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-11-04 (F)	Start Date: June 6/ 2011			North: 5,298,881			North			NW (63.5 mm)	From (m)		To (m)															
Drill Co.		Crites	Finish Date: June 9/ 2011			East: 381,029			East			NQ (47.6 mm)	From (m)	4.50	To (m)	212.00														
Surveys		**Method**	Depth (m)		Azimuth	Elevation			Elevation			BQ (36.5 mm)	From (m)		To (m)						Casing Depth (m)									
Collar		Reflex Multishot	0.00		180m	Total Depth: 212m			Total Depth	212m											Casing Left in hole (Yes/No)		Yes							
					Incl.	Red Pine Exploration Inc.															Total Depth (m)									
HOLE ID #		RPX-11-04 (F)	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					
0.00	4.50	OVB	0.00	4.50	OVB	Casing/ Ovb. Boulders of pale grn MS/ Wkly conglomeratic Grit, pink to wh Granite/ Monzonite, Mv. Max dia bdls																									
						39.0 cms.																									
4.50	5.24	MSEDS	4.50	5.24		Pale grn MS/ Grit. Massive, Abt qtz eyes, Ext Sil.			4.50	5.24	Sil	S							5.24	Cont	15°								
5.24	6.34	MSEDS	5.24	6.34		MS, Oxidized- pinkish red. Note: Fracture running DCA at 10° from approx. 5.5- 6.34m. Core broken along this			5.24	6.34	Sil	S							5.5	Fract	10°								
						Fract. Occas Ovb pebble from above. Mod lim along fractures.																									
6.34	32.63	CT	6.34	32.63	CT	MS. Sericitic, grnish- gy, Grit c/w pebbles to 0.9 cm. Unit Qtzitic. Note: Brkn core 8.8- 9.03m. Unit well pk'd, ext sil.			6.34	30.50	Sil	S	6.34	32.63	0.05 - .10				7.58	Fract	17°								
						Lim continues on fracts. Wkly pyritic Qv Brx 8.13- 8.33m at 20° TCA. Vn Brx 2+ cm wide, wkly vuggy, and carries			30.50	32.63	Sil	M	8.13	8.33	.5 to 1.0				8.13	Vn Brx	20°								
						.5 to 1.0% Py. Vn Brx wkly vuggy. Core has reddish K-fsp altn tinge 11.6- 12.0, 12.3- 12.7, 16.27- 16.72,														16.30	Jt	20°								
						16.98- 18.53 and 20.82- 21.12m. Brkn core 16.68- 17.0m. Unit possibly a Xl/ Lapilli Tuff c/w abt Qtz Eyes														17.30	Jt	10°								
						thruout. Note: 1 cm Qv 26.54- 26.6m c/w nil sulfides in lim envelope. Vn at 74° TCA. Lim Jting 25.3- 25.48m at														23.40	Jt	20°								
						45° TCA. Increase in frags 31.35- 32.63m with wispy Sericitic to 1.3 cms in length.														25.3	Jt	45°								
																			26.27	Jt	20°								
																			31.76	Jt	23°								
32.63	37.50	MSEDS	32.63	37.50		Graphitic M. Seds. Thinly laminated MS c/w interbedded lite gy felsic Xl Tuffs. Increase in Py to 2+%. Dark bands			32.63	37.50	Sil	W	32.63	37.50	2+				32.63	Cont	44°								
					Graphitic	Graphitic. Occas wh Qv and Qv scraps. Some sections contorted i.e. 35.0- 35.31m . Irregular Qvs 33.05- 33.15m.														35.06	Qv	56°								
						Qv scraps 33.32- 33.65, 33.98- 34.12 and 35.06- 35.13m. Py often in discrete seams. Laminations decrease in														36.00	Fol	53°								
						intensity 36.3- 37.5m.																									
37.50	41.69	CT	37.50	41.69	CT	Lite Gy, Xl/ Lapilli Tuff. Unit well pk'd, massive. Irreg shards + Qtz eyes to .8 cms. Very wk			37.50	41.69	Sil	W/M	37.50	41.69	0.05														
						vning. Note: Wh Qv to 2 cms 41.33- 41.40m at 50° TCA. Py wkly diss thruout core.																									
41.69	54.49	MSEDS	41.69	54.49		Similar to 32.63m. Longer Tf intervals i.e. 43.72- 44.67, 44.96- 45.44m. Note: Irreg Qv'd interval c/w tr Py 41.96-			41.69	46.03	Sil	W/M	41.69	54.49	1 to 2				43.48	Fol	45°								
					Graphitic	42.45m. Increased Py 2- 4% at 44.63m. A Qv to 5 cms wide from 45.51- 45.6m. Py on Vn margins to .5%. Tf sects			46.03	47.03	Sil	S	45.51	45.60	0.5				46.03	Cv	5°								
						include 46.68- 47.26, 48.0- 48.46, 49.46- 50.18 and 52.09- 53.0m. Note: 0.4 cm Cv running DCA 46.03- 47.03m			47.03	53.00	Sil	W/M							52.09	Lam	38°								
						at 5° TCA. Graphitic horizons beautifully laminated. Interval 49.46- 50.18m is ext sil and sericitic Grn colour c/w			53.00	53.20	Sil	S																	
						abt wh Qtz eyes.																									
54.49	88.85	CT	54.49	88.85	CT	Similar to 37.5m. Lite grn- gy, fine to med grd. Massive. Mod to strongly sil c/w tr Py. Unit wkly foliated. Note: 1.3			54.49	88.85	Sil	M/S	54.49	88.85	0.03				54.99	Qv	56°								
						cm wide wh Qv 56.61- 56.66m at 56° TCA c/w nil sulfides. Rd'd frags to 1 cm. Note: 0.6 cm lite gy Qv from														61.81	Qv	0-40°								
						61.81- 62.0m c/w tr Py at from 0 to 40° TCA. Unit exhibits increased packing down section. Note: Frags to 2.5 cm														66.13	Jt	29°								
						at 69.7m. Core conglomeratic c/w subrd'd to rd'd wh Qv pebs to 7 cms 77.34- 77.56, 79.0- 79.63 and 81.26-81.51m.														74.05	Jt	18°								
						No sulfides.														76.03	Jt	18°								
																			74.53	Cv	62°								
88.85	102.80	MSEDS	88.85	102.80		Similar to 32.63m. Note: Tuffaceous interbeds i.e. 93.3- 93.94, 94.51- 94.78, 97.07- 97.94 and 100.28- 101.44m.			88.85	102.80	Sil	M/S	88.85	102.80	1 to 2				80.06	Jt	15°								
					Graphitic	Interval 100.28 carries random occur wormy Py scraps to 5 cms. Unit lams blk and Gy. Py occurs on lams and as														82.66	Jt	5°								
						knots. Unit micro fold'd and step flt'd. Note: Creamy- gy fel interbeds within graphitic section. Occas wk Cal Vning.														83.79	Jt	10°								
						Soft sediment deformation thruout. From 101.91- 102.67m felsic interbeds are well pk'd conglomerates with														88.85	Cont	21°								

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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	
						average dia of pebbles being .2 to .5 cm and max dia 1.8 cm.											94.33	Cont	14°					
																	95.39	Jt	20°					
102.80	127.72	CT	102.80	127.72	CT	Med gy to Ser grn, Gritty to well pk'd conglomeratic Tuff. Unit sil. Frags ang to subrd'd. Note: Graphitic grn silty	102.80	124.00	Sil	S	102.80	127.72	0.03				102.00	Lam	30°					
						interbed 104.0- 104.3m. Qv to 1 cm wide 104.08- 104.32m at 10° TCA c/w .05- 1.0 % Py. Occas Qv fragment.	124.00	127.72	Sil	M	104.08	104.32	.05- 1.0				102.80	Cont	37°					
						Note: Thin graphitic/ pyritic unit to .5% Py from 115.8- 116.08m. Core finer grd 113.82- 116.72m. Core becomes											104.08	Qv	10°					
						well pk'd, coarsely conglomeratic 120.52- 124.34m. Pebbles subrd'd to ang c/w max dia 1.2 cm c/w tr Py. From											104.30	Cont	29°					
						124.34 down core is once again gritty to fgrd.											116.08	Cont	44°					
																	117.42	Jt	0°					
127.72	156.39	MSEDS	127.72	156.39		Interbedded graphitic MS and lite gy f- med grd silty seds. Upper cont at 40° TCA. Unit Pyritic to 2 to 5% (Pyrite	127.72	156.39	Sil	M	127.72	156.39	2 to 5				120.52	Cont	43°					
					Graphitic	erratically dist thruout section). Note: highly contorted 1/2 cm wide Py Vn 128.2- 128.4m. Unit ext sil and more																		
						Graphitic than previous intervals- to 10%. A 2 cm Cv Interval 128.6- 128.68m at 44° TCA c/w no sulfides. Core											127.72	Cont	40°					
						laminated blk and lite gy. Note: Silty/ gritty intervals 129.03- 129.71, 131.05- 131.78, 132.12- 132.47, 140.82-											128.60	Cv	44°	2				
						141.83 and 143.43- 144.34m. Numerous 0.5 cm Pyrite seams scattered thru Graphitic laminations. Increase in Py											140.00	Cv/BX		17				
						to 1% 136.43- 136.61m. Note: Pinkish wh Cv Brx 140.0- 140.18m to 17 cm in width. Another Cv interval 145.66-											144.34	Fol	45°					
						145.89m. Decreasing Graphite 149.84- 151.02m. Increased Py 155.0- 156.39m. Much of Py as round and oblong											145.66	Cv	35°	14				
						blebs of vfgrd Py.																		
156.39	166.80	CT	156.39	166.80		Lite to med Gy, Xl Tuff/ Porp (?). Unit ext well Pk'd c/w ang to subrd'd Fsp Xls? Py to .5% dist thruout. Unit	156.39	166.80	Sil	S	156.39	166.80	.5+				161.91	Cont	57°					
						variably to ext siliceous. Core has wk grn, sericitic tinge. Core transitions from Graphitic Ms to Xl Tuff. Upper											162.64	Qv	30°	2				
						cont fairly Pyritic to .5%. Unit massive and uniform. Short Graphitic Ms 161.91- 162.31m. Upper contact at 57°											165.15	Qv	45°	2				
						TCA. Note: Wh Qv bleb 163.59- 164.78m c/w nil sulfides. Another wh Qv c/w nil sulfides 165.15- 165.24m at 45°																		
						TCA. Vn 2 cms wide.																		
166.80	171.45	MSEDS	166.80	171.45	M.Seds	Similar to 127.72m. Upper cont at 42° TCA. Unit carries 2- 4% Sulfides/ Py as blebs and along laminations. Unit	166.80	171.45	Sil	M	166.80	171.45	2 to 4				171.45	Cont	50°					
						appears folded/ soft sediment deformation. Core laminated- blk and gy. Py has wormy look.																		
171.45	177.45	CT	171.45	177.55	CT	Similar to 156.39m. Unit lite grnish- gy. Note: Diss Py and occas sericite shard throughout. Py from .1 to .5%. Unit	171.45	177.55	Sil	S	171.45	177.55	.1 to .5				175.60	Jt	35°					
						massive.																		
177.55	183.87	MSEDS	177.55	183.87		Similar to 127.22. Moderately graphitic. Upper cont at 65° TCA. Unit pyritic to 2%. Note: 2 Conglomerate beds,	177.55	183.87	Sil	S	177.55	183.87	2+				177.55	Cont	65°					
					Graphitic	178.57- 178.69 and 180.73- 180.84m. Pebbles elongate and subrounded to 2.1 cm c/w partial Py rims and											178.57	Cont	61°					
						pyrite clasts. Cgl well pk'd. Core well laminated c/w minor silty horizons. Note: Soft sediment deformation. Contact											183.22	Cv	70°	6				
						with overlying Tuff is knife edge sharp. Note: Up to 1 cm wide Py seam at btm of this interval.																		
183.87	192.91	MSEDS	183.87	192.91		Mod conglomeratic, med gy MS. Pebbles subrd'd to elongated wispy to 2.2 cm max width. Note: Py shards to 2	183.87	192.91	Sil	S	183.87	192.91	.5 to 1											
						cms max length. Core variably gritty to conglomeratic/ Graded beds. Tops down hole at 203.5m. Core wkly fol																		
						at 184.9m at 51° TCA. Note: Lite gy sil/ cherty unit to 2 cms wide at top of this interval. Cal Vn to 4cms from																		
						187.62- 187.86m at 20° TCA. Note: Py shards to 2 cms in length.																		
192.91	195.10	MSEDS	192.91	195.10		Congl transitions into a med to cgrd, massive, siliceous, uniform Grit 192.71- 195.10m. Note: Weak bedding.	192.91	195.10	Sil	S	192.91	195.10	0.05				193.53	Bed	45°					
						Unit wkly Pyritic.																		
195.10	196.94	MSEDS	195.10	196.94		Conglomerate. Ext well packed- clast supported. Pebbles subrd'd to angular. Unit ext siliceous. Occas Py clast.	195.10	196.94	Sil	S	195.10	196.94	0.1				195.10	Cont	38°					
						Max pebble size 2.6 cms.											196.94	Cont	52°					
196.94	200.54	MSEDS	196.94	200.54		Laminated/ rhymathically banded, med gy, silty MS. Occas thin Congl interbed i.e. 197.35 (2 cm), 198.91 (4 cm)	196.94	200.54	Sil	S	196.94	200.54	0.05				197.48	Lam	53°					
						and 198.07m (6.5 cm). Unit wkly Pyritic.																		
200.54	203.50	MSEDS	200.54	203.50		Conglomerate. Sim to 195.10m. Pebbles to 8 cm max dia. Occas thin Py shard to 5 cm in length. Pebble density	200.54	203.50	Sil	S	200.54	203.50	.1 to .5				200.54	Cont	25°					
						decreases down hole- Graded bedding.											202.25	Bed	52°					

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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	
203.50	206.80	MSEDS	203.50	206.80		Med Gy, MS. Thinly Laminated, silty, ext sil. Note: Possible thin, dark grn, amygdaloydal Mv interbed 204.29-	203.50	206.80	Sil	S	203.50	206.80	0.05				204.45	Cont	45°					
						204.50m. Unit wkly Pyritic.											206.00	Lam	45°					
206.80	212.00	MSEDS	206.80	212.00		Gritty to wkly conglomeratic, med gy MS. Unit wkly Pyritic and mod siliceous. Note: Ext sil, silty, laminated interval	206.80	212.00	Sil	M	206.80	212.00	0.05				209.22	Bed	52°					
						209.15- 209.50m c/w bedding at 209.22m at 52° TCA. Irregular angular frags 208.17m to 2 cms max length.																		
		EOH- 212m																						
						Down Hole Survey Data																		
						Depth Azimuth Dip																		
						8m 178.6° -43.7°																		
						95m 181.7° -43.5°																		
						206m 183.1° -42.9°																		