			STILLWATER CANADA INC DIAMOND DRILL CORE LOG		
NTS:		42 D / 16		DDH: RS	<u>-13-05</u>
UTM N	Northing	5414239		Lease/Claim:	CLM124
(Nad27)	Easting	535453.3		Property:	4207857
Elevation (	m):	363.9		Zone:	Redstone
Dip at Colla	ar:	-48.93		Date start:	16-Aug-13
Azimuth:		344.96		Date finish:	17-Aug-13
Total Depth	h:	222		Contractor:	Chibougamau Diamond Drilling
Core Size:		NQ		Logged by:	Julien Meric
Remarks:		Core stored	I in Stillwater Canada Inc. warehouse, Marathon, Ontario	Assistant:	Yonggang Feng, Renata Smoke

Reflex EZ Shot- Diamond Drillhole Survey DepthDipAzimuthCasing-48.93344.96

DIAMOND DRILL CORE LOG

complete downhole survey on Sally Lake masterlist

	GEOLO	OGY				Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh TPGN	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm ppm	ppm	%	opm p	pm	ppm	%	%	#
0.00	2.50	OB - Overbur	rden				N507654		2.5	4	1.5	0.002	< 0.005	0.001		<0.2		68	12	4070	0.26		TB13165144
							N507655		4	6	2.0	<0.001	<0.005	0.002		<0.2		52	23	3400	0.19		TB13165144
2.50	21.00	3b - Coarse g	grained, ophitic g	abbro (>5mm)	Trace to 0.5% diss	seminated sulphides	N507656		6	8	2.0	0.001	<0.005	0.001		<0.2		103	9	3990	0.24		TB13165144
				heterogeneous with 3b, 3a and also 3g. MS. 3b is heterogeneous. With med to crs gr plag, cpx,		Trace very fine to fine gr mostly po few ccp (rare)	N507657		8	10	2.0	0.001	0.008	0.002		<0.2		314	5	9380	0.19		TB13165144
				ol and mag. Ophitic texture sometimes not obvious. Presence of few altered patches <5% not			N507658		10	12	2.0	0.001	<0.005	<0.001		<0.2		249	4	7850	0.19		TB13165144
				evenly distributed with chlorite, biotite and vugs filled with carbonate. Presence of little albitization			N507659		12	14	2.0	0.001	< 0.005	0.001		<0.2		151	1	7010	0.18		TB13165144
				and pink alteration.			N507660	mpg2				0.083	0.349	0.826		1.1		730 2	266	1650	1.13		TB13165144
				3.95-8.5 3b with almost no olivine. But still ophitic texture.			N507661		14	16	2.0	<0.001	<0.005	<0.001		<0.2		298	3 >	>10000	0.24		TB13165144
			3a - Medium g	grained, ophitic gabbro (<5mm)			N507662		16	18	2.0	<0.001	<0.005	<0.001		<0.2		296	2	7840	0.22		TB13165144
				2.5-3.95 med gr plag cpx mag and few ol. Texture slightly ophitic.			N507663		18	20	2.0	<0.001	<0.005	0.005		<0.2		230	3	4270	0.27		TB13165144
			3g - Medium t	to coarse grained oxide melatroctolite			N507664		20	22	2.0	< 0.001	<0.005	0.001		<0.2		303	2	8230	0.22		TB13165144
			-	13.72-14.73 and 15.52-15.89 med gr dominated by olivine and mag cumulate with interstitiel plag			N507665		22	24	2.0	0.002	<0.005	<0.001		<0.2		266	3 >	>10000	0.21		TB13165144
			-	and cpx. Around 5% apatite. Contacts are sharp or diffuse.			N507666		24	26	2.0	<0.001	<0.005	0.001		<0.2		338	6 >	>10000	0.22		TB13165144
							N507667		26	28	2.0	<0.001	<0.005	<0.001		<0.2		361	6 >	>10000	0.19		TB13165144
21.00	57.20	3g - Medium t	to coarse graine	d oxide melatroctolite	Trace to 0.5% diss	seminated sulphides	N507668		28	30	2.0	<0.001	< 0.005	<0.001		<0.2		387	7 >	>10000	0.19		TB13165144
				with alloc constant unitation and mag cumulate with interstitier plag and cpx. Heterogenous		Trace very line to line gr mostly po few ccp (rare)	N507669		30	32	2.0	<0.001	<0.005	<0.001		<0.2		100	10 >	10000	0.18		TD40405444
				with plag content variation and gr size variation. Around 5-10% apartie. Contact gradationnal			N507670		32	34	2.0	<0.001	<0.005	<0.001		<0.2		409	10 >	10000	0.17		TD13165144
				Around 10,15 % plan risk lawers or stringer which could be 2b intermit with 2g			NE07672		34	20	2.0	-0.001	<0.005	<0.001		<0.2		460	16	10000	0.10		TD13165144
			5a - Quartz ev	Around 10°15 % plag hornayers of sumger whor could be 30 internix with 3g.			N507672		30	40	2.0	<0.001	<0.005	0.001		<0.2		140	13	10000	0.17		TB13165144
			Ja - Quartz Sy	27 38-27 59 and 43 79-44 2 cre or K felde and atz			N507674		40	40	2.0	0.001	<0.005	<0.001		<0.2		163	12	-10000	0.19		TB13165144
				27.30°21.38 and 43.78°44.2 of 8 gr 1 feids and 42			N507675	d	40	42	2.0	0.001	<0.005	<0.001		<0.2		457	14	10000	0.13		TB13165144
57 20	60.90	FZ - fault or sl	hear zone		Trace to 0.5% dise	seminated sulphides	N507676	ŭ	42	44	2.0	0.001	<0.005	<0.001		<0.2		129	11	10000	0.16		TB13165144
01.20	00.00		Jildar 20110	Hosted by 3g. Highly fractured with chlorite coated slickenslide (roughly parallel to the core axes.)	1100010-0.070 0.00	Trace of pyrite associated with chlorite	N507677		44	46	2.0	<0.001	<0.005	<0.001		<0.2		563	16 >	>10000	0.2		TB13165144
							N507678		46	48	2.0	0.001	< 0.005	< 0.001		0.2		170	31 >	>10000	0.36		TB13165144
60.90	76.54	3g - Medium t	to coarse graine	d oxide melatroctolite	Trace to 0.5% diss	seminated sulphides	N507679		48	50	2.0	0.002	< 0.005	< 0.001		<0.2		550 :	31 >	>10000	0.18		TB13165144
				Med to crs gr dominated by olivine and mag cumulate with interstitiel plag and cpx. Heterogenous		Trace very fine to fine gr mostly po few ccp (rare)	N507680		50	52	2.0	0.001	< 0.005	<0.001		<0.2		604	29 >	>10000	0.18		TB13165144
				with plag content variation and gr size variation. Around 5-10% apatite.	0.5% to 1% disser	minated sulphides	N507681		52	54	2.0	0.001	< 0.005	<0.001		<0.2		795	31 >	>10000	0.24		TB13165144
				Around 10-15 % plag rich layers or stringer which could be 3b intermix with 3g.		72.66-76.54 patches with fine gr 1:1 po:ccp	N507682		54	56	2.0	0.001	< 0.005	0.001		<0.2		630	26 >	>10000	0.16		TB13165144
			2a - Fine grair	ned homogeneous gabbro			N507683		56	58	2.0	0.001	< 0.005	<0.001		<0.2		608	27 >	>10000	0.14		TB13165144
				Fine gr gabbro intermix with 3g diffuse contacts			N507684		58	60	2.0	<0.001	< 0.005	<0.001		<0.2		572 :	27 >	>10000	0.12		TB13165144
							N507685		60	62	2.0	<0.001	< 0.005	<0.001		<0.2		755	39 >	>10000	0.18		TB13165144
76.54	104.34	4a - MS hoste	ed breccia with F	ine Grained gabbro xenoliths	Local blebs to 2-4	% sulphides	N507686		62	64	2.0	0.001	<0.005	0.001		0.2		764	45 >	>10000	0.19		TB13165144
				Brecchia zone with hetrogenous MS with mostly 3b-3d and 3g. With around 20% 2a xenolith.		76.54-78m fine to very crs gr 1:1 po ccp. At 77.1 0 5cm of Very	N507687		64	66	2.0	0.003	<0.005	0.001		0.2		970	65 >	>10000	0.2		TB13165144
						crs gr ccp.	N507688		66	68	2.0	0.002	<0.005	0.005		0.2		938	76 >	>10000	0.17		TB13165144
			3b - Coarse g	rained, ophitic gabbro (>5mm)	Local blebs to 1-2	% sulphides	N507689		68	70	2.0	0.004	0.006	0.006		0.3		030	99 >	>10000	0.17		TB13165144
				Med to crs gr plag, cpx, ol and mag. Heterogeneous with sometimes plag lathlyke.		78-90.75 In MS fine to crs gr heterogeneous distribution .	N507690	b				<0.001	<0.005	<0.001		<0.2		9	3	250	0.01		TB13165144
			-	92.52-97.66 continuous 3b.		Ratio po:ccp vary from 4:1 to 1:1.	N507691		70	72	2.0	0.004	<0.005	0.005		0.2		859	99 >	>10000	0.14		TB13165144
			3d - Very coar	rse grained to pegmatitic, ophitic gabbro	2-3% disseminate	d sulphides	N507692		72	74	2.0	0.011	0.014	0.055		1.1		240 1	37 >	>10000	0.3		TB13165144
				3d with very crs gr, diffuse or gradationnal contact with 3b.		92.52-97.66 fine to crs gr, continuous. 5:1 po :ccp.	N507693		74	76	2.0	0.014	0.014	0.044		0.8		980 1	49 >	>10000	0.26		TB13165144
				79.76-80.26 stong pink alteration.	Local blebs to 1-2	% sulphides	N507694		76	78	2.0	0.025	0.026	0.217		3.1		470 2	275 >	>10000	0.76		TB13165144
			2a - Fine grain	ned homogeneous gabbro		97.66-104.34 In MS fine to crs gr heterogeneous istribution .	N507695		78	80	2.0	0.016	0.027	0.142		1		310 1	69	7070	0.53		TB13165144
				Xenolith of 2a with blebs and stringer of MS inside. 2a is also found sometime intermixed with MS.		Ratio po:ccp vary from 4:1 to 1:1.	N507696		80	82	2.0	0.014	0.022	0.087		0.6		050 1	43	6620	0.55		TB13165144
			1	VVe measured just the consistant xenoliths.		le de suifide en entre second in MC blate	N507697		82	84	2.0	0.017	0.014	0.088		1.1	*	1 040	30 >	7000	0.54		1B13165144
				07.66.09.06 (09.25.09.4) 00.97.101.40.ppd 100.102.49		in za sunde are only present in MS blebs.	NE07600		84 96	00	2.0	0.018	0.022	0.108		0.7		720 4		6620	0.00		TD13100144
			2a Madium t	97.00190.00 , 30.20190.4 , 99.07+101.49 800 102+102.40.			NE07700		00	00	2.0	0.022	0.032	0.119		0.7		130 1	33	5200 5200	0.37		TD13100144
			og - meaium t	Mad to cre, or dominated by oliving and man cumulate with interstitial plan, and coy. Hoterspansive			N507701		00	90	2.0	0.046	0.024	0.37		-0.2		2030 2	 88	2410	0.30		TB13165144
				with plac content and or size variation. Around 5-10% anatite. Contacts are sharp or diffuse			N507701		90	92	2.0	0.013	0.024	0.107		<0.2	.	680 4	66	7410	0.76		TB13165144
I		1	1	mini prag content and gristze valiation. Alound 3º 10% apatte, Contacts are sharp of diffuse.	I	1	11007702	1	92	34	2.0	0.021	0.029	0.11	1	0.0	1	000   1	00	7410	0.70		1010100144

	GEOLC	DLOGY		Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh TP	M Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	X0 00 x     X0 x     Comments       Fer     Fer	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	opm pp	n ppm	%	ppm	ppm	ppm	%	%	#
		83.34-83.78 ; 87.13-87.5 ; 101.49-102 ; 102.48-102.74 ; 102.99-104.34.			N507703		94	96	2.0	0.02	0.033	0.16		1.1		2440	226	>10000	1		TB13165144
		5a - Quartz syenite		no sulfide in 5a	N507704		96	98	2.0	0.011	0.016	0.047		0.6		1720	125	9550	0.5		TB13165144
		80.95-81.95 and 90.75-92.52 me to crs gr K felds (pink color), qtz and px. Px altered into chlorite.			N507705	mpg1				0.226	0.893	3.41		3.1		6810	372	1310	1.05		TB13165144
					N507706		98	100	2.0	0.012	0.008	0.046		1.2		2850	149	>10000	0.61		TB13165144
104.34	112.25	5 3d - Very coarse grained to pegmatitic, ophitic gabbro	cal blebs to 1-2	% sulphides	N507707		100	102	2.0	0.024	0.027	0.094		0.9		2090	158	9340	0.46		TB13165144
		Med to very crs gr plag, cpx and mag, almost no olivine. Continuous and fairky homogeneous.		In 3d fine to crs gr with heterogeneous distrbution 2:1 po:ccp.	N507708		102	104	2.0	0.019	0.017	0.067		0.8		2130	165	>10000	0.34		TB13165144
		3g - Medium to coarse grained oxide melatroctolite U.5	5% to 1% disse	fine or around continuous 1:1 porcen	N507709		104	106	2.0	0.01	0.012	0.036		0.5		965	161	6110 1620	0.24		TB13165144
		111.05°112.25 Very fich in mag >40%. Shaip contacts above and below.		nne graiound continuous 1.1 po.ccp	N507710		108	110	2.0	0.029	0.015	0.024		0.3		877	119	1620	0.24		TB13165144
112.25	133.95	5 2a - Fine grained homogeneous gabbro Tra	ace to 0.5% dis	seminated sulphides	N507712		110	112	2.0	0.032	0.027	0.068		1		2640	234	4480	0.35		TB13165144
		Almost completely altered into chlorite. (probably high serpentinisation to). Texture is not preserved		just few trace mostly no sulfides	N507713		112	114	2.0	0.015	0.02	0.033		0.3		583	913	840	0.08		TB13165144
		It is hard to determine the lithology, but it seems to be mostly an altered 2a with few blebs or stringers			N507714		114	116	2.0	0.002	0.021	0.018		<0.2		29	1035	300	<0.01		TB13165144
		of MS. We also see carbonate alteration.			N507715		116	118	2.0	0.002	0.021	0.03		<0.2		82	941	320	0.01		TB13165144
133.95	136.40	D FZ - fault or shear zone 0.5	5% to 1% disse	minated sulphides	N507716		118	120	2.0	0.004	0.021	0.023		<0.2		163	1010	310	0.01		TB13165144
		Highly fractured and chlorite coated slikenslide (hard to determine a direction. (angle around 45		134.53-136.4 In 2d into MS fine gr po:ccp	N507717		120	122	2.0	0.002	0.023	0.018		<0.2		43	964	250	0.01		TB13165144
-		degrees with core axe not sure)			N507718		122	124	2.0	0.002	0.022	0.014		<0.2		124	6/6 1015	380	0.04		TB13165144
		133.55°134.53 milli attendu za			N507720	d	124	120	2.0	0.003	0.018	0.024		<0.2		471	966	410	0.02		TB13165144
					N507721	ŭ	126	128	2.0	0.003	0.021	0.027		<0.2		107	1055	390	0.00		TB13165144
136.40	145.46	5 2d - Fine grained gabbro with MS intrusions	cal blebs to 1-2	% sulphides	N507722		128	130	2.0	0.003	0.014	0.036		<0.2		75	1055	350	0.01		TB13165144
		Fine gr gabbro intermixed with around 30% heterogeneous MS in blebs, stringers or dykes.		Blebs and stringers in MS with fine to crs gr 2:1 po:ccp	N507723		130	132	2.0	0.005	0.013	0.048		<0.2		111	994	570	0.01		TB13165144
		3b - Coarse grained, ophitic gabbro (>5mm)		2a could have very fine gr.	N507724		132	134	2.0	0.003	0.02	0.025		<0.2		66	1110	380	0.01		TB13165144
		Very heterogeneous 3b, with gr size variation, mostly intermixed with 2a in stringers and blebs . We			N507725		134	136	2.0	0.04	0.036	0.078		0.7		1235	398	4110	0.2		TB13165144
		measured the main dykes. Contact are mostly sharp and diffuse sometimes.			N507726		136	138	2.0	0.013	0.024	0.085		0.5		1050	113	3840	0.17		TB13165144
		136.4-136.68; 137.52-138.1; 138.3-138.56;		and an	N507727		138	140	2.0	0.052	0.071	0.337		0.9		2360	206	3470	0.36		TB13165144
		3g - Medium to coarse grained oxide metatrociolite		same amount in 3g, just the ratio changes 4.1 po.ccp	N507729		140	142	2.0	0.061	0.025	0.117		0.8		2350	220	2150	0.59		TB13165144
-		139.14-139.64 : 143.56-143.9 and 145.26-145.4.			N507730		144	144	2.0	0.047	0.053	0.201		1.9		3690	262	1900	0.84		TB13165144
		5a - Quartz syenite			N507731		146	148	2.0	0.03	0.029	0.076		0.5		899	647	2600	0.14		TB13165144
		138.1-138.3 crs gr K felds and qtz			N507732		148	150	2.0	0.021	0.036	0.12		0.3		706	574	1000	0.09		TB13165144
					N507733		150	152	2.0	0.005	0.016	0.047		<0.2		124	980	160	<0.01		TB13165144
145.46	150.00	D FZ - fault or shear zone Loc	cal blebs to 1-2	% sulphides	N507734		152	154	2.0	0.038	0.035	0.106		1.7		3940	366	2410	0.44		TB13165144
		Hosted by 2d. Presence of MS and 3g inside higly fractured. A part is almost completely altered			N507735	b				<0.001	<0.005	0.001		<0.2		13	7	20	<0.01		TB13165144
		into chiorite (same texture as from 112.25-133.95)			N507736		154	156	2.0	0.027	0.028	0.116		1.3		3140	272	2710	0.46		TB13165144
150.00	166 53	3 2d - Fine grained gabbro with MS intrusions	cal blebs to 1-2	% sulphides	N507738		158	160	2.0	0.129	0.193	0.189		11		2480	299	2320	0.18		TB13165144
100.00	100.00	Fine or gabbro intermixed with around 30% heterogeneous MS in blebs, stringers or dykes,		In 2d blebs and stringers in MS with fine to crs gr 1:1 po:ccp	N507739		160	162	2.0	0.04	0.187	0.204		1.1		2430	172	1410	0.36		TB13165144
		150-152.06 almost completely altered into chlorite (same texture as from 112.25-133.95).		2a could have very fine gr. Py is present and associated with	N507740		162	164	2.0	0.079	0.081	0.245		1.2		2560	265	4690	0.3		TB13165144
		3b - Coarse grained, ophitic gabbro (>5mm)		chlorite.	N507741		164	166	2.0	0.044	0.057	0.214		0.9		1965	214	2580	0.32		TB13165144
		Very heterogeneous 3b, with gr size variation, mostly intermixed with 2a in stringers and blebs . We 3-5	5% disseminate	d sulphides	N507742		166	168	2.0	0.011	0.01	0.033		<0.2		507	64	530	0.13		TB13165144
		measured the main dykes. Contact are mostly sharp and diffuse. It grades into a 3d sometimes.		152.48-153.74 fine to very crs gr mostly ccp, trace of po.	N507743		168	170	2.0	0.02	0.027	0.065		<0.2		604	75	2150	0.1		TB13165144
		152.48-153.74, 155.26-155.6 ;		med grain of borniteAt 153.25 m	N507744		170	172	2.0	0.023	0.036	0.103		0.7		1175	115	3270	0.25		TB13165144
		3g - Medium to coarse grained oxide metatrociolite		Very crs gr ccp at 153.36-153.4	N507746		172	174	2.0	0.046	0.079	0.348		0.6		1635	100	2980	0.34		TB13165144
		Very rich in mag >40% You also have few stringer in 2a.			N507747		176	178	2.0	0.015	0.026	0.112		0.7		1125	195	1780	0.53		TB13165144
		156.156.25 ; 156.68-158.1 ; 162-163.18 ; 164.24-164.38.			N507748		178	180	2.0	0.025	0.036	0.11		0.7		1315	210	2390	0.61		TB13165144
		5a - Quartz syenite			N507749		180	182	2.0	0.015	0.021	0.054		0.2		509	90	2790	0.11		TB13165144
		Veins crs gr K felds and qtz. Sharp contacts. 164.38-164.49 ; 164.59-164.72 ; 166.36-166.53			N507750	mpg2				0.069	0.206	0.831		1.1		2660	268	1590	1.1		TB13165144
166.53	179.57	7 4a - MS hosted breccia with Fine Grained gabbro xenoliths Low	cal blebs to 1-2	% sulphides	N507751		182	184	2.0	0.03	0.008	0.003		0.3		657	115	5420	0.13		TB13165144
		Heterogeneous brecchia with heterogeneous MS.gr size variation with 3b grade into 3a.		In 4a fine to med gr in patches with heterogenous distribution	N507752		184	186	2.0	0.026	0.01	0.007		0.3		599	93	5830	0.11		TB13165144
		Strong albitization and chlorite alteration. Slightly silicied (presence of qtz).		2:1 po:ccp.	N507753		186	188	2.0	0.02	0.01	0.015		0.2		447	59	7010	0.12		TB13165144
		Partly silicified close to be a 1a	5% to 1% diess	minated sulnhides	N507755		188	190	2.0	0.01	<0.005	0.002		0.2		482	53 33	945U 6650	0.13		TB13165144
		171.36-171.56 and 176.82-179.56(this interval contain around 10% blebs of MS)	573 tO 1 76 UISSE	in 2a fine or in MS blebs but mostly po, trace of ccp	N507756		190	192	2.0	0.012	0.022	0.02		0.2		776	120	5820	0.13		TB13165144
		5a - Quartz syenite			N507757		194	196	2.0	0.027	0.02	0.019		0.3		641	91	6940	0.13		TB13165144
		med to crs gr K felds (pink color), qtz and px. Px altered into chlorite. Sharp contacts.			N507758		196	198	2.0	0.009	<0.005	0.003		0.2		463	43	8290	0.1		TB13165144
I		166.9-168.4 ; 173.8-174.16 ; 174.86-175.25 ; 176.21-176.5			N507759		198	200	2.0	0.021	0.014	0.016		0.3		634	90	6720	0.12		TB13165144
<b> </b>					N507760		200	202	2.0	0.04	0.014	0.004		0.4		807	144	4800	0.11		TB13165144
179.57	201.78	3 3b - Coarse grained, ophitic gabbro (>5mm) 0.5	5% to 1% disse	minated sulphides	N507761		202	204	2.0	0.008	<0.005	0.001		0.2		623	57	>10000	0.13		TB13165144
F		Standard 3b with med to crs gr plag, cpx, ol and mag. Good ophitic texture.		179.57-192.6 tine to med gr 2:1 po:ccp fes patches richer.	N507762		204	206	2.0	0.005	0.005	0.007		0.4		576	66 77	6100	0.26		1B13165144
I	I	importante pink alteration at 185-5-201.78	ace to 0.5% dis	seminated sulphides	N507763	I	206	208	2.0	0.005	<0.005	U.UU4	1	0.3	1	3/1	//	6190	0.24		1013165144

	GE	OLOGY		Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	Comments	N e e e e c comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	#
			2a - Fine grained homogeneous gabbro	192.6-201.78 fine to very fine gr po and ccp.	N507764		208	210	2.0	0.003	< 0.005	0.002			<0.2		268	50	4880	0.2		TB13165144
			190.3-191.56 fine gr, but contacts seem gradationnal above and below.		N507765	d	208	210	2.0	0.002	< 0.005	0.002			0.2		257	47	4930	0.19		TB13165144
			3g - Medium to coarse grained oxide melatroctolite		N507766		210	212	2.0	0.004	< 0.005	0.002			0.2		361	84	5670	0.27		TB13165144
			191 56-192 6 ol and mag cumulate. With med to crs or plag, ol, mag and cox.		N507767		212	214	2.0	0.004	<0.005	0.004			0.2		410	123	2850	0.38		TB13165144
					N507768		214	216	2.0	0.004	<0.005	0.001			-0.2		258	28	7920	0.12		TB13165144
201 78	206.5	4 4a - MS hoet	ad braccia with Eine Grained rahbro venolithe	0.5% to 1% disceminated subhides	N507769		216	218	2.0	0.001	<0.005	0.003			<0.2		105	117	690	0.36		TB13165144
201.70	200.5	44 - 100 11030	20 peopleted with the Granicu gabolic Astroniums	fina or four patche 4:1 no con in MS	K009705		210	210	4.0	0.001	<0.005	0.000			~0.Z		105		030	0.30	0.08	TP10165140
			3a Associated with 2a Xenolith, wed gr with gr size variation.	nine griew patche 4.1 po cop in wis	K008795		210	222	4.0											0.32	0.00	1813103143
			24 * File graned homogeneous gaboro	no sunde in za.	1																	
			201.78-202.2 ; 204.13-204.72 ; 205.03-205.54 ; 205.02-206.17 presence of MS blebs. <10%		+																	
000 51				T	+																	
206.54	222.0	10 1a - Footwall	meomorphic intrusive breccia	Trace to 0.5% disseminated sulphides	4																	
			silicified with clasts. Close to a 2a sometimes.	few trace in 3a fine to very fine gr.	+																	
			3a - Medium grained, ophitic gabbro (<5mm)	no sulfide in 1a.	+																	
			Med gr partly silicified. Contacts mostly sharp but also diffuse.		+																	
			207.07-208.23 ; 208.46-208.66 ; 210.38-210.64 ; 213.35-213.64 ; 213.78-215.88.		4																	
					4																	
222.00		EOH - End of	Hole		-																	
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			STILLWATER CANADA INC DIAMOND DRILL CORE LOG					
NTS:		42 D / 16		DDH:	<u>RS-13-06</u>	DIAMOND DRIL	L CORE L	OG
UTM	Northing	5414238		Lease/Claim:	4207857	Reflex EZ Shot-	Diamond	Drillhole Sur
(Nad27)	Easting	535453.3		Property:	Coldwell Complex	Depth	Dip	Azimuth
Elevation	ı (m):	363.2		Zone:	Redstone	Casing	-79.66	339.16
Dip at Co	llar:	-79.66		Date start:	18-Aug-13			
Azimuth:		339.16		Date finish:	20-Aug-13			
Total Dep	oth:	297		Contractor:	Chibougamau Diamond Drilling			
Core Size	e:	NQ		Logged by:	Renata Smoke (0-113), Yonggang Feng (113-297m)			
Remarks	:	Core stored	i in Stillwater Canada Inc. warehouse, Marathon, Ontario	Assistant:	Julien Meric, Yonggang Feng	complete downhole s	survey on Sall	y Lake masterlist

	GEOLO	OGY			Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh T	PGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm p	pm	ppm	%	ppm	ppm	ppm	%	%	#
0.00	1.37	OB - Overburden				N507770		1.37	3	1.6	<0.005	0.008	<0.2					64	5	4130	0.28		TB13174746
						N507771		3	5	2.0	0.005	0.01	<0.2					73	8	3650	0.26		TB13174746
1.37	24.20	3a - Medium grained, o	nitic gabbro (<5mm) Tra	ace to 0.5% dis	seminated sulphides	N507772		5	7	2.0	<0.005	0.002	<0.2					140	7	6820	0.2		TB13174746
			Mix of 3a, 3b (completely gradational contacts btwn them). Cpx forms ophitic texture with Plag,		3:1 Po, Cpy. Almost exclusively associated with Bi alteration pods	N507773		7	9	2.0	<0.005	0.005	<0.2					289	6	>10000	0.18		TB13174746
			OI, Mag are intergranular. OI, Mag are fg-med gr, Cpx, Plag are med gr-crs gr. Can be particularly OI			N507774		9	11	2.0	<0.005	0.003	<0.2					355	4	>10000	0.22		TB13174746
			and Mag rich in layers (up to 30% OI, up to 20% Mag). 4-6% vfg Ap.			N507775		11	13	2.0	<0.005	0.001	<0.2					269	2	>10000	0.19		TB13174746
			15.5m-22.16m OI content is very low, <5%. In this interval Ap content drops to <1%.			N507776		13	15	2.0	<0.005	0.001	<0.2					336	3	>10000	0.21		TB13174746
			1.37-16m Labr is very common, mod Chlor alteration of Plag and Cpx.			N507777		15	17	2.0	<0.005	0.001	<0.2					222	2	7800	0.19		TB13174746
			15.5m-24.2m Chlor alteration of Plag is intense, Chlor and Ca alteration of Cpx (forms pseudos) is			N507778		17	19	2.0	<0.005	0.008	<0.2					101	5	4950	0.17		TB13174746
			also intense (Ca vugs, with Chlor rims, sometimes with Bi as core).			N507779		19	21	2.0	0.017	0.029	<0.2					68	16	1940	0.05		TB13174746
			18.4-22.2m Mod pink and Ser alteration.			N507780	Ь				<0.005	0.001	<0.2					20	2	80	0.01		TB13174746
						N507781		21	23	2.0	0.015	0.02	<0.2					81	11	3930	0.13		TB13174746
24.20	47.10	3g - Medium to coarse	ained oxide melatroctolite	ace to 0.5% dis	seminated sulphides	N507782		23	25	2.0	<0.005	0.001	<0.2					212	3	>10000	0.27		TB13174746
			Sharp contact marked by "smeary" (bleared grain contacts, greenish yellow color, with only Plag		Ir total vtg sultides, 1:1 diss	N507783		25	27	2.0	<0.005	0.001	<0.2					334	6	>10000	0.17		TB13174746
			and fg Mag) Plag rich zone in overlaying 3a. Overall, fg-vcg. Ol can be vcg to pegm, poikilitic (Mag,			N507784		27	29	2.0	<0.005	0.001	<0.2					374	7	>10000	0.18		TB13174746
			Ap inclusions) forming opnitic text with Plag. Plag is fg-med gr, and latny. Cpx content is low (<5-10%)			N507785		29	31	2.0	<0.005	0.001	<0.2					435		>10000	0.18		TB13174746
			with the exception of: 24.2-27.5m, 40.2-47.1m (in this interval, Cpx can be vcg, forming opnitic text			N507786		31	33	2.0	<0.005	0.001	<0.2					412	8	>10000	0.17		TD40474746
			with Plag. Plag-OI-Mag-Opx. 25-35% Mag. 15-20% vrg Ap.			N507787		33	35	2.0	<0.005	0.001	<0.2					441	9	>10000	0.17		TB13174746
			Has a generally "layered" appearance with Plag rich layers (2-8cm thick, gradational).	n thick, gradational). forms same shape, cont with it) lag.				35	37	2.0	<0.005	0.001	0.2					459	11	>10000	0.18		TD40474746
			Lack of CpX could be due to Bi alteration (where CpX is visible, Bi forms same snape, cont with it)			N507769		37	39	2.0	<0.005	<0.001	0.2					521	14	>10000	0.19		TD40474746
			43-46m subparallel Chlor filled joint with assoc intense alteration. Within this overprinting of Chlor			N507791		41	41	2.0	<0.005	<0.001	0.2					510	17	>10000	0.19		TB13174746
			slickans (can't tall which came first) perpendicular, and 25 degrees from parallel			N507797		43	45	2.0	<0.005	<0.001	0.2					678	20	>10000	0.23		TB13174746
			sioneno (carre ten when carre met), perponational, and 20 degrees non parallel.			N507793		45	47	2.0	<0.005	0.001	0.2					709	20	>10000	0.19		TB13174746
47.10	64.68	3b - Coarse grained, or	itic gabbro (>5mm)	ace to 0.5% dis	seminated sulphides	N507794		47	49	2.0	<0.005	<0.001	0.2					532	19	>10000	0.14		TB13174746
			Likely same unit as above, except that there is a greater proportion of Plag rich crs gr zones, and few		0-Tr vfg Po	N507795	mpa1				0.908	3.43	3.4					7030	383	1370	1.09		TB13174746
			3g zones. Plag, Cpx, and OI are med gr -pegm. OI and Cpx forms ophitic text with Plag, and			N507796		49	51	2.0	< 0.005	0.001	0.2					700	24	>10000	0.18		TB13174746
			contain numerous incl of fg-med gr Mag. Plag-OI-Cpx-Mag. 5-15% fg-med gr Ap.			N507797		51	53	2.0	< 0.005	< 0.001	0.3					628	31	>10000	0.16		TB13174746
			Layered appearance formed by Mag and OI rich zones (10-20cm).			N507798		53	55	2.0	< 0.005	< 0.001	0.2					619	31	>10000	0.14		TB13174746
			Mod Chlor and Bi alteration of Cpx.			N507799		55	57	2.0	<0.005	< 0.001	<0.2					665	35	>10000	0.16		TB13174746
			Grades into mostly a 3g comp near lower contact.			N507800		57	59	2.0	<0.005	0.005	<0.2					682	97	>10000	0.16		TB13174746
			POSSIBLE FAULT ZONE starts at 62.6. Marked by intense Chlor, Act, Bi alteration, parallel joints,			N507801		59	61	2.0	<0.005	<0.001	<0.2					561	27	>10000	0.13		TB13174746
			and parallel and perp chlor slickens			N507802		61	63	2.0	< 0.005	<0.001	<0.2					597	31	>10000	0.14		TB13174746
						N507803		63	65	2.0	<0.005	0.001	<0.2					641	39	>10000	0.16		TB13174746
			57.34-57.6m possible 2a xeno. Marked in sharp drop in Mag content (15% to 0), and grain size. Very			N507804		65	67	2.0	<0.005	0.001	<0.2					888	37	>10000	0.17		TB13174746
			homogenous, composed entirely of Cpx, Plag, but not ophitic (equigranular with each other).			N507805		67	69	2.0	<0.005	0.006	0.5					1680	65	>10000	0.33		TB13174746
						N507806		69	71	2.0	<0.005	0.004	0.3					1195	75	>10000	0.2		TB13174746
64.68	68.00	3d - Very coarse graine	to pegmatitic, ophitic gabbro			N507807		71	73	2.0	<0.005	0.005	0.4					1150	84	>10000	0.17		TB13174746
			ENTIRE UNIT POSSIBLE FAULT ZONE. Marked by intense to complete Chlor, Act, Bi alteration			N507808		73	75	2.0	<0.005	0.002	<0.2					602	73	>10000	0.1		TB13174746
		+	throughout, complete pink alteration of Plag in the core, numerous Chlor filled joints, incl parallel joints			N507809		75	77	2.0	<0.005	0.001	0.2					631	78	>10000	0.11		TB13174746
		+	In zones which are not pink altered, Ap content is 25-30%, vfg. As inclusions within intensely Bi			N507810	d	75	77	2.0	<0.005	0.001	<0.2					611	79	>10000	0.1		TB13174746
		+	altered Cpx. Mag is 15-25% as inclusions in Plag, Cpx, OI. Ophitic text with OI and Cpx.			N507811		77	79	2.0	<0.005	<0.001	<0.2					543	54	>10000	0.09		TB13174746
		+	Plag-Cpx-OI. Sharp upper and lower contact.			N507812		79	81	2.0	<0.005	0.005	<0.2					630	74	>10000	0.1		TB13174746
						N507813		81	83	2.0	<0.005	0.002	<0.2					646	90	>10000	0.1		TB13174746
68.00	73.43	3g - Medium to coarse	rained oxide melatroctolite Tra	ace to 0.5% dis	seminated sulphides	N507814		83	85	2.0	0.005	0.012	0.2					828	89	>10000	0.13	1	TB13174746
		+	68-69.4m is 3b, but very gradational with 3g so not differentitated as a different unit. Similar to		0-Tr vfg Po, rare cpy	N507815		85	87	2.0	0.006	0.012	<0.2					738	117	>10000	0.11		TB13174746
L	I		above 3g unit with the exception of an increase in Cpx content, and OI gr size. Overall, fg-vcg.			N507816	I	87	89	2.0	0.005	0.013	<0.2	1	1			656	108	>10000	0.11	ľ	TB13174746

	GEOLO	OGY				Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd Rh	TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	#
				Cox can be med ar-peam forming ophitic text with Plag. OI is med ar and sub-ophitc. Both contain			N507817		89	91	2.0	0.013	0.034	0.2				843	125	>10000	0.14		TB13174746
				numerous incl of fg Mag and Ap. Plag-OI-Mag-Cpx. Plag is med-crs gr			N507818		91	93	2.0	0.017	0.09	0.6				1665	167	>10000	0.25		TB13174746
							N507819		93	95	2.0	0.009	0.034	0.6				1645	177	7920	0.41		TB13174746
73.43	82.86	3b - Coarse gr	rained, ophitic g	bbro (>5mm) Trace t	to 0.5% dissemi	inated sulphides	N507820		95	97	2.0	0.043	0.115	1				1570	176	2150	0.39		TB13174746
				Med-crs gr and ophitic. Heterogenous in OI and Cpx %s and grn size. MOSTLY OI is domiant	Rar	e fg Po	N507821		97	99	2.0	0.009	0.031	0.7				1570	182	>10000	0.27		TB13174746
				forming ophitic text with Plag (25-45% OI, med-crs gr), although in patches there can be			N507822		99	101	2.0	<0.005	0.011	0.4				661	120	>10000	0.13		TB13174746
-				50:50 Cpx:OI. Mag rich (15-20%) either intergran to Plag or forming sub-ophitic style text.			N507823		101	103	2.0	< 0.005	0.006	0.4				627	92	>10000	0.15		TB13174746
-				Chlor alteration is mod to intense (mostly or Cpx, to a lesser extent and not continuous of Plag), and			N507824		103	105	2.0	0.005	0.014	0.4				814	139	>10000	0.12		TD40474740
				There are rare patches or intense pink alteration or Plag, and complete Act pseudos or Cpx.			N507826	D	105	107	2.0	<0.005	<0.001	<0.2				4	88	>10000	0.01		TB13174746
							N507827		107	109	2.0	0.011	0.032	0.2				904	106	8890	0.17		TB13174746
82.86	92.49	3g - Medium te	o coarse grained	oxide melatroctolite 0.5% to	to 1% dissemina	ted sulphides	N507828		109	111	2.0	0.007	0.03	0.4				1000	116	>10000	0.27		TB13174746
				Heterogenous grading from 3g to 3b (60% 3g, 40% 3b). Fg-crs gr, ophitic in 3b sections with OI	92.	1-92.4m 3:1 Po, Cpy, fg-mg, patchy in 3b	N507829		111	113	2.0	0.013	0.02	0.6				1175	166	>10000	0.21		TB13174746
				forming ophitic text. Cpx:OI is approx 50:50 in 3g (crs gr, poikilitic with fg Mag and Ap inclusions)			N507830		113	115	2.0	0.008	0.02	0.8				1155	143	>10000	0.53		TB13174746
				and approx 70:30 in 3b. Lower half of unit has proportionally more 3b than upper half.VERY Ap rich,			N507831		115	117	2.0	0.017	0.026	0.4				1310	188	8450	0.3		TB13174746
				20-45% in 3g. Ap-Mag-Cpx-OI-Plag in 3g, Plag-OI-Cpx-Mag in 3b.			N507832		117	119	2.0	0.044	0.096	1.3				2650	256	5890	0.38		TB13174746
				Chlor alteration is mod to intense (mostly of Cpx, to a lesser extent and not continuous of Plag),			N507833		119	121	2.0	0.031	0.086	1.3				3040	240	4810	0.51		TB13174746
				mod Bi alteration, and rare patches of complete Act pseudos of Cpx.			N507834		121	123	2.0	0.047	0.086	0.9				2300	259	3730	0.44		TB13174746
							N507835		123	125	2.0	0.041	0.065	0.3				605	107	6570	0.16		TB13174746
92.49	96.98	4a - MS hoste	d breccia with F	ne Grained gabbro xenoliths 0.5% to	to 1% dissemina	ted sulphides	N507836		125	127	2.0	0.028	0.04	0.2				246	42	8450	0.12		TB13174746
				Approx 50% 2a, 25% 3b, 25%3g (same 3g, 3b units as mentioned above).	1:1	Po, Cpy, fg-med gr in MS (higher Po in 3g than in 3b)	N507837		127	129	2.0	0.019	0.031	<0.2				256	70	7270	0.05		TB13174746
				Fg-crs gr, ophitic in 3b sections with OI forming ophitic text. Cp::OI is approx 50:50 in 3g (crs gr,			N507838		129	131	2.0	0.017	0.027	<0.2				327	36	8230	0.05		TB13174746
				polklittic with tg Mag and Ap inclusions)and approx 70:30 in 3b.			N507839	mpg2	131	133	2.0	0.023	0.031	<0.2				317	33	9100 1700	0.05		TB13174746
-				mod Bi alteration, and rare patches of complete Act pseudos of Cox			N507841	mpgz	133	135	2.0	0.018	0.032	-0.2				2670	200 62	>10000	0.05		TB13174740
			2a - Fine grain	d homorgeneous gabbro			N507842		135	137	2.0	0.034	0.058	<0.2				240	83	5740	0.07		TB13174746
				92,49-92,64m, 93,11-92,46m, 93,9-95,06m, 95,15-96,2m			N507843		137	139	2.0	0.05	0.067	0.2				250	75	2930	0.18		TB13174746
96.98	113.10	3g - Medium te	o coarse graine	oxide melatroctolite Trace t	to 0.5% dissemi	inated sulphides	N507844		139	141	2.0	0.046	0.056	0.2				280	66	2520	0.11		TB13174746
				gradational into this unit. Rock is heterogeneous. Dominated by mag-ol cumulate with minor pl and	96.	98-113.1m. Trace cpy, no visible po.	N507845		141	143	2.0	0.052	0.094	0.2				522	85	3360	0.09		TB13174746
				cpx. The rock shows variation in pl content and locally pl-rich. Strong chl alteration. Ol is partially to			N507846		143	145	2.0	0.084	0.274	0.7				1715	216	2490	0.23		TB13174746
				completely replaced by chl. The rock is cross cut by cb stringers. 2-3% disseminated Ap.			N507847		145	147	2.0	0.078	0.205	0.6				1685	225	4510	0.24		TB13174746
				106.9-108m. The rock is pl-rich but shows extensive albitization. Pl is completely replaced by pink			N507848		147	149	2.0	0.082	0.371	1				2310	236	3880	0.3		TB13174746
				fine grained Ab.			N507849		149	151	2.0	0.047	0.106	0.5				1285	191	2860	0.19		TB13174746
				109.7-110.22m. The rock shows pervasive cb alteration. Original mineral assemblage has been			N507850		151	153	2.0	0.061	0.061	<0.2				884	227	2440	0.15		TB13174746
				completely replaced by cb.			N507851		153	155	2.0	0.125	0.096	0.6				1550	260	2990	0.23		TB13174746
				112-113.1m. Pervasive chi alteration. Matic minerals in 3g have been completely replaced by chi.			N507852		155	157	2.0	0.149	0.171	<0.2				705	279	3480	0.08		TB13174746
			5a - Quartz ev	nite			N507854		150	161	2.0	0.007	0.030	<0.2				421	244	3040	0.02		TB13174740
			Ja = Qualitz Sy	100 4-101 4m. Sharo contact with 3o. The rock is strongly altered. Cox is replaced by chi while pl by			N507855	d	159	161	2.0	0.09	0.047	<0.2				381	244	2920	0.09		TB13174746
				an unknown green mineral (epidote?).			N507856	-	161	163	2.0	0.12	0.136	<0.2				498	268	3070	0.09		TB13174746
			3b - Coarse gr	ined, ophitic gabbro (>5mm)			N507857		163	165	2.0	0.04	0.058	0.2				167	91	860	0.23		TB13174746
				102.67-103.13m. Gradational with 3g. Composed of coarse grained pl and cpx with minor ol and			N507858		165	167	2.0	0.088	0.362	0.5				1325	153	3560	0.19		TB13174746
				mag. Strong chl alteration. Cpx and ol are partially replaced by chl.			N507859		167	169	2.0	0.044	0.087	1				1990	207	3570	0.32		TB13174746
			6a - Aphanitic	o fine grained gabbro dikes (youngest)			N507860		169	171	2.0	0.056	0.098	0.4				1060	355	3640	0.14		TB13174746
				105-105.6m. Sharp contact with 3g. Pinkish rock is aphanitic. Pink colore is likely due to hematite			N507861		171	173	2.0	0.101	0.118	0.5				1275	217	3690	0.14		TB13174746
				alteration.			N507862		173	175	2.0	0.075	0.213	0.2				567	126	2220	0.07		TB13174746
			3d - Very coar	e grained to pegmatitic, ophitic gabbro			N507863		175	177	2.0	0.272	0.377	0.2				793	446	1950	0.09		TB13174746
		+	+	108-108.15m. Abrupt into this unit. Pegmatitic and distinct ophitic texture. Strong Ab and Chl			N507864		177	179	2.0	0.325	0.506	0.2				869	335	2360	0.09		1813174746
112.10	115.02	E7 foult cr -h	1 2007 7000	aiteration.			N507865		179	181	2.0	0.332	0.699	0.3				909	320	2400	0.09		TB13174746
113.10	115.02	r∠ = rauit or sr	icai ZONE	The rock in the EZ is the continuation of the above 3n Denvesive chilatteration. Also, the rock is			N507867		183	103	2.0	0.400	0.38	<0.2 <0.2				475	203 507	3210	0.13		TB13174746
		1		cross cut by many cb stringers.			N507868		185	187	2.0	0.012	0.042	<0.2				131	661	210	0.00		TB13174746
115.02	123.50	3a - Medium te	o coarse grainer	oxide melatroctolite 0.5% to	to 1% dissemina	ted sulphides	N507869		187	189	2.0	0.014	0.036	<0.2				134	655	260	0.01		TB13174746
				Same as the 3g above. Heterogeneous. Locally, the rock is rich in pl and ol. Strong chl alteration.	115	.02-123.05m. Overall, 1% cpy, 0.5% po (po:cpy=1:2). Cpy	N507870	ь				<0.005	0.001	<0.2				7	3	40	<0.01		TB13174746
				OI and cpx are partially to completely replaced by chl. The rock is cross cut by many small-scale	and	po are intersitial to mag. Py is locally present in chl-cb	N507871		189	191	2.0	0.108	0.275	0.3				643	413	6500	0.07		TB13174746
				cb stringers.Pl is partially albitized.	str	ingers. Cpy is present in chl veins that cross cut 3g as at	N507872		191	193	2.0	0.146	0.337	0.3				609	327	5690	0.07		TB13174746
L			L		119	.12-119.24m.	N507873		193	195	2.0	0.073	0.24	<0.2				386	251	3670	0.05		TB13174746
		-	L		121	-123m. Bo is rarely present and associated with cpy.	N507874		195	197	2.0	0.054	0.146	0.2				480	192	7760	0.06		TB13174746
123.50	127.16	3b - Coarse gr	rained, ophitic g	bbro (>5mm) Trace t	to 0.5% dissemi	inated sulphides	N507875		197	199	2.0	0.326	0.647	0.3				538	461	2250	0.07		TB13174746

	GEOLO	OGY				Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh T	PGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm p	pm	ppm	%	ppm	ppm	ppm	%	%	#
				gradatioanal into this unit. Very heterogeneous and high fractured. This interval is likely a mixtured		123.5-127.16m. Trace sulfides.	N507876		199	201	2.0	0.263	0.418	0.2					734	148	7890	0.1		TB13174746
				of 3b, 3g and 3d. Obscured textures due to pervasive chl. albite and carbonate alteration.			N507877		201	203	2.0	0.399	0.697	0.2					599	150	5590	0.11		TB13174746
				Dominated by coarse grained cpx and pl. Cpx is partially to completely replaced by chl and cb			N507878		203	205	2.0	0.276	0.577	0.4					583	176	4490	0.12		TB13174746
				while pl by albite. Wormy mag is interstitial to pl.			N507879		205	207	2.0	0.241	0.469	0.5					949	146	6050	0.16		TB13174746
127.16	128.77	FZ - fault or	shear zone				N507880		207	209	2.0	0.094	0.248	0.7					1100	122	7820	0.21		TB13174746
				The rock in the FZ is the continuation of the 3b above. Highly fractured and stronger chl alteration.			N507881		209	211	2.0	0.079	0.147	0.4					714	87	8570	0.17		TB13174746
128.77	136.51	3b - Coarse	grained, ophitic g	abbro (>5mm) T	Trace to 0.5% d	sseminated sulphides	N507882		211	213	2.0	0.022	0.046	0.3					771	84	5660	0.13		TB13174746
				Same as the 3b above. Strongly altered. Pervasive chl, ab and cb alteraion. cross cut by many		128.77-136.51m. Trace sulfides.	N507883		213	215	2.0	0.108	0.223	0.2					689	127	5750	0.1		TB13174746
				cb veinlets.			N507884		215	217	2.0	0.064	0.159	0.2					530	127	2450	0.06		TB13174746
136.51	140.50	FZ - fault or	shear zone				N507885	mpg1				1.07	3.57	3.4					7030	384	1400	1.12		TB13174746
			-	The rock in the FZ is the continuation of the 3b above. Highly fractured. Fractures are filled by cb			N507886		217	219	2.0	0.016	0.031	0.3					708	78	8880	0.12		TB13174746
				and chi. Pervasive chi, ab and cb alteration.			N507887		219	221	2.0	0.234	0.797	0.4					1045	239	1490	0.1		TB13174746
-			2a - Fine grain	20 nomogeneous gabbro			N507888		221	223	2.0	0.113	0.355	0.4					938	145	1700	0.09		TB131/4/46
				ranlaced by chi			N507890		225	223	2.0	0.005	0.009	0.5					1255	104	8710	0.17		TB13174740
140 50	142 70	3h - Coarse	arained ophitic a	abbro (\Smm)	Trace to 0.5% d	sseminated sulnhides	N507891		223	227	2.0	<0.005	0.009	0.5					644	75	>10000	0.15		TB13174746
110.00	112.10	00 000100	granes, oprice g	Heterogeneous Composed of coarse grained cox and pl. Strong Rt. chl. ch and ab alteration	11000 10 0.070 0	140 5-142 Zm. Trace to 0.5% cov. trace po	N507892		229	231	2.0	<0.005	0.005	0.4					1300	266	3490	0.42		TB13174746
				compared to the 3b above, the alteration is slightly weaker. Cox is replaced by bt. chl and ab. Pl is			N507893		231	233	2.0	0.005	0.007	0.6					1675	285	3460	0.42		TB13174746
				partially albitized. The rock is cross cut by chi-filled fractures. Wormy mag is interstitial to pl.			N507894		233	235	2.0	< 0.005	0.001	0.2					555	94	>10000	0.07		TB13174746
			5a - Quartz sv	enite			N507895		235	237	2.0	< 0.005	0.001	<0.2					419	88	>10000	0.07		TB13174746
				141.63-142.08m. Sharp contact with 3b. Pink rock is dominated by megacrystic Kfs with minor gtz			N507896		237	239	2.0	< 0.005	< 0.001	0.2					534	91	>10000	0.1		TB13174746
				and amp. Roch shows strong chl and cb alteration. Amp is replaced by chl and cb.			N507897		239	241	2.0	<0.005	< 0.001	<0.2					413	90	>10000	0.08		TB13174746
142.70	148.24	3g - Medium	n to coarse graine	d oxide melatroctolite 2	2-3% dissemina	ed sulphides	N507898		241	243	2.0	0.005	0.011	0.2					584	98	9070	0.14		TB13174746
				Gradational into this unit. Heterogeneous rock is likely mixture of 3g, 3a and 2a though 3g is		142.7-143.35m. 2% cpy, no po.	N507899		243	245	2.0	<0.005	0.001	0.2					432	82	>10000	0.11		TB13174746
				predominant. 3g is dominated by mag-ol cumulate with lesser pl. Pl content is varying and locally, T	Trace to 0.5% d	sseminated sulphides	N507900	d	243	245	2.0	<0.005	0.001	0.2					445	86	>10000	0.11		TB13174746
				the rock is pl-rich. Small-scale 2a patches randomly occur in 3g.		143.35-147m. Trace to 0.5% cpy, trace po.	N507901		245	247	2.0	0.019	0.034	0.2					414	81	>10000	0.12		TB13174746
			2a - Fine grain	ed homogeneous gabbro 0	0.5% to 1% diss	eminated sulphides	N507902		247	249	2.0	0.005	0.007	0.2					390	73	>10000	0.1		TB13174746
				143.07-143.35m, 143.72-143.77m, 147.29-147.35m. Sharp contact with 3g. Grey rock is		147-148.24m. 1% cpy, no po. Cpy is associated with secondary	N507903		249	251	2.0	< 0.005	0.001	0.2					449	84	10000	0.14		TB13174746
-				composed of fine grained cpx and pl. moderate to strong chl alteration.		bt (?).	N507904		251	253	2.0	<0.005	0.004	0.5					934	93	5160	0.26		TB13174746
			3a - Medium g	rained, ophitic gabbro (<5mm)			N507905		253	255	2.0	0.046	0.024	0.3					626	84	6960	0.14		TB13174746
				143.85-144.6m, 145.01-145.54m. Abrupt into this unit. Heterogeneous rock is composed of med			N507906		255	257	2.0	0.031	0.026	<0.2					267	58	4570	0.06		TB13174746
				grained cpx and pl with minor ol and mag. Subophitic. Anhedral mag is interstitial to pl. cpx and ol			N507907		257	259	2.0	0.045	0.006	<0.2					474	76	>10000	0.09		TB13174746
			_	are partially replaced by chl. The rock has small-scale irregular 3b patches.			N507908		259	261	2.0	0.049	0.031	<0.2					599	68	9370	0.12		TB13174746
148.24	148.65	FZ - fault or	shear zone				N507909		261	263	2.0	0.036	0.034	<0.2					641	66	>10000	0.16		TB13174746
1 10 05	454.04			The rock in the FZ is likely 3g. Strongly altered. Pervasive chi alteration,			N507910		263	265	2.0	0.02	0.033	<0.2					534	71	8260	0.1		TB13174746
148.65	154.34	4a - MS nos	sted breccia with h	The interval is deminated by the MS series with 2s as vapality. The MS series is represented by 2s	I race to 0.5% d	148 6E 1E4 24m 0 E9/ apr/ pp pp lp 2g apr/ pp	N507911		265	267	2.0	0.033	0.059	<0.2					585	65	7560	0.11		TB131/4/46
-				and 2b 2g and 2b are gradeticed with each other. Pervicing ohl atteration. Cay and all are		148.65-154.34m. 0.5% cpy, no po. in 3g, cpy can	N507912		207	209	2.0	0.028	0.024	<0.2					014 400	62	9320	0.09		TD131/4/40
				and 50. Sg and 50 are graduational with each other. Fervasive chilateration, cpX and or are		TEACH 170.	N507913		209	273	2.0	0.02	0.018	<0.2					402 502	51	>10000	0.1		TB13174740
				2a also occurs as small-scale irregular patches in 3g and 3b			N507915	b	2	210	2.0	<0.005	<0.001	<0.2					3	-1	60	0.01		TB13174746
			2a - Fine grain	ed homogeneous gabbro			N507916	Ĩ	273	275	2.0	0.013	0.005	<0.2					483	43	>10000	0.1		TB13174746
				149.29-150.03m, 153.67-154.34m. Sharp contact with the MS series. Grey rock is composed of			N507917		275	277	2.0	0.011	0.008	<0.2					456	39	>10000	0.09		TB13174746
				fine grained pl and cpx.			N507918		277	279	2.0	<0.005	0.001	<0.2					493	34	>10000	0.09		TB13174746
154.34	162.54	3b - Coarse	grained, ophitic g	abbro (>5mm) 0	0.5% to 1% diss	eminated sulphides	N507919		279	281	2.0	< 0.005	0.001	<0.2					502	32	>10000	0.1		TB13174746
				sharp contact with 2a above. Relatively homogeneous and unaltered compared to 3b above.		154.34-156.17m. 0.5-1% cpy, trace po.	N507920		281	283	2.0	0.006	0.002	<0.2					454	67	7650	0.22		TB13174746
				composed of coarse grained cpx and pl. subophitic. Locally rock becomes coarser grained and T	Trace to 0.5% d	sseminated sulphides	N507921		283	285	2.0	<0.005	0.004	<0.2					184	159	580	0.51		TB13174746
L				cpx-rich. Rock is highly fractured. Moderate to strong chl alteration. Cpx is partially replaced by chl.		156.17-161.63m. No visible po and cpy.	K008796		285	291	6.0											0.27	0.06	TB13165143
			3g - Medium t	coarse grained oxide melatroctolite	Trace to 0.5% d	sseminated sulphides	K008797		291	297	6.0											0.25	0.06	TB13165143
L				154.34-156.17m, 161.63-162.54m. Gradational with 3b and 3d. Mag-rich. Rock shows variation in		161.63-162.54m. Trace cpy, no po.																		
┣		+	-	pl and ol contents. Strong chl alteration. Ol and cpx are partially replaced by chl.																				
		1	3d - Very coar	se grained to pegmatitic, ophitic gabbro																				
┣		-		161.22-161.63m. Gradational into this unit. Composed of megacrystic cpx and pl. subophtic to																				
100 5	100.15		-	ophitic. Weak chi alteration.																				
162.54	166.19	r∠ - fault or	snear zone																					
		1		I ne rock in the F∠ is predominantly 3g with 6a as a minor unit. 3g shows pervasive chl and cb																				
		1		areration. Original minerals are hard to recognize.																				
		1	6a - Anhanitia	to fine grained gabbro dikes (youngest)																				
			oa - ApriantitiC	163.62-165.59m Sham contact with 3n. Red brown antipanitic rock is highly fractured. Red brown																				
R		1		rester rester and the bown and the bown and the bown and the bown		L		1	1		1		1		1	1	1							

	GEOLO	DGY			Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	#
			color is likely due to hematite alteration.																				
166.19	169.00	3g - Medium to coarse g	rained oxide melatroctolite	0.5% to 1% disse	minated sulphides																		
			the interval is mixture of 3g, 3d and 2a though 3g dominates. 3g is dominated by mag cumulate with		166.19-169m. 0.5% cpy, 0.5% po (po:cpy=1:1).																		
			minor pl. pl content in 3g is varying. 3g shows pervasive chl alteration. Ol and cpx are replaced by																				
		3d - Ven	Critic																				
		Su - Very	166.19-166.3m, 167.59-168m, Gradational with 3g, Peomatitc and ophitic, Pervasive chl alteration.																				
			cpx and ol are replaced by chl.																				
		2a - Fine	grained homogeneous gabbro																				
			166.88-167.05m, 168-168.27m. Sharp contact with 3g and 3d. Grey rock is composed of fine																				
			grained cpx and pl.																				
169.00	171.28	FZ - fault or shear zone																					
171 28	175 73	3h - Coarse grained only	Ine rock in the HZ is likely 3g but is hard to recongnize due to pervasive chi alteration.	Trace to 0.5% dis	saminated sulnhides																		
1/1.20	115.13	50 - Coarse grained, opr	heterogeneous. Same as previous I ocally grades into 3d and 3g. Rock shows varation in mag	Trace to 0.5% dis	171 28-171 81m Trace cov and po																		
			content. moderate chi alteration. Ol and cpx are replaced by chi.	0.5% to 1% disse	minated sulphides																		
		3g - Med	um to coarse grained oxide melatroctolite		171.81-172.88m. 0.5% cpy, 1% po (po:cpy=2:1).																		
			171.81-172.88m. Gradational with 3d. Heterogeneous. Dominated by mag cumulate. Rock shows	Trace to 0.5% dis	seminated sulphides																		
			great variation in pl content.		172.88-175.73m. Trace po and cpy.																		
		2a - Fine	grained homogeneous gabbro																				
475 70	400.00	On Madium to another	172.88-173.2m. Sharp contact with 3g. Same as previous.	T																			
175.73	102.30	3g - Medium to coarse g	amed oxide metalrocione	Trace to 0.5% dis	175 73-182 38m Trace po and cov																		
			chi alteration. Ol and cpx are replaced by chi.		noro tozioni. noo po dia opy.																		
		2a - Fine	grained homogeneous gabbro																				
			176.56-177.24m. Sharp contact with 3g. Same as previous.																				
		3d - Very	coarse grained to pegmatitic, ophitic gabbro																				
			181.74-182.38m. Gradational into this unit. Composed of coarse grained to megacrystic pl and cpx																				
400.00	102 52	<b>F7</b> (author above and	. Subophitic to ophitic. Cpx is replaced by bt and chl.																				
162.30	103.32	FZ - Tault of shear zone	the rock in the FZ is 3g. Strong chl alteration.																				
183.52	189.50	2a - Fine grained homog	eneous gabbro	Trace to 0.5% dis	seminated sulphides																		
			sharp contact with 3g at the beginning of this interval. Grey rock is composed of fine grained cpx		183.52-189.5m. Trace po and cpy.																		
			and pl. moderate to strong chl alteration.																				
189.50	194.95	3b - Coarse grained, oph	itic gabbro (>5mm)	Trace to 0.5% dis	seminated sulphides																		
			very heterogeneous. Likely mixture of 3b, 3g and 2a, of which, 3b appears to dominate the		189.5-194.65m. Trace po and cpy.																		
F			memora, by and on are very patchy and memored with 30, 30 is composed of coarse grained pl																				
		3g - Med	um to coarse grained oxide melatroctolite																				
			190.05-190.18m, 190.25-190.33m, 191.3-191.65m. Gradational with 3b but sharp contact with 2a.																				
		<u> </u>	50-60% mag, 30% cpx, 10% pl in this unit. Weak to moderate chl alteration.																				
L		2a - Fine	grained homogeneous gabbro																				
		<u>                                      </u>	190.33-191.3m. The rock is cpx-rich and composed of fine to med grained cpx and pl. possibly 2k.																				
			192.03-193.0011. Sharp contact with the MS series. Composed of fine grained cpx and pl.																				
194.95	200.17	FZ - fault or shear zone	The second secon			1																	
			The rock in the FZ is mixture of 3b, 3g and 3h. 2a xenolith is also present. 3b dominates the interval.			]																	
			3b, 3g and 3h are gradational with each other. Strong chl alteration. Cpx is partially to completely																				
		<u>↓                                    </u>	replaced by chl.																				
		3h - Apat	itic clinopyroxenite																				
			198-198.26m. Dark green rock is dominated by med grained cpx with minor pl.																				
F		3g - Med	198 26-198 4m. Rock is composed of man, cny and pl. man is predominant over cny and pl. cny																				
			and mag are subhedral. Pl is anhedral and interstitial to cpx and mag.																				
		2a - Fine	grained homogeneous gabbro			]																	
			199.2-199.32m. Sharp contact with 3b. Fine grained rock shows moderate chl alteration.																				
200.17	208.52	4a - MS hosted breccia	vith Fine Grained gabbro xenoliths	Trace to 0.5% dis	seminated sulphides																		
		<u>├</u>	the interval is dominated by 3b and 3h. 2a is present as xenolith. 3b dominates the MS series.		200.17-207m. Trace po and cpy.																		
I	1		3b, 3d and 3g are gradational with each other. 3b is composed of coarse grained pl and cpx with	0.5% to 1% disse	minated sulphides	]	1	1	1	1								1				1	

	GEOLO	OGY			Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	#
			minor mag. 3b shows variation in mag content and grain size and locally grades to 3h. Moderate		207-208.1m. 0.5% cpy, 0.5% po (po:cpy=1:1).																		
			chl alteration. cpx is partially replaced by chl. Qtz is locally present in 3b.	Trace to 0.5% dis	seminated sulphides																		
		2a - Fine g	ained homogeneous gabbro		208.1-208.52m. No visible sulfides.	-																	
			202202.29m, 204.78-205m, 207.5-207.66m, 208.1-208.52m.																				
		3h - Apatiti	clinopyroxenite																				
			206.78-207m.																				
208.52	229.39	3b - Coarse grained, ophiti	gabbro (>5mm)	Trace to 0.5% dis	seminated sulphides																		
			Overall homogeneous. Rock is composed of coarse grained pl and cpx with minor mag. Wormy		208.52-229.39m. Trace to 0.5% cpy, trace po.																		
			mag is interstitial to cpx and pl. obviously ophitic. Locally grades into 3d and 3h. Cpx is partially																				
			replaced by chl. Small-scale irregular 2a patches are locally present in 3b.			-																	
		3d - Very c	arse grained to pegmatitic, ophitic gabbro																				
			210.66-212.63m, 213.3-214.5m. 218.3-219m. Composed of megacrystic pl and cpx. Obviously			-																	
			ophitic. Weak chl alteration.			-																	
		3h - Apatiti	clinopyroxenite			-																	
			219.25-219.8m, 223.69-223.94m. Dominated by coarse grained cpx with lesser interstitial pl.			-																	
		2a - Fine g	ained homogeneous gabbro			-																	
			226.2-226.95m. Sharp contact with 3b. Grey rock is composed of fine grained pl and cpx. Strong			-																	
			chl alteration. Cross cut by chl-filled fractures.																				
229.39	232.10	2a - Fine grained homogen	ous gabbro	Trace to 0.5% dis	seminated sulphides	-																	
			sharp contact with 3b. Homogeneous.Same as 2a above.		229.39-232.1m. No visible po and cpy.	-																	
232.10	274.78	3b - Coarse grained, ophiti	gabbro (>5mm)	Trace to 0.5% dis	seminated sulphides	-																	
			same as 3b above. Ophitic to subophitic. Overall homogeneous. 2a is present as xenolith.		232.1-253.24m. Trace cpy and po.	-																	
			weak to moderate bt and chl alteration. Cpx is partially altered to bt and chl.	0.5% to 1% disse	minated sulphides	-																	
		2a - Fine gr	ained homogeneous gabbro		253.24-253.38m. 1% po, no cpy.	-																	
			242.34-242.64m, 252.61-253.24m, 253.73-254.38m.	Trace to 0.5% dis	seminated sulphides	-																	
					253.38-274.78m. Trace po and cpy.	-																	1
274.78	282.44	3a - Medium grained, ophit	c gabbro (<5mm)	Trace to 0.5% dis	seminated sulphides																		
			abrupt into this unit. Composed of fine grained pl and cpx with minor ol and mag. Subophitic. Mag		274.78-282.44m. Trace po and cpy.																		
			is wormy and interstitial to pl. homogeneous.			-																	
282.44	297.00	1a - Footwall rheomorphic	ntrusive breccia	Trace to 0.5% dis	seminated sulphides	-																	
			sharp contact with 3a above. Felsic rock shows chaotic texture. Cross cut by syenite dikelets.		282.44-297m. No visible po and cpy.	-																	
		3a - Mediur	I grained, ophitic gabbro (<5mm)			-																	
			285.28-285.39m, 285.44-287.49m, 288.47-289.25m, 293.75-294m. The contact with 1a diffuses			-																	
		E. Ourt	. Same as 3a above.			-																	
		5a - Quartz	OPE DO DOE 44-2000 4E DOD DETE DOE 7 DOCT. Chara contract with 4-2 Birly and in deminated			-																	
1	-	<u>                                      </u>	by coarse grained Kis with minor gtz and mafic minorgie	1		1			1														, I
207.00		EOH End of Hole	by coarse grained his with minor qiz and manc minerals.																				
291.00		CON * ENd of Hole				1																	, I
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				STILLWATER CANADA INC DIAMOND DRILL CORE LOG		
NT	S:		42 D / 16		DDH:	<u>RS-13-07</u>
UT	м	Northing	5414208		Lease/Claim:	4207857
(Na	d27)	Easting	535357.8		Property:	Coldwell Complex
Ele	vation	ı (m):	360.7		Zone:	Redstone
Dip	at Co	llar:	-50.35		Date start:	20-Aug-13
Azi	muth:		345.92		Date finish:	21-Aug-13
Tot	al Dep	oth:	198		Contractor:	Chibougamau Diamond Drilling
Co	re Size	e:	NQ		Logged by:	Yonggang Feng
Rei	narks	:	Core stored	in Stillwater Canada Inc. warehouse, Marathon, Ontario	Assistant:	Julien Meric

DIAMOND DRIL	L CORE L	OG
Reflex EZ Shot-	Diamond	Drillhole \$
Depth	Dip	Azimuth
Casing	-50.35	345.92

complete downhole survey on Sally Lake masterlist

	GEOLO	DGY			Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	You Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm ppm	ppm	%	ppm	ppm	ppm	%	%	#
0.00	2.96	OB - Overburden				N507922		9	11	2.0	0.008	0.008	0.023		<0.2		162	20	5670	0.15		TB13171785
2.96	9.45	2g - Gabbroic anort	hosite	Trace to 0.5% dis	seminated sulphides	N507923		11	13	2.0	0.004	0.009	0.004		<0.2		222	7	9220	0.26		TB13171785
			White rock is dominated by coarse grained anhedral to subhedral pl. Mafic minerals (predominantly		2.96-9.45m. No visible po and cpy.	N507924		13	15	2.0	0.002	< 0.005	<0.001		<0.2		249	7	7890	0.37		TB13171785
			cpx) is fine grained and interstitial to pl. Pl is possibly partially altered to sericite. Locally Pl is partially			N507925		15	17	2.0	0.002	< 0.005	<0.001		<0.2		246	2	>10000	0.24		TB13171785
			replaced by Ab. Wormy mag randomly occurs.			N507926		17	19	2.0	0.001	< 0.005	0.001		<0.2		266	1	>10000	0.24		TB13171785
		2a -	Fine grained homogeneous gabbro			N507927		19	21	2.0	0.002	0.01	0.022		<0.2		129	40	3650	0.14		TB13171785
			7.91-8.64m. sharp contact with 2g. Dark rock is composed of fine to med grained pl and cpx with			N507928		21	23	2.0	0.003	< 0.005	0.004		<0.2		245	10	8530	0.21		TB13171785
			minor bt. 10% bt. Bt is coarse grained and euhedral and possibly primary. The rock is coarser			N507929		23	25	2.0	<0.001	< 0.005	<0.001		<0.2		354	6	>10000	0.21		TB13171785
			grained than typical 2a. Weak chl alteration. Could be 2k (?).			N507930	mpg2				0.22	0.283	0.81		1.1		2900	280	1780	1.17		TB13171785
9.45	11.28	2a - Fine grained ho	omogeneous gabbro	Trace to 0.5% dis	seminated sulphides	N507931		25	27	2.0	0.001	< 0.005	0.001		<0.2		346	1	>10000	0.18		TB13171785
			sharp contact with 2g. Same as the 2a above. Not typical 2a. Cross cut by syenite stringers.		9.45-11.28m. No visible po and cpy.	N507932		27	29	2.0	<0.001	< 0.005	<0.001		<0.2		347	1	>10000	0.17	-	TB13171785
11.28	19.50	3b - Coarse grained	l, ophitic gabbro (>5mm)	Trace to 0.5% dis	seminated sulphides	N507933		29	31	2.0	0.001	< 0.005	0.001		<0.2		356	2	>10000	0.18		TB13171785
			sharp contact with 2a above. Heterogeneous. Rock is composed of coarse grained pl and cpx		11.28-19.5m. Trace po and cpy.	N507934		31	33	2.0	0.001	< 0.005	<0.001		<0.2		539	1	>10000	0.24	-	TB13171785
			with minor ol, mag and bt and shows variation in grain size and ol and mag contents. Ophitic to			N507935		33	35	2.0	<0.001	< 0.005	<0.001		<0.2		466	4	>10000	0.2		TB13171785
			subophitic. cpx is partially replaced by chl and cb. Bt is euhedral to subhedral and shows straight			N507936		35	37	2.0	<0.001	< 0.005	<0.001		<0.2		447	6	>10000	0.2		TB13171785
			contact with cpx. The rock has a few syenite stringers.			N507937		37	39	2.0	0.001	< 0.005	<0.001		<0.2		508	5	>10000	0.22	-	TB13171785
		5b -	Augite syenite			N507938		39	41	2.0	0.001	< 0.005	0.001		0.3		990	8	>10000	0.39		TB13171785
			11.28-11.45m, 18.3-19m. Irregular syenite stringers. Cpx is completely replaced by chl.			N507939		41	43	2.0	<0.001	< 0.005	<0.001		<0.2		543	8	>10000	0.24		TB13171785
19.50	22.05	2g - Gabbroic anort	hosite	Trace to 0.5% dis	seminated sulphides	N507940		43	45	2.0	0.001	< 0.005	<0.001		<0.2		478	6	>10000	0.2		TB13171785
			sharp contact with 3b. Same as 2g above but has stronger sericite alteration.		19.5-22.05m. No visible po and cpy.	N507941		45	47	2.0	<0.001	< 0.005	<0.001		<0.2		397	4	>10000	0.18		TB13171785
22.05	94.27	3g - Medium to coa	rse grained oxide melatroctolite	Trace to 0.5% dis	seminated sulphides	N507942		47	49	2.0	0.001	< 0.005	0.001		<0.2		468	9	>10000	0.17		TB13171785
			sharp contact with 2g above. Heterogeneous. 2a, 3b and 3d are present as minor units. Locally pl		22.05-51.35m. Trace sulfides.	N507943		49	51	2.0	0.001	< 0.005	0.001		<0.2		548	8	>10000	0.18	-	TB13171785
			rich or ol-rich. Ap is disseminated through the rock and the rock becomes apatitic with depth.	0.5% to 1% disse	minated sulphides	N507944		51	53	2.0	0.001	< 0.005	<0.001		0.2		857	15	>10000	0.26	-	TB13171785
			22.05-51.2m. 3g is relatively pl-rich. Mag is 25-30%. The rock is possibly mixture of 3g and 3b.		51.35-51.8m. 0.5-1% po, no cpy.	N507945	d	51	53	2.0	0.001	<0.005	0.001		0.2		890	18	>10000	0.29	-	TB13171785
			subophitic texture locally present. 2-5% Ap.	Trace to 0.5% dis	seminated sulphides	N507946		53	55	2.0	0.001	<0.005	0.001		<0.2		630	27	>10000	0.17	-	TB13171785
			51.2-72m. The rock shows 5-10% fine grained Ap.		51.8-70.11m. Trace po and cpy.	N507947		55	57	2.0	0.001	<0.005	0.001		<0.2		659	41	>10000	0.16	-	TB13171785
			72-75m. >10% fine grained dissminated Ap. <15% OI.	0.5% to 1% disse	minated sulphides	N507948		57	59	2.0	0.001	<0.005	0.001		0.2		771	45	>10000	0.18	-	TB13171785
		3d -	Very coarse grained to pegmatitic, ophitic gabbro		70.11-70.65m. 1-1.5% po, no cpy.	N507949		59	61	2.0	0.002	< 0.005	0.002		0.2		715	50	>10000	0.16	-	TB13171785
			84.87-85.05m, 90.27-90.67m, 91.65-95.15m. Gradational with 3g. Composed of megacrystic pl	Trace to 0.5% dis	seminated sulphides	N507950		61	63	2.0	0.003	< 0.005	0.003		<0.2		852	69	>10000	0.18	-	TB13171785
			by bt and chi.		70.65-72m. Trace po and cpy.	N507951		63	65	2.0	0.003	< 0.005	0.004		<0.2		755	89	>10000	0.15	-	TB13171785
		3b -	Coarse grained, ophitic gabbro (>5mm)	0.5% to 1% disse	minated sulphides	N507952		65	67	2.0	0.005	0.006	0.009		0.3		892	105	>10000	0.18	-	TB13171785
			85.05-85.52m. Gradational with 3g and 3d. Homogeneous. Obviously ophitic. Composed of		72-72.5m. 0.5-1% po and cpy.	N507953		67	69	2.0	0.005	0.006	0.008		0.3		699	107	>10000	0.13		TB13171785
			and cpx. Cpx is partially replaced coarse grained pl and cpx.	Trace to 0.5% dis	seminated sulphides	N507954		69	71	2.0	0.01	0.013	0.02		0.4		1270	139	>10000	0.23		TB13171785
		3c -	Coarse grained, ophitic gabbro with leucogabbro lenses		72.5-78m. Trace po and cpy.	N507955		71	73	2.0	0.008	0.01	0.023		0.3		910	128	>10000	0.15		TB13171785
			88.53-90.27m. gradational into this unit. White rock is coarse grained and pl-rich. Cpx and ol are	0.5% to 1% disse	minated sulphides	N507956		73	75	2.0	0.013	0.015	0.035		0.3		1070	149	>10000	0.18		TB13171785
			minor and coarse grained. Locally subophitic. Wormy mag is interstitial to pl. Pl is partially albitized.		78-79m. 0.5-1% po, trace cpy.	N507957		75	77	2.0	0.014	0.014	0.033		0.5		1900	171	>10000	0.27		TB13171785
		2a -	Fine grained homogeneous gabbro	Trace to 0.5% dis	seminated sulphides	N507958		77	79	2.0	0.021	0.019	0.055		0.7		2490	222	>10000	0.35		TB13171785
			92.19-92.75m. Sharp contact with 3g. Grey rock is composed of fine grained pl and cpx.		79-87m. Trace cpy and po.	N507959		79	81	2.0	0.012	0.01	0.027		0.4		1220	184	>10000	0.19		TB13171785
				0.5% to 1% disse	minated sulphides	N507960	b				0.001	<0.005	0.001		<0.2		4	<1	70	0.02		TB13171785
					87-88.53m. 0.5% cpy, trace po.	N507961	]	81	83	2.0	0.018	0.008	0.025		0.4		1340	139	>10000	0.2		TB13171785
				I race to 0.5% dis	seminated sulphides	N507962		83	85	2.0	0.014	0.009	U.019		0.3		1040	145	>10000	0.14		IB13171785
					[88.53-94.27 m. 0.5% cpy, 0.5% po (po:cpy=1:1).	N507963		85	87	2.0	0.027	0.021	0.023		0.6		1400	188	8690	0.18		IB13171785
94.27	99.18	30 - Coarse grained	i, opnitic gabbro (>5mm)	race to 0.5% dis		N507964		87	89	2.0	0.053	0.034	0.062		1.2		2280	236	5810	0.26		тв13171785
		<u>├</u> ───	gradational into this unit. Homogeneous. Obviously ophitic. Weak to moderate chl alteration.	+	94.27-99.18m. Trace po and cpy.	N507965		89	91	2.0	0.033	0.027	0.042		0.8		1115	120	6790	0.15		IB13171785
			cpx is partially replaced by chl.	-		N507966		91	93	2.0	0.042	0.038	0.132		1.7		3650	242	4790	0.41		IB13171785
		3d -	very coarse grained to pegmatitic, opnitic gabbro			N507967	]	93	95	2.0	0.084	0.052	0.2		2		3/60	310	4390	0.54		TD40474705
		1	97.92-96. 14m. Gradational into this unit. Strong chi alteration. Pl is partially replaced by kts and	1	1	N507968	1	95	97	2.0	0.007	0.026	0.086		0.3	1	485	110	550	0.09		10131/1/85

	GEOLOGY				Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh TPGM	Ag	Cu	Cu	Ni	Р	s	C Job
From	Mai Rock	maj rock	Yo OZ Comments		Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm ppm	ppm	%	ppm	ppm	ppm	%	% #
			possibly hematite.			N507969		97	99	2.0	0.005	0.011	0.027		0.2		239	99	1670	0.05	TB13171785
99.18 1	14.12 4a - MS	S hosted I	preccia with Fine Grained gabbro xenoliths Trace to 0	0.5% diss	eminated sulphides	N507970		99	101	2.0	0.03	0.033	0.114		0.9		1380	245	3510	0.19	TB13171785
			The MS series is represented by 3g and 3b. 3g and 3b are patchy and intertwined. 2a and possibly		99.18-114.12m. Trace to 0.5% cpy, trace po.	N507971		101	103	2.0	0.02	0.082	0.121		0.9		1420	176	3220	0.19	TB13171785
			2k are present as xenoliths. 3g and 3b are patchy and commonly intertwined with each other.			N507972		103	105	2.0	0.029	0.032	0.133		1.4		2310	226	3230	0.35	TB13171785
			moderate to strong chl alteration. Rock is cross cut by chl-filled fractures.			N507973		105	107	2.0	0.07	0.151	0.539		1.6		3140	302	4210	0.43	TB13171785
		2	k - Medium grained homogeneous gabbro			N507974		107	109	2.0	0.066	0.075	0.386		0.9		1555	194	2360	0.18	TB13171785
			99.18-100.09m. Sharp contact with 3b above. Likely 2k. Composed of med to coarse grained cpx			N507975	mpg1				0.25	0.95	3.31		3.3		6760	369	1350	1.12	TB13171785
			with interstital pl. cpx is subrounded.			N507976		109	111	2.0	0.031	0.052	0.11		1.6		2980	240	1660	0.37	TB13171785
		2	a - Fine grained nomogeneous gaboro			N507977		111	113	2.0	0.044	0.05	0.127		1.1		1885	294	3770	0.28	TB13171785
			113 75-113 9m. Sharp contact with the MS series			N507979		115	117	2.0	0.023	0.023	0.000		0.0		562	271	810	0.12	TB13171785
114.12 1	18.08 2a - Fin	ne arainea	homogeneous gabbro Trace to 0	0.5% diss	eminated sulphides	N507980		117	119	2.0	0.066	0.054	0.146		1.6		2680	265	2660	0.34	TB13171785
			sharp contact with 4a. Same as 2a above. Rock has small-scale irregular patches of the MS units.		114.12-118.08m. Overall, trace po and cpy. Po and cpy are	N507981		119	121	2.0	0.11	0.065	0.189		2.2		4570	311	5460	0.51	TB13171785
					restricted to the MS patches.	N507982		121	123	2.0	0.056	0.084	0.293		1.1		2140	156	4610	0.32	TB13171785
118.08 12	24.00 3g - Me	edium to d	coarse grained oxide melatroctolite 2-3% diss	seminated	sulphides	N507983		123	125	2.0	0.029	0.032	0.093		1.3		2030	226	5460	0.36	TB13171785
			sharp contact with 2a above. Heterogeneous. Rock shows great varation in pl content. Locally		2% cpy, no po. Coarse grained Bo rarely occur in the mixing	N507984		125	127	2.0	0.052	0.025	0.068		0.7		1035	253	2570	0.2	TB13171785
			mixture of 3g and 3b.		zone of 3g and 3b.	N507985		127	129	2.0	0.059	0.055	0.155		1.1		1780	418	2370	0.29	TB13171785
124.00 1	38.67 2d - Fin	ne graineo	gabbro with MS intrusions Trace to 0	0.5% diss	eminated sulphides	N507986		129	131	2.0	0.026	0.037	0.124		0.7		1440	233	1180	0.2	TB13171785
			The interval is dominated by the Fine Grained Series (mainly 2a). The MS series is represented by		124-138.67m. Overall, trace cpy and po. But in 3g and 3b up to	N507987		131	133	2.0	0.038	0.028	0.021		0.6		833	302	2810	0.11	TB13171785
			3b, 3d and 3g. Very heterogeneous rock. 1a is present as xenolith and the contact between 1a		2% cpy, 1% po.	N507988		133	135	2.0	0.114	0.028	0.088		1.3		2820	359	2070	0.49	TB13171785
			and 2a is not distinctly sharp. 2a in this interval is different from the typical fine grained 2a in terms 2-3% diss	seminated	sulphides	N507989		135	137	2.0	0.118	0.106	0.189		2		3250	459	2210	0.41	TB13171785
			of grain size and ol content. In this interval, 2a is relatively med grained and shows more ol.		133.04-133.5m. 2% cpy, 1% po (po:cpy=1:2).	N507990	d	135	137	2.0	0.102	0.079	0.159		2		2990	413	2170	0.36	TB13171785
			136.7-136.67m. 2a shows pervasive chl alteration. Cpx is almost completely replaced by chl and			N507991		137	139	2.0	0.026	0.033	0.072		0.6		859	915	1840	0.11	TB13171785
			possibly serpentine.			N507992		139	141	2.0	0.43	0.083	0.141		2.2		3890	367	3270	0.43	TB13171785
		3	g - Medium to coarse grained oxide melatroctolite			N507993		141	143	2.0	0.197	0.114	0.184		2.8		6030	437	4540	0.6	TB13171785
			125.7-126.06m, 126.6-127.62m, 131.39-132.05m, 133.04-133.5m, 135.7-136.7m. Sharp contact			N507994		143	145	2.0	0.259	0.149	0.219		4.1		7570	489	4390	0.77	TB13171785
			with 2a. Locally mixed with 3b or 3d. Very heterogeneous. Bt appears to replace cpx.			N507995		145	147	2.0	0.187	0.175	0.17		2.5		4590	389	4380	0.55	IB13171785
		3	d - Very coarse grained to pegmatitic, ophitic gabbro			N507996		147	149	2.0	0.113	0.058	0.082		1.8		3720	347	2700	0.88	TB13171785
			128.03-129.2111. Heterogeneous. Suboprinic. Cpx is partially replaced by chi and co.			N507997		149	151	2.0	0.164	0.041	0.021		0.7		3260	121	+10000	0.0	TP10171705
		3	130-130 86m. Sharp contact with 2a. Subonhitic. Moderate chl alteration. Cox is replaced by chl			N507999		153	155	2.0	0.040	0.017	0.021		0.7		570	77	>10000	0.22	TB13171785
		1	a - Footwall rheomorphic infrusive breccia			N508000		155	157	2.0	0.015	0.005	0.002		0.4		537	69	>10000	0.08	TB13171785
			134.68-135.39m. Felsic and heterogeneous.			N508001		157	159	2.0	0.012	< 0.005	0.001		0.4		650	59	>10000	0.00	TB13171785
138.67 14	47.24 3g - Me	edium to d	coarse grained oxide melatroctolite 3-5% diss	seminated	sulphides	N508002		159	161	2.0	0.008	< 0.005	0.001		0.4		660	51	>10000	0.11	TB13171785
			sharp contact with 2d above. Heterogeneous rock is mag-rich and shows great variation in pl		138.67-147.24m. 3-4% cpy, trace po (po:cpy=1:10).	N508003		161	163	2.0	0.024	0.008	0.034		0.8		1325	58	>10000	0.23	TB13171785
			and ol contents. Locally grades into mixture zone between 3d and 3g.			N508004		163	165	2.0	0.006	< 0.005	0.003		0.6		1095	46	8410	0.19	TB13171785
			145.25-147.24m. Mixture between 3d and 3g. Locally pegmatitic but still Mag-dominated.			N508005	b				0.001	< 0.005	0.001		<0.2		4	<1	60	0.01	TB13171785
		5	a - Quartz syenite			N508006		165	167	2.0	0.004	<0.005	0.004		0.6		1200	49	6380	0.18	TB13171785
			139.16-139.62m. Sharp contact with 3g. Composed of coarse grained kfs, bt and quartz. Kfs is			N508007		167	169	2.0	0.003	<0.005	0.003		0.5		972	38	7420	0.23	TB13171785
L			completely replaced by an unknown green mineral (epdiote?). Oval 3g xenolith is present. The			N508008		169	171	2.0	0.002	<0.005	0.002		0.2		425	25	9840	0.21	TB13171785
<b>├</b> ──			boundary of the 3g xenolith in the syenite is mantled by fine grained bt.			N508009		171	173	2.0	0.003	<0.005	0.001		0.2		384	22	>10000	0.18	TB13171785
147.24 1	52.53 3b - Co	arse grai	ned, ophitic gabbro (>5mm)	bs to 1-2%	6 sulphides	N508010		173	175	2.0	0.002	<0.005	0.002		0.2		354	26	>10000	0.16	TB13171785
<b>├</b> ──┼─			gradational into this unit. Heterogeneous rock shows variation in grain size and locally grades to		147.24-150.04m. Po:cpy=4:1.	N508011		175	177	2.0	0.003	<0.005	0.003		0.3		509	52	7800	0.23	TB13171785
$\vdash$			3d. Uphitic to subophitic. Moderate chl alteration. Cpx is partially replaced by chl. Trace to 0	0.5% diss	eminated sulphides	K008798		2.96	9	6.0										0.06	0.23 TB13165143
			I DU-IDZ.DJM. grain size decreases.		100.04-102.53m. Trace to 0.5% cpy, trace po.	K008799		177	186	9.0										0.3	0.11 IB13165143
		3	d - very coarse grained to pegmatitic, ophitic gaboro			K008800		186	191	5.0										0.18	0.11 IB13165143
		5	147.24*146.0m. Gradatioanal with 50. Fegmanic and ophilic, way content varies in the rock.			K000001		191	190	7.0										0.10	0.15 1813103143
			166 1.166 42m 158-158 07m 160 54-161 25m 162-162 15m Svenite stringers cross cut 3h			1															
162.53 1	37.16 2a - Fin	ne grained	homogeneous gabbro	0.5% diss	eminated sulphides	1															
		g	sharp contact with 3b. Heterogeneous. Rock is cross cut by 3a and svenite dikelets.	210 2100	162.53-187.16m. Trace sulfides.	1															
			162.53-168.79m. The rock is likely mixture of 2a and 3a though 2a dominates. These two units are			1															
			patchy.			]															
			178-184m. Rock is highly fractured.			]															
		3	a - Medium grained, ophitic gabbro (<5mm)																		
			173.6-174.37m. Sharp contact with 2a. Heterogeneous rock shows subophitic texture.composed																		
			of med grained pl, cpx and mag. Anhedral mag is interstitial to pl.			1															
<b>⊢</b>			182.9-183.45m. 3a is cross cut by a syenite stringer roughly parallel to the core axis.			4															
			186.07-187.15m. Similar to 3a above but shows strong Ab alteration. Pl is completely replaced by			]		1	l	l			I	1		1					

	GEOLO	GY				Mineralization	SAMPLE		INTERVAL		WIDTH	Au Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	#
				fine grained pink albite.																			
			5a - Quartz sye	nite																			
				175.43-175.69m, 182.4-183.45m. Sharp contact with 2a and 3a. Composed med grained kfs and																			
197.16	105.60	1a Eastwall	rhoomorphic intru	qtz. Kfs is altered to ep or chl (?).	Trace to 0 E% dia	cominated autobides																	
107.10	195.09	Ta = FOOLWall	meomorphic mad	sharo contact with the above unit. Felsic rock is heterogeneous and highly fractured. Cross cut by	11ace to 0.5% uis	187.16-195.69m, Trace sulfides.																	
				1b, 5a and 6a.																			
			5a - Quartz sye	nite																			
				189.57-190m. Composed of coarse grained kfs and qtz.kfs is completely replaced by ep or chl (?).																			
			1b - Archean gr	ranitoids																			
				191.93-192.12m, 193.68-194.62m, 194.66-195m. Sharp contact with 1a and 6a. Felsic.																			
			6a Anhanitia te	Equigranular. Strongly albitized (?).																			
			oa - Apriantac a	192.12-193.68m, 194.62-194.66m, Sharo contact with 1b, Red brown rock is aphanitic and reddish																			
				color is like due to hematite alteration.																			
195.69	198.00	6a - Aphanitic	to fine grained g	abbro dikes (youngest)	Trace to 0.5% dis	seminated sulphides																	
				sharp contact with 1a. Dark grey rock is aphanitic and moderately fractured.		195.69-198m. Trace sulfides.																	
			1b - Archean gr	ranitoids																			
-				197.5-198m. Could be 1b or 5a. Highly silicifed. Primary mafic minerals are altered to chl and ep (?)																			
	108.00	EOH End of	Holo	the rock is mag-rich (15% mag).																			
	198.00	EOH - ENU U	Hule																				
I			+ +																				
<u> </u>			+ +																				
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			STILLWATER CANADA INC DIAMOND DRILL CORE LOG					
NTS:		42 D / 16		DDH:	<u>RS-13-08</u>	DIAMOND DRIL	L CORE L	.OG
UTM	Northing	5414208		Lease/Claim:	4207857	Reflex EZ Shot-	Diamond	Drillhole Survey
(Nad27)	Easting	535358.8		Property:	Coldwell Complex	Depth	Dip	Azimuth
Elevation	n (m):	360.7		Zone:	Redstone	Casing	-79.52	336.29
Dip at Co	ollar:	-79.52		Date start:	21-Aug-13			
Azimuth:		336.29		Date finish:	23-Aug-13			
Total De	pth:	306		Contractor:	Chibougamau Diamond Drilling			
Core Size	e:	NQ		Logged by:	Yonggang Feng			
Remarks	:	Core stored	I in Stillwater Canada Inc. warehouse, Marathon, Ontario	Assistant:	Yonggang Feng, Julien Meric, Renata Smoke	complete downhole s	survey in Sall	y Lake masterlist

	GEOL	.OGY			Mineralization	SAMPLE	INTE	RVAL		WIDTH	Au	Pt	Pd Rh	TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	X or E W Comments	Minerali	Comments	NO.	QC FR	ом	то		ppm p	pm	ppm ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	#
0.00	1.62	OB - Overbur	urden			N508012		7	9	2.0	0.003 0	006	0.006		<0.2		64	4	1090	0.03		TB13174747
1.62	9.10	2g - Gabbroic	ic anorthosite	Trace to	0.5% disseminated sulphides	N508013		9	11	2.0	0.001 <0	.005	<0.001		<0.2		140	1	4910	0.11		TB13174747
			white homogeneous rock is dominated by coarse grained pl with lesser mafic minerals.	Mafic	1.6-9.1m. no visible sulfides.	N508014		11	13	2.0	0.001 <0	.005	0.001		<0.2		184	2	7190	0.15	·	TB13174747
			minerals are fine grained, including cpx, bt and mag. Pl is partially sericitized. Cross cut	by a few		N508015		13	15	2.0	0.001 <0	.005	<0.001		<0.2		180	3	7600	0.16	-	TB13174747
			syenite dikelets.			N508016		15	17	2.0	0.001 <0	.005	<0.001		<0.2		153	2	6210	0.23	·	TB13174747
			2a - Fine grained homogeneous gabbro			N508017		17	19	2.0	<0.001 <0	.005	<0.001		<0.2		115	<1	5190	0.26	·	TB13174747
			3-4.52m. Sharp contact with 2g. Homogeneous. Not typical 2a. Coarser grained than typ	pical 2a.		N508018		19	21	2.0	<0.001 <0	.005	0.001		<0.2		128	<1	4630	0.3	-	TB13174747
			no ophitic texture.			N508019		21	23	2.0	<0.001 <0	.005	0.001		<0.2		245	2	8940	0.31	-	TB13174747
9.10	31.65	3b - Coarse g	grained, ophitic gabbro (>5mm)	Trace to	0.5% disseminated sulphides	N508020	mpg2				0.091 0	.26	0.71		0.8		2930	287	1710	1.16	-	TB13174747
			sharp contact with 2g. Composed of coarse grained pl and cpx with minor ol and mag. V	Vormy mag	9.1-31.65m. trace po and cpy.	N508021		23	25	2.0	<0.001 <0	.005	<0.001		<0.2		362	3	>10000	0.21	-	TB13174747
			is interstitial to pl. ophitic to subophitic. Bt is likely secondary and replacing cpx and ol. N	loderate		N508022		25	27	2.0	<0.001 <0	.005	<0.001		<0.2		350	5	>10000	0.2	-	TB13174747
			chl alteration. Locally strong albitization. 3b is locally gradational into 3g. 2g occurs as xe	nolith.		N508023		27	29	2.0	0.001 <0	.005	0.002		<0.2		210	5	8910	0.12	-	TB13174747
			16.6-21.5m, 29.76-30.34m. Rock is strongly albitized. Pl is almost completely replaced l	by Ab.		N508024		29	31	2.0	0.003 <0	.005	0.004		<0.2		252	3	8690	0.13	-	TB13174747
			5b - Augite syenite			N508025		31	33	2.0	<0.001 <0	.005	<0.001		<0.2		386	4	>10000	0.2	-	TB13174747
			9.1-9.92m. Pink rock could be altered version of 3b. Subophitic. Pink feldspar could be a	albitized pl.		N508026		33	35	2.0	0.006 <0	.005	<0.001		<0.2		409	5	>10000	0.2	-	TB13174747
			no sharp contact with 3b below.			N508027		35	37	2.0	0.001 <0	.005	0.002		<0.2		853	6	>10000	0.4	-	TB13174747
			3g - Medium to coarse grained oxide melatroctolite			N508028		37	39	2.0	<0.001 <0	.005	<0.001		<0.2		459	4	>10000	0.18	-	TB13174747
			14.44-15m, 22.83-23.14m, 27.56-27.82m, 30.34-30.7m. Gradational with 3b. Dark rock	is		N508029		39	41	2.0	<0.001 <0	.005	<0.001		<0.2		476	8	>10000	0.21	-	TB13174747
			dominated by med grained ol and mag (25-30%). Bt appears to be secondary and repla	acing cpx		N508030		41	43	2.0	<0.001 <0	.005	<0.001		<0.2		455	6	>10000	0.19	-	TB13174747
			and ol.			N508031		43	45	2.0	<0.001 <0	.005	<0.001		<0.2		518	9	>10000	0.21	-	TB13174747
			2g - Gabbroic anorthosite			N508032		45	47	2.0	0.001 <0	.005	<0.001		<0.2		168	4	7660	0.11	-	TB13174747
			27.92-29.76m. Sharp contact with 3b. Same as 3g above.			N508033		47	49	2.0	0.001 <0	.005	<0.001		<0.2		67	1	630	0.08	-	TB13174747
31.65	45.40	3g - Medium t	to coarse grained oxide melatroctolite	Trace to	0.5% disseminated sulphides	N508034		49	51	2.0	0.001 <0	.005	<0.001		<0.2		24	<1	600	0.03	-	TB13174747
			gradational into this unit. Local mixture of 3b and 3g. Heterogeneous and shows variation	n in mag	31.65-45.4m. trace po, no visible cpy.	N508035	d	49	51	2.0	0.001 <0	.005	<0.001		<0.2		24	<1	620	0.03		TB13174747
			and pl contents. 3% fine grained disseminated Ap.	0.5% to 1	1% disseminated sulphides	N508036		51	53	2.0	0.001 <0	.005	<0.001		<0.2		394	10	>10000	0.15		TB13174747
			37-41m. Likely mixture of 3g and 3b though 3g dominates this interval. 3g and 3b are pa	tchy and	35-35.52m. 0.5-1%po, no cpy.	N508037		53	55	2.0	0.001 <0	.005	0.001		0.2		543	14	>10000	0.19	1	FB13174747
			intertwined.			N508038		55	57	2.0	0.001 <0	.005	<0.001		0.3		536	12	>10000	0.21	1	FB13174747
			3b - Coarse grained, ophitic gabbro (>5mm)			N508039		57	59	2.0	<0.001 <0	.005 •	<0.001		0.3		524	17	>10000	0.17	1	FB13174747
			35.52-36.32m. gradational with 3g. Ophitic to subophitic. Strongly albitized.Pl is also part	ally		N508040		59	61	2.0	0.001 <0	.005 •	<0.001		0.2		691	32	>10000	0.2	1	FB13174747
			replaced by hematite.			N508041		61	63	2.0	0.002 <0	.005	0.001		0.6		1250	55	>10000	0.33		TB13174747
45.40	51.47	5a - Quartz sy	syenite	I race to	0.5% disseminated sulphides	N508042		63	65	2.0	0.001 <0	.005	0.001		0.4		642	41	>10000	0.17		TB13174747
			snarp contact with 3g. Has several 2a xenoliths.very silicious rock is composed of coarse	1	45.4-51.4/m. trace suitides.	N508043		65	67	2.0	0.002 <0	.005	0.001		0.3		524	33	>10000	0.17		TB131/4/4/
			grained Kits, qtz and amp (?). Kits is completely replaced by a green mineral (epidote?).			N508044		67	69	2.0	0.003 <0	005	0.001		0.4		755	55	>10000	0.16		TD40474747
			2a - Fine grained nonogeneous gaboro	- d		N508045		09	70	2.0	0.006 0	000	0.012		0.5		979	109	>10000	0.22		TD40474747
			40.24-47.5m, 47.02-47.7m, 49.16-50.5m. Homogeneous. Composed of the grained prain	id cpx.		1500040		70	73	2.0	0.012 0	011	0.06		0.6		1410	220	>10000	0.34		TD13174747
E1 47	69.72	2a Madium t	Coarser grained than typical 2a. Pervasive albitization. Rock shows pinkish color when w	J.	0.5% discominated subhides	N500047		75	75	2.0	0.005 0	007	0.024		<0.2		290	202	5000	0.05		TD13174747
51.47	06.73	Sg - Meulum t	abara contact. Some as 2g above. Vary betarageneous. Least mixture of 2b and 2g. Cree	in out by	E1 47 69 72m trace sulfides	NE09040		77	70	2.0	0.005 0	008	0.023		<0.2		219	194	2800	0.05		TD13174747
			5a and 6a 55% fine grained An disseminate thoughout this interval	is out by	51.47-00.73m. trace sumes.	N508050	ь		19	2.0	0.000 0	005	0.001		<0.2		210	104	2090	0.03		TB13174747
			52 and 6a. 55% line grained Ap disseminate modglout this interval.			NE090E1	5	70	01	2.0	0.000	008	0.001		<0.2		202	150	40	0.01		TD13174747
			61-63m. Rock is cross cut by many chistringers			N508052		81	83	2.0	0.000 0	008	0.024		<0.2 0.4		916	141	>10000	0.15		TB13174747
			3f - Coarse grained, onhitic gabbro with planicolase flow alignment			N508053		83	85	2.0	0.009 0	011	0.017		0.3		769	117	>10000	0.16		TB13174747
			55 3-55 46m. Likely 3f. Gradational with 3n. Characterized by oriented coarse grained nl	laths.		N508054		85	87	2.0	0.003 0	017	0.016		<0.2		141	43	6970	0.06		TB13174747
			likely flow texture.			N508055		87	89	2.0	0.002 0	015	0.013		<0.2		109	52	5450	0.04		TB13174747
			5a - Quartz svenite			N508056		89	91	2.0	0.008 0	006	0.01		0.4		568	77	>10000	0.47		TB13174747
			58 13-58 33m, 63 62-64 16m, Same as 5a above. Sharp contact with 3n. Stronoly altere	d.		N508057		91	93	2.0	0.022 0	008	0.018		0.5		1235	130	>10000	0.52		TB13174747
			3d - Very coarse grained to pegmatitic, ophitic gabbro			N508058		93	95	2.0	0.009 <0	.005	0.001		0.3		633	118	>10000	0.23		TB13174747

	GEOLO	OGY	Mineralization Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM Ag	Cu	Cu	Ni	Р	S	с	Job
From	То	Maj Rock	Yo     Yo       UW     Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm	ppm ppm	%	ppm	ppm	ppm	%	%	#
			67.58-68.15m. Gradational into this unit. Subophilic. Strongly altered. Cpx is completely replaced	N508059		95	97	2.0	0.01	< 0.005	0.001		0.3		665	118	>10000	0.13	I	TB13174747
			by chl.	N508060		97	99	2.0	0.006	<0.005	<0.001		0.2		542	76	>10000	0.08		TB13174747
			6a - Aphanitic to fine grained gabbro dikes (youngest)	N508061		99	101	2.0	0.008	0.008	0.034		0.3		734	104	>10000	0.11		TB13174747
			65.6-66.55m. Sharp contact with 3g. Aphanitic rock shows reddish color likely due to hematite	N508062		101	103	2.0	0.02	0.011	0.03		0.3		1005	161	>10000	0.14		TB13174747
C0 70	co 22	CZ fault as a	alteration	N508063		103	105	2.0	0.077	0.054	0.16		1.1		2780	272	5030	0.3		TB13174747
00.73	69.33	PZ - Tault of SI	ter Zulle  The rock in the E7 is 30. Devraeive childrention	N508065	mpg1	105	107	2.0	0.065	0.046	3.11		1.4		2910	207	4310	1.07		TB13174747
69.33	70.84	3a - Medium t	carse graned wide metarcolite Trace to 0.5% disseminated subhides	N508066	mpgr	107	109	2.0	0.039	0.036	0.132		1.6		3750	275	3610	0.45		TB13174747
			same as above. 2a is present as xenolith. trace sulfides.	N508067		109	111	2.0	0.064	0.03	0.152		1.3		3440	245	4190	0.7	1	TB13174747
			2a - Fine grained homogeneous gabbro	N508068		111	113	2.0	0.057	0.049	0.232		2.1		4920	285	2220	0.9		TB13174747
			70.72-70.84m. Sharp contact with 3g.	N508069		113	115	2.0	0.075	0.048	0.16		1.3		2760	272	3880	0.37	1	TB13174747
70.84	71.08	FZ - fault or sl	ear zone	N508070		115	117	2.0	0.089	0.037	0.132		1.3		2840	328	3100	0.34		TB13174747
			The rock in the FZ is likely 2a. Highly fractured and altered.	N508071		117	119	2.0	0.034	0.034	0.089		0.6		1690	280	1740	0.31	1	TB13174747
71.08	82.63	2d - Fine grain	ad gabbro with MS intrusions Trace to 0.5% disseminated sulphides	N508072		119	121	2.0	0.033	0.019	0.058		0.7		1530	160	4600	0.28	1	TB13174747
			The interval is dominated by 2a (and possibly 2k), the MS series is represented by, 3b, 3d and 3g. [71.08-82.63m. Overall, trace sulfides.	N508073		121	123	2.0	0.009	< 0.005	0.014		0.2		901	109	6070	0.18	1	TB13174747
			2 as is coarser grained than the typical time grained 2a and some part of 2a in this interval may be 2-3% disseminated supprises	N508074		123	125	2.0	0.032	0.019	0.072		0.5		1220	113	8470	0.22	1	TD40474747
			ZK IIStead. // L30-/ L60/ mixture between 2a and the MS series // L30-/ L60/ L30-/ L30-/ L60/ L30-/ L30-/ L60/ L30-/ L	N508076		125	127	2.0	0.088	0.077	0.136		0.8		1200	202	8280	0.4	1	TB13174747
			/ J.90* / JOIL: DIRECTATED TOX: Likely instante deriverent za and nie wid series.	N508077		127	125	2.0	0.02	0.038	0.008		0.9		2040	160	8760	0.24		TB13174747
			7 - You Caraba gramma to pognamic, spanic galance	N508078		123	133	2.0	0.13	0.169	0.175		0.9		2010	263	3300	0.32		TB13174747
			mixture of 3d and 3q. Strong chi alteration. Pl is partially abilitized.	N508079		133	135	2.0	0.162	0.345	0.492		0.9		1690	326	2940	0.2	1	TB13174747
			3g - Medium to coarse grained oxide melatroctolite	N508080	d	133	135	2.0	0.171	0.332	0.525		0.8		1710	336	3030	0.21	1	TB13174747
			72.66-73.13m, 82-82.63m. Sharp contact with 2a.dominated by med to coarse grained mag, cpx	N508081		135	137	2.0	0.174	0.407	0.699		0.9		1940	389	2360	0.19	1	TB13174747
			and pl with minor ol. 5-10% fine grained Ap disseminated through this unit.cpx is partially to	N508082		137	139	2.0	0.043	0.055	0.133		0.3		513	476	1380	0.06	1	TB13174747
			completely replaced by chl.	N508083		139	141	2.0	0.102	0.312	0.805		0.7		1340	243	2540	0.13	1	TB13174747
			3b - Coarse grained, ophitic gabbro (>5mm)	N508084		141	143	2.0	0.089	0.168	0.602		0.5		1360	253	4370	0.13	1	TB13174747
			81.6-82m. Sharp contact with 2a. Heterogeneous. Subophitic. Strong albitization.	N508085		143	145	2.0	0.111	0.181	0.745		0.3		836	323	4110	0.1		TB13174747
82.63	89.24	6a - Aphanitic	o fine grained gabbro dikes (youngest) Trace to 0.5% disseminated sulphides	N508086		145	147	2.0	0.041	0.08	0.311		0.2		501	323	2690	0.05	1	TB13174747
			sharp contact with 2d. 3g and 3b are present as xenolith. Dark aphanitic rock is cross cut by many 82.63-89.24m. Overall, trace sulfides. But in 3b, 1-2% cpy.	N508087		147	149	2.0	0.029	0.012	0.025		0.2		597	82	>10000	80.0	1	TB13174747
			Cossengined onbits nativa (-Smar)	N508088		149	151	2.0	0.017	<0.005	0.002		0.2		545 654	76	>10000	0.07		TB13174747
			Or - Oraze glannet, younny good younny good younny of the second se	N508090		153	155	2.0	0.012	<0.005	0.001		0.3		617	65	>10000	0.00	1	TB13174747
			3a - Medium to crasse grained oxide melatoration	N508091		155	157	2.0	0.01	< 0.005	0.003		0.2		637	58	>10000	0.08	1	TB13174747
			83.24-84m, 84.09-85.32m. Sharp contact with 6a. Dominated by med grained mag and ap.	N508092		157	159	2.0	0.006	< 0.005	<0.001		0.2		553	50	>10000	0.07		TB13174747
			70% mag, 20% ap, 5% bt and 5% chl. Cpx and ol are completely replaced by chl and bt.	N508093		159	161	2.0	0.007	< 0.005	0.001		0.2		556	46	>10000	0.07	1	TB13174747
89.24	94.29	FZ - fault or sl	ear zone	N508094		161	163	2.0	0.039	0.07	0.086		0.3		759	69	>10000	0.09		TB13174747
			the rock in the FZ includes 6a (at the beginning of this interval) , 3g and 3b.3b dominates this	N508095	b				<0.001	<0.005	<0.001		<0.2		5	1	70	<0.01	1	TB13174747
			interval. 3b is highly fractured rock shows pervasive chl alteration and albitizaiton. Locally 3b grades	N508096		163	165	2.0	0.041	0.044	0.051		0.3		779	64	8730	0.1	1	TB13174747
			into 3g	N508097		165	167	2.0	0.026	0.027	0.027		0.2		579	54	>10000	0.09		TB13174747
			6a - Aphanitic to fine grained gabbro dikes (youngest)	N508098		167	169	2.0	0.031	0.029	0.041		0.4		855	60	>10000	0.14	1	TB13174747
-			ps.24-95,0m. Same as previous. Sharp contact with 30.	N508099		109	171	2.0	0.024	0.022	0.022		0.3		020	51	>10000	0.14	1	TD13174747
			9g * Wedulin to Coase grained owce inealiot.come 90 6-90 9m. Gradational into this unit from 3b. Dominated by man and an. Same as 3n above.	N508100		173	175	2.0	0.061	0.146	0.505		<0.2 0.3		682	171	5260	0.08		TB13174747
94.29	97.46	3b - Coarse o	ined cohiri cabino (s5mm) Trace to 0.5% disseminated subhides	N508102		175	177	2.0	0.084	0.237	0.66		0.4		757	208	2610	0.07	1	TB13174747
			strong chi alteration. Moderate Ab alteration. Subophitic.likely the continuation of 3b above. 94.29-97.46m. trace sulfides.	N508103		177	179	2.0	0.057	0.144	0.432		0.3		585	142	3220	0.06		TB13174747
			2-3% fine to med grained Ap disseminated through the interval. Cpx is partially to completely	N508104		179	181	2.0	0.048	0.107	0.343		0.2		477	239	3140	0.05	1	TB13174747
			replaced by chl.	N508105		181	183	2.0	0.072	0.142	0.517		0.3		642	366	2050	0.06	1	TB13174747
97.46	98.00	FZ - fault or sl	ear zone	N508106		183	185	2.0	0.079	0.3	0.698		0.4		590	294	2500	0.06		TB13174747
			The rock in the FZ is the continuation of 3b above. Pervasive chl alteration.	N508107		185	187	2.0	0.044	0.069	0.186		0.3		618	114	7180	0.09	1	TB13174747
98.00	99.96	3b - Coarse g	ained, ophitic gabbro (>5mm) Trace to 0.5% disseminated sulphides	N508108		187	189	2.0	0.07	0.101	0.249		0.3		565	128	4580	0.07		TB13174747
<b>H</b>			continuation of the 3b above. Moderately fractured. Grades into 3g at the end of this interval. 98-99.96m. Trace sulfides.	N508109		189	191	2.0	0.075	0.142	0.353		0.4		643	170	3630	0.09		TB13174747
99.96	100.30	FZ - fault or s	ear zone	N508110	mpg2		400		0.101	0.173	0.832		1.2		2930	291	1740	1.2		IB13174747
100.20	110.07	2a Madium t	Ine rock in the Fz is 3g, rervasive cni alteration.	N508111		191	193	2.0	0.041	0.09	0.284		0.2		534	158	4230	0.08		TB13174747
100.30	110.07	og - weuldfi t	Coalise gran no wave instantionality subjects instantion states and new herease and the second states and the	N508112		195	195	2.0	0.007	0.028	0.133		0.2		387	65	3850	0.0		TB13174747
			content. Locally gradational to 3d.	N508114		197	199	2.0	0.029	0.035	0.115		0.3		720	88	9410	0.13	 	TB13174747
			3d - Very coarse grained to pegmatitic, ophitic gabbro	N508115		199	201	2.0	0.063	0.09	0.198		0.6		1385	106	8000	0.19		TB13174747
	-		106.73-107.2m. Subophitic. Rock is composed of very coarse grained cpx and pl. moderate chl	N508116		201	203	2.0	0.149	0.124	0.405		0.9		1575	195	3630	0.2		TB13174747
			and ab alteration.	N508117		203	205	2.0	0.078	0.14	0.528		1.1		2150	227	2550	0.27	, I	TB13174747

	GEOLO	DGY		Mineralization	SAMPLE	I	NTERVAL		WIDTH	Au	Pt	Pd	Rh TP	M Ag	Cu	Cu	Ni	Р	S	C Job
From	То	Maj Rock Min Rock	Comments	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm pp	n ppm	%	ppm	ppm	ppm	%	% #
		3a - Medium o	rained, ophitic gabbro (<5mm)		N508118		205	207	2.0	0.036	0.049	0.102		0.5		1045	114	>10000	0.18	TB13174747
			107.2-107.48m.abrupt into this unit from 3d. Heterogeneous. Subophitic. Wormy mag is interstitial		N508119		207	209	2.0	0.055	0.061	0.172		0.3		785	101	3270	0.12	TB13174747
			to pl.		N508120		209	211	2.0	0.035	0.051	0.105		0.2		629	88	4620	0.1	TB13174747
110.07	129.35	4a - MS hosted breccia with I	ine Grained gabbro xenoliths 0.5% to 1% di	isseminated sulphides	N508121		211	213	2.0	0.025	0.029	0.044		<0.2		389	67	4550	0.05	TB13174747
			The interval is dominated by the MS series (3b, 3g and 3d). 2a as xenolith. 3b, 3g and 3d form	110.07-129.35m. overall, 0.5% sulfides. But in the MS unit, 1%	N508122		213	215	2.0	0.034	0.037	0.081		0.2		498	79	4560	0.08	TB13174747
			mixture zones. The MS units show pervasive chl. Cpx is partially to completely replaced by chl.	сру, 0.5-1% ро.	N508123		215	217	2.0	0.024	0.011	0.015		0.2		651	77	>10000	0.12	TB13174747
			locally pl is replaced by pink feldspar (ab or kfs?).		N508124		217	219	2.0	0.034	0.032	0.025		<0.2		495	73	8900	0.11	TB13174747
			118.09-118.94m. Mixture of 2a and the MS series. Very heterogeneous.	9	N508125	d	217	219	2.0	0.023	0.025	0.018		<0.2		438	67	9290	0.09	TB13174747
		2a - Fine grair	ed homogeneous gabbro		N508126		219	221	2.0	0.022	0.026	0.029		<0.2		576	70	>10000	0.08	TB13174747
			10.07-110.7m, 111.75-112.3m, 112.06-112.32m, 110.36-117.40m, 121.16-121.39m, 123.63-125.19m,		N506127		221	223	2.0	0.017	0.012	0.026		0.3		720	74	9690	0.14	TB13174747
129.35	132 15	3d - Very coarse grained to p	125.55*125.25m, 127.00*125.27m, 126.46*125.12m, 125.2*129.35m.	1-2% sulphides	N508129		225	225	2.0	0.018	0.016	0.043		0.2		884	74	9290	0.15	TB13174747
120.00	102.10	ou vory course granted to p	sharp contact with 2a in the above unit. Very beterogeneroous. The rock is mixture of 3d and 3g	129.35-132.15m. Po:cov=1:3.	N508130		227	229	2.0	0.009	0.011	0.027		0.5		1250	130	3760	0.18	TB13174747
			though 3d dominates the interval. Locally ophitic. 3g occurs as small-scale irregular patches in 3d.		N508131		229	231	2.0	0.049	0.033	0.128		0.5		1305	95	7870	0.23	TB13174747
			weak to moderate chl alteration. Cpx is partially replaced by chl.		N508132		231	233	2.0	0.02	0.028	0.106		0.4		1275	91	>10000	0.2	TB13174747
132.15	136.44	3g - Medium to coarse graine	d oxide melatroctolite 0.5% to 1% di	isseminated sulphides	N508133		233	235	2.0	0.009	0.011	0.022		<0.2		585	66	>10000	0.1	TB13174747
			gradational into this unit. Dark heterogeneuos rock is dominated by med grained mag cumulate.	132.15-136.44m. 0.5-1% cpy, trace po (po:cpy=1:3).	N508134		235	237	2.0	0.008	0.005	0.024		<0.2		584	64	>10000	0.13	TB13174747
			rock shows obvious variation in pl and cpx contents. Locally forms mixture zone between 3g and		N508135		237	239	2.0	0.013	0.008	0.04		0.2		831	63	>10000	0.2	TB13174747
			3d.		N508136		239	241	2.0	0.007	0.006	0.009		<0.2		452	45	>10000	0.12	TB13174747
136.44	147.49	3d - Very coarse grained to p	egmatitic, ophitic gabbro Trace to 0.5%	disseminated sulphides	N508137		241	243	2.0	0.007	<0.005	0.003		<0.2		406	50	>10000	0.11	TB13174747
			gradational into this unit. Heterogeneous. Similar to 3d from 129.35 to 132.15m. Locally forms	136.44-147.49m. Overall trace cpy and po. But in 3d and 3g,	N508138		243	245	2.0	0.016	0.026	0.143		0.2		612	84	7480	0.15	TB13174747
			mixture between 3d and 3g. Weak to moderate chl alteration.	0.5-1% cpy, trace to 0.5% po.	N508139		245	247	2.0	0.029	0.059	0.328		0.5		1010	155	2970	0.25	TB13174747
		2k - Medium g	rained homogeneous gabbro		N508140	b	0.47	040		0.001	<0.005	<0.001		<0.2		3	1	30	<0.01	TB13174747
			registed subbedral any with minor interatifial of the applitude texture present. The reak equild be a		N506141		247	249	2.0	0.007	0.017	0.011		0.2		262	142 51	2320	0.29	TB13174747
			grained subhedrai cox with minor interstitial pl. no opinio: texture present. The fock could be a		N508143		249	253	2.0	0.004	<0.005	0.186		0.3		910	127	3770	0.23	TB13174747
			by many chi-filled fractures that are 70-80 degrees to core axis.		N508144		253	255	2.0	0.01	0.022	0.103		0.3		687	156	880	0.2	TB13174747
		3g - Medium t	o coarse grained oxide melatroctolite		N508145		255	257	2.0	0.014	0.04	0.135		0.2		620	146	1040	0.23	TB13174747
			138-138.43m, 139.06-139.8m, 140.32-140.5m, 141.77-141.89m, 142.1-143.04m, 143.93-144.52m,		N508146		257	259	2.0	0.007	0.01	0.044		<0.2		411	115	2840	0.2	TB13174747
			145.77-146.16m. same as 3g above. Heterogeneous and shows great variation in cpx and pl		N508147		259	261	2.0	0.004	0.005	0.005		<0.2		228	77	3210	0.3	TB13174747
			contents. Locally pl-rich. Weak chl alteration.		N508148		261	263	2.0	0.008	0.01	0.011		<0.2		316	27	8230	0.1	TB13174747
		3a - Medium g	rained, ophitic gabbro (<5mm)		N508149		263	265	2.0	0.006	<0.005	0.005		<0.2		561	45	7640	0.15	TB13174747
			140.66-141.5m. Abrupt into this unit. Heterogeneous. Subophitic. Wormy mag is interstitial to pl.		N508150		274	276	2.0	0.025	0.099	0.272		0.3		733	164	1720	0.24	TB13174747
		Dr. Eine entit	weak chi alteration.		N508151		276	278	2.0	0.018	0.026	0.171		0.6		899	174	1480	0.3	TB13174747
		za - Fine grain	ed homogeneous gabbro		N506152		2/0	280	2.0	0.007	0.015	0.075		0.4		400	202	2800	0.5	TB13174747
			ress cut by several chl-filled fractures.		N508154		288	202	2.0	0.039	0.042	0.35		0.4		1255	202	3080	0.20	TB13174747
147.49	171.96	3b - Coarse grained, ophitic o	abbro (>5mm) Trace to 0.5%	disseminated sulphides	N508155	mpa1				0.276	0.905	3.75		3.1		6610	374	1290	1.05	TB13174747
			gradational into this unit. Overall homogeneous. Obviously ophitic. Moderate chl alteration. Cpx	147.49-168.7m. Trace cpy, no visible po.	N508156	. 5	290	292	2.0	0.033	0.045	0.261		0.3		1280	166	4380	0.25	TB13174747
			is partially replaced by chl. 2a occurs as both disctinct xenolith and small-scale irregular patches. 0.5% to 1% di	isseminated sulphides	N508157		292	294	2.0	0.019	0.023	0.077		0.2		1005	102	4300	0.17	TB13174747
			169-171.4m. Rock shows obvious albitization. Pl is partially replaced by pink albite.	168.7-170m. 0.5% cpy, no po.	N508158		294	296	2.0	0.016	0.022	0.092		0.6		870	148	3910	0.16	TB13174747
		2a - Fine grain	ed homogeneous gabbro Trace to 0.5%	disseminated sulphides	N508159		296	298	2.0	0.004	0.006	0.014		<0.2		231	196	1250	0.3	TB13174747
			163.08-163.26m, 163.6-164m, 166.85-166.94m.	170-171.96m. Trace cpy and po.	K008802		1.62	7	5.4										0.02	0.11 TB13165143
		6a - Aphanitic	to fine grained gabbro dikes (youngest)		K008803		265	274	9.0										0.35	0.13 TB13165143
			171.4-171.96m. Sharp contact with 3b. Red rock is aphanitic. Red color is likely due to hematite		K008804		282	288	6.0										0.51	0.52 IB13165143
171.06	172 74	E7 fault or about zono	alteration. Cross cut by stockwork cb veins.		K008805		298	306	8.0										0.26	0.12 IB13165143
171.90	173.74	rz = lauit of sileal zone	The rock in the EZ is likely mixture of 3b and 3a. Hard to recognize the protolith due to pervesive chi		-															
			alteration and albitization. Rock is highly fractured.		-															
		6a - Aphanitic	to fine grained gabbro dikes (youngest)																	
			172.15-172.25m. Same as 6a above. Cross cut by stockwork cb veins.		]															
173.74	181.95	3d - Very coarse grained to p	gmatitic, ophitic gabbro Trace to 0.5%	disseminated sulphides																
			Very heterogeneous rock. 3d is composed of coarse grained to megacrystic pl and cpx with minor	173.74-181.95m.trace cpy, no po.	1															
			mag. Ophitic to subophitic. Locally forms mixture of 3d and 3g. Strong chl alteration. Locally strong		4															
			albitization.		4															
		3g - Medium t	o coarse grained oxide melatroctolite		4															
			173.74-174m, 175.83-176.42m, 178.14-178.86m, 180.26-180.35m. Gradational with 3d. Very		-															
			heterogenous. Shows great variation in cpx and pl contents.		1															
		2a - Fine grain	ed nomogeneous gabbro		1	1 1	1		1		I	I	I	1	1	I	1 1	I		

	GEOLO	DGY				Mineralization	SAMPLE		INTERVAL		WIDTH	l Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	#
				179.81-179.81m, 180-180.26m. Sharp contact with 3d. Coarser grained than typical fine grained 2a.																				
			2k - Medium g	rained homogeneous gabbro																				
				181.15-181.77m. Sharp contact with 3d. composed of coarse grained subhedral cpx with minor																				
				interstitial pl. no ophitic texture present.																				
181.95	184.50	3g - Medium te	o coarse grained	d oxide melatroctolite																				
				gradational into this unit. Very heterogenenous. Likely mixtured between 3g and 3b or 3d though	Trace to 0.5% diss	eminated sulphides																		
			2a - Eine grain	3 g is predominant. Locally ophitic.		181.95-184.5m. Trace cpy and po.																		
			za - Fine grain	182 2-182 4m. Sharp contact with 3n. Present as venolith																				
184.50	198.18	3d - Very coar	se grained to pe	egmatitic, ophitic gabbro	Trace to 0.5% diss	eminated sulphides																		
				gradational into this unit. Same as 3d above. Very heterogeneous. Locally forms mixture zone with		184.5-198.18m. Trace cpy and po.																		
				3g. Rock shows variation in grain size. Moderate chl and cb alteration.																				
			3g - Medium to	o coarse grained oxide melatroctolite																				
				188.51-188.65m, 190.04-190.37m, 190.5-190.81m, 192.1-193.37m. Gradational with 3d. Same as	_																			
				previous. Very heterogeneous. Dominated by med grained subhedral mag. Rock shows great																				
400.40	200.00	F7 fault as all		variation in cpx and pl contents. Moderate chl and cb alteration.																				
196.16	200.00	FZ - Tault of Sf	lear zone	The rock is likely 3d. Highly fractured. Pervasive chi and chialteration obscured onbitic texture																				
200.00	226.91	3b - Coarse gr	rained, ophitic ga	abbro (>5mm)	0.5% to 1% dissem	ninated sulphides																		
				heterogeneous. Ophitic to subophitic. Rock shows variation in grain size. Locally grades into 3d		200-203.7m. 0.5-1% cpy. No po.																		
				and 3h. cpx is partially to completely replaced by chl. 2a is present as xenolith.	2-3% disseminated	I sulphides																		
				223-225.95m. Mixture of 2a and the MS series though the MS series is predominant.		203.7-204m. 2% cpy, no po.																		
			3h - Apatitic cli	linopyroxenite	Trace to 0.5% diss	eminated sulphides																		
-				202.67-203.13m. Gradational into this unit. Dominated by coarse grained cpx with lesser pl and		204-226.91m. Trace cpy and po.																		
			2a - Eine grain	mag. weak chi alteration.																				
			za - rine grain	201 82-202 07m, 204 97-205 17m, 205 39-205 8m, 215 78-215 94m, Sharp contact with 3b																				
				grey rock is composed of fine grained pl and cpx.																				
			3d - Very coars	se grained to pegmatitic, ophitic gabbro																				
				217.31-218.32m. Gradational with 3b. Ophitic to subophitic. Moderate chl and cb alteration.																				
			3a - Medium g	grained, ophitic gabbro (<5mm)	-																			
				225.95-226.91m. Abrupt into this unit. Heterogeneous. Characterized by subophitic textures and																				
226.01	220.20	2a Eina grain	ad homogonoo	wormy mag that is interstitial to pl. could be mixture between 2a and 3a.	Trace to 0.5% diag	aminated autobidas																		
220.91	229.20	za - Fine grain	ied nomogeneou	us gatorio	Trace to 0.5% diss	226 91-229 2m. Trace po and cnv																		
				series. Slightly heterogeneous.																				
229.20	261.03	4b - MS hoste	d breccia with F	ine Grained gabbro and footwall xenoliths	Trace to 0.5% diss	eminated sulphides																		
				sharp contact with 2a above. This interval is dominated by the MS series with minor 2a and 1a. The		229.2-232m. Trace sulfides.																		
				MS is mainly represented by 3b with a small portion of 3a. Heterogeneous rock is composed of	0.5% to 1% disser	ninated sulphides																		
				coarse grained pl and cpx with minor mag and ol. Obviously ophitic. Rock shows variation in grain		232-234m. 0.5% sulfides. Po:cpy=2:1.																		
				size and has small-scale irregular patches of 2a. 2a is locally coarser grained than typical 2a. 3b	race to 0.5% diss	eminated sulphides																		
	1	1	2a - Fine grain	rei honogeneous gabbro	Local blebs to 1-2%	6 sulphides																		
	1	1		241.91-242.03m, 245.1-245.37m, 246.49-248.28m, 251.7-252m, 252.3-252.71m, 252.99-	1.	245.37-246m. Po:cpy=2:1.																		
				253.23 m, 253.29-255.04m, 255.66-256.37m, 256.4-258.1m, 258.63-260.16m, 260.6-261.03m.	Trace to 0.5% diss	eminated sulphides													]					
			1a - Footwall rh	heomorphic intrusive breccia		246-261.03m. Trace to 0.5% cpy, trace po.													]					
				260.16-260.6m. Contact with 2a is not distinctly sharp.																				
261.03	263.47	3a - Medium g	rained, ophitic g	gabbro (<5mm)																				
				sharp contact with 2a above. Obviously ophitic. Composed of med grained pl, cpx, ol and mag.	+ +																			
	1	1	3b - Coarse or	rained, onhitic gabbro (55mm)																				
	1	1	un coarse gr	263.05-263.27m. Gradational into this unit. Same texture as 3a but coarser grained. Ophitic.																				
				weak chl alteration.															]					
263.47	268.51	2a - Fine grain	ed homogeneou	us gabbro	Trace to 0.5% diss	eminated sulphides																		
				contact with 3a is not distinctly sharp. Grey rock is overall homogeneous and composed of fine		263.47-268.51m. Trace sulfides.																		
<u> </u>			I	grained pl and cpx. Rock has small-scale irregular patches of 3a.	+																			
268.51	283.12	1a - Footwall r	heomorphic intr		Trace to 0.5% diss	eminated sulphides																		
	1		+	The contact with 2a is not distincly sharp. Helsic rock overall homogeneous. Locally banded.	+	268.51-263.12m. Overall, trace to 0.5% sulfides. Sulfides are																		
	1	1	1	TUCK IS CIUSS CUL UY Za, 38, 30 all0 0a.	1	commeu to sa patches and stringers. In sa, 0.5% cpy, trace		1	1	1	1	1	1	1					1	I			1	

	GEOLO	DGY				Mineralization	SAMPLE		INTERVAL		WIDTH	Au Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	#
			2a - Fine graine	ed homogeneous gabbro		ро.																	
			, in the second s	269.49-271.34m. Contact with 1a diffuses. Same as previous.	0.5% to 1% diss	aminated sulphides																	
			3b - Coarse gra	ained, ophitic gabbro (>5mm)		277.5-278.82m. In 6a, 0.5-1% med grained and euhedral Py.																	
				273-273.13m, 279.27-280. sharp contact with 1a. Heterogeneous and strongly albitized. Ophitic.																			
				rock shows variation in grain size and is locally pegmatitic.																			
			3a - Medium gr	rained, ophitic gabbro (<5mm)																			
				274.63-274.9m, 275.53-275.7m. Occurs as stringers cross cutting 1a.																			
			6a - Aphanitic t	to fine grained gabbro dikes (youngest)																			
				277.5-278.82m. Sharp contact with 1a. Aphanitic rock shows red color likely due to hematite																			
000.40	000.44			alteration.	T . 0.500 F																		
283.12	200.41	2a - Fine gra	ined nomogeneou	Is gaboro	Trace to 0.5% dis	382.12.396.41m Trans sulfides																	
				sharp contact with oa above. Grey line grained rock is highly hactured and shows strong chi		203.12*200.4111. 11able suilides.																	
286.41	290.60	EZ - fault or s	shear zone																				
200.41	230.00			The rock in the EZ is likely 2a. There are couple of small patches of 3a or 3h in 2a. Highly broken																			
				pervasive chi alteration.																			
290.60	295.30	2a - Fine grai	ined homogeneou	is gabbro	0.5% to 1% diss	eminated sulphides																	
				likely the continuation of 2a above. Heterogeneous. Grev fine grained rock has couple of small		290.6-295.3m, Overall, 0.5% cpv, 0.5% po, Sulfides are																	
				patches of 3a and 3h. Rock shows moderate to strong albitization. Pl is replaced by fine grained		confined to the patches and stringers of 3a and 3h.																	
				Ab.		<u> </u>																	
				294-295.3m. Mixture zone of 3h and 2a though 2a is predominant.																			
			3h - Apatitic clir	nopyroxenite																			
				291-291.78m. A med grained 3h stringer cross cuts 2a.																			
295.30	306.00	1a - Footwall	rheomorphic intru	usive breccia	Trace to 0.5% dis	seminated sulphides																	
				sharp contact with 2a above. Felsic and heterogeneous. Chaotic texture. Cross cut by small		295.3-306m. Trace sulfides.																	
				stringers of the MS series.																			
306.00		EOH - End o	f Hole																				
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			STILLWATER CANADA INC DIAMOND DRILL CORE LOG						
NTS:		42 D / 16		DDH:	<u>RS-13-09</u>	DIAMOND DRIL	L CORE L	OG	
UTM	Northing	5414276		Lease/Claim:	4207857	Reflex EZ Shot-	Diamond	Drillhole Su	rvey
(Nad27)	Easting	535555.2		Property:	Coldwell Complex	Depth	Dip	Azimuth	
Elevation	n (m):	361.5		Zone:	Redstone	Casing	-44.88	344.13	
Dip at Co	ollar:	-44.88		Date start:	23-Aug-13				
Azimuth:		344.13		Date finish:	24-Aug-13				
Total De	pth:	186		Contractor:	Chibougamau Diamond Drilling				
Core Siz	e:	NQ		Logged by:	Renata Smoke (0-62.97) Julien Meric (62.97-EOH)				
Remarks	:	Core stored	l in Stillwater Canada Inc. warehouse, Marathon, Ontario	Assistant:	Yonggang Feng, Julien Meric	complete downhole s	survey in Sally	/ Lake masterlis	[

	GEOLO	DGY				Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM Ag	Cu	Cu	Ni	Р	s	С	Job
From	То	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm	ppm ppm	%	ppm	ppm	ppm	%	%	#
0.00	1.90	OB - Overburg	len				N508160		1.9	4	2.1	<0.001	< 0.005	0.001		0.2		620	14	>10000	0.12		TB13174749
							N508161		4	6	2.0	0.001	< 0.005	0.001		0.3		557	18	>10000	0.16		TB13174749
1.90	13.10	3g - Medium te	o coarse graine	ad oxide melatroctolite	Trace to 0.5% dis	sseminated sulphides	N508162		6	8	2.0	0.001	< 0.005	<0.001		0.3		577	24	>10000	0.17		TB13174749
				15-25% fg to med gr OI, 15-25% med gr to crs gr Cpx (poikilitic, with Mag, Ap inclusions), 20-30%		0-Tr fg Po	N508163		8	10	2.0	<0.001	< 0.005	<0.001		0.4		602	24	>10000	0.18		TB13174749
				fgr Mag, 2035% med gr anhedral to subhedral Plag, 15-20% fg euhedral Ap, 5-10% Crs gr Bi with			N508164		10	12	2.0	0.001	< 0.005	<0.001		0.4		681	30	>10000	0.2		TB13174749
				Ap inclusions. Plag rich layers are gradational, with the ophitic text more distinct in the Plag			N508165		12	14	2.0	<0.001	< 0.005	<0.001		0.4		814	33	>10000	0.22		TB13174749
				enriched layers. 1.9-7m Plag laths are aligned.			N508166		14	16	2.0	<0.001	< 0.005	<0.001		0.2		475	26	>10000	0.12		TB13174749
				Mod Chlor alteration of Cpx			N508167		16	18	2.0	0.006	0.005	0.016		<0.2		398	18	3810	0.07		TB13174749
							N508168		18	20	2.0	0.004	< 0.005	0.008		0.2		347	19	5710	0.08		TB13174749
14.34	21.32	3b - Coarse gr	ained, ophitic	gabbro (>5mm)	Trace to 0.5% dis	sseminated sulphides	N508169		20	22	2.0	0.001	< 0.005	0.001		0.3		535	29	>10000	0.13		TB13174749
				*NOTE* 50-65% Plag, could be 3c. 50-65% med gr euhedral Plag (lathy), 20-25% Med-crs gr		0-Tr vfg cpy, Po (1:1 in relatively unaltered zone, mostly cpy in	N508170	d	20	22	2.0	0.001	< 0.005	<0.001		0.3		555	32	>10000	0.13		TB13174749
				anhedral OI (ophitic text with Plag), 5-15% fg-med gr anhedral Mag (intergran to ophitic style texture		altered zone.	N508171		22	24	2.0	0.001	< 0.005	0.001		0.2		71	4	2070	0.05		TB13174749
				to Plag and as incl in OI), 10-20% Crs gr anhedral Cpx (ophitic text with Plag, contains Mag inclusions,			N508172		24	26	2.0	0.005	0.008	0.023		<0.2		129	258	640	0.02		TB13174749
				sometimes as rim on OI). OI content decreases downhole in place of Cpx, Mag. 16-19.95m very			N508173		35	37	2.0	0.007	0.01	0.019		<0.2		173	236	1280	0.02		TB13174749
				intensely altered. Entire chloritization of Cpx, OI, intense ser of Plag, with patchy pink alteration, Ca			N508174		37	39	2.0	0.006	0.007	0.012		0.4		681	113	>10000	0.13		TB13174749
				filled pseudos of Cpx. Also within this altered zone Plag content increases. Gradational upper and			N508175		39	41	2.0	0.005	< 0.005	0.003		0.6		1090	70	>10000	0.19		TB13174749
				lower contact with 3g, and 3d subunit. Rare Labr alteration.			N508176		41	43	2.0	0.001	< 0.005	0.007		<0.2		82	16	1710	0.02		TB13174749
							N508177		43	45	2.0	0.001	< 0.005	0.004		<0.2		66	12	1850	0.01		TB13174749
			3d - Very coa	rse grained to pegmatitic, ophitic gabbro	Trace to 0.5% dis	sseminated sulphides	N508178		45	47	2.0	0.005	0.005	0.002		0.4		554	65	>10000	0.1		TB13174749
				13.1-14.34m gradational upper and lower contact, 40-45%% Pemg Plag, 30% pegm Cpx (Mag		Tr vfg cpy	N508179		47	49	2.0	0.008	0.007	0.011		0.5		930	98	>10000	0.14		TB13174749
				inclusions), 10% meg-crs gr Ol, 10% fg Mag, 3% vfg Ap. Intense Chloritization, Ca alteration of Cpx.			N508180		49	51	2.0	0.015	0.013	0.018		0.6		1220	122	>10000	0.18		TB13174749
				Slight Lab alteration.			N508181		51	53	2.0	0.007	< 0.005	0.001		0.5		729	91	>10000	0.11		TB13174749
							N508182		53	55	2.0	0.006	< 0.005	0.001		0.4		613	70	>10000	0.1		TB13174749
21.32	22.23	3g - Medium te	o coarse graine	ad oxide melatroctolite	Trace to 0.5% dis	sseminated sulphides	N508183		55	57	2.0	0.007	0.005	0.011		0.4		731	110	>10000	0.1		TB13174749
				15-25% fg to med gr OI, 15-25% med gr to crs gr Cpx (poikilitic, with Mag, Ap inclusions), 20-30%		Tr vfg Po	N508184		57	59	2.0	0.01	0.007	0.021		0.5		827	130	>10000	0.11		TB13174749
				fgr Mag, 2035% med gr anhedral to subhedral Plag, 15-20% fg euhedral Ap, 5-10% Crs gr Bi with			N508185	b				0.002	< 0.005	<0.001		<0.2		7	1	160	<0.01		TB13174749
				Ap inclusions. Plag rich layers are gradational, with the ophitic text more distinct in the Plag			N508186		59	61	2.0	0.009	0.012	0.035		0.3		515	72	>10000	0.08		TB13174749
				enriched layers.			N508187		61	63	2.0	0.008	< 0.005	0.014		0.3		461	74	>10000	0.07		TB13174749
				Mod Chlor alteration of Cpx			N508188		63	65	2.0	0.009	0.012	0.046		0.5		1270	148	>10000	0.19		TB13174749
							N508189		65	67	2.0	0.016	0.025	0.112		0.5		1110	186	5510	0.33		TB13174749
22.23	24.21	5b - Augite sy	enite				N508190		67	69	2.0	0.048	0.117	0.666		1		1800	181	>10000	0.23		TB13174749
				very sharp upper and lower contact, crs gr, intesnely chloritized and epidotized Cpx (Mag also			N508191		69	71	2.0	0.067	0.095	0.478		1.4		2720	271	1880	0.4		TB13174749
				forms pseudos of Cpx)			N508192		71	73	2.0	0.031	0.027	0.135		0.4		1000	162	>10000	0.14		TB13174749
							N508193		73	75	2.0	0.012	0.014	0.053		0.4		925	160	>10000	0.14		TB13174749
24.21	37.46	2k - Medium g	rained homoge	eneous gabbro			N508194		75	77	2.0	0.009	0.01	0.024		0.2		577	161	>10000	0.1		TB13174749
				Grades into 2a after 36.33 (when MS intrusions begin). 30-35% Fg-med gr subhedral Plag, 25-30%			N508195		77	79	2.0	0.005	0.013	0.023		<0.2		130	402	320	0.01		TB13174749
				fg-med gr OI, 15-20% med gr Cpx, 5% fg Mag. Homogeneous, weak-mod Chlor alteration			N508196		79	81	2.0	0.012	0.039	0.084		0.2		310	441	1590	0.03		TB13174749
			3b - Coarse g	rained, ophitic gabbro (>5mm)			N508197		81	83	2.0	0.006	0.016	0.025		<0.2		150	459	270	0.01		TB13174749
				36.32-37.46m 10% Plag rich 3b dikelets (<4cm thick). Plag-Cpx-Mag			N508198		94	96	2.0	0.004	0.016	0.021		<0.2		113	524	150	0.01		TB13174749
							N508199		96	98	2.0	0.018	0.015	0.032		0.3		698	183	>10000	0.13		TB13174749
37.46	40.63	3g - Medium te	o coarse graine	ed oxide melatroctolite	0.5% to 1% disse	eminated sulphides	N508200	mpg2				0.062	0.234	0.717		1.2		3010	293	1830	1.16		TB13174749
				40% fg Mag, 20% fg Ap, 20% fg to med gr Ol, 15-25% med gr to crs gr Cpx (Ol and Cpx are poikilitic,		fg 1:1 cpy. Po	N508201		98	100	2.0	0.029	0.029	0.057		0.5		1180	214	6190	0.18		TB13174749
				with Mag, Ap inclusions), 15-20%% med gr anhedral to subhedral Plag.			N508202		100	102	2.0	0.004	0.011	0.023		<0.2		60	398	380	0.01		TB13174749
				Sharp upper and lower contact. Fairly homogenous, rare gradations into 3d (based on gr size			N508203		102	104	2.0	0.009	0.013	0.027		<0.2		344	283	5810	0.05		TB13174749
				and Plag enrichment).			N508204		104	106	2.0	0.063	0.088	0.232		0.3		801	329	4750	0.11		TB13174749
			2g - Gabbroid	anorthosite	3-5% disseminate	ed sulphides	N508205		106	108	2.0	0.016	0.01	0.012		0.3		650	312	9150	0.09		TB13174749
				39.2-39.3m xeno		Po. At 2g. 3g contact.	N508206		108	110	2.0	0.019	0.011	0.018		0.3		891	191	9570	0.12		TB13174749

	GEOLO	DGY				Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh T	GM Ag	Cu	Cu	Ni	Р	S	C Job
From	То	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm p	m ppm	%	ppm	ppm	ppm	%	% #
							N508207		110	112	2.0	0.006	0.019	0.023		<0.2		178	592	210	0.01	TB13174749
40.63	45.25	2g - Gabbroic and	orthosite				N508208		117	119	2.0	0.003	<0.005	0.009		<0.2		184	134	1630	0.02	TB13174749
				Sharp upper and lower contact. Typical patchy textured 2g with mod ser and Chloritization.			N508209		119	121	2.0	0.006	0.006	0.022		<0.2		243	135	3450	0.04	TB13174749
							N508210		121	123	2.0	0.006	0.008	0.019		<0.2		163	144	2030	0.02	TB13174749
45.25	50.24	3g - Medium to co	oarse grained	l oxide melatroctolite	0.5% to 1% disse	minated sulphides	N508211		123	125	2.0	0.026	0.013	0.03		0.5		1200	222	3590	0.19	TB13174749
				35% tg Mag, 20-25% tg Ap, 20% tg to med gr OI, 15-25% med gr to crs gr Cpx (OI and Cpx are		VERY fg. Likely 1:1 ratio but difficult to see	N508212		125	127	2.0	0.002	0.006	0.006		<0.2		446	195	580	0.31	TB13174749
				Sharp upper and lower contact Fairly homogenous, rare gradations into 3d (based on or size			N508213		127	129	2.0	0.014	0.028	0.055		0.2		615	422	5100	0.20	TB13174749
				and Plag enrichment). 10% 4-5cm thick Chlor veins or altered joints.			N508215	d	129	131	2.0	0.02	0.032	0.067		0.3		622	437	4720	0.09	TB13174749
		3d	d - Very coars	se grained to pegmatitic, ophitic gabbro			N508216		131	133	2.0	0.02	0.039	0.073		0.3		651	432	3100	0.08	TB13174749
				45.25-46.3m. 30% Plag, 25% Cpx, 20% OI, 10% Mag, 15% fg-med gr Ap. All pegm, OI and Cpx form			N508217		133	135	2.0	0.004	0.008	0.062		<0.2		148	94	1700	0.02	TB13174749
				typical ophitic tex, Mag forms ophitic style text. 45.25-45.6m intense pink alteration of Plag (forms			N508218		135	137	2.0	0.032	0.073	0.447		0.3		680	119	4670	0.13	TB13174749
-				rims) and complete Chloritization of Cpx.			N508219		137	139	2.0	0.161	0.067	0.218		1		1810	313	3570	0.2	TB13174749
50.04	54.50	a					N508220		139	141	2.0	0.03	0.039	0.149		0.5		1050	207	5270	0.12	TB13174749
50.24	54.56	3d - Very coarse	grained to pe	gmatitic, opnitic gabbro			N508221		141	143	2.0	0.029	0.048	0.171		0.6		1170	168	6200	0.13	TB13174749
				and es from OLrich to Cox rich) 30% Plag 10-25% Cox 10-20% OL 10% Mag 15% formed or An			N508223		145	145	2.0	0.037	0.145	0.315		0.5		1120	257	3780	0.10	TB13174749
-				Ol and Cox form typical ophitic tex. Mag forms ophitic style text.			N508224		143	149	2.0	0.055	0.054	0.095		0.9		2240	221	2720	0.36	TB13174749
							N508225		149	151	2.0	0.059	0.105	0.27		0.3		751	198	4090	0.14	TB13174749
54.58	59.00	3g - Medium to co	oarse grained	i oxide melatroctolite	Trace to 0.5% dis	seminated sulphides	N508226		151	153	2.0	0.054	0.017	0.074		0.7		1515	143	8260	0.34	TB13174749
				40% fg Mag, 20% fg Ap, 20% fg to med gr Ol, 15-25% med gr to crs gr Cpx (Ol and Cpx are poikilitic,		VERY fg. Likely 1:1 ratio but difficult to see	N508227		153	155	2.0	0.035	0.015	0.044		0.4		1150	92	9880	0.26	TB13174749
				with Mag, Ap inclusions), 15-20% med gr anhedral to subhedral Plag.			N508228		155	157	2.0	0.007	<0.005	0.001		<0.2		401	44	>10000	0.09	TB13174749
				Gradational upper and sharp lower contact.Fairly homogenous, rare gradations into 3b (based on			N508229		157	159	2.0	0.004	<0.005	<0.001		<0.2		410	44	>10000	0.09	TB13174749
				gr size and Plag enrichment).			N508230	b				0.001	<0.005	<0.001		<0.2		3	1	70	0.01	TB13174749
-							N508231		159	161	2.0	0.006	<0.005	0.001		<0.2		389	36	>10000	0.08	TB13174749
59.00	62.97	3a - Medium grain	ned, ophitic g	abbro (<5mm)	Trace to 0.5% dis	seminated sulphides	N508232		161	163	2.0	0.004	<0.005	0.001		<0.2		446	43	>10000	0.1	TB13174749
				45% med-crs gr eunedral Plag, 35% med-crs gr Cpx (opnitic), 10% med gr OI (intergran-sub-opnitic), 10% fina med ar Mag (intergran). Med Chler alteration of Cpx		Rare rg cpy	N508233		163	165	2.0	0.006	<0.005	<0.001		<0.2		399	35	>10000	0.08	TB13174749
				10% line-med gr wag (intergran). Woo Chior alteration of Cpx			N508235		165	169	2.0	0.009	<0.005	<0.001		<0.2		536	52 43	9510	0.13	TB13174749
62.97	71.28	2d - Fine grained	gabbro with M	MS intrusions	l ocal blebs to 1-2	% subbides	N508236		169	171	2.0	0.001	<0.005	0.003		<0.2		119	129	220	0.36	TB13174749
				fine gr gabbro with >20% MS in dykes or blebs and stringer. MS are 3b and 3g.		very fine to med gr in blebs or patches with heterogeneous	K008806		26	35	9.0										0.01	0.02 TB13165143
		36	o - Coarse gra	ained, ophitic gabbro (>5mm)		distribution and in MS only. Ratio po:cpy vary from 1:1 in 3b to	K008807		83	89	6.0										0.05	0.05 TB13165143
				med to crs gr plag, cpx, ol and mag. Ophitic texture. The mag content could vary. Only dykes have		3:1 in 3g. Sulfide gr are also thinner in 3g.	K008808		89	94	5.0										0.02	0.03 TB13165143
				been measured. Sharp contacts.			K008809		112	117	5.0										0.11	0.05 TB13165143
-				65.39-65.76 ; 67.16-69.04 (this dykes is an intermix with 3g bands or stringers)		no sulfide in 2a and 1a and 5b.	K008810		171	180	9.0										0.23	0.18 TB13165143
		39	g - Medium to	coarse grained oxide melatroctolite			K008811		180	186	6.0										0.23	0.05 TB13165143
-				Med to crs gr plag, oi, mag (20-40%), cpx and apatite (around 10%). Mag and plag content vary.			-															
				Sharp contacts. Several dykes seems to be intermixed with bleb or stinger of 3b.			-															
		1a	a - Footwall rh	permorphic intrusive breccia																		
				66-66.6 silicified			1											1				
		5b	o - Augite sye	nite																		
L				66.98-67.16 crs to very crs gr felds K and labradorite. Orange color. Sharp contacts			1											1				
							-															
71.28	76.66	3g - Medium to co	oarse grained	l oxide melatroctolite	0.5% to 1% disse	minated sulphides	-											1				
				Med to crs gr plag, ol, mag (20-40%), cpx and apatite (around 10%). Plag content variation and		very fine to fine gr, continuous 1:1 po:cpy	-															
-				neterogeneous texture. Sharp contacts above and below. Strong chlorite alteration associated			-															
				with fractures.																		
76.66	96.22	2k - Medium arair	ned homogen	eous gabbro		No sulfide in 2k	1											1				
				Med gr cpx and plag. Cpx seems cumulate and euhedral. Fine gr olivine. Unit hogeneous and			]															
				continuous. (close to be a 2i). Strong chlorite alteration associated with fractures.			1											1				
				92.73-92.77 gouge.			1											1				
		39	g - Medium to	coarse grained oxide melatroctolite	0.5% to 1% disse	minated sulphides	4											1				
				79.6-79.88 1 dyke with med to crs gr plag, ol, mag (20-40%), cpx and apatite (around 10%).		in 3g very fine to fine gr, continuous 1:1 po:cpy	-	1														
<b> </b>		<u> </u>		Sharp contacts above and below.			4															
┣───		5b	o - Augite sye	nite			1											1				
<u> </u>				ro.rr-ro.oz and rr.4r-rr.4o med to crs griels K, pink color. Sharp contacts.			1											1				
I	I	1				1	J	1	1 1		I	I		Ļ	1	1	1	1	I.	1		1 1

	GEOL	.OGY			Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh TP	SM Aq	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	to the second se	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm pj	m ppm	%	ppm	ppm	ppm	%	%	#
00.00	00.00	On Madium		0.5% 45.4% 45.5																		
96.22	99.38	3g - Medium	2C intermived with attingers of 2d 2b (around 20%). Mod to are at place of mean and any	0.5% to 1% dissi	in 2a fine at betergenoous distribution. 51 percent																	
			man content vary 20 to 40% man is cumulate. Presence of anatite 5-10%. Sharp contacts		in sy nile yr nelerogeneous distribution. 5.1 po.cpy																	
			mag ourient vary zo to to or mag to ouriente. Theodolo or upartic or to to onlap ouried to																			
99.38	109.78	2d - Fine grai	ned gabbro with MS intrusions	0.5% to 1% diss	eminated sulphides																	
			MS (3b and 3g) in dykes inside a 2k.		Sulfide in MS																	
			The 2k is med gr cpx and plag. Cpx seems cumulate and euhedral. Unit hogeneous		no sulfide in 2k																	
			and continuous. (close to be a 2i). Strong chlorite alteration associated with fractures.																			
			3g - Medium to coarse grained oxide melatroctolite	0.5% to 1% diss	eminated sulphides																	
			Med to crs gr plag, ol, mag (20-40%), cpx and apatite (around 10%). Mag and plag content vary.		in 3g very fine to med gr heterogeneous distribution. 5:1 po:cpy																	
			Sharp contacs. Several dykes seems to be intermixed with bleb or stinger of 3b.																			
			99.55-99.95 ; 103.87-104.43 ; 105.92-106.6; 107.63-108.51 ; 108.74-109.78																			
			3d - Very coarse grained to pegmatitic, ophitic gabbro	0.5% to 1% disse	eminated sulphides																	
			Med to very crs gr plag, cpx, ol and mag. Gr size variation wich goes gradually into a 3b.		In 3b-3d fine to med gr neterogeneous distribution 3:1 po:cpy																	
			5b - Augite svenite																			
			105 03-105 16 med to crs or fels K nink color. Sharp contacts		no sulfide in 5b																	
109.78	119.50	2k - Medium	grained homogeneous gabbro																			
			Med gr cpx and plag. Cpx seems cumulate and euhedral. Unit hogeneous and	Trace to 0.5% dis	sseminated sulphides																	
			continuous. (close to be a 2i). Strong chlorite alteration associated with fractures.		just rare trace of cpy																	
			110.42-110.87 completely altered into chlorite.Presence of gouge.																			
119.50	128.22	2d - Fine grai	ned gabbro with MS intrusions	Trace to 0.5% dis	sseminated sulphides																	
			fine gr gabbro with 3g and also 3b intrusion, footwal xenoliths (1a) are also present.		trace fine gr, po and cpy mostly in MS blebs and stringer																	
			MS are present mostly in blebs and stringers intermixed in the 2a and also in dykes .		Pyrite is present associated with chlorite and fractures.																	
			2a is tine to medium gr, it looks like the 2k above exept that the cpx gr are not eunedral and the.																			
			Strong chlorite alteration associated with fractures																			
			3g - Medium to coarse grained oxide melatroctolite	0.5% to 1% diss	eminated sulphides																	
			124-124.63; very heterogeneous with >40%mag		1% fine to med gr po:cpy 5:1																	
			3b - Coarse grained, ophitic gabbro (>5mm)	0.5% to 1% diss	aminated sulphides																	
			iMostly n blebs or stringers in 2a., 1 dyke at 119.5-120 wich separate 2a from 2k.		fine gr po:cpy 3:1																	
			1a - Footwall rheomorphic intrusive breccia																			
			127.28-128.22 felsic and silicified.																			
			5b - Augite syenite																			
			120.03-120.1.med to crs gr fels K, pink color. Sharp contacts.																			
109.00	122.20	2a Madirer	a searce amined wide melatrostelite	0.5% to 1%	mineted sulphides																	
126.22	132.30	3g - Medium	Very beterareneous with + 40% mag. Sharp context with the 2h inside and chave and below	0.5% to 1% dissi	fine ar beteregeneous distribution 2:1 perenu																	
		1	130.24-131.79 alomost completely altered into chlorite texture disapeared hut it is still mannetic.		Pyrite is present associated with chlorite and fractures					1												
	1		You also have crs gr plag (secondary) in the middle of chlorite, they looks like labradorite.																			
			3b - Coarse grained, ophitic gabbro (>5mm)																			
			128.87-130.05 med to crs gr plag, cpx and mag. Texture slightly ophitic. You still have lot of mag,							1												
			around 15-20%. Higly altered, pink alteration from 12887-129.44.																			
										1												
132.30	149.46	2d - Fine grai	ned gabbro with MS intrusions	0.5% to 1% diss	eminated sulphides					1												
			tine gr gabbro with 3g and also 3b intrusion. MS are present mostly in dykes but also blesb		In 2a suitide are associated with MS blebs and stringer					1												
		-	and stringers intermixed in the 2a.		neterogeneous distribution 1:1 po:cpy																	
			za is line to medium gr, it looks like the 2k above exept that the cpx gr are not euhedral and the.																			
			3a - Medium to coarse grained oxide melatroctolite	0.5% to 1% diee	eminated sulphides																	
		1	Verv heterogeneous with mag content variation 20-50%	0.070 to 170 dissi	in 3g 1% fine to med gr. 2:1 pg/cpv					1												
	1		137.1-138.07 ; 140.08-140.4 ; 142.61-142.82 ; 143-143.82 ; 144.74-146.86 (intermixed with3b).		in the rest of the second seco																	
	1		and 148.6-149.46.							1												
			3b - Coarse grained, ophitic gabbro (>5mm)	0.5% to 1% diss	eminated sulphides					1												
			Med to crs gr plag, cpx, mag and few ol. Very heterogeneous and mixed with other units.		In 3b 1% in patches, heterogeneous distribution fine to med gr																	
			138.07-140.08 (intermixed with 3g , blebs and stringers and also 2a is present)		1:1 po:cpy																	
			141.5-142.61 med gr with pink alteration. Close to be a 3a.					1				1										

GEOLOGY						Mineralization	SAMPLE		INTERVAL	L	WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job
From	To a	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	#
				147.92-148.11 med to crs gr, heterogeneous with pink alteration. Sharp contacts.																				
		5	b - Augite sye	nite																				
				136.53-137 ; 139.75-139.82 ;med to crs gr fels K, pink color. Sharp contacts.																				
440.40	400.45 05 05			abbas ( Farm)	T																			
149.40	166.45 30 - Co	Juarse grai	nea, opniac ga	med to cre or ophino with 5-10% evenite stringers, value or dukelets (only main unit have been	Trace to 0.5% dis	149.46-151.75 fine or beterogenpous distribution 0.5% 1:1																		
				measured) and 2a xenoliths.	2-3% disseminate	ed sulphides																		
				3b is continuous with med to crs gr plag, cpx and mag, almost no olivine. Plag lathlyke and ophitic		151.75-153.28 fine to med gr, continuous, 1:1 po:cpy.																		
				texture.apatite also present , fine gr <5%. Pink alteration is present, maybe due to the presence	Trace to 0.5% dis	seminated sulphides																		
				of syenite ?		153.28-168.45 trace to 0.5%, heterogeneous distribution.																		
		2	a - Fine graine	ad homogeneous gabbro		No sulfide in 2a																		
		5	h - Augite sve	151.9/-152.22 and 154.14-154.82 contacts are sharp or diffuse, presence or MS blebs inside.		No sulfide in 5h																		
		Ŭ	o - Augite aye	Med to crs or fels K, pink color. Sharp contacts		No suilde in 50																		
				150.74-150.86 ; 151.33-151.46 ; 154.82-155.26 ; 155.59-155.66 ; 159.14-159.21 ; 159.60-159.68																				
168.45	186.00 1a - Fo	ootwall rhe	omorphic intru	usive breccia	Trace to 0.5% dis	seminated sulphides																		
				Breccia with different type of felsic wenoliths. Layer and claste, felsic and silicified. 2a could be		just trace mostly pyrite associated with fractures.																		
				present but partly silicified.																				
186.00	EOH -	- End of Ho	ble																					
-																								
															1									
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		STILLWATER CANADA INC DIAMOND DRILL CORE LOG			
NTS:	42 D / 16		DDH:	<u>RS-13-10</u>	DIA
UTM Northi	ng 5414295.9		Lease/Claim:	4207857	Re
(Nad27) Eastin	g 535645.73		Property:	Coldwell Complex	
Elevation (m):	341.7		Zone:	Redstone	
Dip at Collar:	-45		Date start:	24-Aug-13	
Azimuth:	350.24		Date finish:	25-Aug-13	
Total Depth:	153		Contractor:	Chibougamau Diamond Drilling	
Core Size:	NQ		Logged by:	Yonggang Feng	
Remarks:	Core stored	i in Stillwater Canada Inc. warehouse, Marathon, Ontario	Assistant:	Julien Meric, Renata Smoke	dow

DIAMOND DRIL	L CORE L	.OG	
Reflex EZ Shot	- Diamond	Drillhole S	Surve
Depth	Dip	Azimuth	
Casing	-45	350.24	

downhole survey not available

	GEOL	LOGY				Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh TP	SM Ag	Cu	Cu	Ni	Р	S	С	Job
From	То	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	pm pp	m ppm	%	ppm	ppm	ppm	%	%	#
0.00	7.47	OB - Overburg	den				N508237		13	15	2.0	<0.001	< 0.005	<0.001		<0.2		5	1	3040	0.05	1	TB13177480
7.47	9.22	2k - Medium g	rained homoger	eous gabbro 0.5% t	o 1% disse	minated sulphides	N508238		15	17	2.0	0.002	< 0.005	0.002		<0.2		324	27	>10000	0.1	1	TB13177480
				rock is composed of med grained pl, cpx,ol and mag. Heterogeneous. Local leucopods are		7.47-9.22m. Trace sulfides.	N508239		17	19	2.0	0.001	< 0.005	<0.001		<0.2		6	1	3100	0.07	1	FB13177480
				present. Not typical 2k. Relatively pl-rich. No visible ophitic texture. Moderate chl alteration. Cpx			N508240		19	21	2.0	0.003	< 0.005	0.003		<0.2		252	41	>10000	0.21	1	FB13177480
				and ol are partially replaced by chl.			N508241		21	23	2.0	0.001	< 0.005	<0.001		<0.2		5	2	3090	0.12	1	FB13177480
9.22	15.00	FZ - fault or sh	hear zone				N508242		23	25	2.0	0.001	< 0.005	<0.001		<0.2		5	1	3120	0.06	1	FB13177480
				The rock in the FZ includes 3b, 2a, 3a and 6a. 6a dominates this interval. Rock is highly fractured			N508243		25	27	2.0	0.001	<0.005	<0.001		<0.2		99	14	>10000	0.06	1	FB13177480
				and shows pervasive chl alteration. 6a is purple aphanitic rock. The purple color is likely due to			N508244		27	29	2.0	0.001	<0.005	<0.001		<0.2		3	3	2810	0.05	1	FB13177480
				hematite alteration. Many small-scale cb stringers cross cut 6a.			N508245	mpg1				0.251	0.935	3.28		3.1		7080	383	1390	1.13	1	FB13177480
			2k - Medium g	rained homogeneous gabbro			N508246		29	31	2.0	0.009	0.012	0.022		<0.2		567	268	>10000	0.11	1	FB13177480
				9.22-9.41m, 10-11m. Same as the 2k above. Sharp contact with 3b below. Small irregular 2a			N508247		31	33	2.0	0.005	0.005	0.007		<0.2		799	99	>10000	0.14	1	FB13177480
				patches are present in this unit.			N508248		33	35	2.0	0.004	<0.005	<0.001		<0.2		521	64	>10000	0.1	1	FB13177480
			3b - Coarse gr	ained, ophitic gabbro (>5mm)			N508249		35	37	2.0	0.003	< 0.005	<0.001		<0.2		364	39	8510	0.09	1	FB13177480
				9.41-10m, 11-11.56m. Sharp contact with 2b above. Rock is composed of coarse grained pl and cpx			N508250		37	39	2.0	0.006	<0.005	0.012		<0.2		523	43	>10000	0.13	1	FB13177480
				with minor bt and mag. Cpx is likely replaced by bt and chl. Highly altered and fractured. Ophitic			N508251		39	41	2.0	0.003	<0.005	0.002		<0.2		566	60	>10000	0.1	7	FB13177480
				texture is still preserved.			N508252		41	43	2.0	0.007	0.005	0.009		<0.2		629	75	>10000	0.1	1	FB13177480
15.00	18.00	6a - Aphanitic	to fine grained o	abbro dikes (youngest) Trace	o 0.5% dis	seminated sulphides	N508253		43	45	2.0	0.005	<0.005	0.007		<0.2		531	81	>10000	0.11	1	FB13177480
				Rock is the continuation of 6a in the above FZ. Purple aphanitic rock. Highly fractured. Fractures		15-18m. Trace sulfides present in 3b.	N508254		45	47	2.0	0.005	<0.005	0.002		<0.2		477	78	>10000	0.11	1	FB13177480
				are filled by cb.			N508255		47	49	2.0	0.003	<0.005	<0.001		<0.2		383	54	>10000	0.11	1	FB13177480
			3g - Medium to	o coarse grained oxide melatroctolite			N508256		49	51	2.0	0.005	< 0.005	0.003		<0.2		578	75	>10000	0.1	1	FB13177480
				15.75-16.4m. Sharp contact with 6a. Present as xenolith. Dark heterogeneous rock is dominated			N508257		51	53	2.0	0.006	<0.005	0.009		<0.2		652	71	>10000	0.13	1	FB13177480
				by fine to med grained mag. Rock is likely mixture of 3g and 3b though 3g is predominant. Subophitic			N508258		53	55	2.0	0.006	0.013	0.036		<0.2		307	520	9560	0.09	1	FB13177480
				texture is locally preserved.			N508259		55	57	2.0	0.004	0.013	0.033		<0.2		108	747	180	<0.01	1	FB13177480
			3b - Coarse gr	ained, ophitic gabbro (>5mm)			N508260	d				0.005	0.014	0.037		<0.2		101	740	140	<0.01	1	FB13177480
				16.4-16.71m. Gradational with 3g. Rock is composed of coarse grained pl and cpx. Subophitic			N508261		74	76	2.0	0.004	0.017	0.028		<0.2		102	841	110	<0.01	1	FB13177480
				texture. Cpx is partially replaced by chl and cb.			N508262		76	78	2.0	0.005	0.011	0.019		<0.2		205	573	2280	0.03	1	FB13177480
18.00	29.62	FZ - fault or sh	hear zone				N508263		78	80	2.0	0.011	0.005	0.008		0.2		714	110	>10000	0.1	1	FB13177480
				The rock in the FZ is dominated by 6a. 3g is present as minor units. Purple aphanitic rock.			N508264		80	82	2.0	0.005	0.012	0.02		<0.2		160	477	1220	0.01	1	FB13177480
				Highly fractured. Many small-scale cb stringers cross cut 6a.			N508265		82	84	2.0	0.007	0.009	0.018		<0.2		254	362	1340	0.08	1	FB13177480
				29-30.62m. Highly altered. Pervasive chl alteration. Gouge is present.			N508266		84	86	2.0	0.013	0.012	0.019		0.2		549	385	3010	0.07	1	FB13177480
			3g - Medium to	o coarse grained oxide melatroctolite			N508267		86	88	2.0	0.034	0.025	0.03		0.2		1010	344	1220	0.11	1	FB13177480
				20.58-21m. Sharp contact with 6a. The rock is dominated by med grained mag cumulate with lesser			N508268		88	90	2.0	0.006	0.017	0.013		<0.2		335	570	1990	0.04	1	FB13177480
				interstitial pl. Rock is cross cut by small syenite dikelet. 10% fine to med grained Ap disseminated			N508269		90	92	2.0	0.002	0.016	0.032		<0.2		156	738	190	0.03	1	FB13177480
				though the interval.			N508270		98	100	2.0	0.004	0.014	0.042		<0.2		113	747	70	<0.01	1	FB13177480
		_		25.8-26m. Same as 3g above.			N508271		100	102	2.0	0.009	0.014	0.032		<0.2		121	567	210	0.02	1	FB13177480
29.62	33.48	3g - Medium te	o coarse grained	d oxide melatroctolite Trace	o 0.5% dis	seminated sulphides	N508272		102	104	2.0	0.002	0.018	0.019		<0.2		106	731	170	<0.01	1	FB13177480
		_		Same as 3g above. Dark heterogeneous rock is dominated by fine to med grained mag with lesser		29.62-33.48m. Trace sulfides.	N508273		104	106	2.0	0.006	0.017	0.014		<0.2		241	678	480	0.02	1	FB13177480
		_		pl. rock shows great variation in pl content.			N508274		106	108	2.0	0.027	0.022	0.032		0.4		925	266	4800	0.11	1	FB13177480
		_	2k - Medium g	rained homogeneous gabbro			N508275	b				0.001	< 0.005	<0.001		<0.2		2	5	30	<0.01	1	FB13177480
		_		29.62-30.3m. Overall homogeneous. Dark grey rock is composed of med grained subhedral cpx			N508276		108	110	2.0	0.012	0.015	0.02		<0.2		458	475	3640	0.05	1	FB13177480
			ļ	with interstitial pl. no ophitic or subophitic texture. Moderate chl alteration. Contact with 3g diffuses.			N508277	1	110	112	2.0	0.013	0.007	0.009		0.3		1135	204	6200	0.18	1	ſB13177480
33.48	35.39	3b - Coarse g	rained, ophitic ga	abbro (>5mm) Trace	o 0.5% dis	seminated sulphides	N508278	1	112	114	2.0	0.021	0.009	0.01		0.2		770	181	7350	0.13	1	FB13177480
			l	abrupt into this unit. Heterogeneous rock is mainly composed of coarse grained pl and cpx with		33.48-35.39m. Trace sulfides.	N508279	1	114	116	2.0	0.008	0.005	0.006		0.3		1010	105	6080	0.16	1	(B13177480
				minor bt and mag. Ophitic texture is distinct. Mag is interstitial to pl. bt is likely secondary and			N508280	1	116	118	2.0	0.012	0.005	0.004		0.5		962	130	6630	0.33	1	FB13177480
				replacing cpx.cpx is also partially to completely replaced by chl and cb.rock shows great variation			N508281	1	118	120	2.0	0.007	< 0.005	0.002		<0.2		431	155	>10000	0.32	1	(B13177480
				in grain size.pl is locally replaced by pink albite. 5% med grained disseminated Ap.			N508282	1	120	122	2.0	0.004	0.005	0.005		<0.2		449	254	3260	0.61	1	FB13177480
35.39	38.11	3a - Medium g	rained, ophitic g	jabbro (<5mm) Trace	o 0.5% dis	seminated sulphides	N508283		122	124	2.0	0.005	< 0.005	< 0.001		0.2		373	44	>10000	0.1	1 1	FB13177480

	GEOLOGY			Mineralization	SAMPLE		INTERVAL		WIDTH	Au	Pt	Pd	Rh	TPGM	Ag	Cu	Cu	Ni	Р	S	С	Job		
From	То	Maj Rock	Min Rock	Comments	Mineraliz	Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	#
			abrupt into this u	unit. Heterogeneous. Composed of med grained pl and cpx with minor bt and mag.		35.39-38.11m. Trace sulfides.	N508284		124	126	2.0	0.003	< 0.005	<0.001			0.2		352	37	>10000	0.08		TB13177480
			subophitic textur	e. Cpx is partially replaced by chl and bt.at the contact with 3b below rock is			N508285		126	128	2.0	0.002	< 0.005	<0.001			<0.2		365	30	>10000	0.05		TB13177480
			relatively rich in a	ap. 8-10% fine grained Ap disseminated from 38-38.11m.			N508286		128	130	2.0	0.002	< 0.005	<0.001			0.2		427	28	>10000	0.07		TB13177480
38.11	53.00	3b - Coarse g	rained, ophitic gabbro (>5mm)		Trace to 0.5% dis	sseminated sulphides	N508287		130	132	2.0	0.002	< 0.005	0.002			<0.2		323	91	6170	0.23		TB13177480
			abrupt into this u	init. Heterogeneus rock mainly composed of coarse grained pl and cpx with minor		38.11+53m. Trace cpy. No visible po.	K008812		7.47	13	5.5											0.06	0.33	TB13165143
			bt and mag.distir	nct ophitic texture. Rock locally forms mixture zones of 3b and 3g. Mag content is			K008813		57	66	9.0											0.04	0.05	TB13165143
			varying though th	his interval. Moderate to strong chl alteration. Cpx is replaced by bt and chl.			K008814		66	74	8.0											0.05	0.05	TB13165143
			pl is partially repl	laced by pink ab. 3-5% med grained Ap.			K008815		92	98	6.0											0.04	0.05	TB13165143
			46-50m. Rock is	highly fractured and shows pervasive chl alteration along the fractures.			K008816		132	141	9.0											0.39	0.09	TB13165143
			51-51.54m. Mixt	ure zone of 3b and 2a. 2a occurs as small-scale irregular patches.			K008817		141	147	6.0											0.3	0.14	TB13165143
			3g - Medium to coarse grained of	oxide melatroctolite			K008818		147	153	6.0											0.26	0.08	TB13165143
			41-41.64m, 41.9	-42.83m, 44.13-44.8m, 52.9-53m. Gradational with 3b. Dark rock is dominated by																				
			fine to med grain	ned mag with minor pl and cpx. Rock is likely mixture of 3g and 3b though 3g																				
			dominates. mode	erate chl alteration. Cpx is partially replaced by chl.																				
<b> </b>			5b - Augite syenite																					
			42.83-44.13. sha	arp contact with 3g. Pink rock is dominated by coarse grained kfs with minor cpx.																				
			rock is highly fra	ctured and has pervasive chl alteration. Cpx is almost completely replaced by chl.	l																			
			2a - Fine grained homogeneous	gabbro																				
			51.51-51.75m.																					
53.00	54.50	FZ - fault or sh	hear zone																					
			The rock in the F	FZ is dominated by 2k. 3g is present as a minor unit. Highly broken and altered. Chl																				
			alteration is perve	asive.																				
			3g - Medium to coarse grained of	oxide melatroctolite																				
			53-53.44m. San	me as 3g above. Strong chl alteration.																				
54.50	76.80	2k - Medium g	grained homogeneous gabbro		Trace to 0.5% dis	sseminated sulphides																		
			rock is the conti	inuation of 2k above. Dark grey rock is composed of med grained cpx with interstitial		54.5-76.8m. No visible sulfides.																		
			pl. no ophitic tex	xture. Cpx is subrounded. Pervasive chl alteration. Rock is cross cut by tiny chl-filled	-																			
			fractures. Cpx is	s almost completely replaced by chl.																				
76.80	80.16	3g - Medium t	o coarse grained oxide melatrocto		I race to 0.5% dis	sseminated sulphides																		
			The contact with	h 2k above is defined by a short interval of breccia zone.3g is highly heterogeneous		76.8-80.16m. Trace cpy.																		
			grain size and p	n content are varying trirough this interval. Rock locally forms mixture zones of 3g																				
			and 30 where 0	princ texture is present.																				
			70.8-77.00III. B																					
			3d - Very coarse grained to peg	matitic ophitic rahbro																				
			77 65-78 sharp	contact with the breccia zone. Gradational with 3a below. Reamatitic and sub-																				
			onhitic Heteron	enerule. Rock shows areat variation in man content																				
80.16	105.76	2k - Medium c	rained homogeneous gabbro																					
			Same as 2k abov	ve. Dark grey rock is composed of med grained cpx with interstitial pl. no ophitic																				
			texture. Cox is s	subrounded. Pervasive chl alteration (and chl-filled healed fractures).																				
			3d - Very coarse grained to pegr	matitic, ophitic gabbro																				
			83-83.4m, 88.3-	-88.59m, 93.71-93.91m. Sharp contact with 2k. Heterogeneous. Ophitic to sub-																				
			ophitic. Strong of	chl alteration. Pl is partially replaced by ab (?).																				
			5b - Augite syenite																					
			83.4-83.52m, 8	7.45-87.6m. Grey rock is composed of med to coarse grained Kfs and cpx.																				
			pervasive chl an	nd cb alteration. Kfs and cpx are strongly altered. Contact with 2k and the MS units.																				
			3g - Medium to coarse grained of	oxide melatroctolite																				
			86.82-86.95m, 8	87.06-87.45m, 87.6-88.05m. Dominated by med grained mag cumulate with																				
			minor pl. over 7	0% mag.																				
			3b - Coarse grained, ophitic gab	bbro (>5mm)																				
			100.47-101.45m	n. Sharp contact with 2k. 3b dike is nearly parallel to core axis.strong chl alteration.																				
105.76	108.45	3g - Medium t	o coarse grained oxide melatrocto	plite	Trace to 0.5% dis	sseminated sulphides																		
			sharp contact w	vith 2k above. Dark rock is dominated by med grained mag cumulate with minor pl		105.76-108.45m. Trace sulfides.																		
<b> </b>			and cpx. Hetero	geneous rock shows variation in pl content. Locally forms mixture zone of 3g and																				
			3b. Moderate ch	hl alteration.	l																			
			2k - Medium grained homogene	ious gabbro																				
			107.18-107.63m	n. Sharp contact with 3g. Present as xenolith. Strong chl alteration.																				
			2a - Fine grained homogeneous	gabbro	<u> </u>																			
1			105.92-106.06m	h. Sharp contact with 3g. Present as xenolith. Grey rock is composed of fine grained						1														

	GEOLO	OGY				Mineralization	SAMPLE INTERVAL WIDTH		Au	Pt	Pd	Rh T	PGM A	g	Cu	Cu	Ni	Р	S	С	Job			
From	То	Maj Rock	ັວ 22 Comments ≣	Mineraliz		Comments	NO.	QC	FROM	то		ppm	ppm	ppm	ppm	ıpm pp	m	%	ppm	ppm	ppm	%	%	#
			pl and cpx. Weak chl alteration.																					
108.45	121.81	2d - Fine grain	ed gabbro with MS intrusions	Trace to 0.5% dis	sseminated sulphides																			
			sharp contact with 3g above. The interval is dominate dy the Fine Grained Series with 3d and 3g		108.45-121.81m. Over	rall, trace sulfides.																		
			present as minor units. The Fine Grained Series is represented by 2a and 2k but 2a is predominant.	0.5% to 1% diss	eminated sulphides																			
			111.37-112.9m. Mixture zone between 2a and 3b though 2a is predominant.		116.7-117.4m. 0.5% s	ulfides (po:cpy=5:1).																		
			3g - Medium to coarse grained oxide melatroctolite																					
			108.58-108.74m. Sharp contact with 2a. Same as previous but relatively rich in pl.																					
			3b - Coarse grained, ophitic gabbro (>5mm)																					
			108.89-109m, 110.93-111.37m, 112.39-111.45m, 116.7-117.4m, 117.74-119.39m, 119.46-79m. Sharp																					
			contact with 2a. Heterogeneous. Ophitic to subophitic. Rock shows variation in grain size. Locally																					
			albitized. Cpx is partially replaced by chl and cb.																					
			5b - Augite syenite																					
			113.56-113.67m.																					
121.81	131.27	3b - Coarse gr	ained, ophitic gabbro (>5mm)	Trace to 0.5% dis	sseminated sulphides																			
			sharp contact with 2d above. Same as 3b above but relatively homogeneous. Ophitic texture is		121.81-131.27m. Trac	e sulfides.																		
			distinct. Moderate chl alteration. Pl is partially replaced by pink ab.																					
131.27	153.00	1a - Footwall r	neomorphic intrusive breccia	Trace to 0.5% dis	sseminated sulphides																			
			sharp contact with 3b above. Felsic rock shows chaotic texture. Locally banded.		no visible sulfides.																			
153.00		EOH - End of	Hole	-																				
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