

- DIAMOND DRILL HOLE (HORIZONTAL PROJECTION)
- 120** PPM CU. (B HORIZON SOIL)
- 1P CHARGEABILITY CONTOUR (2 MILLISECOND INTERVAL)
- MAGNETIC CONTOUR (1000 GAMMA INTERVAL)

VANCO EXPLORATIONS LTD.	
ROLLING HILLS OPTION	
D.D.H. VRH-1, VRH-2, & VRH-3	
DRILL HOLE, GEOPHYSICAL AND GEOCHEMICAL COMPOSITE PLAN	
SCALE: 1" = 400'	DATE: JAN. 1966

VANCO EXPLORATIONS LTD.

1-2

DIAMOND DRILL HOLE RECORD

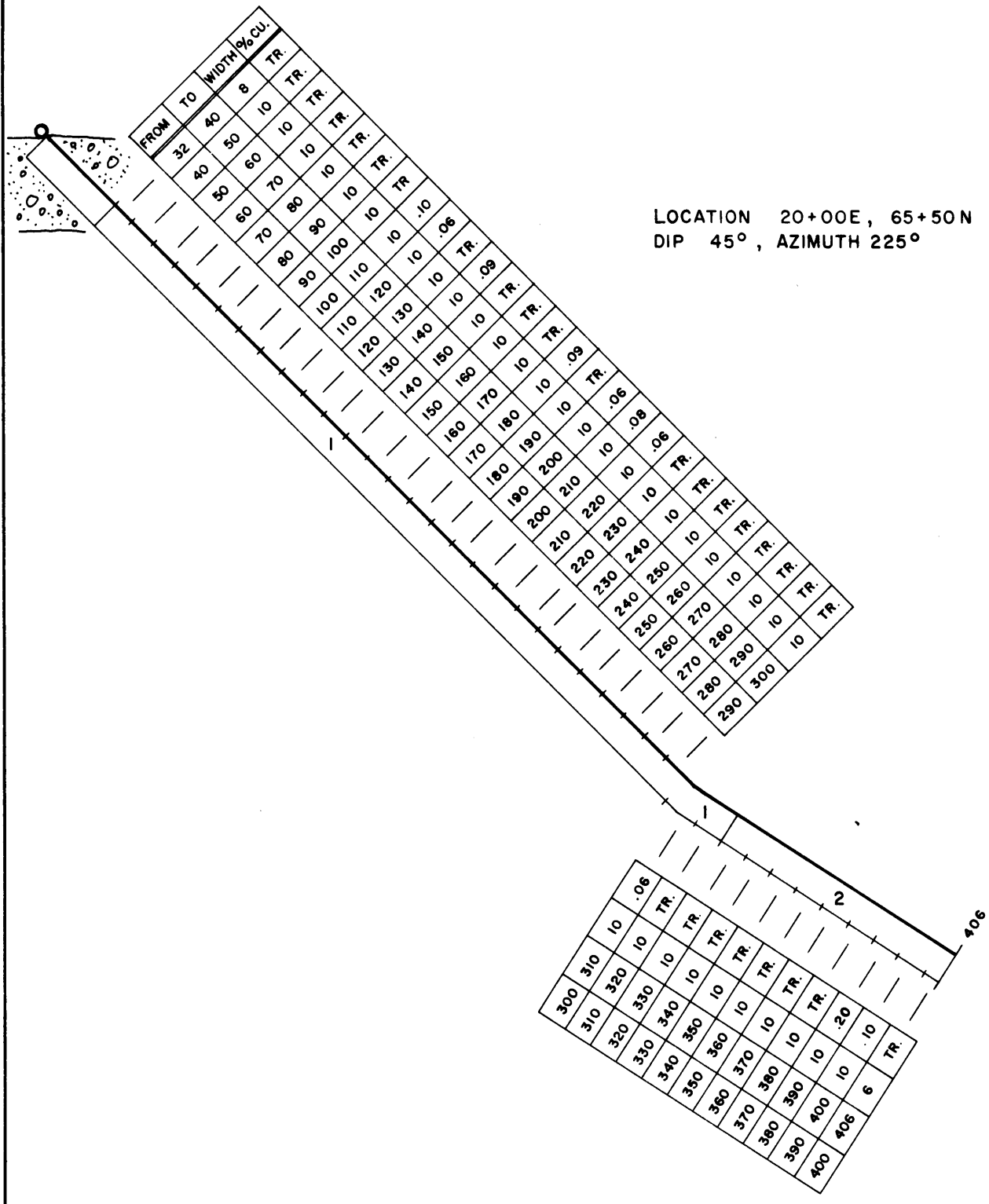
ROLLING HILLS DEPTH 406' DIP - 45° LOCATION 20 + 00 E START Nov. 18, 1965
 VRH - 1 COLLAR EL. AZIMUTH 225° 65 + 50 N FINISH Nov. 28, 1965

-2

1965

1965

To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
32'	Overburden.							
06'	DIORITE:							
	32-57: Heavily fractured, medium grained, weathered zone.	4281	32'	40'	8'	Trace		
		4282	40'	50'	10'	Trace		
	57-80: Sheared: medium grained diorite, grey green colour. Small orthoclase veinlets occur randomly throughout. Shearing is at 20° to 30° to core axis. Calcite occurs throughout as veinlets, stringers and disseminations. Unit contains 2% pyrite as disseminations and massive fracture fillings. Minor disseminated magnetite occurs throughout and hematite occurs on occasional fracture planes.	4283	50'	60'	10'	Trace		
		4284	60'	70'	10'	Trace		
		4285	70'	80'	10'	Trace		
		4286	80'	90'	10'	Trace		
		4287	90'	100'	10'	Trace		
		4288	100'	110'	10'	0.10		
		4289	110'	120'	10'	0.06		
		4290	120'	130'	10'	Trace		
		4291	130'	140'	10'	0.09		
		4292	140'	150'	10'	Trace		
		4293	150'	160'	10'	Trace		
	80-216: Albitized: moderately albitized diorite, possibly recrystallized, fine to medium grained, mottled pink and dark grey. Unit contains 25 to 35% mafic minerals, approximately 2% disseminated magnetite. Disseminated pyrite throughout with occasional massive fracture fillings. 3% calcite throughout as blebs and stringers.	4294	160'	170'	10'	Trace		
		4295	170'	180'	10'	0.09		
		4296	180'	190'	10'	Trace		
		4297	190'	200'	10'	0.06		
		4298	200'	210'	10'	0.08		
		4299	210'	220'	10'	0.06		



- 1 DIORITE
- 2 ALBITIZED DIORITE

VANCO EXPLORATIONS LTD.	
ROLLING HILLS OPTION	
D.D.H. No. VRH - I	DATE: DEC. 1965
	SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-6

PROPERTY ROLLING HILLS OPTION DEPTH 408' DIP 30' LOCATION 71 + 50 N START Nov. 28, 1965
 HOLE No. VRH - 2 COLLAR EL. _____ AZIMUTH 225' 36 + 00 E FINISH Dec. 8, 1965

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 54'	Overburden.							
54' - 69'	DIORITE: Fine to medium grained, mottled dark green, and pale grey. Ferromagnesian minerals heavily chloritized. Contains up to 10% disseminated pyrite. 54-58: Siliceous Zone: Heavily fractured and cut by small quartz veins.	1 2	54' 60'	60' 70'	6' 10'	0.07 Trace		
69' - 71'	POTASSIC ALTERATION ZONE: Massive, fine to medium grained. Buff to brick red colour caused by K-feldspar content (70%) which occurs as indistinct blebs and pods. Calcite veins and minor disseminated pyrite throughout.							
71' - 82.5'	DIORITE: Massive, medium grained, dark reddish grey colour. Orthoclase occurs throughout as small pods 1/10" diameter. Unit is cut by calcite and quartz calcite veins and contains 2% disseminated pyrite. Minor silicified zones occur throughout. Contacts are gradational but are characterized by dark grey green metadiorite. 81-82.5: Contains approximately 15% disseminated magnetite and considerable epidote alteration.	3	70'	80'	10'	0.06		
82.5' - 85'	DIORITE: Medium grained with 20% orthoclase as small blebs. Calcite occurs as small fracture fillings throughout. Unit contains 5% disseminated magnetite.							

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

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PROPERTY ROLLING HILLS OPTION DEPTH 408' DIP 30° LOCATION 71 + 50 N START Nov. 28, 1965
 HOLE No. VRH - 2 COLLAR EL. _____ AZIMUTH 225" 36 + 00 E FINISH Dec. 8, 1965

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
85' - 92'	METADIORITE: Fine grained, dark grey green, very hard (possibly silicified) Contains 10% epidote as veinlets and blebs and minor disseminated pyrite.	4	80'	90'	10'	Trace		
92' - 115'	POTASSIC ALTERATION ZONE: Unit is characterized by orthoclase which replaces in varying degrees all of the diorite constituents. Much chemical and textural variation throughout.	5	90'	100'	10'	0.06		
	92-101: Fracture Zone: 70% K-feldspar cut by quartz and calcite veins. Ferromagnesian minerals heavily chloritized. Minor finely disseminated pyrite throughout.	6	100'	110'	10'	0.18		
	101-103: Diorite: Fine grained, chloritic, disseminated magnetite and pyrite throughout.	7	110'	120'	10'	0.07		
	103-115: Diorite: Medium grained with 30% K-feldspar, 15% disseminated magnetite and minor pyrite.							
	103-106.8: 40% Core Recovery.							
	106.8-108: Lost Core							
	108-109: 25% Core Recovery.							
	109-111: 70% Core Recovery.							
115' - 121'	DIORITE: Fine grained, dark grey, massive, partially chloritized. 10% disseminated magnetite throughout.							
	119-121: 20% K-feldspar as blebs and stringers.							

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

3-6

PROPERTY ROLLING HILLS OPTION DEPTH 408' DIP 30 LOCATION 71 + 50 N START Nov. 28, 1965
 HOLE No. VRH - 2 COLLAR EL. _____ AZIMUTH 225 36 + 00 E FINISH Dec. 8, 1965

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
121' - 142'	DIORITE: Fine grained, massive, dark grey green. Contains 10% K-feldspar as above. Hornblende crystals occur as distinct laths in areas of increased potassium feldspar content. Chloritization variable over 4' widths, ranging from incipient to heavy. Occasional small chloritic shears at 20° to core axis. Minor quartz occurs as small (1/10") blebs. 141-141.5: Brecciated: Elongated pieces of diorite in a chlorite matrix. Sheared at 20° to core axis. 141-5-142: Albitite: Sheared parallel to core axis, contains minor quartz as small blebs.	8	120'	130'	10'	0.06		
		9	130'	140'	10'	0.08		
142' - 146'	ALBITIZED DIORITE: Pale grey, medium grained, upper contact sheared. 20% calcite as fracture fillings. 144-146: Albite content decreases from 80 to 50%.	10	140'	150'	10'	Trace		
146' - 166.5	K-FELDSPAR ZONE: Orthoclase replaces diorite as indistinct blebs, and constitutes 35% of rock mass. Mottled appearance caused by chlorite pods and undigested diorite. Unit is massive.	11	150'	160'	10'	0.06		
166.5' - 171.5	ALBITIZED ZONE: Massive, medium grained albitite at upper contact grades into imperfect diorite at 168'. 168-171.7: Breccia: Large angular pieces of diorite in a pale green chlorite and calcite matrix.	4294	160'	170'	10'	Trace		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

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PROPERTY ROLLING HILLS OPTION DEPTH 408' DIP 30° LOCATION 71 + 50 N START Nov. 28, 1965
 HOLE No. VRH - 2 COLLAR EL. _____ AZIMUTH 225° 36 + 00 E FINISH Dec. 8, 1965

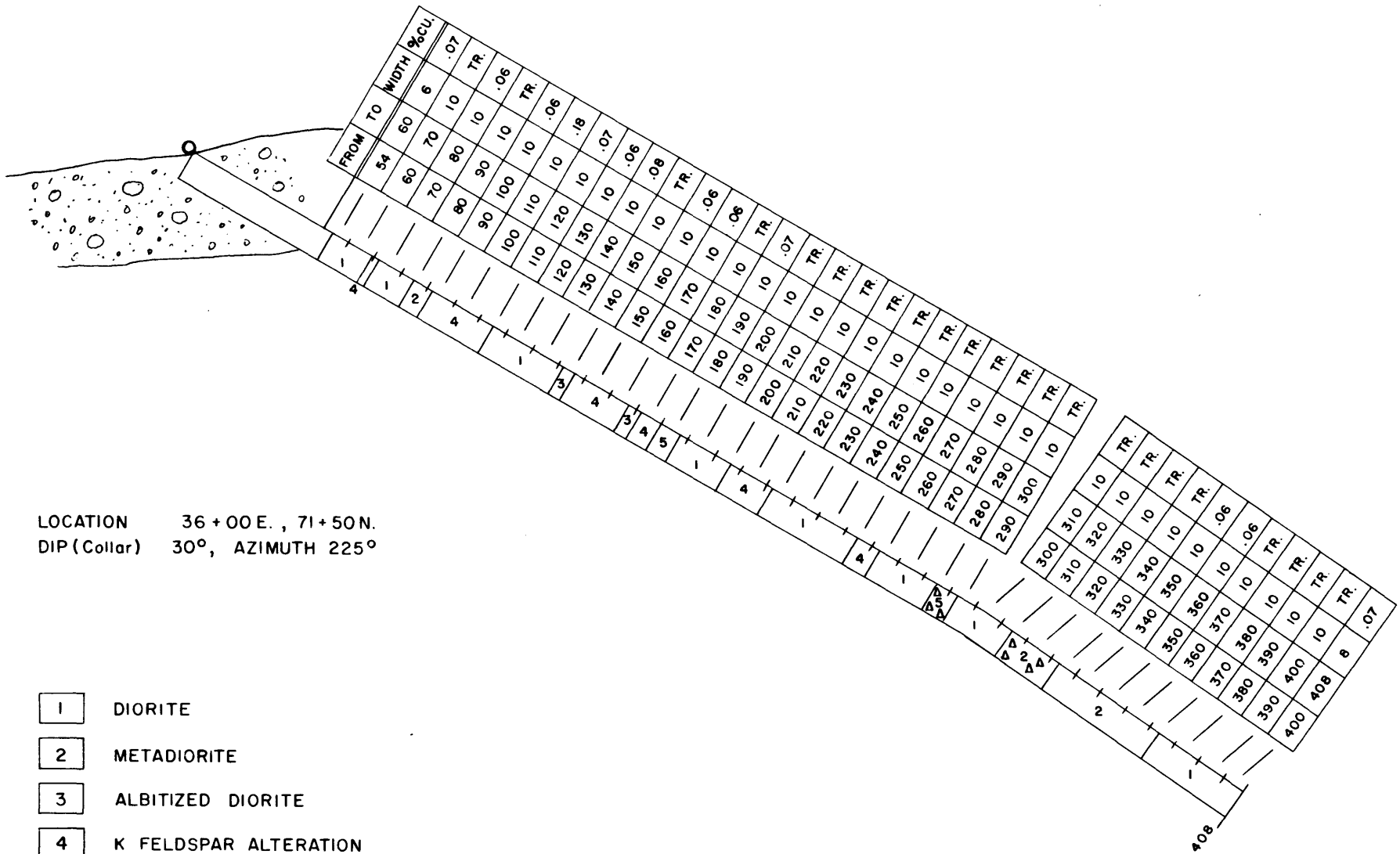
SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
171.5' - 179'	K-FELDSPAR ZONE: Medium grained, massive altered diorite. Buff to brick red colour. Unit is siliceous with free quartz occurring as small blebs. Irregular calcite stringers throughout.	4295	170'	180'	10'	0.09		
179' - 186'	CHLORITIC DIORITE: Gritty texture on core surface, pale green grey colour quite soft. Contains 3% disseminated magnetite.	4296	180'	190'	10'	Trace		
186' - 206'	DIORITE: Massive, fine to medium grained, mottled pale grey colour. Occasional calcite and/or chlorite filled fractures. Contains random zones up to 3" in which K-feldspar replaces diorite with pyrite and epidote mineralization. 2 to 3% disseminated magnetite throughout.	4297	190'	200'	10'	0.06		
		4298	200'	210'	10'	0.08		
206' - 222'	K-FELDSPAR ZONE: Medium grained diorite with 40% K-feldspar as indistinct pods and blebs. Ferro-magnesian minerals partially chloritized. Occasional small fracture zones with calcite as pods and fracture fillings. Chlorite fracture fillings contain disseminated and massive pyrite. Epidote alteration is associated with disseminated pyrite mineralization.	4299	210'	220'	10'	0.06		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

5-6

PROPERTY ROLLING HILLS OPTION DEPTH 408' DIP 30' LOCATION 71 + 50 N START Nov. 28, 1965
HOLE No. VRH - 2 COLLAR EL. _____ AZIMUTH 225' 36 + 00 E FINISH Dec. 8, 1965

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
222' - 254.4'	DIORITE: Massive, medium grained mottled pale grey, siliceous with free quartz as small blebs and stringers associated with calcite in fracture zones. Chlorite is confined to small blebs (1/10") and to fracture planes. Contains 1% disseminated pyrite and 3% very finely disseminated magnetite.	4300	220'	230'	10'	Trace		
		4351	230'	240'	10'	Trace		
		4352	240'	250'	10'	Trace		
254.4' - 262.5'	K-FELDSPAR ZONE: Fine to medium grained altered diorite. Red to pink colour. Unit varies from aphanitic K-feldspar replacing diorite constituents to incipient feldspathization of medium grained diorite. Minor chlorite as small blebs. Epidote alteration confined to small (3") zones. Calcite occurs as fracture fillings and stringers throughout. 2% pyrite occurs as disseminations and massive veinlets.	4353	250'	260'	10'	Trace		
262.5' - 285'	DIORITE: As in 222 - 254.4.	4354	260'	270'	10'	Trace		
		4355	270'	280'	10'	Trace		
		4356	280'	290'	10'	Trace		
285' - 293' <i>Carbonate rich</i> →	BRECCIA ZONE: Angular pieces of diorite and quartz calcite in a dark green chloritic matrix. Contains 1% disseminated pyrite.							
293' - 315'	RECRYSTALLIZED DIORITE: Massive, fine grained. Vuggy with calcite fracture fillings. Minor K-feldspar and epidote throughout.	4357	290'	300'	10'	Trace		
		4358	300'	310'	10'	0.06		



LOCATION 36+00 E., 71+50 N.
 DIP (Collar) 30°, AZIMUTH 225°

- 1 DIORITE
- 2 METADIORITE
- 3 ALBITIZED DIORITE
- 4 K FELDSPAR ALTERATION
- 5 CHLORITIZED DIORITE
- ▲▲▲ BRECCIATED

VANCO EXPLORATIONS LTD.	
ROLLING HILLS OPTION	
D.D.H. No. VRH-2	DATE: DEC. 1965
	SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY ROLLING HILLS DEPTH 402' DIP - 30 LOCATION 68 + 00 N START Dec. 9, 1965
 HOLE No. VRH - 3 COLLAR EL. _____ AZIMUTH 225 36 + 00 E FINISH Dec. 21, 1965

SECTION		DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
From	To						% Cu	%	%
0'	72'	Overburden.							
72'	402'	DIORITE: 72-78: Pale grey, medium grained, massive, ferromagnesium minerals, partially chloritized. Contains 2% disseminated magnetite and 2% pyrite as disseminations and fracture fillings. 50% Core recovery. 78-83: Chlorite Epidote Zone: Blebs of epidote (2/10") in a dark green chlorite matrix. Calcite occurs as disseminations and fracture fillings. 25% Core recovery. 83-114: K-feldspar Alteration Zone: Medium grained, massive, mottled red, grey and dark green colour. K-feldspar constitutes 25% of mass, replacing albite as blebs and pods. Considerable biotite as small books and chloritic pods. Unit contains 5% disseminated magnetite and 2% pyrite as disseminations and fracture fillings. 95% core recovery. 114-117: Biotite Zone: Fine grained diorite with minor (5%) K-feldspar: colour is dappled grey and black. 25% chloritic biotite as small books. 117-138: K-feldspar Zone: Massive unit mottled grey, dark green and pink. Standard country rock subjected to K-alteration. Dark green chlorite pods throughout. 5-10% disseminated magnetite.	37	72'	80'	8'	0.07		
			38	80'	90'	10'	Trace		
			39	90'	100'	10'	Trace		
			40	100'	110'	10'	0.06		
			41	110'	120'	10'	Trace		
			42	120'	130'	10'	Trace		
			43	130'	140'	10'	Trace		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

2-3

PROPERTY ROLLING HILLS DEPTH 402' DIP - 30° LOCATION 68 + 00 N START Dec. 9, 1965
HOLE No. VRH - 3 COLLAR EL. _____ AZIMUTH 225' 36 + 00 E FINISH Dec. 21, 1965

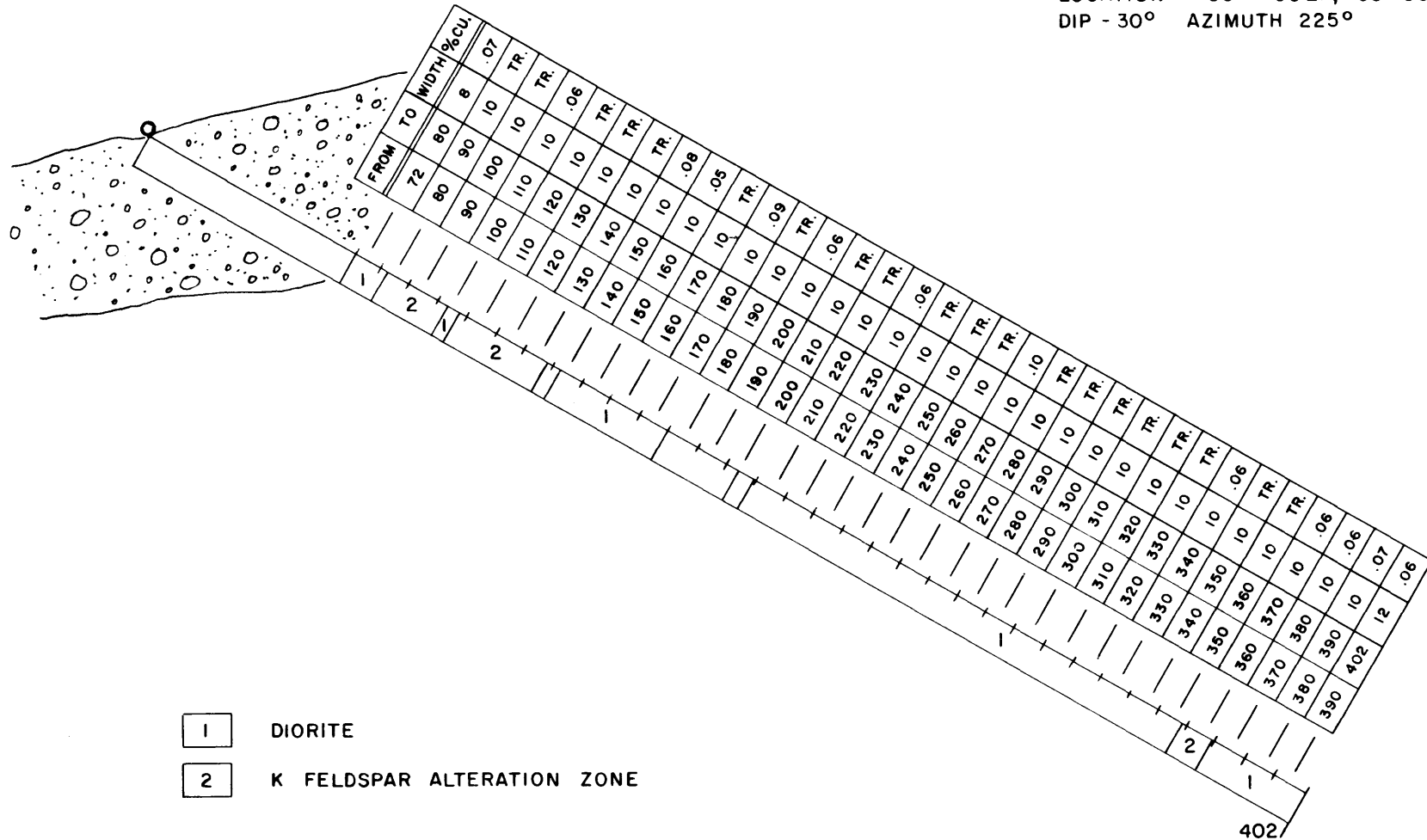
SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
72' - 402' (Contd)	138-156: Medium grained, massive diorite, with ½" pods of chlorite hornblende. Mottled pale grey and dark green appearance. Contains 10% finely disseminated magnetite.	44	140'	150'	10'	0.08		
		45	150'	160'	10'	0.05		
	156-180: Medium grained, 25% albite, 20% chlorite hornblende, minor epidote alteration with occasional blebs of K-feldspar. Contains 4% disseminated magnetite.	46	160'	170'	10'	Trace		
		47	170'	180'	10'	0.09		
	180-187: K-feldspar Zone: Medium grained diorite replaced by 15% K-feldspar as indistinct blebs, and stringers, mottled grey, red and dark green appearance. Contains minor disseminated pyrite and 5% disseminated magnetite.	48	180'	190'	10'	Trace		
		49	190'	200'	10'	0.06		
	187-197: As in 156 to 180.							
	197-203: K-feldspar Zone as in 180 to 187.							
	203-205: Shear Zone: Sheared at 45 to core axis. Mottled, pale and dark green. Incipient K-feldspar alteration. Vuggy. 1% disseminated pyrite.	50	200'	210'	10'	Trace		
		205-210: Alteration Zone: Re-crystallized diorite, dark mottled grey. 15% K-feldspar. Very hard and siliceous with occasional pods of free quartz. Contains 3% magnetite as massive blebs (approx. 1" diameter) Contacts very gradational.						

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY ROLLING HILLS DEPTH 402' DIP - 30° LOCATION 68 + 00 N START Dec. 9, 1965
 HOLE No. VRH - 3 COLLAR EL. - AZIMUTH 225° 36 + 00 E FINISH Dec. 21, 1965

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
72' - 402' (Contd)	210-359: Medium grained, massive with occasional chloritic slips and small shears at various angles to core axis. Incipient albitization throughout. Contains 5-10% finely disseminated magnetite and minor disseminated pyrite. Minor variations occur throughout, but this essentially is one homogeneous unit. 359-369: K-feldspar Zone: K-feldspar replacing albite in a medium to coarse grained diorite. Siliceous with free quartz occurring as small pods. Minor disseminated pyrite throughout. Lower contact heavily fractured. 369-402: Massive fine to medium grained, 15% chloritic hornblende. Siliceous. Contains 5% disseminated magnetite and minor disseminated pyrite. Occasional blebs of K-feldspar and blebs (2") of epidote.	51	210'	220'	10'	Trace		
		52	220'	230'	10'	0.06		
		53	230'	240'	10'	Trace		
		54	240'	250'	10'	Trace		
		55	250'	260'	10'	Trace		
		56	260'	270'	10'	0.10		
		57	270'	280'	10'	Trace		
		58	280'	290'	10'	Trace		
		59	290'	300'	10'	Trace		
		60	300'	310'	10'	Trace		
		61	310'	320'	10'	Trace		
		62	320'	330'	10'	Trace		
		63	330'	340'	10'	0.06		
		64	340'	350'	10'	Trace		
		65	350'	360'	10'	Trace		
		66	360'	370'	10'	0.06		
		67	370'	380'	10'	0.06		
		68	380'	390'	10'	0.07		
		69	390'	402'	12'	0.06		
402'	END OF VRH - 3.							
	<u>Dip Tests:</u> 100' - 24'							
	294' - 24'							
	Logged by D. H. Nicholson and J. S. DeLatre							

LOCATION 36° + 00E., 68+00N,
 DIP - 30° AZIMUTH 225°



- 1 DIORITE
- 2 K FELDSPAR ALTERATION ZONE

VANCO EXPLORATIONS LTD.
 ROLLING HILLS OPTION
 D.D.H. No. VRH-3
 DATE: DEC. 1965
 SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-3

PROPERTY ROLLING HILLS OPTION DEPTH 401' DIP 45° LOCATION 44 + 00 W START Jan. 3, 1966
 HOLE No. VRH - 4 COLLAR EL. _____ AZIMUTH 45° 58 + 00 S FINISH Jan. 13, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 83'	Overburden.							
83' - 165'	DIORITE: Massive, medium grained, dark grey colour. Hornblende is the dominant mafic mineral and occurs as large crystal aggregates. Unit is slightly chloritic with minor epidote alteration throughout. Occasional calcite veinlets at 45° to core axis containing minor pyrite. Unit contains 4 to 6% disseminated magnetite throughout.	144	83'	90'	7'	Trace		
		145	90'	100'	10'	Trace		
		146	100'	110'	10'	Trace		
		147	110'	120'	10'	Trace		
		148	120'	130'	10'	0.09		
		149	130'	140'	10'	0.08		
		150	140'	150'	10'	Trace		
		151	150'	160'	10'	Trace		
152	160'	170'	10'	Trace				
165' - 167'	ALBITITE ZONE: Massive barren albite.							
167' - 205'	HORNBLLENDE DIORITE: Fine to medium grained. Occasional albitized zones. Contains irregular small stringers of calcite and pyrite and 2 to 3% disseminated magnetite throughout.	153	170'	180'	10'	0.07		
		154	180'	190'	10'	0.13		
		155	190'	200'	10'	0.06		
		156	200'	210'	10'	0.07		
205' - 219'	ALBITITE ZONE: Massive albite, with minor free quartz and partially silicified. Minor pyrite occurs in calcite druses creating limonite staining throughout. Occasional patches (1") of undigested diorite occur throughout.	157	210'	220'	10'	0.08		
219' - 240'	DIORITE: Massive, fine to medium grained, with occasional moderately albitized zones. Contains 2% disseminated magnetite and occasional stringers of pyrite and calcite.	158	220'	230'	10'	0.05		
		159	230'	240'	10'	0.13		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY ROLLING HILLS OPTION DEPTH 401' DIP 45° LOCATION 44 + 00 W START Jan. 3, 1966
 HOLE No. VRH - 4 COLLAR EL. _____ AZIMUTH 45° 58 + 00 S FINISH Jan. 13, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
240' - 287' <i>BS</i>	ALBITIZED DIORITE: Diorite consists of 60% albite. Contains epidote and carbonate alteration throughout. 2% disseminated pyrite and 2% magnetite. 260-287: Moderately sheared at 10° to 30° to core axis. Shear planes are chloritized. Contains minor disseminated pyrite.	160	240'	250'	10'	0.10		
		161	250'	260'	10'	0.15		
		162	260'	270'	10'	0.11		
		163	270'	280'	10'	0.07		
		164	280'	290'	10'	0.13		
287' - 381'	DIORITE: <i>mostly pure</i> 287-308: Coarse grained, albitized, <i>??</i> diorite. Hornblende occurs as large euhedral crystals. 50% hornblende 50% plagioclase. 308-370: Medium grained, massive, dark grey. Minor epidote alteration occurs throughout, but is best developed in association with pyrite filled fractures. Contains 3% magnetite. 370-381: Fine grained, pale grey, massive. Possibly a recrystallized microdiorite.	165	290'	300'	10'	0.12		
		166	300'	310'	10'	0.16		
		167	310'	320'	10'	0.15		
		168	320'	330'	10'	0.10		
		169	330'	340'	10'	0.12		
		170	340'	350'	10'	0.12		
		171	350'	360'	10'	0.15		
		172	360'	370'	10'	0.10		
		173	370'	380'	10'	0.13		
381' - 401'	SHEARED DIORITE: Diorite as above with considerable epidote, chlorite, and carbonate alteration. Occasional small zones of metadiorite. Shearing at 45° to core axis. Contains up to 6% disseminated magnetite and very minor pyrite.	174	380'	390'	10'	0.14		
		175	390'	401'	11'	0.11		

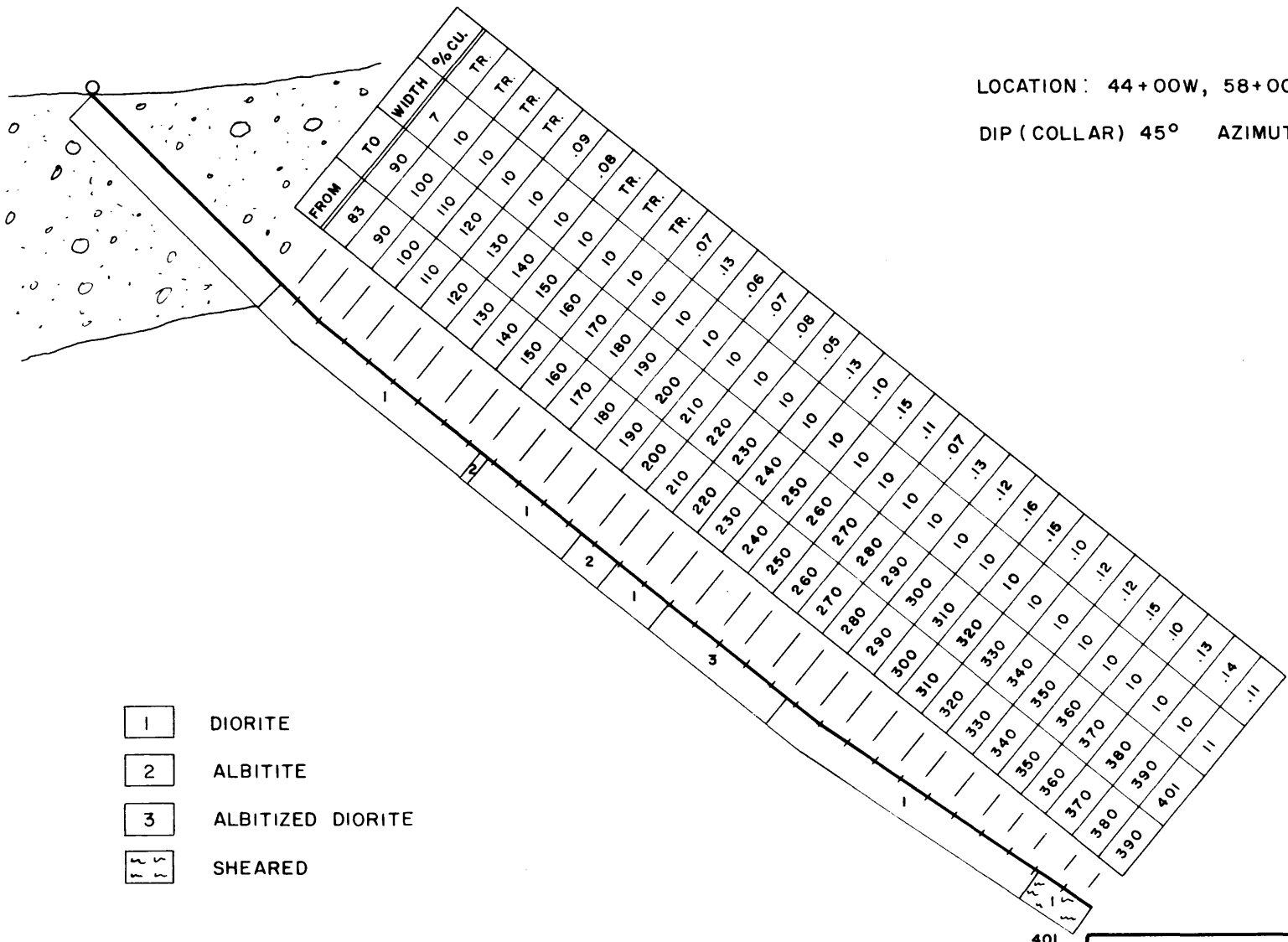
VANCO EXPLORATIONS LTD.

DIAMOND DRILL HOLE RECORD

3-3

PROPERTY ROLLING HILLS OPTION DEPTH 401' DIP 45° LOCATION 44 + 00 W START Jan. 3, 1966
 HOLE No. VRH - 4 COLLAR EL. _____ AZIMUTH 45° 58 + 00 S FINISH Jan. 13, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						%	%	%
401'	END OF VRH - 4 Logged by D. H. Nicholson and J. S. DeLatre. <hr/> Dip Tests: 200' - 39° 400' - 34°							



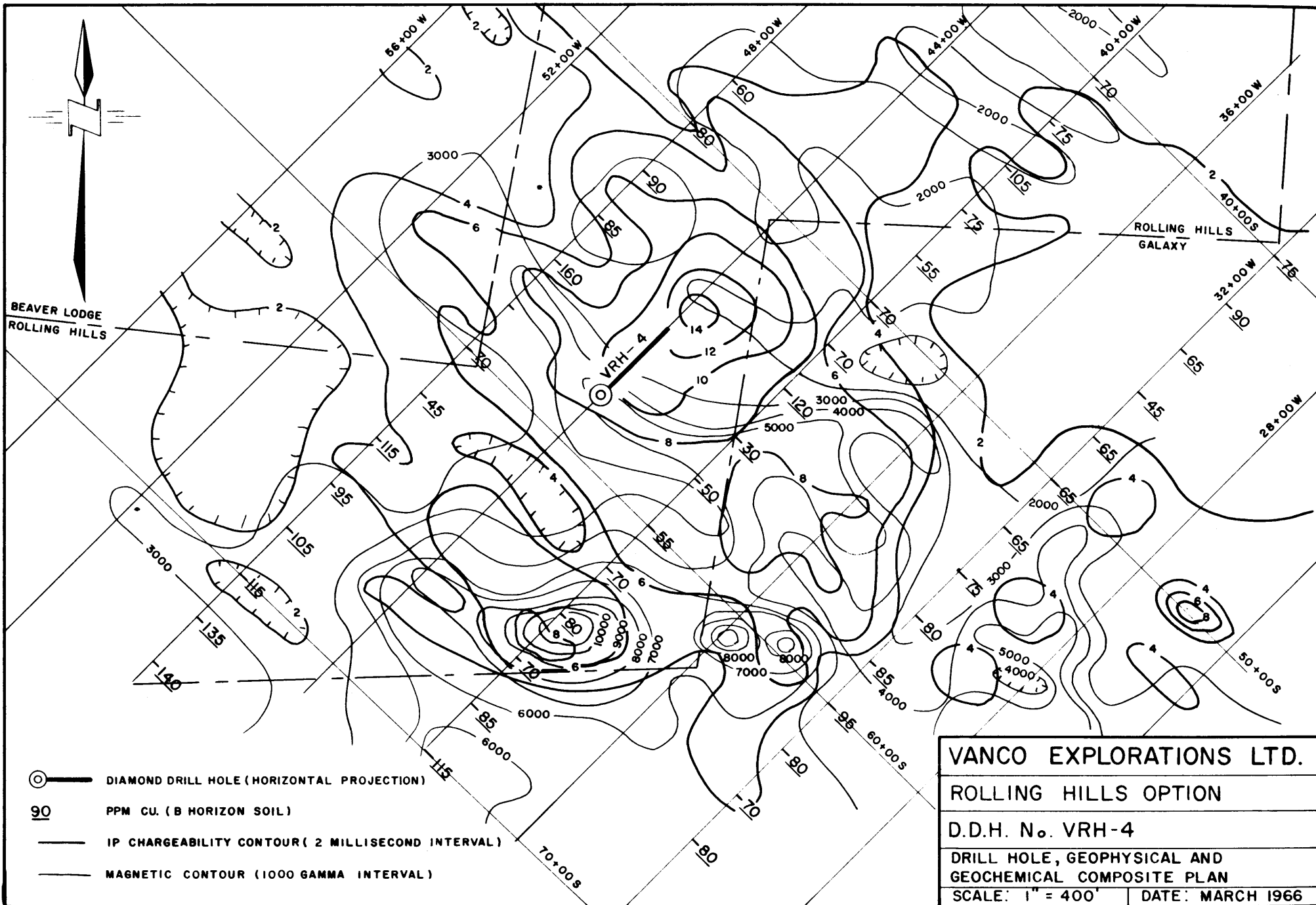
LOCATION: 44+00W, 58+00S.

DIP (COLLAR) 45° AZIMUTH 225°

- 1 DIORITE
- 2 ALBITITE
- 3 ALBITIZED DIORITE
- { } SHEARED

401

VANCO EXPLORATIONS LTD.	
ROLLING HILLS OPTION	
D.D.H. No. VRH-4	DATE: FEB. 1966
	SCALE: 1" = 50'



○— DIAMOND DRILL HOLE (HORIZONTAL PROJECTION)

90 PPM CU. (B HORIZON SOIL)

— IP CHARGEABILITY CONTOUR (2 MILLISECOND INTERVAL)

— MAGNETIC CONTOUR (1000 GAMMA INTERVAL)

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-2

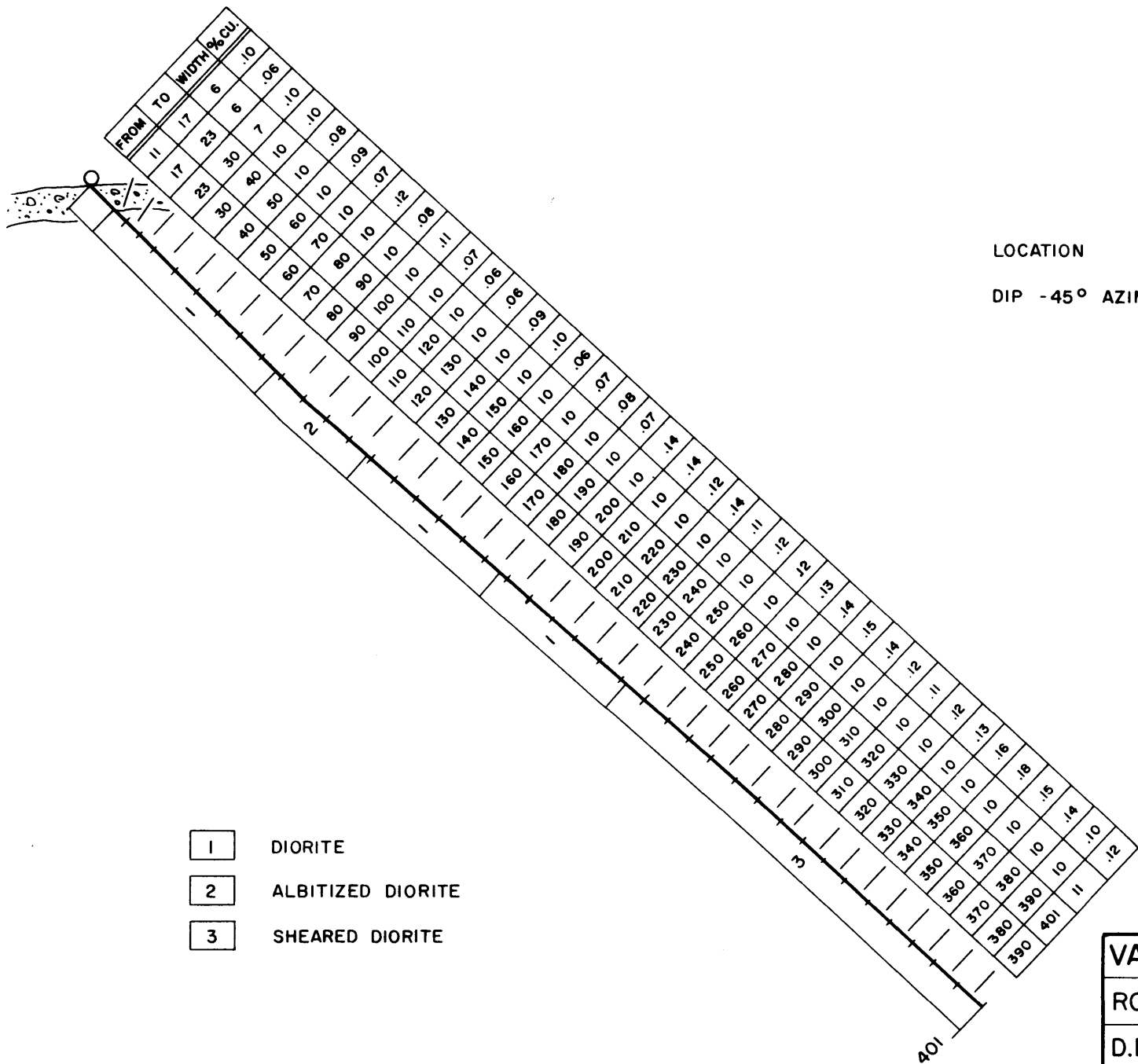
PROPERTY ROLLING HILLS OPTION DEPTH 401' DIP 45° LOCATION 168 + 00 E START Feb. 6, 1966
 HOLE No. VRH - 5 COLLAR EL. _____ AZIMUTH 225° 18 + 00 S FINISH Feb. 19, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 11'	Overburden.							
11' - 87'	DIORITE: <i>includes f-g^d pxt</i> (Possibly Gabbro) 11-54: Massive, medium grained, consisting of 60% plagioclase and 25 to 30% hornblende (as laths) and augite and up to 15% magnetite. This is possibly a gabbro as the hornblende and augite are almost indistinguishable. Pyrite occurs (up to 1%) as fracture fillings in small tension fractures which occur at 45° to core axis. Minor calcite veining throughout. 54-87: Moderately albitized. Slightly sheared with chloritic shear planes. Contains up to 18% magnetite and minor pyrite as small disseminations.	388 387 386 385 384 383 382 381 380	11' 17' 23' 30' 40' 50' 60' 70' 80'	17' 23' 30' 40' 50' 60' 70' 80' 90'	6' 6' 7' 10' 10' 10' 10' 10' 10'	0.10 0.06 0.10 0.10 0.08 0.08 0.07 0.12 0.08		
87' - 128'	ALBITIZED DIORITE: <i>(not v. different to dior)</i> 87-98: Massive diorite with 70% albite. Possibly an albite dike or spilite phase. Non magnetic. <i>(??) 2nd g^d ca. 3%</i> 98-128: Highly albitized diorite which is strongly crushed and sheared. Appreciably chloritized, contains up to 5% epidote.	379 378 377 376 375	90' 100' 110' 120' 130'	100' 110' 120' 130' 140'	10' 10' 10' 10' 10'	0.11 0.07 0.06 0.06 0.09		
128' - 187'	DIORITE: Massive, medium to coarse grained, medium grey diorite. Albitized plagioclase and pyroxene in equal proportions for most of the rock mass. Contains up to 10% disseminated magnetite. Occasional minor pyrite bearing shears throughout.	374 373 372 371 370	140' 150' 160' 170' 180'	150' 160' 170' 180' 190'	10' 10' 10' 10' 10'	0.10 0.06 0.07 0.08 0.07		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY ROLLING HILLS OPTION DEPTH 401' DIP 45° LOCATION 168 + 00 E START Feb. 6, 1966
HOLE No. VRH - 5 COLLAR EL. _____ AZIMUTH 225° 18 + 00 S FINISH Feb. 19, 1966

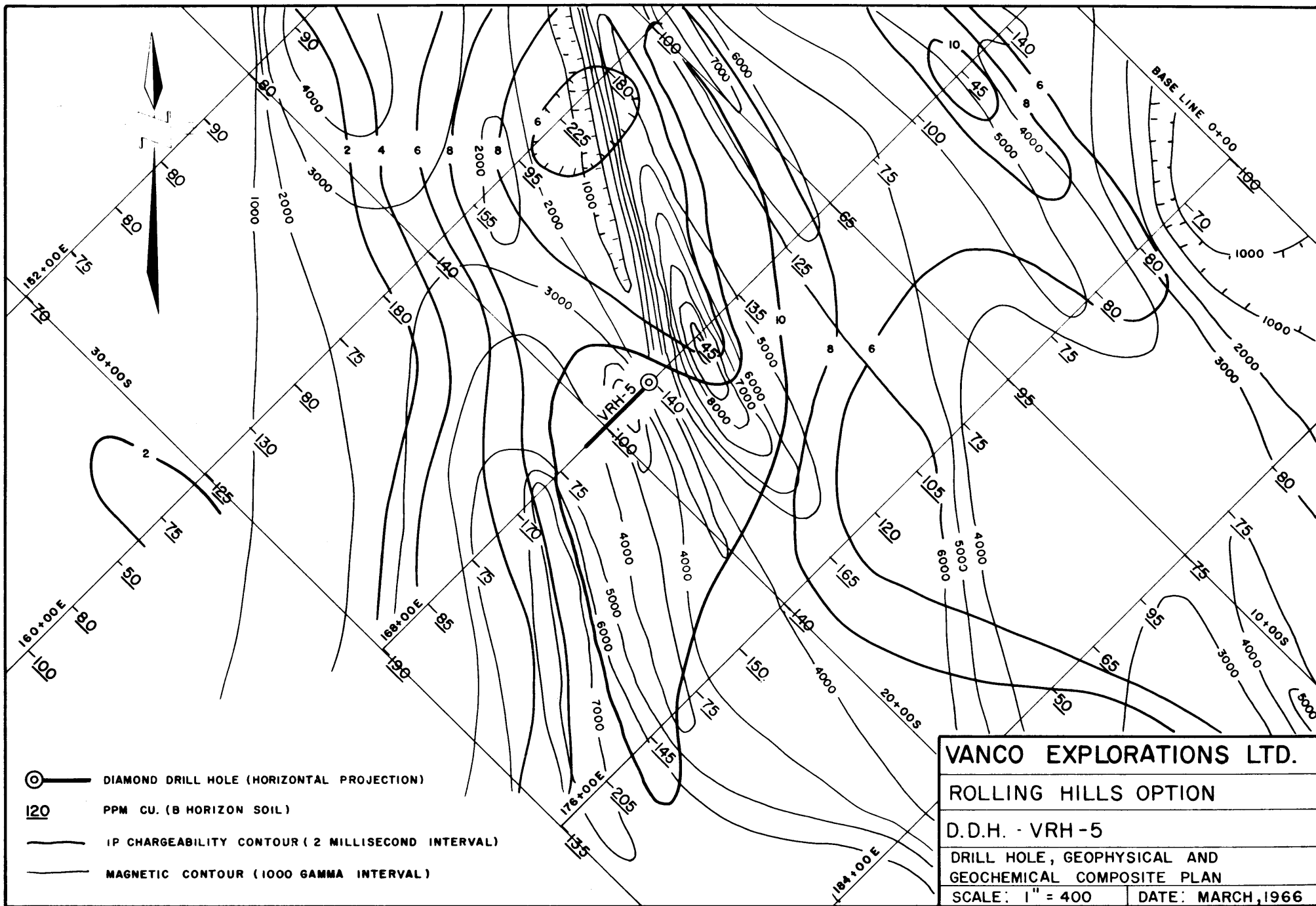
SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
187' - 242'	DIORITE: Greenish grey, massive, medium grained. Partially albitized and chloritized. Contains 5% finely disseminated magnetite and minor pyrite.	369	190'	200'	10'	0.14		
		368	200'	210'	10'	0.14		
		367	210'	220'	10'	0.12		
		366	220'	230'	10'	0.14		
		365	230'	240'	10'	0.11		
242' - 401'	SHEARED DIORITE: 242-332: Dark grey green, heavily chloritized. Unit is approaching the metadiorite stage of alteration. Shearing not confined to one angle. Core shows considerable contortion and crushing representing a strong fault zone. Shearing most intense from 260 to 288. Unit contains from 5 to 10% disseminated magnetite throughout. 332-401: Alteration and shearing decrease and colour changes to dark green. Shear planes are partially serpentized. Contains 5 to 7% magnetite and minor pyrite throughout with a few specks of chalcopyrite at 300 which occur in a fracture plane.	364	240'	250'	10'	0.12		
		363	250'	260'	10'	0.12		
		362	260'	270'	10'	0.13		
		361	270'	280'	10'	0.14		
		360	280'	290'	10'	0.15		
		359	290'	300'	10'	0.14		
		358	300'	310'	10'	0.12		
		357	310'	320'	10'	0.11		
		356	320'	330'	10'	0.12		
		355	330'	340'	10'	0.13		
		354	340'	350'	10'	0.16		
		353	350'	360'	10'	0.18		
		352	360'	370'	10'	0.15		
		351	370'	380'	10'	0.14		
		350	380'	390'	10'	0.12		
401'	END OF VRH - 5							
	Dip Tests: 200' - 42°							
	390' - 43°							
	Logged by D. H. Nicholson and J. S. DeLatre							



LOCATION 168+00 E., 18+00 S.
 DIP -45° AZIMUTH 225°

- 1 DIORITE
- 2 ALBITIZED DIORITE
- 3 SHEARED DIORITE

VANCO EXPLORATIONS LTD.	
ROLLING HILLS OPTIONS	
D.D.H. No. VRH-5	DATE: MAR. 1966
	SCALE: 1" = 50'



- ⊙ — DIAMOND DRILL HOLE (HORIZONTAL PROJECTION)
- 120 — PPM CU. (B HORIZON SOIL)
- IP CHARGEABILITY CONTOUR (2 MILLISECOND INTERVAL)
- MAGNETIC CONTOUR (1000 GAMMA INTERVAL)

VANCO EXPLORATIONS LTD.	
ROLLING HILLS OPTION	
D.D.H. - VRH-5	
DRILL HOLE, GEOPHYSICAL AND GEOCHEMICAL COMPOSITE PLAN	
SCALE: 1" = 400	DATE: MARCH, 1966

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-1

PROPERTY ROLLING HILLS OPTION DEPTH 292' DIP 45° LOCATION 40 + 00 E START Feb. 17, 1966
 HOLE No. VRH - 6 COLLAR EL. _____ AZIMUTH 45° 8 + 00 N FINISH Feb. 27, 1966

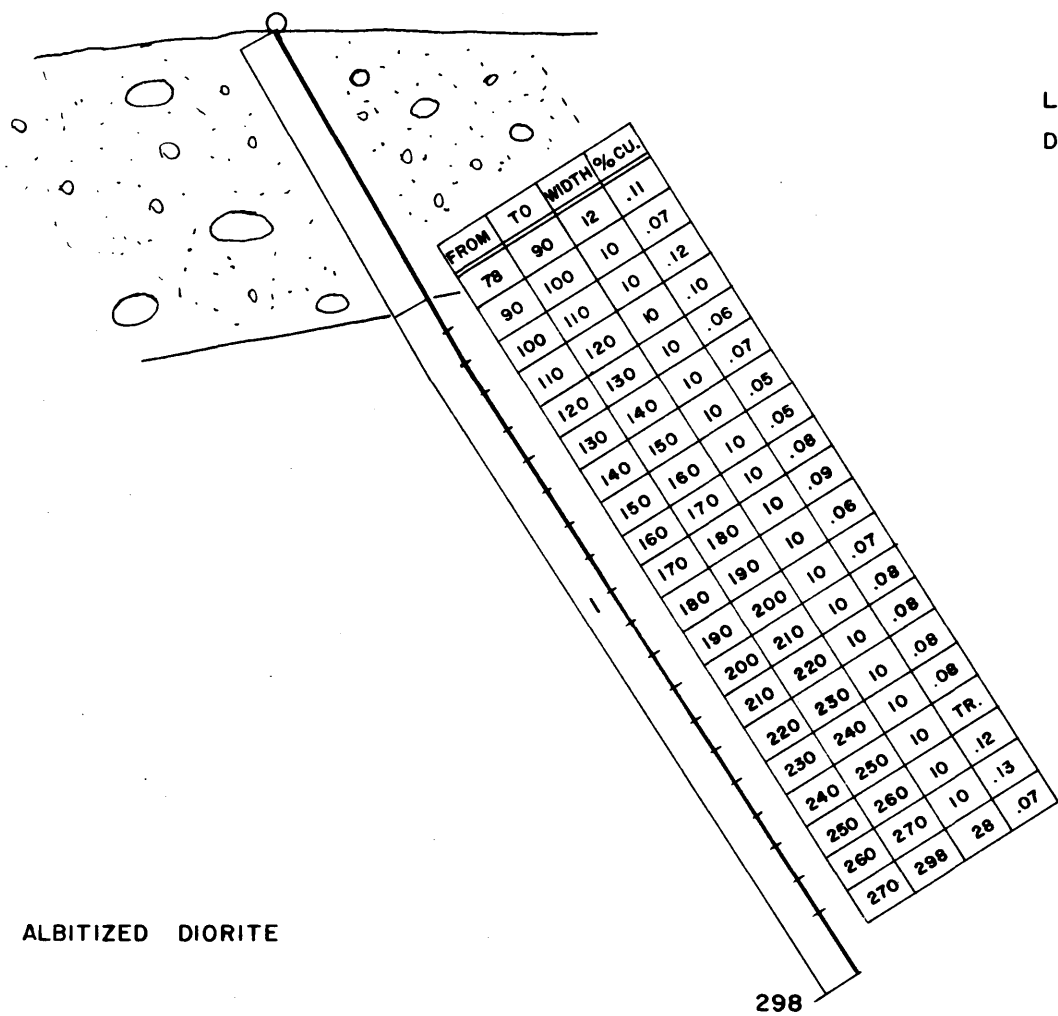
SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 144'	Overburden.							
144' - 207'	CONGLOMERATE: A member of the Tranquille Beds (post Iron Mask Intrusion). Well rounded pebbles in a friable sandy calcareous matrix. Pebbles constitute 75% of the rock mass. This unit includes a little diorite detritus.							
207' - 292'	ALBITIZED DIORITE: Mottled greenish grey, massive, medium grained. Cut by irregular small calcite stringers, and contains minor epidote and apatite in one inch patches. Disseminated fine grained magnetite (6%) occurs throughout as well as minor hematite.							
292'	END OF VRH - 6 Logged by D. H. Nicholson and J. S. DeLatre							
	<u>Dip Tests: 200' - 46°</u>							

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-1

PROPERTY ROLLING HILLS OPTION DEPTH 289' DIP 60° LOCATION 48 + 00 E START Feb. 19, 1966
 HOLE No. VRH - 7 COLLAR EL. _____ AZIMUTH 45° 28 + 00 N FINISH Mar. 2, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 78'	Overburden.							
78' - 289'	ALTERED DIORITE: Albitized diorite with 5 to 10% K-feldspar as veinlets and blebs. Heavily albitized zones have been reduced to kaolin over short sections. Ferromagnesian minerals are chloritized throughout. Carbonate alteration is intense throughout with many calcite stringers forming an irregular network. Core has a gritty surface with many friable sections throughout with hematite fillings. Very minor fracturing occurs throughout. The entire unit contains finely disseminated magnetite ranging from 4 to 10%. 161-167: Clay zone. 252-255: Green "sandy" zone. (glauconite?)	389	78'	90'	12'	0.11		
		390	90'	100'	10'	0.07		
		391	100'	110'	10'	0.12		
		392	110'	120'	10'	0.10		
		393	120'	130'	10'	0.06		
		394	130'	140'	10'	0.07		
		395	140'	150'	10'	0.05		
		396	150'	160'	10'	0.05		
		397	160'	170'	10'	0.08		
		398	170'	180'	10'	0.09		
		399	180'	190'	10'	0.06		
		400	190'	200'	10'	0.07		
		401	200'	210'	10'	0.08		
		402	210'	220'	10'	0.08		
		403	220'	230'	10'	0.08		
		404	230'	240'	10'	0.08		
		405	240'	250'	10'	Trace		
		406	250'	260'	10'	0.12		
		407	260'	270'	10'	0.13		
289'	END OF VRH - 7	408	270'	289'	19'	0.07		
	Logged by D. H. Nicholson and J. S. DeLatre							
	Dip Tests: 200' - 57° 300' - 58°							



LOCATION 48+00 E, 28+00 N.
 DIP 60° AZIMUTH 45°

1 ALBITIZED DIORITE

VANCO EXPLORATIONS LTD.	
ROLLING HILLS OPTION	
D.D.H. No. VRH-7	DATE: APRIL, 1966
	SCALE: 1" = 50'