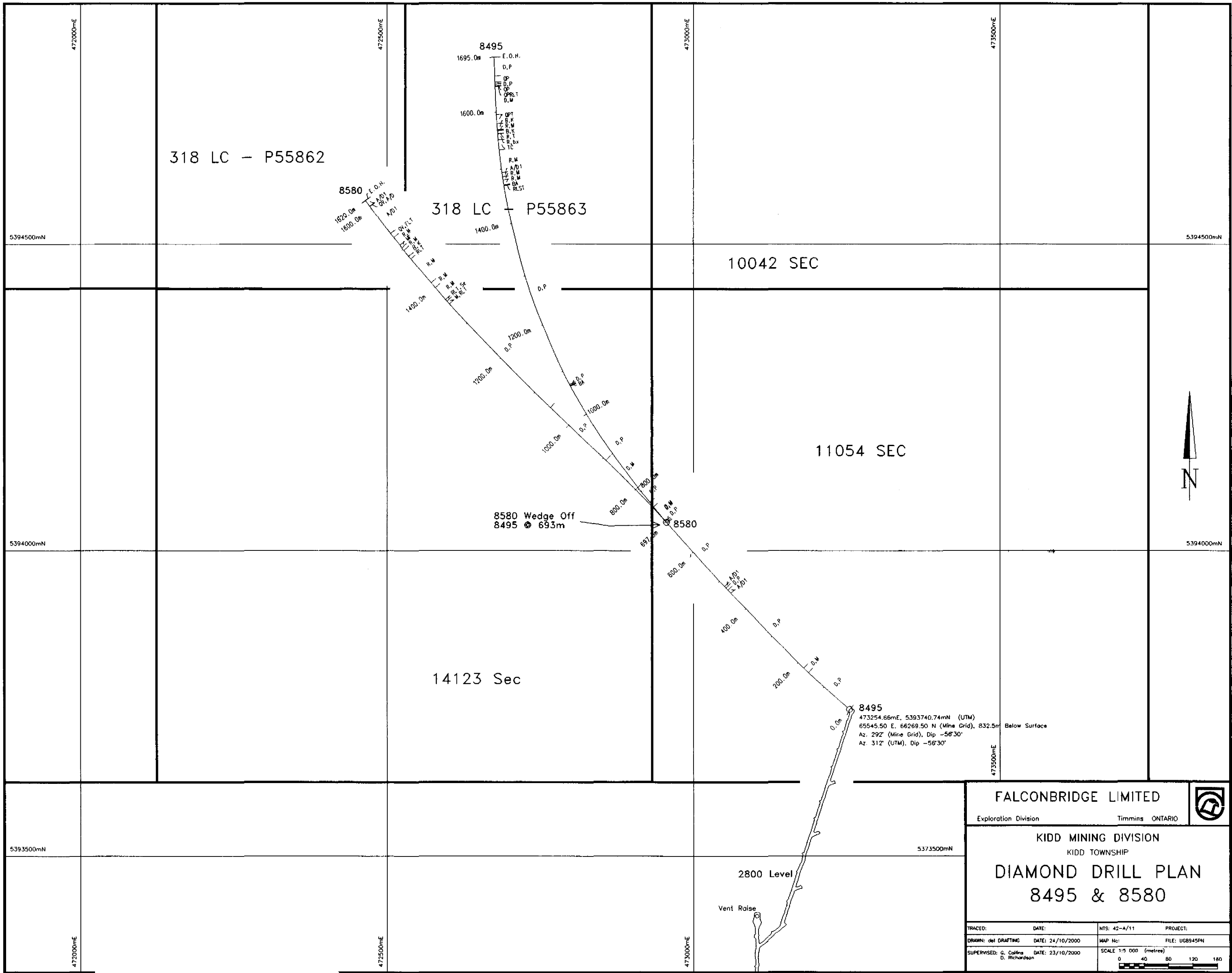
NOTES
THIS TOWNSHIP LIES WITHIN THE MUNICIPALITY OF THE CITY OF TIMMINS

ACTIVATED MARCH 11, 1993
BY D.C.

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only





FALCONBRIDGE LIMITED
 Exploration Division Timmins ONTARIO

KIDD MINING DIVISION
 KIDD TOWNSHIP
DIAMOND DRILL PLAN
8495 & 8580

TRACED:	DATE:	NTS: 42-A/11	PROJECT:
DRAWN: del DRAFTING	DATE: 24/10/2000	MAP No:	FILE: UGB945PN
SUPERVISED: G. Collins	DATE: 23/10/2000	SCALE 1:5 000 (metres)	
D. Richardson		0 40 80 120 160	



