

RAU PROJECT

PROPERTY: RAU

Easting Northing Elev. Depth (m)
528541 7119240 1192 233.78

HOLE: Rau-08-18

Contractor: Superior Diamond Drilling
Drill:

Core size: BTW
Casing depth: 3.04 (m) in

Drilling dates:

Logged by: M.R.Dumala

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	230°	-60°	compass				
230	230°	-62°	acid				

Target: down dip extension of Rau-08-06

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	4.00	4.00	OVB	
4.00	74.53	70.53	DOL	
74.53	102.72	28.19	VOL-A	altered volcanoclastic
102.72	121.04	18.32	LST	
121.04	128.02	6.98	DOL	
128.02	175.36	47.34	MZ	
175.36	196.23	20.87	VOL-A	altered volcanoclastic
196.23	211.01	14.78	DOL	
211.01	233.78	22.77	PY	massive pyrite

SAMPLES

Numbers: H246710-H246800 H246851 Total: 92 Date sent:
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COMMENTS

hole terminated in massive pyrite, ran out of rods; casing left in; acid test only due to stuck core tube

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HOLE: RAU-08-18

Struct.		LITHOLOGY							Notes:	MINERALS			SAMPLES				Blocks			GEOTECHNICAL				
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier		Pyrite	Phyrotite	Arsenopyrite	From (m)	To (m)	Interval (m)	Sample	From (m)	To (m)	Intvl. (m)	REC		RQD		Magnetic Susceptibility
																				(m)	Percent	(m)	Percent	
		0.00	4.00	4.00	OVB				overburden, mostly from below															
		4.00	69.20	65.20	DOL		BX		brecciated dolostone															
													3.96	6.10	2.14	H246710	3.96	6.10	2.14	1.62	76	0.74	35	
													6.10	7.62	1.52	H246711	6.10	7.62	1.52	1.63	107	0.45	30	0.02
													7.62	10.67	3.05	H246712	7.62	10.67	3.05	2.81	92	1.69	55	-0.02
													10.67	13.72	3.05	H246713	10.67	13.72	3.05	2.57	84	1.90	62	0.05
FO	50	14.75											13.72	16.72	3.00	H246714	13.72	16.46	2.74	2.87	105	2.02	74	-0.03
FO	70	18.00											16.72	19.72	3.00	H246715	16.46	18.29	1.83	1.90	104	1.59	87	0.03
													19.72	22.72	3.00	H246716	18.29	21.34	3.05	2.90	95	2.36	77	0.03
													STANDARD			H246717	21.34	24.38	3.04	2.65	87	2.13	70	0.00
													22.72	25.72	3.00	H246718	24.38	27.43	3.05	3.05	100	2.85	93	0.00
													25.72	28.72	3.00	H246719	27.43	30.48	3.05	3.05	100	2.82	92	0.00
													28.72	31.72	3.00	H246720	30.48	32.92	2.44	2.18	89	1.96	80	0.02
													31.72	34.72	3.00	H246721	32.92	35.05	2.13	2.09	98	1.94	91	0.00
		35.10							Grey-white zoned dolomite matrix with black needly mineral (amphibole?)															
													34.72	37.72	3.00	H246722	35.05	37.80	2.75	2.68	97	2.29	83	0.01
													37.72	40.72	3.00	H246723	37.80	39.62	1.82	1.49	82	1.39	76	0.03
													40.72	43.72	3.00	H246724	39.62	41.76	2.14	2.62	122	2.42	113	0.00
													43.72	46.72	3.00	H246725	41.76	44.20	2.44	2.05	84	1.74	71	0.04
													46.72	49.72	3.00	H246726	44.20	45.72	1.52	1.43	94	0.93	61	0.01
													49.72	52.72	3.00	H246727	45.72	48.77	3.05	2.77	91	2.37	78	-0.02
													BLANK			H246728	48.77	51.82	3.05	3.10	102	2.79	91	0.02
													52.72	55.72	3.00	H246729	51.82	53.34	1.52	1.74	114	1.62	107	0.03
													55.72	58.72	3.00	H246730	53.34	54.86	1.52	1.52	100	1.51	99	0.00
		60.00							stronger brecciation, some alteration															
									t				58.72	61.72	3.00	H246731	54.86	57.91	3.05	3.05	100	2.85	93	3.05
FO	60	65.41							w				61.72	64.72	3.00	H246732	57.91	60.96	3.05	3.01	99	2.62	86	4.30
									w				64.72	67.20	2.48	H246733	60.96	64.01	3.05	3.10	102	2.61	86	6.18
													67.20	69.20	2.00	H246734	64.01	67.06	3.05	3.05	100	2.62	86	14.10
FO	75	69.20	74.53	5.33	DOL				w				69.20	72.20	3.00	H246735	67.06	70.10	3.04	3.03	100	2.83	93	4.04
													72.20	74.53	2.33	H246736	70.10	73.15	3.05	3.04	100	2.29	75	6.43
FO	70	74.53	102.72	28.19	TS				w	t			74.53	77.53	3.00	H246737	73.15	76.20	3.05	3.10	102	2.78	91	4.47
													77.53	80.53	3.00	H246738	76.20	79.25	3.05	3.06	100	2.62	86	18.80
FO	65	82.50											80.53	83.53	3.00	H246739	79.25	82.30	3.05	3.05	100	2.68	88	11.60
FO	60	85.50											83.53	86.53	3.00	H246740	82.30	85.34	3.04	3.05	100	2.97	98	10.50
													86.53	89.53	3.00	H246741	85.34	88.39	3.05	2.96	97	2.33	76	3.95
FO	55	92.00											89.53	92.53	3.00	H246742	88.39	91.44	3.05	3.15	103	2.65	87	1.61
													BLANK			H246743	91.44	94.49	3.05	3.05	100	2.69	88	1.99
													92.53	95.53	3.00	H246744	94.49	99.36	4.87	3.05	63	2.70	55	1.29
FO	47	97.50							w				95.53	97.54	2.01	H246745	99.36	102.11	2.75	1.84	67	1.02	37	0.14
													97.54	100.54	3.00	H246746	102.11	105.16	3.05	2.97	97	2.48	81	1.14
FO	40	102.15							w				100.54	102.72	2.18	H246747	105.16	108.20	3.04	2.93	96	2.60	86	1.35
		102.72	121.04	18.32	LST		BX		w				102.72	105.72	3.00	H246748	108.20	111.25	3.05	3.00	98	2.73	90	0.59
VN	15												105.72	108.72	3.00	H246749	111.25	114.30	3.05	3.10	102	2.93	96	4.10
FO	62	111.00							w	t			108.72	111.72	3.00	H246750	114.30	117.04	2.74	2.59	95	2.08	76	11.80
FO	45	114.30							w	w			111.72	114.72	3.00	H246751	117.04	120.09	3.05	3.05	100	2.58	85	11.40
													114.72	117.04	2.32	H246752	120.09	121.92	1.83	2.06	113	1.90	104	0.57
													STANDARD			H246753	121.92	124.97	3.05	3.05	100	2.83	93	4.39
													117.04	119.04	2.00	H246754	124.97	128.02	3.05	2.97	97	2.97	97	6.84
													119.04	121.04	2.00	H246755	128.02	131.06	3.04	3.05	100	2.44	80	3.52
		121.04	128.02	6.98	DOL				w	w			121.04	124.04	3.00	H246756	131.06	134.11	3.05	3.15	103	2.58	85	10.30
		123.04							m	m			124.04	126.04	2.00	H246757	134.11	137.16	3.05	3.10	102	2.80	92	1.75
													126.04	128.02	1.98	H246758	137.16	140.21	3.05	3.05	100	2.83	93	3.74

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Struct.		LITHOLOGY							Notes:	MINERALS				SAMPLES				Blocks			GEOTECHNICAL				
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier		Pyrite	Phyrotite	Arsenopyrite		From (m)	To (m)	Interval (m)	Sample	From (m)	To (m)	Intvl. (m)	REC		RQD		Magnetic Susceptibility
																					(m)	Percent	(m)	Percent	
FO	30	128.02	175.36	47.34	MZ				main mineralized zone – dolomite	s	s	w		128.02	131.02	3.00	H246759	140.21	143.26	3.05	3.00	98	2.91	95	0.85
		129.00							foliation defined by sulphides	s	m	m		131.02	134.02	3.00	H246760	143.26	146.30	3.04	3.10	102	3.02	99	1.69
		134.00							sulphide foliation, more typical angle	s	m	m		134.02	137.02	3.00	H246761	146.30	149.35	3.05	3.08	101	2.99	98	1.89
FO	75								tiger striped texture					137.02	140.02	3.00	H246762	149.35	152.40	3.05	2.95	97	2.90	95	0.16
		135.00							py/as/po variable 1 to 10%	s	w	m		140.02	143.02	3.00	H246763	152.40	155.45	3.05	2.96	97	2.77	91	0.03
									Pyrite locally massive over 5-10 cm					143.02	146.02	3.00	H246764	155.45	158.50	3.05	2.04	67	2.02	66	0.11
FO	60	143.26							increased pyrite	s	t	m		146.02	149.02	3.00	H246765	158.50	161.54	3.04	3.05	100	2.57	85	0.44
		148.00							Massive to semimassive pyrite	l		m		149.02	152.02	3.00	H246766	161.54	164.59	3.05	3.05	100	2.62	86	0.15
		149.23				MA			Bands <1 m with <20% pyrite, overall ~60% pyrite	60		m		BLANK			H246767	164.59	167.64	3.05	3.05	100	2.36	77	0.08
FO	50								fine grain arsenopyrite forming along foliations				40	152.02	155.02	3.00	H246768	167.64	170.69	3.05	2.90	95	2.58	85	0.80
		155.70							1.4 m massive fine grain pyrite				95	155.02	161.02	3.00	H246770	170.69	173.74	3.05	3.03	99	2.21	72	0.20
									10-20% pyrite				15	158.02	161.02	3.00	H246771	173.74	176.78	3.04	3.05	100	2.90	95	1.55
FO	55	163.38												161.02	163.38	2.36	H246771	176.78	179.83	3.05	2.89	95	2.84	93	3.64
														163.38	166.34	2.96	H246772	179.83	182.88	3.05	3.10	102	3.05	100	4.22
									foliation defined by sulphides	s		w		STANDARD			H246773	182.88	185.93	3.05	3.05	100	2.91	95	4.05
FO	60	166.00												166.34	169.34	3.00	H246774	185.93	188.98	3.05	3.05	100	2.95	97	2.54
														169.34	172.36	3.02	H246775	188.98	192.02	3.04	3.02	99	2.94	97	3.91
														172.36	175.36	3.00	H246776	192.02	196.60	4.58	4.63	101	3.92	86	2.96
FO	60	175.36	196.23	20.87	TS				Brown-white, foliated talc sulphide, fizzes with acid	m	w			175.36	178.36	3.00	H246777	196.60	198.12	1.52	1.51	99	0.95	62	-0.03
									Phyrotite + brown glassy mineral, disseminated					178.36	181.36	3.00	H246778	198.12	200.86	2.74	2.62	96	2.39	87	-0.07
									(realgar?, sphallerite?....)					181.36	184.36	3.00	H246779	200.86	202.69	1.83	1.94	106	1.77	97	0.06
FO	60	184.00							Very fine, disseminated black crystals, trace amounts					184.36	187.36	3.00	H246780	202.69	205.74	3.05	3.01	99	2.37	78	0.04
														BLANK			H246781	205.74	208.79	3.05	3.03	99	2.71	89	0.11
															187.36	190.36	3.00	H246782	208.79	211.84	3.05	3.02	99	2.79	91
														190.36	193.36	3.00	H246783	211.84	214.88	3.04	2.83	93	2.22	73	0.08
														193.36	196.23	2.87	H246784	214.88	217.93	3.05	3.10	102	2.31	76	0.07
									graphitic interval, poor recovery (fault?)	w				196.23	198.23	2.00	H246785	217.93	220.98	3.05	3.10	102	2.70	89	0.04
									defines contact with dolomite breccia below					198.23	201.23	3.00	H246786	220.98	224.03	3.05	3.02	99	2.75	90	0.08
									brecciated dolomite, pyrite stronger near contact	t				201.23	204.23	3.00	H246787	224.03	227.08	3.05	3.05	100	2.26	74	0.06
														204.23	207.23	3.00	H246788	227.08	228.90	1.82	1.74	96	0.16	9	0.09
FO	60	204.00												207.23	210.01	2.78	H246789	228.90	230.12	1.22	0.95	78	0.22	18	0.15
														210.01	211.01	1.00	H246790	230.12	231.65	1.53	1.41	92	0.25	16	0.08
														STANDARD			H246791	231.65	233.78	2.13	2.40	113	1.48	69	0.09
CN	50	211.01	233.78	22.77	PY		MA	massive pyrite	99				211.01	213.01	2.00	H246792									
									contains small quartz inclusions + some calcite					213.01	216.01	3.00	H246793								
									silver mineral on fracture (bismuthinite?)					216.01	219.01	3.00	H246794								
														219.01	222.01	3.00	H246795								
									Red-yellow glassy mineral with quartz/calcite,					222.01	225.01	3.00	H246796								
									(realgar?, sphallerite?....)					225.01	228.01	3.00	H246797								
FO	60	218.75							also forming around pyrite crystals and fractures					228.01	230.12	2.11	H246798								
									foliation defined by fine grain pyrite bands					BLANK			H246799								
														230.12	231.65	1.53	H246800								
		233.78			EOH				hole terminated in massive pyrite, no more rods					231.65	233.78	2.13	H246851								