

Province		Ontario		RED PINE EXPLORATION																			
PROJECT	SaraCourt	Mine Grid North	UTM Coordinates Datum/Zone NAD83			Other Surveys		Core Diameter				Comments:											
		Mine Grid East	(handheld GPS)			Method																	
HOLE ID #	RPX11-07	Start Date June 23/2011	North 5304268			North		NW (63.5 mm)	From (m)	To (m)													
Drill Co.	Crites	Finish Date	East 395318			East		NQ (47.6 mm)	From (m)	To (m)													
Surveys	Method	Depth (m)	Azimuth	Elevation		Elevation		BQ (36.5 mm)	From (m)	To (m)	Casing Depth (m) 4.5												
Collar	Reflex Multishot	0.00	180.00	Total Depth		Total Depth						Casing Left in hole (Yes/No) Yes		Total Depth (m)									
			Incl.	TAIGA CONSULTANTS LTD.																			
			-70.00																				
HOLE ID #	Property	Block A	Drill No.			Logged By: DFR																	
MAJOR LITHOLOGY			Subsidiary Lithology			COMMENTS				Alteration				MINERALIZATION				STRUCTURE					
From (m)	To (m)	LITHO Code	From (m)	To (m)	LITHO Code	From (m)	To (m)	Alt Type	Inten W/M/S	From (m)	To (m)	PY %	PO %	CP %	Other %	Depth (m)	Type	Angle	descript.	From (m)	To (m)	Vein 1 - 5	Fill
0.00	3.00	OVV				Overburden - Casing to 4.5m depth																	
3.00	7.70	AMV	3.90	4.33	BX	Altered Mafic Volcanic - This unit is a medium to light green grey, blocky and fine grained. It has long stretched and angular breccia clasts running from 3.9-4.33m (brecciated zone with pillow selveges too). There is a relatively low amount of carbonate veinlets running throughout the core at varying angles. Serpentine veinlets are noted in the last 30cm of the interval filling in fractures. Trace disseminated sulphide are noted along fractures and are sometimes smeared out along the fracture plane. The unit is a weakly to moderately foliated unit and is relatively non magnetic. The lower contact is sharp.																	
7.70	11.80	CT				Crystal Tuff - This is a heavily silicified medium to coarse grained unit. It is grey to buff coloured and is a volcano sedimentary unit/crystal tuff breccia. Clasts are subangular and generally average around 2-3mm in size. One clast up to 6cm in size also noted around 8.9m and it looks to be an altered mafic volcanic clast. Sulphides are present as stretched out crystals and rounded blebs within the matrix. Some very small varioles are noted in a mafic section/clast within the crystal tuff. Some of the 1-2cm blebs of pyrite have a dark grey reaction rim. Overall the sulphides are around 1-2% but locally get up to 5%. The lower contact is sharp with the underlying QFP unit.																	
11.80	18.22	QFP	17.80	18.00	faulted	Quartz Feldspar Porphyry - is medium grained grey to beige/white with pink colours appearing at the end of the interval (17.7-18.22m). Some serpentine veinlets are within the fractures in the pink rock (17.8-18m). the change to a pink colours just signifies the potassium content in the feldspar is increasing (orthoclase). The unit is moderately fractured and blocky. The unit intrudes the mafic volcanic and crystal tuff unit creating the surrounding alteration halo into the mafic unit. Sulphides are present in trace to 1% quantities as disseminated and cubic pyrite. The unit is non magnetic and has a sharp lower contact.																	
18.22	27.00	AMV				Altered Mafic Volcanic - This unit is a medium to light green grey, blocky and fine grained. It has small shears with weak to moderate development. The unit is moderately faulted with a fault/fracture running from 25.1-25.5m sub parallel to the CA. There are a relatively high amount of carbonate veinlets running throughout the core at varying angles. Sulphides are present in 1-2% and locally up to 7% over 5-10cm widths. Some remnant pillow selveges are seen along with pillow breccia and sub mm sized varioles. The lower contact is gradational over the last 70 cms, and in this last section of the interval the core becomes weakly magnetic.																	
										18.22	21.60	2				21	SHZ	20.00					
										21.60	21.70	7											
										21.70	27.00	2											

HOLE ID #		Property	Block A	Drill No.		Logged By: DFR				MINERALIZATION						STRUCTURE											
MAJOR LITHOLOGY			Subsidiary Lithology			COMMENTS				Alteration																	
From (m)	To (m)	LITHO Code	From (m)	To (m)	LITHO Code	From (m)	To (m)	Alt Type	Inten W/M/S	From (m)	To (m)	PY %	PO %	CP %	Other %	Depth (m)	Type	Angle	descript.	From (m)	To (m)	Vein 1 - 5	Fill				
27.00	75.61	MV				<p>Mafic Volcanic - This unit is a massive unit of very fine to fine grained mafic volcanic with a medium to darker green/grey colour (with maroon/purple hues) massive mafic volcanic. The maroon/purple hues are from widespread hematization taking place. There are some minor occurrences of remnant pillows (selveges) with sub mm- to mm-scale varioles (at 47.7-48m) and in some instances the varioles are hematized. Sulphides (pyrite with trace chalcopyrite) are present in quantities of around 2% (locally up to 5%) occurring as disseminated, blebby and cubic crystals and occasionally forming thin wisps associated with pillows and shears/fractures and carbonate and quartz veinlets filling fractures. The unit is moderately to highly fractured with carbonate, epidote and hematite filling in the fractures. The carbonate veinlets are pervasive throughout the interval. Epidote is seen throughout in lesser quantities than carbonate but are seen concentrated in fractures at 31.7m, 37.5m, 38m, 39m, 40.8m, 42.3m, 44.3-45m, 50.3m, 51.2-52m. Around 2-3% disseminated magnetite is noted from 26.5m (in the gradational upper contact) and is pervasive throughout. The lower contact is sharp with what looks to have an orange/red oxidized halo at the contact from the intrusion of the mafic dyke.</p>				27.00	46.10	hem	M	27.00	75.61	2				34	VNCb	23.00					
						47.44	49.67	hem	W							75.61	CTC	75.00									
						49.67	75.61	hem	M																		
75.61	77.58	MD				<p>Mafic Dyke - A dark grey fine to medium grained mafic unit with a sharp lower contact. The unit contains biotite, feldspar along with other mafic minerals (pyroxene, hornblende?) and no significant sulphide is seen and the unit is very non magnetic (REE magnet barely reacts). Coarser mafic minerals (up to 0.5cm) are seen in the finer groundmass and look to be serpentinized (softer).</p>				75.61	77.58	serp	W	75.61	77.58	0.01				77.58	CTC	80.00					
77.58	109.16	MV	77.58	78.58	FG	<p>Mafic Volcanic - This unit is a massive unit of very fine to fine grained mafic volcanic with a medium to darker green/grey colour (with maroon/purple hues throughout) massive mafic volcanic. The maroon/purple hues are from widespread hematization taking place and the intensity varies. There are some minor occurrences of remnant pillows (selveges) with sub mm- to mm-scale varioles and in some instances the varioles are hematized. Sulphides (pyrite) are present in quantities of around 1-4% (locally up to 5-7%) occurring as disseminated, blebby and cubic crystals and also forming thin wisps associated with pillows and shears/fractures and carbonate and quartz veinlets filling fractures. The unit is moderately to highly fractured with carbonate, epidote and hematite filling in the fractures. The carbonate and epidote content drops when the fractures in the rock decrease from 78.58-92.45m. Around 2% disseminated magnetite is pervasive throughout and drops off around 108.9m. The lower contact is gradational into the alteration zone (buff to light green colour).</p>				77.58	78.58	hem	W-M	77.58	78.58	2											
			78.58	92.45	VFG					78.58	92.45	1															
			92.45	109.16	FG					92.45	109.16	3															
109.16	116.85	AMV				<p>Altered Mafic Volcanic - This unit is a medium to light green grey, blocky and fine grained. From 109.16-110m the unit grades into an altered MV from intrusive units and subsequent fluid interactions (post intrusion). The unit is moderately faulted with a fault/fracture running and there are a relatively high amount of carbonate veinlets running throughout the core at various angles. Sulphides are present around 1% as disseminated pyrite. Some remnant pillow selveges are seen along with pillow breccia and sub mm sized varioles. The unit is weakly magnetic and is blocky in areas especially at the sharp lower contact with the mafic dyke. Hematite mineralization is very weak seen in small sparse zones.</p>																					
						<p>Mafic Dyke - A dark grey to black fine grained mafic unit with a sharp lower contact. The unit contains biotite, feldspar along with other mafic minerals (pyroxene, hornblende?) and no significant sulphide is observed. The unit is magnetic and has around 2% disseminated magnetite. The lower contact is sharp and carbonate is mineralizing along the contacts.</p>																					
116.85	117.09	MD																									

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MAJOR LITHOLOGY			Subsidiary Lithology			COMMENTS				Alteration																
From (m)	To (m)	LITHO Code	From (m)	To (m)	LITHO Code	From (m)	To (m)	Alt Type	Inten W/M/S	From (m)	To (m)	PY %	PO %	CP %	Other %	Depth (m)	Type	Angle	descript.	From (m)	To (m)	Vein 1 - 5	Fill			
117.09	125.45	AMV				<p>Altered Mafic Volcanic - This unit is a fine grained with medium to light green grey colours. The unit is moderately faulted with a fault/fracture running and there are a relatively high amount of carbonate veinlets running throughout the core at various angles. Sulphides are present around 1% as disseminated pyrite. Some remnant pillow selveges are seen along with pillow breccia and sub mm sized varioles (up to 3mm in size). The unit is weakly magnetic, is blocky in areas and has a sharp lower contact with the QFP unit. Hematite mineralization is very weak seen in small sparse zones. The unit contains some brecciated zones and has a larger fault gauge/blocky core (seen at 124.2-124.7m). Beyond 123.5m sulphide quantities drop to from trace to 1% and the amount of carbonate mineralizing along fractures increases. From 124m to the end of the interval the mafic volcanic is heavily brecciated and contains QFP clasts.</p>				117.09	122.00	hem	W	117.09	122.00	1										
						122.00	125.45	hem	W-M	122.00	123.50	4														
										123.50	125.45	0.5														
125.45	125.83	QFP				<p>Quartz Feldspar Porphyry - The unit is a pink coloured fine to medium grained intrusive vein that is moderately fractured filled with serpentine and carbonate. The unit is weakly to moderately sheared with the core breaking with the hammer along the shear planes (serpentine sometimes mineralizing along the shears). The shears are tough to see on the outside of the core and are more readily recognized when struck with a hammer. Disseminated sulphide are noted throughout the interval at 2%. the lower contact is sharp. This unit is intercalated with the more sulphide rich altered mafic volcanic until 157m depth.</p>																				
125.83	126.50	MV				<p>Mafic Volcanic (altered?) - This unit is intercalated with the QFP and is very fine grained with grey, beige and slight maroon colours throughout. The maroon is from the presence of hematite in the highly fractured unit. Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains trace to 1% disseminated sulphide and is weakly magnetic.</p>				125.83	126.50	hem	W	125.83	126.50	0.5										
126.50	127.44	QFP				<p>Quartz Feldspar Porphyry - The unit is a pink coloured fine to medium grained intrusive vein that is moderately fractured filled with serpentine and carbonate. The unit is weakly to moderately sheared with the core breaking with the hammer along the shear planes (serpentine sometimes mineralizing along the shears). The shears are tough to see on the outside of the core and are more readily recognized when struck with a hammer. There is no visible sulphide in the interval. The lower contact is sharp.</p>																				
127.44	128.30	FV				<p>Felsic Volcanic - This is a multi white to buff coloured unit with maroon to purple specks throughout (specular hematite?). Fractures run throughout the core in this interval and the unit contains around 1% disseminated sulphide and the contacts are sharp brecciated irregular contacts.</p>				127.44	128.30	hem	W-M	127.44	128.30	1										
128.30	128.50	QFP				<p>Quartz Feldspar Porphyry - The unit is a pink coloured fine to medium grained intrusive vein that is moderately fractured filled with serpentine and carbonate. The unit is weakly to moderately sheared with the core breaking with the hammer along the shear planes (serpentine sometimes mineralizing along the shears). The shears are tough to see on the outside of the core and are more readily recognized when struck with a hammer. There is no visible sulphide in the interval. The lower contact is sharp.</p>																				
128.50	129.54	FV				<p>Felsic Volcanic - This is a multi white to buff coloured unit with maroon to purple specks throughout (specular hematite?). Fractures run throughout the core in this interval and the unit contains around 1% disseminated sulphide and the contacts are sharp brecciated irregular contacts.</p>				128.50	129.54	hem	W-M	128.50	129.54	1										

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MAJOR LITHOLOGY			Subsidiary Lithology			COMMENTS				Alteration														
From	To	LITHO	From	To	LITHO	From	To	Alt	Inten	From	To	PY	PO	CP	Other	Depth	Type	Angle	descript.	From	To	Vein	Fill	
(m)	(m)	Code	(m)	(m)	Code	(m)	(m)	Type	W/M/S	(m)	(m)	%	%	%	%	(m)				(m)	(m)	1 - 5		
129.54	133.72	MV				Mafic Volcanic (altered?) - This unit is highly fractured and intercalated with the QFP and felsic volcanic units. It is very fine grained with grey, beige and slight maroon colours throughout. The maroon is from the presence of hematite in the highly fractured unit. Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains 5% disseminated and blebby sulphide (locally up to 10%) and is magnetic (3%).	129.54	133.72	hem	M	129.54	133.72	5		0.01									
133.72	134.72	QFP				Quartz Feldspar Porphyry - The unit is a pink coloured fine to medium grained intrusive vein that is moderately fractured and filled with serpentine and carbonate. A possible mafic clast is seen incorporated into the QFP around 133.98m. The unit is weakly to moderately sheared with the core breaking with the hammer along the shear planes (serpentine sometimes mineralizing along the shears). The shears are tough to see on the outside of the core and are more readily recognized when struck with a hammer. There is 2-3% disseminated sulphide in the interval. The lower contact is sharp.					133.72	134.72	2.5											
134.72	134.98	MV				Mafic Volcanic (altered?) - This unit is highly fractured and intercalated with the QFP and felsic volcanic units. It is very fine grained with grey, beige and slight maroon colours throughout. The presence of hematite in the highly fractured unit is pervasive throughout. Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains 5% disseminated and blebby sulphide and is magnetic (3%). The lower contact is sharp and brecciated with the QFP unit.	134.72	134.98	hem	M	134.72	134.98	5											
134.98	135.40	QFP				Quartz Feldspar Porphyry - The unit is a pink coloured fine to medium grained intrusive vein that is moderately fractured and filled with serpentine and carbonate. The unit is weakly to moderately sheared with the core breaking with the hammer along the shear planes (serpentine sometimes mineralizing along the shears). The shears are tough to see on the outside of the core and are more readily recognized when struck with a hammer. There is 2-3% disseminated sulphide in the interval. The lower contact is sharp.					134.98	135.40	2.5											
135.40	136.70	MV				Mafic Volcanic (altered?) - This unit is highly fractured and intercalated with the QFP and felsic volcanic units. It is very fine grained with grey, beige and slight maroon colours throughout. The presence of hematite in the highly fractured unit is pervasive throughout. Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains 3-4% disseminated and blebby sulphide and is magnetic (3%). The lower contact is sharp and brecciated with the QFP unit.	135.40	136.70	hem	M	135.40	136.70	3.5											
136.70	138.23	QFP				Quartz Feldspar Porphyry - The unit is a pink coloured fine to medium grained intrusive vein that is moderately fractured and filled with serpentine and carbonate. The unit is weakly to moderately sheared with the core breaking with the hammer along the shear planes (serpentine sometimes mineralizing along the shears). The shears are tough to see on the outside of the core and are more readily recognized when struck with a hammer. There is 2% disseminated sulphide in the interval. The lower contact is sharp.					136.70	138.23	2											
138.23	143.04	MV				Mafic Volcanic (altered?) - This unit is highly fractured and intercalated with the QFP and felsic volcanic units. It is very fine grained with grey, beige and slight maroon colours throughout. The presence of hematite in the highly fractured unit is pervasive throughout. The hematite stains are even seen in the mm scale varioles (up to 5mm wide). Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains 5% disseminated, blebby and stringer sulphide (locally up to 15% over 10-20cms) and is magnetic (3%). The lower contact is sharp and chilled with the QFP unit.	138.23	143.04	hem	S	138.23	143.04	5		0.01		143.04	CTC	40.00	chill contact (1-2cms)				

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MAJOR LITHOLOGY			Subsidiary Lithology			COMMENTS				Alteration																	
From	To	LITHO	From	To	LITHO	From	To	Alt	Inten	From	To	PY	PO	CP	Other	Depth	Type	Angle	descript.	From	To	Vein	Fill				
(m)	(m)	Code	(m)	(m)	Code	(m)	(m)	Type	W/M/S	(m)	(m)	%	%	%	%	(m)				(m)	(m)	1 - 5					
143.04	145.32	QFP				<p>Quartz Feldspar Porphyry - The unit is a pink coloured fine to medium grained intrusive vein that is moderately fractured and filled with serpentine and carbonate. The unit is weakly to moderately sheared with the core breaking with the hammer along the shear planes (serpentine sometimes mineralizing along the shears). The shears are tough to see on the outside of the core and are more readily recognized when struck with a hammer. There is 2-3% disseminated sulphide in the interval. The lower contact is relatively sharp (over a few cms).</p>											145.32	CTC	72.00	chill contact (1-2cms)							
145.32	150.35	MV				<p>Mafic Volcanic (altered?) - This unit is highly fractured and intercalated with the QFP and felsic volcanic units. It is very fine grained with grey, beige and slight maroon colours throughout. The presence of hematite in the highly fractured unit is pervasive throughout. The hematite stains are even seen in the mm scale varioles (up to a few mm wide). Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains 5% disseminated, blebby and stringer sulphide (locally up to 10% over 10-20cms) and is magnetic (3%). The lower contact is sharp and brecciated with the QFP unit.</p>				145.32	150.35	hem	S	145.32	150.35	5	0.01			150.35	CTC	60.00	brecciated contact				
150.35	157.00	QFP				<p>Quartz Feldspar Porphyry - The unit is a pink coloured fine to medium grained intrusive vein that is moderately fractured and filled with serpentine and carbonate. The unit is weakly to moderately sheared with the core breaking with the hammer along the shear planes (serpentine sometimes mineralizing along the shears). The shears are tough to see on the outside of the core and are more readily recognized when struck with a hammer. There is 2% disseminated sulphide in the interval. The last meter od so for this interval sees the sulphides disappearing and the colour is becoming a more intense red/orange (deep colour). The lower contact is relatively sharp with the mafic dyke</p>											157.00	CTC	50.00	chill contact (sharp with MD)							
157.00	167.70	MD				<p>Mafic Dyke - A dark grey to black fine grained mafic unit with a sharp lower contact. The unit contains biotite, feldspar along with other mafic minerals (pyroxene, hornblende?) and no significant sulphide is observed. Coarser feldspar minerals that are up to 1cm in size are seen in the finer grained groundmass (porphyritic textures in areas). The lower contact is heavily brecciated and blocky (fault?) over 40cms.</p>																					
167.70	169.35	QFP				<p>Quartz Feldspar Porphyry - This is a pink to grey coloured unit with fine to medium crystal sizes (coarser angular feldspar up to 0.5cm). 0.5% disseminated sulphides are throughout the interval and serpentine is observed mineralizing along fractures. The lower contact is irregular and sharp.</p>												169.35	CTC	60.00	chill contact						
169.35	171.58	MV				<p>Mafic Volcanic (altered?) - This unit is highly fractured is very fine grained with grey, beige and slight maroon colours throughout. The presence of hematite in the highly fractured unit is pervasive throughout. Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains 3% disseminated and blebby sulphide (locally up to 10%) mineralized along fractures and associated with carb/qtz veinlets. Carbonate veinlets cause local alteration and result in halos or reacting rims penetrating into the volcanic unit. The unit is weakly magnetic (~2-3% mag). The lower contact is sharp and brecciated with the QFP unit.</p>				169.35	171.58	hem	M	169.35	171.58	3				171.58	CTC	55.00	irregular chill contact				

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MAJOR LITHOLOGY			Subsidiary Lithology			COMMENTS				Alteration																	
From	To	LITHO	From	To	LITHO	From	To	Alt	Inten	From	To	PY	PO	CP	Other	Depth	Type	Angle	descript.	From	To	Vein	Fill				
(m)	(m)	Code	(m)	(m)	Code	(m)	(m)	Type	W/M/S	(m)	(m)	%	%	%	%	(m)				(m)	(m)	1 - 5					
171.58	178.25	QFP				<p>Quartz Feldspar Porphyry - This is a pink to grey coloured unit with fine to medium crystal sizes. From 171.58-172.2m there is a coarse breccia zone with mafic inclusions (gradational zone between two units?). Around 2% disseminated sulphides are throughout the interval and serpentine is observed mineralizing along fractures increasing towards the bottom of the interval. Local epidotization is observed at 174m (3-5cm wide). A broken and faulted area goes from 174.87-174.94m. A mafic volcanic chunk is seen at 176.03-176.3m containing 3.5% sulphide. The lower contact is an irregular breccia zone and is sharp.</p>											176.03	CTC	65.00	irregular (coarse breccia?)							
										176.03	176.30	3.5				176.30	CTC	55.00	irregular (coarse breccia?)								
										176.30	178.25	2															
178.25	182.50	MV				<p>Mafic Volcanic (altered?) - This unit is fractured is very fine grained with grey, beige and slight maroon colours throughout. The presence of hematite in the highly fractured unit is pervasive throughout. Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains 5% disseminated and blebby sulphide (locally up to 15%) mineralized along fractures and associated with carb/qtz veinlets. Carbonate veinlets cause local alteration and result in halos or reaction rims penetrating into the volcanic unit. The unit is brecciated from 178.25-178.88m (coarse breccia). The unit is weakly magnetic (~2% mag). The lower contact is sharp, irregular and brecciated with the QFP unit.</p>				178.25	182.50	hem	M	178.25	182.50	5				182.50	CTC	30.00	irregular brecciated contact				
182.50	184.60	QFP				<p>Quartz Feldspar Porphyry - This is a pink to grey coloured unit with fine to medium crystal sizes and serpentine is observed mineralizing along fractures. There is around 1% disseminated pyrite and trace chalcopyrite (disseminated and inclusions in pyrite) throughout the interval. Altered mafic clasts/chunks are seen at 183.6m. From 184.27-184.6m the lower contact is irregular and sharp.</p>											186.40	CTC	25.00	irregular							
184.60										184.27	184.60	3		0.1													
184.60	185.22	MV				<p>Mafic Volcanic (altered?) - This unit is fractured is fine grained with grey, beige and slight maroon colours throughout. The presence of hematite in the highly fractured unit is pervasive throughout. Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains 2% disseminated sulphide throughout and carbonate veinlets cause local alteration and result in halos or reaction rims penetrating into the volcanic unit. The unit is weakly magnetic (~2% mag). The lower contact is irregular and brecciated with the QFP unit.</p>				184.60	185.22	hem	W	184.60	185.22	2											
185.22	186.40	QFP				<p>Quartz Feldspar Porphyry - This is a pink to grey coloured unit with fine to medium crystal sizes and with minor serpentine and chlorite observed mineralizing along fractures. There is around 1% disseminated pyrite throughout the interval. The lower contact is irregular and sharp.</p>											185.22										

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MAJOR LITHOLOGY			Subsidiary Lithology			COMMENTS				Alteration													
From	To	LITHO	From	To	LITHO	From	To	Alt	Inten	From	To	PY	PO	CP	Other	Depth	Type	Angle	descript.	From	To	Vein	Fill
(m)	(m)	Code	(m)	(m)	Code	(m)	(m)	Type	W/M/S	(m)	(m)	%	%	%	%	(m)				(m)	(m)	1 - 5	
186.40	188.30	MV				Mafic Volcanic (altered?) - This unit is fractured is fine grained with grey, beige and slight maroon colours throughout. The presence of hematite in the highly fractured unit is pervasive throughout. Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains 3% disseminated and blebby sulphide throughout (2% pyrite, 1% intergrown and blebby chalcopyrite) and carbonate veinlets cause local alteration and result in halos or reaction rims penetrating into the volcanic unit. The unit is weakly magnetic (~1% mag). The lower contact is irregular with the QFP unit.	186.40	188.30	hem	M	186.40	188.30	2		1								
188.30	189.00	QFP				Quartz Feldspar Porphyry - This is a pink to grey coloured unit with fine to medium crystal sizes and with minor serpentine and chlorite observed mineralizing along fractures. There is a trace amount of disseminated pyrite and there are also inclusions of mafic material mixed in with the QFP. The lower contact is irregular and sharp.					188.30	189.00	0.01										
189.00	191.60	MV				Mafic Volcanic (altered?) - This unit is fractured is fine grained with grey, beige and slight maroon colours throughout. The presence of hematite in the highly fractured unit is pervasive throughout. Fractures are filled with carbonate and to a lesser degree serpentine. The unit contains 3% disseminated and blebby sulphide throughout (2% pyrite, 1% intergrown and blebby chalcopyrite) and carbonate veinlets cause local alteration and result in halos or reaction rims penetrating into the volcanic unit. The unit is magnetic (~2% mag). The lower contact is a sharp brecciated one (breccia runs from 191-191.6m).	189.00	191.60	hem	M	189.00	191.60	2		1		191.60	CTC	45.00	irregular brecciated contact			
191.60	192.70	QFP				Quartz Feldspar Porphyry - This is a pink to grey coloured unit with fine to medium crystal sizes and with minor serpentine and chlorite observed mineralizing along fractures. Feldspar crystals are relatively larger than the other minerals and they are angular. There is around 3% disseminated pyrite and there are also inclusions of mafic material mixed in with the QFP. The lower contact is irregular and sharp chilled contact (very fine grained chill that is mm-scale).					191.60	192.70	3				192.70	CTC	60.00	irregular chill contact			
192.70	199.40	MV				Mafic Volcanic (altered?) - This unit is fractured is fine grained with grey, beige and slight maroon colours throughout. The presence of hematite in the highly fractured unit is pervasive throughout. Veinlets and wisps of hematite mineralization are also observed throughout. Fractures are filled with carbonate and to a lesser degree serpentine and chlorite. The unit contains 8% disseminated, blebby and cubic sulphide throughout (6% pyrite, 2% intergrown and blebby chalcopyrite). Locally the sulphide gets up to 25% as stringer and blebby sulphide (194.2-194.3m). Carbonate veinlets cause local alteration and result in halos or reaction rims penetrating into the volcanic unit. The unit is magnetic (~2-3% mag). The lower contact is an irregular chill contact.	192.70	199.40	hem	S	192.70	194.20	6		2								
										194.20	194.30	23		2									
										194.30	199.40	6		2									
199.40	202.19	MV	199.40	199.60	QFP	Mixed Mafic Volcanic and Quartz Feldspar Porphyry - The units are in a 60:40 ratio and display the typical textures and contacts seen in the units directly overlying this one. The brecciated contacts between the two show a gradational transition into the mafic volcanic. There are minor amounts of chlorite and serpentine. Sulphides are present in trace to 1% quantities as disseminated crystals.	200.82	201.56	hem	W	199.40	200.82	0.01				200.23	CTC	42.00	irregular chill contact			
			199.60	200.23	MV					200.82	201.56	1				200.82	CTC	30.00	chill contact				

HOLE ID #		Property	Block A	Drill No.		Logged By: DFR				MINERALIZATION						STRUCTURE								
MAJOR LITHOLOGY			Subsidiary Lithology			COMMENTS				Alteration														
From (m)	To (m)	LITHO Code	From (m)	To (m)	LITHO Code	From (m)	To (m)	Alt Type	Inten W/M/S	From (m)	To (m)	PY %	PO %	CP %	Other %	Depth (m)	Type	Angle	descript.	From (m)	To (m)	Vein 1 - 5	Fill	
			200.23	200.82	QFP					201.56	201.87	0.01												
			200.82	201.56	MV					201.87	202.00	1												
			201.56	201.87	QFP					202.00	202.19	0.01												
			201.87	202.00	MV																			
			202.00	202.19	QFP																			
202.19	265.74	MV				Mafic Volcanic - This unit is fractured is fine grained with grey-green colours and with beige and maroon hues throughout. The presence of hematite in the highly fractured unit is varied. with a few veinlets and wisps of hematite mineralization (not as abundant as the previous mafic volcanic unit above. Fractures are filled with carbonate and to a lesser degree serpentine and chlorite. The unit contains 5% disseminated, blebby and cubic sulphide throughout (4% pyrite, 1% intergrown and blebby chalcopyrite). Locally the sulphide gets up to 8%. Varioles are pervasive throughout this unit and all are strongly hematized having a deep red to purple colour. There is also some breccia seen in the unit that could relate to flows. Some felsic clasts (few cms wide) are seen at 205.4m. Varioles are seen at (203.9m, 204.9m, 208m, 210m, 211.1m, 213m, 214m, 214.7-215.4m (4-5 occurrences), 215.9m, 216.4m, 216.7m, 217m, 217.8m, 218.2m, 218.5m, 220.5m, 221.4m, 257.8m, and 262.8-263.1m. Beyond 236m there are only a few brecciated zones with the exception of the lower contact which is gradational through a brecciated zone mixed with small QFP veins.	202.19	205.18	hem	M	202.19	225.82	4		1									
							205.18	225.82	hem	S	225.82	248.00	3		0.1									
							225.82	233.50	hem	W	248.00	259.40	1		0.01									
							233.50	265.74	hem	W-M	259.40	265.74	5		0.01									
265.74	268.50	AMV/QFP				Altered Mafic Volcanic with Quartz Feldspar Porphyry - The units are mixed in what looks to be a 70:30 ratio and the unit is highly brecciated throughout. It is a very coarse breccia within the altered mafic volcanic and at the end of the interval there is a small QFP vein (from 268.3-268.5m with sharp chilled contacts). Sulphides are present in trace to 1% quantities as disseminated crystals throughout. Chlorite veinlets are noted in small areas as wispy ribbons as well as serpentine mineralizing along fractures and in the matrix of the breccia. Carbonate also is very abundant filling in fractures and voids in the rock.	265.74	268.50	hem	W	265.74	268.50	0.1				268.50	CTC	40.00	sharp chilled contact				
268.50	272.47	MV				Mafic Volcanic - The unit has a dark grey colour and is fine grained. The unit is brecciated from the top of the interval to 270.6m. The hematite staining is almost virtually disappeared and numerous carbonate veins are in the highly fractured unit. Sulphides are present as disseminated and blebby crystals and the serpentinization has increased relatively compared to the overlying units. There is a sharp lower contact with the mafic dyke.	268.50	272.47	serp	S	268.50	272.47	1.5				272.47	CTC	52.00	sharp chilled contact				
272.47	275.00	MD				Mafic Dyke - The unit is the typical fine grained black to grey coloured mafic dyke that has relatively little carbonate filling fractures and no significant sulphide. A fault gauge is noted going 273.35-273.45m containing some residual clay minerals.					272.47	275.00	0											
275.00	284.00	MV				Mafic Volcanic - The unit has a dark grey colour and is fine grained. The hematite staining has virtually disappeared and numerous carbonate veins are in the highly fractured unit. Sulphides are present as trace disseminated crystals and the serpentinization has increased relatively compared to the overlying units. The unit is highly fractured and very blocky with faults with clay minerals seen at 278.08m, 280m, and 280.78-280.85m.	275.00	284.00	serp	S	275.00	284.00	0.01											
EOH																								