

Province		Ontario		RED PINE EXPLORATION																																											
PROJECT	Mortimer	Mine Grid North	UTM Coordinates Datum/Zone: NAD83											Other Surveys		Core Diameter				Comments:																											
		Mine Grid East	(handheld GPS)											Method																																	
HOLE ID #	RPX-11-2A	Start Date: May 24, 2011	North: 5,299,614											North		NW (63.5 mm)	From (m)	To (m)																													
Drill Co.: Crites	Landdrill	Finish Date: May 27, 2011	East: 380,970											East		NQ (47.6 mm)	From (m)	0.00	To (m)	4.50																											
Surveys	Method	Depth (m)	Azimuth	Elevation											Elevation		BQ (36.5 mm)	From (m)	To (m)																												
Collar	Reflex Multishot	0.00	Total Depth: 221m											Total Depth		221m						Casing Depth (m)	4.5m																								
				Incl.											Red Pine Exploration Inc.											Casing Left in hole (Yes/No)		Yes																			
																							Total Depth (m)		221m																						
HOLE ID #	RPX-11-2A	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	Width	From (m)	To (m)	Vein 1 - 5	Fill													
0.00	4.50	OVB	0.00	4.50	Ovb	Boulders and wet slurry. Bdls to 15 cm of Qv, Mv, Diorite, Porphyry and Vn'd rhyolite.																																									
4.50	15.68	MV	4.50	15.68	Gb	Blocky grd of Sil, wkly porphyritic, occas garnetiferous Mv/ Gb. Note: 0.9 cm vuggy Qv at 6.6m. Core wkly vn'd 7.18- 7.59m. Badly grd up core 4.5- 5.0, 6.0- 6.9, 7.4- 7.59, 8.55- 9.9 and 10.8- 11.2m. Wk Cal Vning 11.62- 15.8m mostly along CA. Core massive c/w wk gabbroic text 11.0- 17.3m. Core calcareous.											9.90	10.80	Sil	S															5.18	Jt	20°										
15.68	19.29	P	15.68	19.29	P	Med to dk gy, mod to strong mafic porphyry c/w white phenos to .1 cm. Note: Qtz vning 17.33- 17.55 c/w tr Py + Lim 17.47- 17.55m; Qving 18.38- 18.60m c/w wk Lim. Note: Sheared interval 18.38- 18.46 and 18.51- 18.60m. Qv c/w Lim and Ser 18.46- 18.51m. Finally, a Qv 19.16- 19.23m. Core alt'd (soft) 18.33- 19.29m c/w brn lim. Lim on fract 17.48- 17.96m.											18.33	19.29	Sil	W																											
19.29	44.00	GB	19.29	44.00	Gb	Mod Cal Vn'd Gabbro. Vns at multiple angles TCA. Vns to 1.2 cm c/w .5% Py. Vning increases slightly at 24.55m. Lim on fract 17.48- 17.96m. Hem coated fract 25.15- 25.33m. Cal Vn 25.05- 25.15m c/w Py to .5% + tr Cpy. Vn at 30° TCA. Addit folded Cal Vning 26.65- 27.0 and purple Cal Vn 27.83- 28.11m c/w .5- 1.0% Py. Cal Vns to 3 cm wide at 20° TCA. Pyritic Cal Vn frags c/w .5- 1% Py 28.32- 28.45m. Py diss thruout core 29.0- 44.0m. Note: Alt'd small pink garnets/ calcite filled Amygdules in core 30.8- 44.0m. Another chl/ cal Vn system 34.87- 35.13m with nil Py. Poss Pillow Tops 33.39- 34.10m. Pinkish- wh Cv to 1.8 cm from 38.16- 38.31m at 24° TCA. Increase in Py 40.49- 42.13m. Core has Porp like text 41.0- 42.2m. Increased Cal Vning and Silicification 44.85- 45.08m. Core amygdaloidal 42.1- 44.0m.											19.24	44.00	Sil	W/M	22.40	23.00	.1 to .5																								
44.00	47.00	MD	44.00	47.00	Md	Dark grey, speckled core. Possible Porp(?). Looks like salt sprinkled thruout core (Leucoxene?). Unit wkly vn'd. Core wkly calcareous.											44.00	47.00	Sil	M	44.00	47.00	0.03																								
47.00	56.50	GB	47.00	56.50	Gb	Dark grey, wkly Gabbroic, massive core. Increasing sil + wk diss Py. Note: Wh 4 cm, cal Vn 48.10- 48.31m at 7° TCA. Another 1.5 cm Cal Vn from 50.55- 50.71m at 22° TCA. Core wkly amygdaloidal 53.0- 56.5m. Wkly developed Cv 59.07- 60.03m.											54.70	55.10	Sil	S																											
56.50	69.20	MD	56.50	69.20	Md	Similar to 44.0- 47.0m. Speckled, massive core. Core continues to be Amygdaloidal. Note: Cal Vn 59.87- 60.03m. Unit wkly Vn'd. Increased Py near 63.0m.											56.50	69.20	Sil	M/S	56.50	69.20	.05- .1																								
69.20	73.18	MV	69.20	73.18	Mv	Med gy, Mv. Upper cont gradational. Increased thin Cal Vning. Py diss thruout. Core not amygdaloidal.											69.20	73.18	Sil	M/S																											
73.18	90.00	MD	73.18	90.00	Md	Similar to 44.0- 47.0m. Speckled, massive Core. Note: Qtz/ cal Vn 76.14- 76.29m c/w .1 to .5% Py. Py diss thruout interval and on wk fract. Note: Wh Qtz/ cal Vn 4 cm wide 78.12- 78.22m at 53° TCA. A thin (1 cm) wide brkn Cv 80.54- 80.74m c/w assoc Py to .5%. Core wkly garnetiferous 84.5- 85.5m. Core wkly Amygdaloidal/ fragmental and Folded (?). Purple Cal vn to 1 cm 86.68- 86.8m. Another 2 cm wide Cal Vn 89.49- 89.55m at 76° TCA.																																									
90.00	134.36	GB	90.00	134.36	Gb	Med to dk gy Gb. Unit is increasingly Vn'd. Core massive. Py occurs along wk fract. Broken Qtz/ Cal Vn 92.43- 92.56m. Vn roughly 3 cm wide at 40° TCA. Another 2.5 cm wide Cal Vn 93.66- 93.76m at 63° TCA. A Cal Vn Brx											90.00	134.36	Sil	M/S	90.00	134.36	.5+																								
																	106.42	106.89																													

HOLE ID #	RPX-11-2A	Property	Block A	Drill No.		Logged By: DFR				MINERALIZATION				STRUCTURE												
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	Width	From (m)	To (m)	Vein 1 - 5	Fill			
										113.76	114.41	0.05				103.46	Vn Brx	57°	2							
										119.70	121.60	0.5				106.42	Vn	10°	6.5							
										127.26	127.41	.1 - .2				106.84	Gge	79°								
																108.07	Vn	40°	7							
																122.55	Cont	35°								
																127.26	Vn	20°	2.5							
134.36	135.49	FP	134.36	135.49	Felsic Dyke	Felsic Dyke. Salmon pink to Epidote grn- extremely Siliceous. Upper contact undulating at roughly 57° TCA. Note: Lower contact is brkn grd from 135.3- 135.49m. Contact zone contains minor Vn mat'l.				134.36	135.49	Sil	S			134.36	Cont	57°								
135.49	136.62	MV	135.49	136.62	MV	Mv. Mod vn'd, pale/ bleached. Unit brecciated and mod Pyritic c/w abt Vn scraps. Note: 2 cms wide Qvs 135.62- 135.71m at 40° TCA and from 136.62- 136.7m. Vn 1.5 cms wide at 40° TCA. Core between 136.62- 136.78m mod sheared.				135.49	136.62	Sil	M/S			135.49	Vn	40°	2							
136.62	137.12	FP	136.62	137.12	Felsic Dyke	Felsic Dyke, pale grn, garnetiferous hosted by a zone of shearing + 2 Qvs at either end. Pink garnets elongated hexagonal. Dyke ext sil. Wk to nil sulfides. Vn from 137.06- 137.12m strongly pyritic.				136.62	137.12	Sil	S		0.03	136.62	Vn	40°	1.5							
																136.78	Vn	67°	1.5							
137.12	154.40	MV	137.12	154.40	MV	MV. Pale to med Grn, mod sil. Wk to mod concs of Vn scraps and Tr Py cubes thruout. Note: Pillows and Pillow Selvages. Core from 141.54- 143.0 Vn'd, brecciated + bleached c/w wk Py. Pillow selvages brecciated + pyritic. Note: Pyritic, pinkish grn Vn 147.25- 147.9m c/w 2+% Py. Vn at 39° TCA. Note: Blk xls on Vn margin (not magnetite). All pillow selvages are pyritic c/w > 1% Py. Note: S folded Cal Vn to 1 cm from 146.67- 147.93m c/w .5- 1.0% Py. A series of thin pyritic (.3 cm) Cal Vns 148.12- 148.76m. Pillow selvages 150.57- 151.6m Note: 1 cm wide Pyritic Vn from 148.59- 148.65m. Core fgnd + variably amygdaloidal 151.65- 152.69m.				137.12	143.50	Sil	S			137.12	Qv	52°	2							
										143.50	154.40					147.25										
																147.67	Fold		1							
																147.93										
																148.59	Cv	45°	1							
154.40	163.49	MD	154.40	163.49	Intermed Dyke	Intermediate Dyke. Lite to med gy, porphyritic. Core uniform + dense. Med grn, pyrox phenos to .3 cm. Unit wkly Vn'd, c/w very wk Pyrite. Cubic Py increases 157.0- 160.13m. Core becomes finer grd 158.5- btm of interval. Slight increase in Cal vning 157.42- 158.0m. Note: Poss MV interval 160.17- 160.63m c/w increase Cving. Qtz/ cal Vning to 1.4 cm wide 160.72- 160.82m at 33° TCA. Lower cont parallel TCA 162.21- 163.49m c/w increased Cal Vning along this shallow contact + slight increase in Py content.				154.40	163.49	Sil	M			160.72	Cont	53°								
										163.18	164.46					157.07	Jt	18°								
																157.42	Cv	31°	0.5							
																160.72	Vn	33°	1.4							
163.49	172.33	MV	163.49	172.33		Mv. Med grn, Pyritic from .5- 1.0%. Py diss to fract controlled. Core vuggy 163.49- 163.65m. Unit wkly Vn'd. Core Amygdaloidal 164.7- 172.33m. Wk pillow tops. Core variably sil. Cal Vn to .80 cm 1.70- 170.32m at 20° TCA. Lower cont gradational.				163.49	164.46	Sil	S			163.49	Cv	30°	1							
										164.46	172.33					170.27	Cv	20°	0.8							
172.33	184.90	FP	172.33	184.90	Felsic Dyke	Felsic Dyke, Lite salmon pink to grnish Gy, sil. Fine to med grained, massive, wkly vn'd. Note: Pale grn Mafic Porp c/w Euhedral xls in middle of Felsic Dyke. Xls to .8 cms max length. Lower Cont of Dyke at 176.18m at 42° TCA. Core regains pinkisk Kspar altn coloration 183.0- btm of interval. Note: Sect from 184.65- 184.9m mod well cal Vn'd c/w wk Py to .5%.				172.33	175.74	Sil	S			178.06	Cv	52°	1.5							
										175.74	176.24					184.90	Cont	56°								
										176.24	184.90															
184.90	188.92	MV	184.90	188.92	MV	MV. Mod well Vn'd + numerous Vn scraps. Note: Cal Brx 186.75- 186.9m c/w ang frags to 4 cms. Matrix wh Cal. Unit grnish gy. Note: Py on wk frags + diss thruout core.				184.90	188.92	Sil	W/M			184.90										
																188.92										
																189.79										
188.92	189.79	ID	188.92	189.79	Intermed Dyke	Intermediate Dyke. Med Gy. Wkly Porphyritic. No Sulfides. Abt (1-2%) Sulfides at upper contact.				188.92	189.79	Sil	W			189.79	Cont	50°								
																189.71	Cont	20°								

HOLE ID #		RPX-11-2A	Property	Block A	Drill No.		Logged By: DFR																		
MAJOR LITHOLOGY			Subsidiary Lithology			COMMENTS		Alteration				MINERALIZATION				STRUCTURE									
From	To	LITHO	From	To	LITHO			From	To	Alt	Inten	From	To	PY	PO	CP	Other	Depth	Type	Angle	Width	From	To	Vein	Fill
(m)	(m)	Code	(m)	(m)	Code			(m)	(m)	Type	W/M/S	(m)	(m)	%	%	%	%	(m)				(m)	(m)	1 - 5	
189.79	195.29	MV	189.79	195.29	MV	MV. Similar to 184.9-188.92m. Unit lite to med gy, pillowed. Py on fract + diss thruout core.		189.79	195.29	Sil	W/M	190.00	195.29	.5+											
195.30	196.86	ID	195.30	196.86	Intermed	Same as 188.92- 195.29m. Nil Sulfides.		195.30	196.86	Sil	W	195.30	196.86					195.29	Cont	30°					
					Dyke																				
196.86	221.00	MV	196.86	221.00	MV	MV. Similar to 184.9m. Wkly pyritic Cal Vn Brx 200.21- 200.31m at 45° TCA. Mod to abt irregular Cal Vnlets + frags thruout interval. Core has increased Chl 206.0- 221m c/w pyritic selvages i.e. 213.2m. Core amygdaloidal thruout interval. Vning decreases c/w increase in Chl. Crystal lined, 1 cm wide, vuggy, cal Vn 213.49- 213.58m at 35° TCA c/w .5 to 1.0% Py. Note: 2 to 3 Cal Vn running ACA from 214.6- 215.12m at 10° TCA c/w tr Py.		196.86	206.00	Sil	W	195.29	196.86	Nil					196.86	Cont	36°				
						frags thruout interval. Core has increased Chl 206.0- 221m c/w pyritic selvages i.e. 213.2m. Core amygdaloidal thruout interval. Vning decreases c/w increase in Chl. Crystal lined, 1 cm wide, vuggy, cal Vn 213.49- 213.58m at 35° TCA c/w .5 to 1.0% Py. Note: 2 to 3 Cal Vn running ACA from 214.6- 215.12m at 10° TCA c/w tr Py.		196.86	206.00	Chl	M	196.86		.5+					200.21	Cv	45°	4			
						frags thruout interval. Vning decreases c/w increase in Chl. Crystal lined, 1 cm wide, vuggy, cal Vn 213.49- 213.58m at 35° TCA c/w .5 to 1.0% Py. Note: 2 to 3 Cal Vn running ACA from 214.6- 215.12m at 10° TCA c/w tr Py.		206.00	221.00	Chl	M/S	200.21	200.31	.5+					213.49	Cv	35°	1			
						frags thruout interval. Vning decreases c/w increase in Chl. Crystal lined, 1 cm wide, vuggy, cal Vn 213.49- 213.58m at 35° TCA c/w .5 to 1.0% Py. Note: 2 to 3 Cal Vn running ACA from 214.6- 215.12m at 10° TCA c/w tr Py.													214.60	Cv	10°	2.5			
EOH	221m																								
						Survey Data:																			
						SURVEY DATA																			
						DEPTH INC(-)		Az																	
						8m 45.90		197.10																	
						104m 45.60		191.40																	
						215 44.80		188.30																	