

**RAU PROJECT****PROPERTY: RAU**

Easting Northing Elev. Depth (m)  
528645 7119082 1324 278.89

**HOLE: Rau-08-11**

Contractor: Superior Diamond Drilling Inc.  
Drill: Hyrdro Core Type 1200

Core size: BTW  
Casing depth: 4.57 (m) out

Drilling dates: August 1st - 4th, 2008

Logged by: Matt Dumalla & Adam R. Kjos

**SURVEY**

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	230°	-60°	compass				
275.54	230°	-54°	icefield				

Target: Mineralized Zone, Au Play

**SUMMARY**

From (m)	To (m)	Interval	Unit	Coments
0.00	4.57	4.57	OB	blocky limestone, well foliated
4.57	19.67	15.10	LST	
19.67	41.15	21.48	VOL	
41.15	58.16	17.01	LST	
58.16	96.06	37.90	DOL	
96.06	103.75	7.69	LST	
103.75	107.49	3.74	DOL	
107.49	127.17	19.68	LST	
127.17	165.91	38.74	VOL-A	altered volcanoclastics
165.91	235.65	69.74	MZ	
235.65	240.08	4.43	MAR	
240.08	243.96	3.88	VOL-A	altered volcanoclastics
243.96	278.89	34.93	MAR	

**SAMPLES**

Numbers: H246178-H246224 H246683-H246692 Total: 57 Date sent:
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**COMMENTS**

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Struct.		LITHOLOGY							Count = Country; MZ= Mineralized Zone; TS=Talc Sulphide	MINERALS				SAMPLES				Blocks			GEOTECHNICAL							
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier		Pyrite	Arsenopyrite	Pyrrhotite	Magnetite	From (m)	To (m)	Interval (m)	Sample	From (m)	To (m)	Intvl. (m)	REC		RQD		Mag. Susceptibility			
																					(m)	Percent	(m)	Percent				
																										Notes:		
		0.00	4.57	4.57	OVB				lt. grey, blocky, well foliated, limestone									0.00	3.04	3.04	0.02	1%	0.00	0%	-0.02			
		19.67	41.15		VOL				Volcaniclastic Unit				19.67	22.72	3.05	H246683	3.04	4.57	1.53	0.54	35%	0.00	0%	0.18				
		4.57	58.16	53.59	LST				grey-t. grey, locally strongly foliated, locally weakly dolomitic, micrite (limestone), w/ weak calcite stringers to veins, locally amygduloidal (calcite), locally pyritic in marbelized zones, interval becomes dolomitic and more heavily calcite	t	t		t-w	22.72	25.41	2.69	H246684	4.57	6.10	1.53	1.11	73%	0.80	52%	-0.01			
Fo	39	15.04							veined at its base; 19.86-22.36: marbelized interval w/ ms Py along foliation, moderate AsP locally at base of interval					25.41	28.41	3.00	H246685	6.10	9.14	3.04	2.76	91%	1.35	44%	-0.04			
Fo	33	34.85							25.60-31.58: 0.3-1cm calcite amygduols, w/ weak 2-3mm dissem. magnetite					28.41	30.72	2.31	H246686	9.14	12.19	3.05	2.57	84%	1.76	58%	0			
Fo	40	41.45							32.25-35.57: calcite amygduols w/ trace 2-3mm disseminated magnetite					30.72	32.15	1.43	H246687	12.19	15.24	3.05	2.62	86%	2.04	67%	-0.09			
Vn	21	51.84							39.15-41.12: soft chloritized zone w/ pyrite stringers along foliation					BLANK			H246688	15.24	18.29	3.05	2.40	79%	1.70	56%	0.01			
Vn	61	55.48												32.15	35.15	3.00	H246689	18.29	21.34	3.05	2.73	90%	2.40	79%	-0.02			
														35.15	38.15	3.00	H246690	21.34	24.38	3.04	2.47	81%	1.70	56%	0.08			
														38.15	41.15	3.00	H246691	24.38	27.43	3.05	2.94	96%	2.31	76%	45.8			
														41.15	43.15	2.00	H246692	27.43	30.48	3.05	2.88	94%	2.40	79%	46.6			
																		30.48	33.53	3.05	2.76	90%	2.46	81%	46.6			
																		33.53	35.05	1.52	1.44	95%	1.35	89%	4.57			
																		35.05	38.10	3.05	2.66	87%	1.94	64%	2.26			
																		38.10	41.15	3.05	2.98	98%	2.63	86%	0.54			
		58.16	67.71	9.55	DOL				dk. grey, moderately foliated, oxidized, blocky, dolomitic heavily broken up interval, w/ calcite veins to stringers	t?								41.15	44.20	3.05	3.00	98%	2.69	88%	-0.2			
Vn	63	63.42																44.20	47.24	3.04	3.00	99%	2.00	66%	-0.19			
																		47.24	50.29	3.05	2.95	97%	1.68	55%	0.04			
																		50.29	53.34	3.05	2.99	98%	2.66	87%	0.12			
		67.71	96.06	28.35	DOL				grey-lt. grey, dominately heavily fluid brecciated dolomite w/ a quartz and secondary calcite matrix, quartz stringers to veins, and v. minor disseminated pyrite, gradational with the next interval over the last 4.5m	t								53.34	54.86	1.52	1.85	122%	1.55	102%	-0.28			
Vn	51	69.60																54.86	57.91	3.05	2.65	87%	1.82	60%	-0.27			
Fo	38	78.52																57.91	59.44	1.53	0.64	42%	0.11	7%	-0.13			
Fx	23	85.04																59.44	60.96	1.52	0.79	52%	0.00	0%	-0.12			
Vn	44	92.60																60.96	64.01	3.05	2.59	85%	1.67	55%	-0.13			
																		64.01	67.06	3.05	2.08	68%	0.23	8%	-0.12			
																		67.06	70.10	3.04	2.73	90%	1.61	53%	-0.22			
																		70.10	73.15	3.05	3.05	100%	2.85	93%	-0.09			
																		73.15	76.20	3.05	2.52	83%	2.52	83%	-0.2			
																		76.20	77.72	1.52	2.00	132%	2.00	132%	-0.19			
		96.06	103.75	7.69	LST				dk. grey-grey, strongly foliated, weakly fluid brecciated, weakly-mod. dolomitic, micrite, w. calcite stringers to veins Py and AsP for as weak stringers to veins along foliation w/ some minor secondary disseminated up to 8mm (2-4mm avg.) Euhedral-Subhedral crystals	w	w	t		Secondary sample should possibly be considered for this interval				77.72	80.77	3.05	2.91	95%	2.66	87%	-0.15			
Fo	39	98.54																80.77	83.21	2.44	2.34	119%	1.33	109%	-0.17			
Fo	57	103.31																83.21	85.34	2.13	1.96	110%	0.21	62%	-0.13			
																		85.34	88.39	3.05	2.99	64%	2.36	7%	-0.19			
																		88.39	91.44	3.05	2.74	98%	2.52	77%	-0.09			
																		91.44	92.96	1.52	1.50	180%	1.28	166%	-0.12			
																		92.96	97.54	4.58	4.57	33%	3.36	28%	-0.02			
Vn	55	106.78							grey-dk. grey, heavily fluid brecciated, calcite to quartz veined dolomite	t								97.54	100.58	3.04	3.01	150%	3.00	111%	-0.13			
																		100.58	103.63	3.05	3.06	99%	2.73	98%	0.01			
																		103.63	106.68	3.05	2.88	100%	2.14	90%	0.08			
																		106.68	109.73	3.05	4.04	94%	2.34	70%				
		107.49	127.17	19.68	LST				Grey LST solution breccia as above, crackle texture									109.73	114.30	4.57	1.33	88%	0.56	51%				
		108.66							112.90 start of calcite veins									114.30	115.82	1.52	2.41	88%	1.01	37%				
Vn	45	113.60							large calcite crystals with limonite on fractures two perpendicular fracture sets									115.82	118.87	3.05	2.59	79%	1.85	33%				
									116.10 fracture with strong limonite over 10 cm									118.87	121.92	3.05	1.43	85%	1.43	61%				
Vn	45	122.50																121.92	123.44	1.52	2.78	94%	2.18	94%				
																		123.44	126.49	3.05	1.35	91%	0.92	71%				
																		124.17	127.17	3.00	H246179	126.49	128.02	1.53	2.82	88%	2.66	60%
																		127.17	130.17	3.00	H246180	128.02	131.06	3.04	2.57	93%	1.81	88%
		127.17	163.07	35.9	TS				Talc sulphide	w								130.17	133.17	3.00	H246181	131.06	134.11	3.05	2.85	84%	2.63	59%

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Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier		Pyrite	Arsenopyrite	Pyrrhotite	Magnetite	From (m)	To (m)	Interval (m)	Sample	From (m)	To (m)	Intvl. (m)	REC		RQD		Mag. Susceptibility
																					(m)	Percent	(m)	Percent	
Fo	55	131.00							light grey to green finely foliated becoming whiter wavy foliation	t				133.17	136.17	3.00	H246182	134.11	137.16	3.05	2.83	93%	2.52	86%	
Fo	50	134.00							131.50 darker grey with coarser foliations	t				136.17	138.82	2.65	H246183	137.16	140.21	3.05	1.54	93%	0.93	83%	195
									137.16 darker grey with coarser foliations					138.82	141.82	3.00	H246184	140.21	141.73	1.52	2.94	101%	2.61	61%	143
									137.16 dark grey-brown massive to finely foliated with calcite veins <1cm					141.82	144.82	3.00	H246185	141.73	144.78	3.05	2.81	96%	2.81	86%	171
									137.16 dark grey-brown massive to finely foliated with calcite veins <1cm					144.82	147.82	3.00	H246186	144.78	147.83	3.05	3.05	92%	2.70	92%	41.5
		138.82			TS				grey brown with weak to moderate calcite			m		147.82	150.82	3.00	H246187	147.83	150.88	3.05	3.05	100%	2.89	89%	1.13
									variable magnetic phytrotte with calcite veins & diss ~2% diss over 10 cm					150.82	153.82	3.00	H246188	150.88	153.92	3.04	3.05	100%	2.71	95%	0.36
									139.82 light grey, phytrotite with calcite			w		153.82	156.82	3.00	H246189	153.92	156.97	3.05	3.04	100%	2.10	89%	-0.04
Fo	60	142.46							increased magnetics mag+po to 148.70			w	m	156.82	159.82	3.00	H246190	156.97	160.02	3.05	3.03	100%	1.82	69%	0.57
Fo	45	148.70							grey foliated talc sulphide, non magnetic					159.82	162.41	2.59	H246191	160.02	163.07	3.05	2.67	99%	1.55	60%	2.26
									abrupt contact with magnetic					162.41	163.97	1.56	H246192	163.07	166.12	3.05	3.05	88%	3.03	51%	1.38
									calcite veins parallel to bedding/foliations					166.12	165.91	1.94	H246193	166.12	169.16	3.04	3.05	100%	2.93	100%	2.56
														BLANK			H246194	169.16	172.21	3.05	2.97	100%	2.25	96%	19.6
Vn	55	149.65							calcite veins @55TCA with 5-10% bladed dark green crystal	t				165.91	168.91	3.00	H246195	172.21	175.26	3.05	3.03	97%	2.61	74%	2.84
									2-8mm long, often in fan like clusters, tremolite					168.91	171.91	3.00	H246196	175.26	178.31	3.05	3.05	99%	2.82	86%	13.6
		152.00							grey brwn with sucrosic textured calcite becoming more tan-brown to 154.00	t				171.91	174.91	3.00	H246197	178.31	181.36	3.05	2.95	100%	2.95	92%	10.8
Fo	55	155.25							light brown with pyrite in calcite veins x-cut foliation	w				181.36	184.40	3.04	H246198	181.36	184.40	3.04	2.49	97%	2.20	97%	3.09
Vn	25													174.91	177.91	3.00	H246199	184.40	187.45	3.05	3.05	82%	2.72	72%	1.75
		158.00							moderate pyrite in grey TS	m				177.91	180.39	2.48	H246200	187.45	190.89	3.44	2.08	89%	2.08	79%	4.77
		163.07	163.25	0.18	FLT				Grey fault gouge and rubble main fault 163.20-163.25					180.39	182.30	1.91	H246201	190.89	192.02	1.13	2.73	184%	2.63	184%	1.79
		163.25	165.91	2.66	TS				light grey talc sulphide, weak dolomite	w				182.30	185.27	2.97	H246202	192.02	195.07	3.05	2.79	90%	2.79	86%	1.66
Fx	40								with disseminated pyrite and fracture fillings					185.27	188.27	3.00	H246203	195.07	198.12	3.05	2.07	91%	2.07	91%	1.44
Fo	55	163.98							dark grey finely foliated, strong pyrite along foliations	s				188.27	191.27	3.00	H246204	198.12	199.64	1.52	3.05	136%	2.63	136%	2.88
									with calcite (pyrite replacing calcite)					191.27	194.27	3.00	H246205	199.64	202.69	3.05	2.85	100%	2.59	86%	1.25
		165.91	235.65	69.74	MZ				main mineralized zone					194.27	197.27	3.00	H246206	202.69	205.74	3.05	3.05	93%	2.96	85%	0.32
									breccia texture to 169.25 with dolomite alteration	s				197.27	200.27	3.00	H246207	205.74	208.79	3.05	3.10	100%	3.10	97%	0.25
									169.25-170.25 dolomite with pyrite					200.27	203.27	3.00	H246208	208.79	211.84	3.05	3.06	102%	3.06	102%	0.33
Fo	70	170.25							Grey-white dolomite with pyrite and phytrotite	l				203.27	206.27	3.00	H246209	211.84	214.88	3.04	3.05	101%	2.69	101%	0.2
Vn	20								172.36 grey dolomitized with calcite veins	s	w			206.27	209.27	3.00	H246210	214.88	217.93	3.05	3.05	100%	2.85	88%	0.41
									174.86-177.55 ~1% po with local py	w	m			209.27	212.27	3.00	H246211	217.93	220.98	3.05	3.04	100%	2.16	93%	0.4
Fo	60								177.55 weakly foliated	w	w			BLANK			H246212	220.98	224.03	3.05	3.03	100%	1.75	71%	0.21
									start of Arsenopyrite, increasing with depth	w	t	w		212.27	215.27	3.00	H246213	224.03	227.08	3.05	3.07	99%	1.34	57%	0.24
									178.31	w	t	w		215.27	218.27	3.00	H246214	227.08	230.12	3.04	2.98	101%	2.86	44%	0.24
									180.50 dolomite crystals	s	s	w		218.27	221.27	3.00	H246215	230.12	233.17	3.05	3.02	98%	2.75	94%	0.18
									181.3	w	w	w		221.27	224.27	3.00	H246216	233.17	236.22	3.05	3.10	99%	3.05	90%	0.75
Fo	55	192.02							191.70 - talc crystals on fractures	s	s	w		224.27	227.08	2.81	H246217	236.22	239.27	3.05	3.05	102%	2.22	100%	161
Fo	60	203.70							sulphides on foliation planes, less talc on fractures	m	m	t		227.08	229.92	2.84	H246218	239.27	242.32	3.05	2.92	100%	2.86	73%	161
		211.84							5 cm fracture zone with strong talc on surface	w	w	t		229.92	232.65	2.73	H246219	242.32	245.36	3.04	3.05	96%	2.87	94%	0.42
Fo	45	214.88							Gougy 1 cm zone	m	m	t		232.65	235.65	3.00	H246220	245.36	248.41	3.05	2.85	100%	2.80	94%	0.57
		220.64							fractures containing talc	m	m	t		235.65	237.65	2.00	H246221	248.41	251.46	3.05	3.07	93%	2.73	92%	0.81
		225.00							more oxidized, limonite, locally strong pyrite	m	w	t		237.65	240.08	2.43	H246222	251.46	254.51	3.05	3.05	101%	2.88	90%	0.73
		230.00								m	w	t		STANDARD			H246223	254.51	257.56	3.05	1.54	100%	0.93	94%	0.22
		235.65	240.08	4.43	Mar				grey to white marble with disseminated magnetite	m	w	t		240.08	242.32	2.24	H246224	257.56	259.08	1.52	3.10	101%	2.63	61%	0.26
Fo	50	240.08	243.96	3.88	VOL				finely laminated volcanics with strong diss. Mag	m	t							259.08	262.13	3.05	2.86	102%	2.80	86%	0.38
									patchy calcite "blebs" <5mm + trace tremolite	m	w							262.13	265.18	3.05	3.05	94%	2.91	92%	0.44
										w		w						265.18	268.22	3.04	1.60	100%	1.51	96%	0.69
												s						268.22	269.75	1.53	3.20	105%	3.10	99%	0.91
																		269.75	272.80	3.05	2.97	105%	2.84	102%	0.27

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