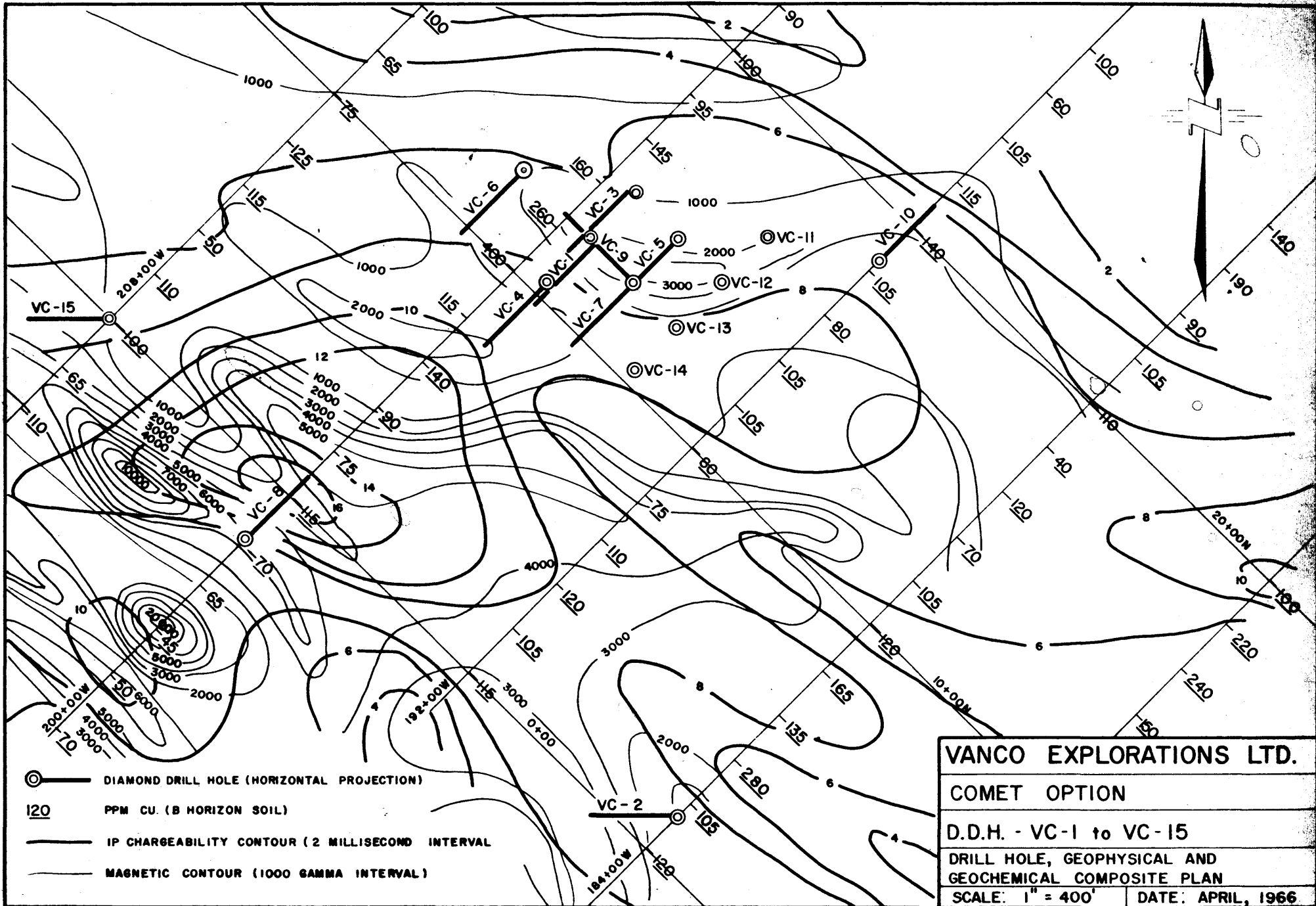


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VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-3

PROPERTY COMET MINES DEPTH 433' DIP -- 45 LOCATION 199 + 00 W START Jan. 17, 1966
HOLE No. VC - 1 COLLAR EL. _____ AZIMUTH 225 12 + 50 N FINISH Jan. 28, 1966

SECTION		DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES	
From	To						% Cu	% Au oz/ton
0'	8'	Overburden.						
8'	62'	DIORITE: Massive, fine to medium grained, pinkish grey grading into red monzonite in short (1 foot) sections. Occasional fractures at 45° and 90° to core axis filled with calcite. Contains 1 to 2% disseminated pyrite and chalcopyrite and up to 3% magnetite throughout.	215	8'	20'	12'	0.22	Trace
			216	20'	30'	10'	0.18	Trace
			217	30'	40'	10'	0.28	Trace
			218	40'	50'	10'	0.28	Trace
			219	50'	60'	10'	0.58	Trace
62'	72'	CARBONATE ALTERATION ZONE: Unit is composed essentially of calcite and orthoclase. Pyrite and minor chalcopyrite occur as fracture fillings and disseminations.	220	60'	70'	10'	0.44	Trace
72'	219'	MONZONITE: (Altered Diorite), pinkish grey, medium grained, massive with occasional small brecciated zones. This is a gradation between diorite and monzonite with the following mineralogy: 40-50% orthoclase, 30-40% plagioclase, 10-20% hornblende and augite, 2-4% magnetite and minor epidote. Calcite occurs as small fracture fillings throughout trending at 75° to 80° to core axis. 1-2% pyrite and chalcopyrite disseminated throughout. 168-169, 170-171: Lost core.	221	70'	80'	10'	0.42	Trace
			222	80'	90'	10'	0.20	Trace
			223	90'	100'	10'	0.32	Trace
			224	100'	110'	10'	0.18	Trace
			225	110'	120'	10'	0.36	Trace
			226	120'	130'	10'	0.44	Trace
			227	130'	140'	10'	0.24	Trace
			228	140'	150'	10'	0.28	Trace
			229	150'	160'	10'	0.52	Trace
			230	160'	170'	10'	0.84	Trace
			231	170'	180'	10'	0.48	Trace
		232	180'	190'	10'	0.36	Trace	
		233	190'	200'	10'	0.30	Trace	
		234	200'	210'	10'	0.36	Trace	
		235	210'	220'	10'	0.40	Trace	

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

2-3

PROPERTY COMET MINES DEPTH 433' DIP - 45° LOCATION 199 + 00 W START Jan. 17, 1966
HOLE No. VC - 1 COLLAR EL. _____ AZIMUTH 225° 12 + 50 N FINISH Jan. 28, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES	
						% Cu	% Au. Ox/ton
219' - 245'	SHEARED DIORITE: Chloritized diorite with much calcite as disseminated blebs and stringers. Occasional small gouge zones occur throughout. Contains less than 2% pyrite and with minor chalcopyrite and 6% magnetite.	236	220'	230'	10'	0.38	Trace
		237	230'	240'	10'	0.28	Trace
		238	240'	250'	10'	0.42	Trace
		239	250'	260'	10'	0.34	Trace
		240	260'	270'	10'	0.26	Trace
		241	270'	280'	10'	0.18	Trace
245' - 293'	DIORITE: Grey, medium grained diorite with local orthoclase alteration and minor calcite. 290-293: K-feldspar zones with minor chalcopyrite.	242	280'	290'	10'	0.32	Trace
		243	290'	300'	10'	0.32	Trace
293' - 314'	MONZONITE: Fine grained (recrystallized) with irregular thin calcite filled fractures. Minor disseminated chalcopyrite throughout.	244	300'	310'	10'	0.16	Trace
		245	310'	320'	10'	0.18	Trace
		246	320'	330'	10'	0.12	Trace
		247	330'	340'	10'	0.16	Trace
		248	340'	350'	10'	0.38	Trace
		249	350'	360'	10'	0.14	Trace
314' - 428'	DIORITE: Fine to medium grained, massive. Pyroxene is dominant mafic mineral. The fine grained sections appear to have been recrystallized. Small K-feldspar zones occur with vague contacts. Fracturing occurs trending parallel to core axis throughout except for 420-428 where a network of calcite filled fractures occur. Minor chalcopyrite throughout except for 410'-412' where 2% pyrite and 1-2% chalcopyrite occur. Minor disseminated magnetite throughout.	250	360'	370'	10'	0.16	Trace
		251	370'	380'	10'	0.16	Trace
		252	380'	390'	10'	0.30	Trace
		253	390'	400'	10'	0.46	Trace
		254	400'	410'	10'	0.22	Trace
		255	410'	420'	10'	0.32	Trace
		256	420'	433'	13'	0.36	Trace

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

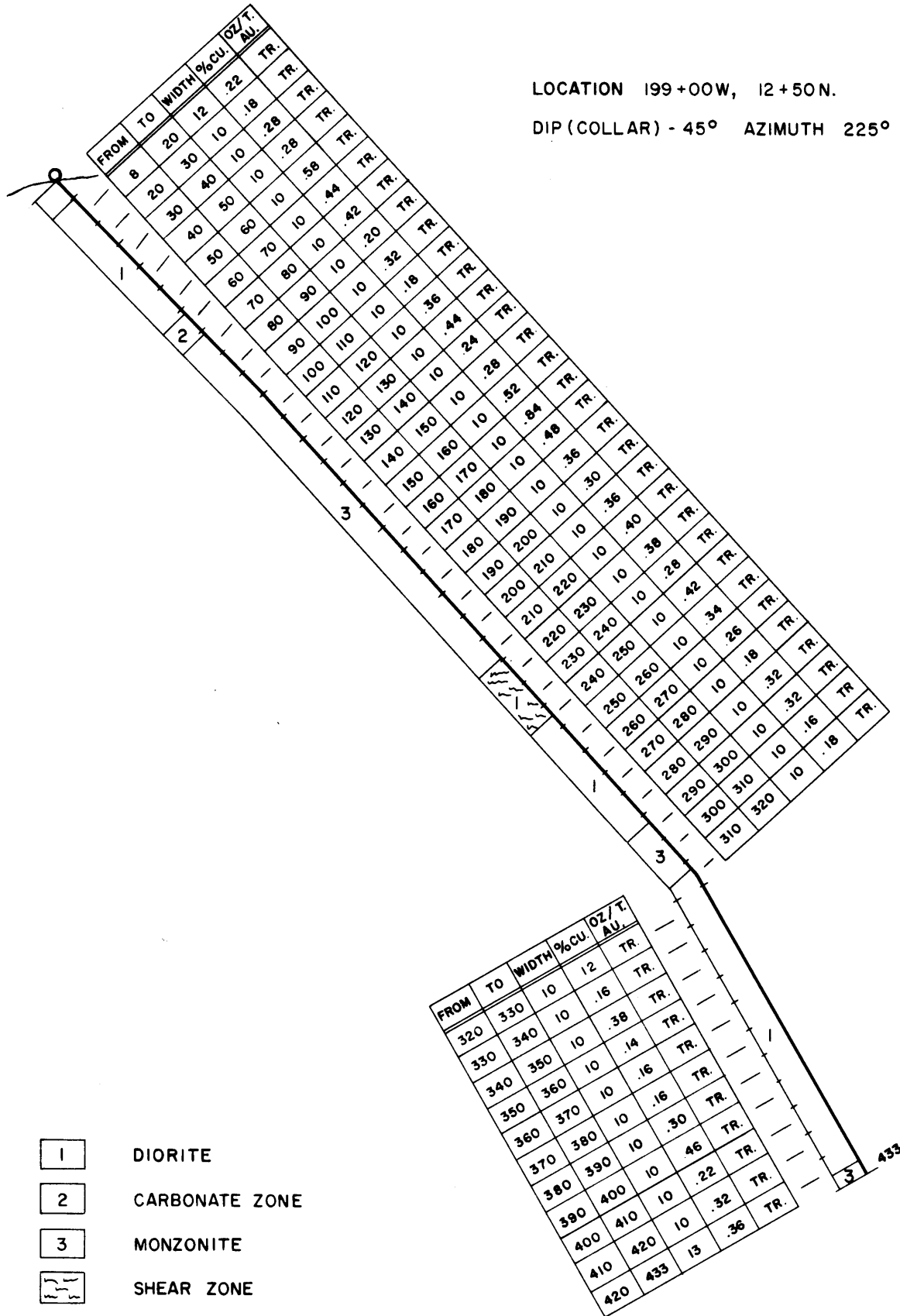
3-3

PROPERTY COMET MINES DEPTH 433' DIP - 45 LOCATION 199 + 00 W START Jan. 17, 1966
HOLE No. VC - 1 COLLAR EL. _____ AZIMUTH 225 12 + 50 N FINISH Jan. 28, 1966

SECTION		DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
From	To						% Cu	%	%
428'	433'	SHEARED K-FELDSPAR ZONE: Sheared at 80° to core axis.							
433'		END OF VC - 1							
		<u>Dip Tests:</u> 200' - 40° 433' - 60°							
		Logged by D. H. Nicholson and J. S. DeLatre							

LOCATION 199+00W, 12+50N.

DIP (COLLAR) - 45° AZIMUTH 225°



VANCO EXPLORATIONS LTD.
 COMET OPTION
 D.D.H. No. VC - 1
 DATE: JAN. 1966
 SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-3

PROPERTY COMET MINES DEPTH 409' DIP - 30° LOCATION 184 + 00 W START Jan. 23, 1966
 HOLE No. VC -- 2 COLLAR EL. _____ AZIMUTH 270° 1 + 50 N FINISH Feb. 4, 1966

SECTION		DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
From	To						% Cu	%	%
0'	47'	Overburden.							
47'	63'	SHEARED DIORITE: Dark grey green, sheared parallel to core axis. Light chlorite and epidote alteration. Minor disseminated pyrite throughout.	257	47'	50'	3'	0.06		
			258	50'	60'	10'	0.05		
			259	60'	70'	10'	Trace		
63'	67'	DIORITE: Massive, grey, medium grained with minor pyrite.							
67'	137'	DIORITE: Incipient albitization of material in 63-67 with occasional micro breccia sections with pyrite fracture fillings in which ferromagnesian minerals are partially chloritized. Minor shearing at 80° to core axis occurs occasionally. Unit contains 3 to 4% disseminated magnetite.	260	70'	80'	10'	0.05		
			261	80'	90'	10'	0.06		
			262	90'	100'	10'	0.05		
			263	100'	110'	10'	0.07		
			264	110'	120'	10'	Trace		
			265	120'	130'	10'	Trace		
		266	130'	140'	10'	0.05			
137'	146'	ALBITIZED DIORITE: Contains 60% albite and 2% disseminated magnetite.	267	140'	150'	10'	Trace		
146'	166'	DIORITE BRECCIA: Pale grey micro-breccia in which small diorite fragments occur in calcite matrix. Ferromagnesian minerals are chloritized. Hairline fractures trending parallel to the core axis occur throughout.	268	150'	160'	10'	0.05		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY COMET MINES DEPTH 409' DIP - 30° LOCATION 184 + 00 W START Jan. 23, 1966
HOLE No. VC - 2 COLLAR EL. _____ AZIMUTH 270° 1 + 50 N FINISH Feb. 4, 1966

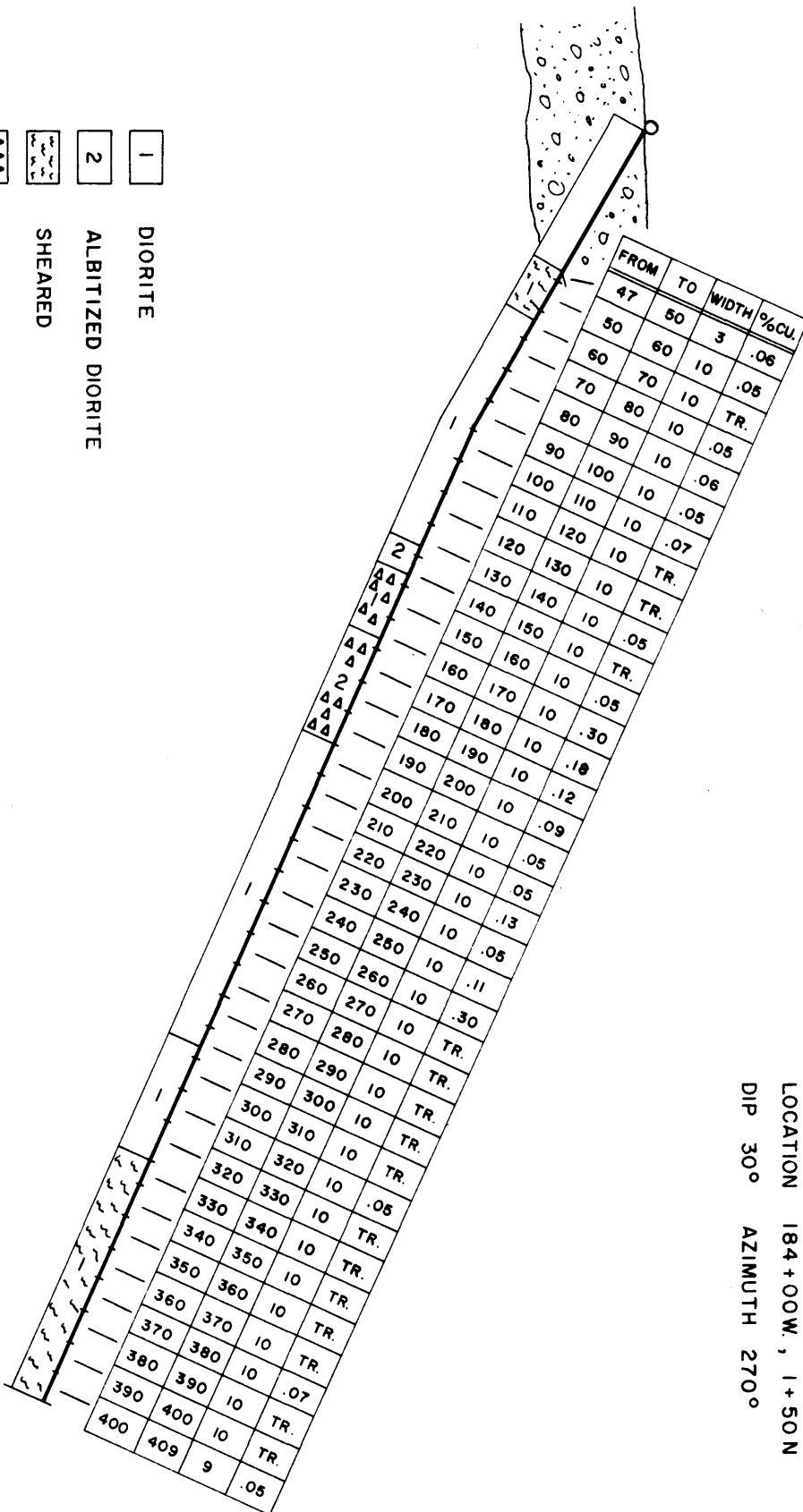
SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						%	%	%
166' - 200'	ALBITIZED DIORITE BRECCIA: Similar to above with up to 5% massive and disseminated pyrite. 174-175: Lost core. 187-200: Pyrite content decreases to 2% from 187 to 200.	270	170'	180'	10'	0.18		
		271	180'	190'	10'	0.12		
		272	190'	200'	10'	0.09		
200' - 291'	DIORITE: Brecciation and shearing much more intense than 160-200. Shearing consistent at 80° to core axis with minor contortions. Feldspars are slightly iron stained giving a pink tint with occasional sections being kaolonized. Contains up to 5% pyrite with minor amounts of molybdenite as films in shear planes.	273	200'	210'	10'	0.05		
		274	210'	220'	10'	0.05		
		275	220'	230'	10'	0.13		
		276	230'	240'	10'	0.05		
		277	240'	250'	10'	0.11		
		278	250'	260'	10'	0.30		
		279	260'	270'	10'	Trace		
		280	270'	280'	10'	Trace		
291' - 332'	DIORITE: Massive, medium grained, pale grey, biotite flakes are oriented at 90° to core axis. Considerable epidote alteration throughout. 5% magnetite and minor pyrite disseminated throughout.	281	280'	290'	10'	Trace		
		282	290'	300'	10'	Trace		
		283	300'	310'	10'	Trace		
		284	310'	320'	10'	0.05		
332' - 342'	SHEARED DIORITE: Ferromagnesium minerals heavily chloritized and slip surfaces are serpentized. Unit contains minor disseminated pyrite.	285	320'	330'	10'	Trace		
		286	330'	340'	10'	Trace		
		287	340'	350'	10'	Trace		
		288	350'	360'	10'	Trace		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY COMET MINES DEPTH 409' DIP - 30° LOCATION 184 + 00 W START Jan. 23, 1966
 HOLE No. VC -- 2 COLLAR EL. _____ AZIMUTH 270° 1 + 50 N FINISH Feb. 4, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						%	%	%
342' - 362'	DIORITE: Massive, medium grained, dark greenish grey colour. Contains minor disseminated magnetite and pyrite.							
362' - 371'	ALBITIZED DIORITE: Slightly sheared. Contains minor pyrite disseminated throughout and appreciable epidote alteration.	289	360'	370'	10'	Trace		
371' - 409'	SHEARED DIORITE: Albitized diorite sheared at 10° to core axis, containing considerable calcite as blebs and stringers. Contains up to 10% pyrite and minor magnetite. 400-409: Shearing less intense, epidote and pyrite content decrease sharply.	290	370'	380'	10'	0.07		
		291	380'	390'	10'	Trace		
		292	390'	400'	10'	Trace		
		293	400'	409'	9'	0.05		
	<u>Dip Tests:</u> 200' - 24°							
	Logged by D. H. Nicholson and J. S. DeLatre							

- 1 DIORITE
- 2 ALBITIZED DIORITE
- AAA SHEARED
- AA BRECCIATED



LOCATION 184+00W, 1+50N
 DIP 30° AZIMUTH 270°

VANCO EXPLORATIONS LTD.

COMET OPTION

D.D.H. No. VC-2

DATE: MARCH 1966
 SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-3

PROPERTY COMET OPTION DEPTH 399' DIP - 45 LOCATION 199 + 00 W START Feb. 28, 1966
HOLE No. VC - 3 COLLAR EL. _____ AZIMUTH 225° 14 + 50 N FINISH March 9, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES	
						% Cu	% Au oz/ton
0' - 8'	Overburden.						
8' - 345'	MONZONITE: 8-31: Pinking grey, medium grained. Consists of 40% sub-angular plagioclase (grain size 1/2 mm), 30 to 40% orthoclase and 10% augite. Chalcopyrite occurs as disseminations associated with K-feldspar and minor pyrite occurs throughout. Chalcopyrite mineralization is most intense between 15.4 and 17.6 (approx. 1%). Minor malachite in oxidized zone from 8' to 17'. Minor MOS ₂ as small specs associated with chalcopyrite at 22'. Unit contains 1% disseminated magnetite which is occasionally replaced by chalcopyrite (e.g. 33'). Calcite veinlets occur at random throughout. 31-38: Sheared at 45° to core axis. Calcite content increases. 38-105: As in 8-31, with approximately 1% copper from 58 to 62 and 83 to 86, with minor bornite occurring with chalcopyrite. Visible molybdenite at 58, 70 and 78. Core recovery, 83 to 86 = 50%. 105-135: Contains small shear zones approximately 1 foot wide, occurring at 80° to core axis, at 112', 115' and 119'. Contains minor chalcopyrite and less than 2% magnetite.	409	8'	20'	12'	0.58	Trace
		410	20'	30'	10'	0.55	0.01
		411	30'	40'	10'	0.22	Trace
		412	40'	50'	10'	0.24	Trace
		413	50'	60'	10'	0.67	Trace
		414	60'	70'	10'	0.42	Trace
		415	70'	80'	10'	0.34	Trace
		416	80'	90'	10'	0.49	0.01
		417	90'	100'	10'	0.56	0.01
		418	100'	110'	10'	0.40	Trace
		419	110'	120'	10'	0.12	Trace
		420	120'	130'	10'	0.23	Trace
		421	130'	140'	10'	0.35	Trace

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY COMET OPTION DEPTH 399' DIP - 45' LOCATION 199 + 00 W START Feb. 28, 1966
HOLE No. VC - 3 COLLAR EL. _____ AZIMUTH 225 14 + 50 N FINISH Mar. 9, 1966

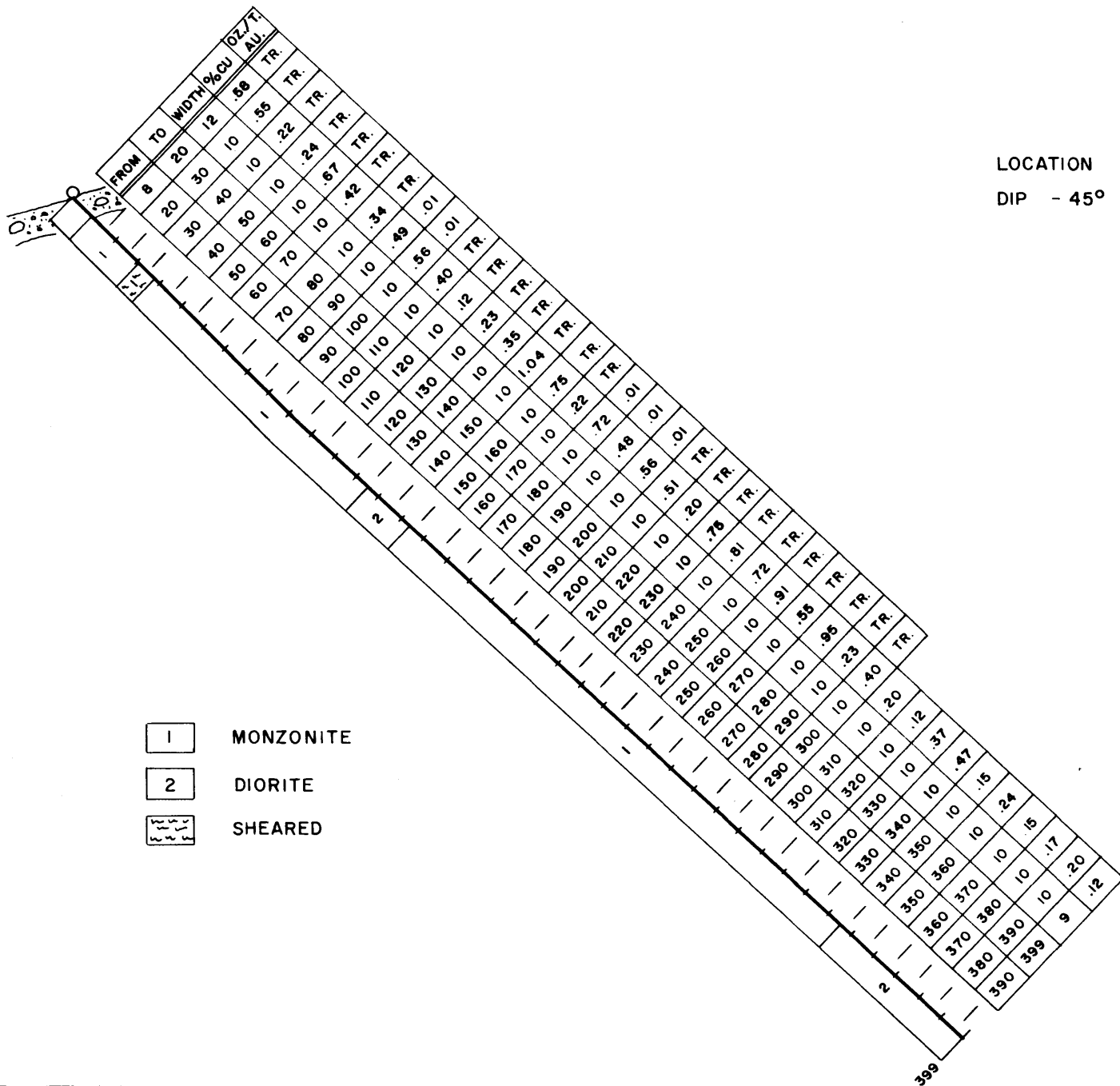
SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES	
						% Cu	% Au oz/ton
8' - 345' (Contd.)	135-154: Altered diorite: contains 20% orthoclase as veins and stringers. Contains 70% plagioclase. Hornblende and calcite occur as large distinct crystals giving a porphyritic effect. Magnetite (3%) is disseminated throughout, 1% chalcopyrite and pyrite are associated with orthoclase.	422	140'	150'	10'	1.04	Trace
	154-192: Altered monzonite: Sheared at 80' to core axis, and contains considerable carbonate alteration. Contains minor pyrite and very minor chalcopyrite throughout. Core recovery is 75% except for 168-173 which is 50%.	423	150'	160'	10'	0.75	Trace
	192-285: Pinkish grey with well developed K-feldspar alteration over short sections. Minor shearing at 45' and 90' to core axis. Chalcopyrite (1.5%) and pyrite 1% occur in shear planes and in irregular fractures associated with potassium and calcium alteration.	424	160'	170'	10'	0.22	Trace
		425	170'	180'	10'	0.72	0.01
		426	180'	190'	10'	0.48	0.01
		427	190'	200'	10'	0.56	0.01
	274-277: K-feldspar zone bounded by shears with 3 to 4% chalcopyrite and minor <u>bornite</u> . Unit contains 2% magnetite.	428	200'	210'	10'	0.51	Trace
		429	210'	220'	10'	0.20	Trace
		430	220'	230'	10'	0.75	Trace
		431	230'	240'	10'	0.81	Trace
		432	240'	250'	10'	0.72	Trace
		433	250'	260'	10'	0.91	Trace
		434	260'	270'	10'	0.55	Trace
		435	270'	280'	10'	0.95	Trace
	285-317: Considerable carbonate alteration. Contains calcite blebs (1/2 mm) throughout and numerous irregular stringers. Minor shearing at 90' to core axis.	436	280'	290'	10'	0.23	Trace
		437	290'	300'	10'	0.40	Trace
		438	300'	310'	10'	0.20	
		439	310'	320'	10'	0.12	

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

3-3

PROPERTY COMET OPTION DEPTH 399' DIP - 45' LOCATION 199 + 00 W START Feb. 28, 1966
 HOLE No. VC - 3 COLLAR EL. _____ AZIMUTH 225° 14 + 50 N FINISH Mar. 9, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
8' - 345' (Contd.)	285-317: Contains 3% magnetite and minor chalcopyrite and pyrite (1%)	440	320'	330'	10'	0.37		
	317-330: Massive, brick red, with calcite, pyrite and chalcopyrite (1%) fracture fillings. Magnetite 4% occurs throughout.	441	330'	340'	10'	0.47		
	330-345: Pinkish grey, medium grained, massive with minor shearing at 90 to core axis. 1% chalcopyrite and pyrite occur in calcite filled fractures as well as minor epidote. Contains 4% magnetite. Core recovery 337-345 = 60%.	442	340'	350'	10'	0.15		
345' - 376'	ALTERED DIORITE: Rock becomes much more dioritic with orthoclase veinlets carrying minor chalcopyrite. Moderately sheared at 90 to core axis. Contains 2 to 3% magnetite.	443	350'	360'	10'	0.24		
		444	360'	370'	10'	0.15		
		445	370'	380'	10'	0.17		
		446	380'	390'	10'	0.20		
		447	390'	399'	9'	0.12		
376' - 399'	MONZONITIC DIORITE: Sheared at 90 to core axis. Well developed epidote alteration and minor pyrite occur throughout. 2% magnetite as small fracture fillings with minor hematite in shears. 386-395: Core recovery = 75%.							
399'	END OF VC - 3							
	Logged by D. H. Nicholson and J. S. DeLatre.							
		<u>Dip Tests:</u>	200'	-	43°			
			399'	-	43°			



LOCATION 199+00W., 10+50N.
 DIP - 45° AZIMUTH 225°

- 1 MONZONITE
- 2 DIORITE
- SHEARED

VANCO EXPLORATIONS LTD.	
COMET OPTION	
D.D.H. No VC - 3	DATE: MARCH 1966
	SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-2

PROPERTY COMET OPTION DEPTH 323' DIP 45° LOCATION 199 + 00 W START Feb. 28, 1966
HOLE No. VC - 4 COLLAR EL. _____ AZIMUTH 225° 10 + 50 N FINISH Mar. 9, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 32'	Overburden.							
32' - 40'	FAULT ZONE: Intensely brecciated. Small pieces of diorite in a carbonate and chlorite matrix. Contains 3 to 4% disseminated magnetite 40% core recovery.	448	32'	40'	8'	0.42		
40' - 123' <i>ok</i>	SHEARED DIORITE: Medium grained diorite composed of 65% plagioclase, 30% chloritic mafic minerals, and 5% magnetite as fine disseminations. Considerable shearing at 10 to 15 degrees to core axis. Shear zones are completely chloritized. More massive sections have possibly undergone re-crystallization as outlines of mineral grains and are very indistinct and appear to blend. K-feldspar occurs as vague patches and small stringers associated with pyrite and very minor chalcopyrite. 87-92: Sulphate zone: Gypsum occurs as blebs and stringers in the more fractured sections.	449	40'	50'	10'	0.17		
		450	50'	60'	10'	0.22		
		451	60'	70'	10'	0.15		
		452	70'	80'	10'	0.15		
		453	80'	90'	10'	0.15		
		454	90'	100'	10'	0.12		
		455	100'	110'	10'	0.10		
		456	110'	120'	10'	0.12		
123' - 156'	DIORITE: Massive, medium grained. Ferromagnesian minerals partially chloritized. Occasional small (1 to 2 feet) brecciated and/or sheared zones which are heavily chloritized with hematite, and calcite fracture fillings. K-feldspar alteration confined to small patches and occasional veinlets.	457	120'	130'	10'	0.15		
		458	130'	140'	10'	0.11		
		459	140'	150'	10'	0.04		
		460	150'	160'	10'	0.06		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

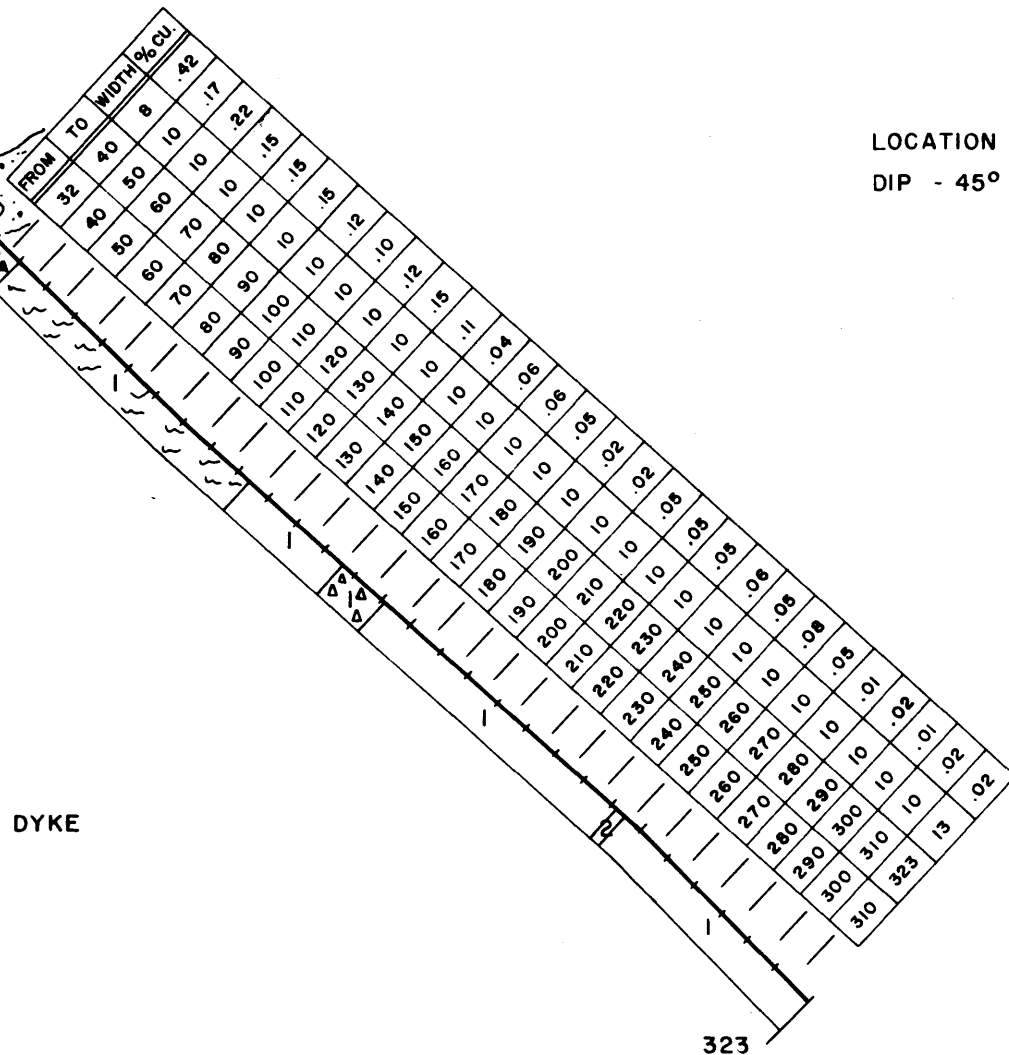
2-2

PROPERTY COMET OPTION DEPTH 323' DIP 45° LOCATION 199 + 00 W START Feb. 28, 1966
HOLE No. VC - 4 COLLAR EL. _____ AZIMUTH 225° 10 + 50 N FINISH March 9, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
156' - 170'	BRECCIA ZONE: (Crushed diorite) pebbles of diorite in a matrix of fault gouge, and pale green chlorite. Occasional small (2') sections of relatively massive diorite.	461	160'	170'	10'	0.06		
170' - 251'	DIORITE: Mottled grey green medium grained. 70% plagioclase, 25% chlorite mafic minerals and 5% magnetite. Occasional small zones (2') of incipient K-feldspar alteration, minor shearing at 15° to core axis. Shear planes contain chlorite hematite and calcite. Calcite occurs as small stringers and fracture fillings. Minor epidote alteration in fracture planes from 225 to 251.	462	170'	180'	10'	0.05		
		463	180'	190'	10'	0.02		
		464	190'	200'	10'	0.02		
		465	200'	210'	10'	0.05		
		466	210'	220'	10'	0.05		
		467	220'	230'	10'	0.05		
		468	230'	240'	10'	0.06		
		469	240'	250'	10'	0.05		
251' - 253'	K-FELDSPAR DYKE: Fine grained orthoclase feldspar with small laths of plagioclase and mafic minerals. Contains 2 to 3% pyrite. (Feldspar porphyry?).	471	260'	270'	10'	0.05		
		472	270'	280'	10'	0.01		
253' - 323'	DIORITE: Massive, grey green, medium grained. 75% plagioclase, 20% mafics, 5% disseminated magnetite. Occasional small books of chlorite biotite. K-feldspar occurs in small blebs (2"). Minor pyrite occurs throughout, but mainly confined to zones of feldspar and epidote alteration.	473	280'	290'	10'	0.02		
		474	290'	300'	10'	0.01		
		475	300'	310'	10'	0.02		
		476	310'	323'	13'	0.02		
323'	END OF VC - 4							
	Logged by D. H. Nicholson & J. S. DeLatre.							
			Dip Tests:			200'	- 42°	
						320'	- 46°	

LOCATION 199+00 W.
 DIP - 45° AZIMUTH 225°

- 1 DIORITE
- 2 K FELDSPAR DYKE
- ▲▲▲ BRECCIATED
- ~ SHEARED



VANCO EXPLORATIONS LTD.

COMET OPTION

D.D.H. No. VC - 4

DATE: MAR. 1966

SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-4

PROPERTY COMET OPTION DEPTH 498' DIP - 45° LOCATION 197 + 00 W START March 10, 1966
HOLE No. VC - 5 COLLAR EL. _____ AZIMUTH 225° 14 + 50 N FINISH March 16, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 42'	Overburden.							
42' - 80'	DIORITE: 42-53: Breccia: Angular pieces of medium grained diorite in a chlorite and carbonate matrix. Contains minor disseminated pyrite. 53-56: Mottled, medium grained, massive. Porphyritic appearance caused by lathlike plagioclase crystals in a chloritic groundmass. 56-60: Fracture zone: Heavily fractured diorite with much K-feldspar alteration. Fracture fillings are calcite, quartz and minor pyrite. Unit is very siliceous. Very minor molybdenite occurs as small blebs. 60-80: Massive, fine grained diorite with incipient K-feldspar alteration. Contains 75% feldspar, 20% finely disseminated magnetite as well as minor pyrite and epidote. Occasional shearing at random angles to core axis.	477 478 479 480	42' 50' 60' 70'	50' 60' 70' 80'	8' 10' 10' 10'	0.10 0.14 0.17 0.12		
80' - 96'	K-FELDSPAR ZONE: Massive diorite with 4 to 6 foot zones of potassic alteration. Fracture fillings in the more heavily altered zones are massive pyrite and quartz calcite. Occasional blebs of MOS ₂ occur throughout.	481 482	80' 90'	90' 100'	10' 10'	0.12 0.03		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

2-4

PROPERTY COMET OPTION DEPTH 498' DIP - 45° LOCATION 197 + 00 W START March 10, 1966
 HOLE No. VC - 5 COLLAR EL. _____ AZIMUTH 225 14 + 50 N FINISH March 16, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
96' - 229'	DIORITE: Massive, fine to medium grained. Occasional shearing at 10 to 15 degrees to core axis. Epidote alteration occurs over 10 foot sections where it comprises up to 5% of the rock mass. Occasional 4 foot sections of K-feldspar alteration as in 80-96. Contains 3% magnetite and minor disseminated pyrite.	483	100'	110'	10'	0.12		
		484	110'	120'	10'	0.08		
		485	120'	130'	10'	0.06		
		486	130'	140'	10'	0.07		
		487	140'	150'	10'	0.12		
		488	150'	160'	10'	0.12		
		489	160'	170'	10'	0.14		
		490	170'	180'	10'	0.07		
		491	180'	190'	10'	0.09		
		492	190'	200'	10'	0.13		
		493	200'	210'	10'	0.15		
		494	210'	220'	10'	0.12		
		229' - 246'	BRECCIA ZONE: Heavily chloritized diorite in a carbonate matrix, with 1% disseminated pyrite. 230-232: Fault gouge.	495	220'	230'	10'	0.13
496	230'			240'	10'	0.13		
497	240'			250'	10'	0.14		
498	250'			260'	10'	0.13		
499	260'			270'	10'	0.24		
246' - 300'	DIORITE: 75% plagioclase, 20% chloritized hornblende, and 5% finely disseminated magnetite. Unit is massive and fine grained. Contains up to 1% pyrite with occasional specs of chalcopyrite. Rare specs of molybdenite occur with the chalcopyrite. Minor fracturing at 10" to core axis. Fracture fillings are chlorite and calcite. 280-300: Fracture zone: Contains discontinuous K-feldspar alteration associated with silicification. Contains 2 to 3% pyrite as fracture fillings and disseminations.	500	270'	280'	10'	0.12		
		501	280'	290'	10'	0.12		
		502	290'	300'	10'	0.15		
		503	300'	310'	10'	0.15		
		504	310'	320'	10'	0.14		
		505	320'	330'	10'	0.13		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

3-4

PROPERTY COMET OPTION DEPTH 498' DIP - 45° LOCATION 197 + 00 W START March 10, 1966
 HOLE No. VC - 5 COLLAR EL. _____ AZIMUTH 225° 14 + 50 N FINISH March 16, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
300' - 342'	SHEARED DIORITE: Pale grey green, chloritized diorite in a fault gouge matrix. Contains 1 to 2% finely disseminated pyrite and 2% disseminated magnetite.	506	330'	340'	10'	0.08		
342' - 447'	DIORITE: 342-369: Massive, medium grained diorite, 70% plagioclase, 25% ferro-magnesium minerals and 2 to 3% magnetite. Unit is variable as K-feldspar alteration occurs throughout in various proportions. Contains minor pyrite as disseminations and fracture fillings as well as occasional small blebs, of chalcopyrite. 369-377: Breccia zone: Angular pieces of monzonite and diorite in a quartz calcite matrix. Unit is quite siliceous. Contains 2% pyrite as fine disseminations and fracture fillings and very minor chalcopyrite. 377-383: Sheared Diorite: sheared and contorted sub-parallel to core axis. Considerable graphite in shear planes. Contains minor (6") brecciated sections. 381-383: 25% gypsum. 383-403: Massive, pale grey, fine grained siliceous diorite with small patches and stringers of K-feldspar. Contains minor chalcopyrite as small blebs.	507	340'	350'	10'	0.12		
		508	350'	360'	10'	0.20		
		509	360'	370'	10'	0.18		
		510	370'	380'	10'	0.20		
		511	380'	390'	10'	0.18		
		512	390'	400'	10'	0.20		

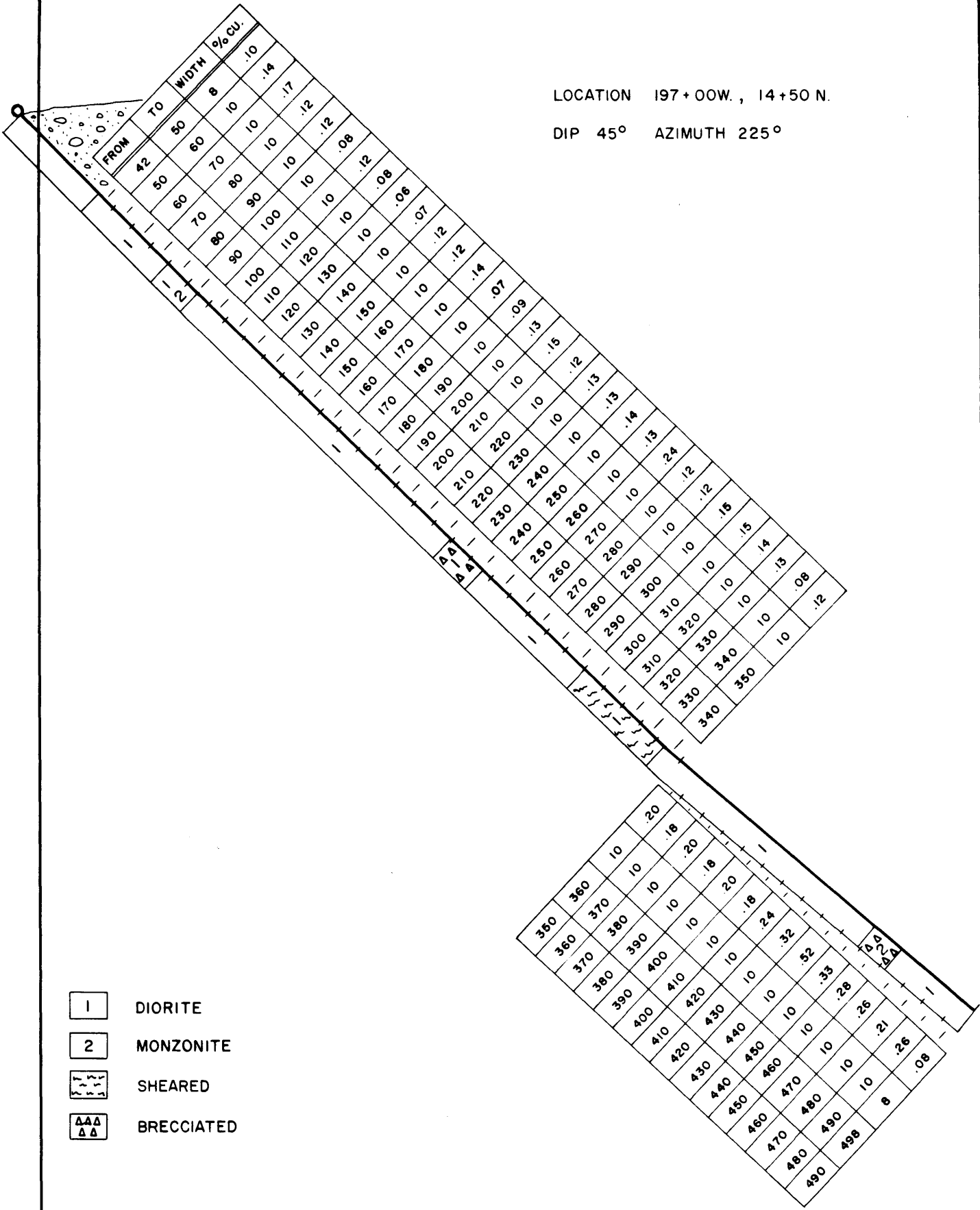
VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

4-4

PROPERTY COMET OPTION DEPTH 498' DIP - 45 LOCATION 197 + 00 W START March 10, 1966
 HOLE No. VC - 5 COLLAR EL. _____ AZIMUTH 225 14 + 50 N FINISH March 16, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						%Cu	%	%
403' - 427' <i>VC-5 BX</i>	DIORITE: Massive, medium grained, with bands and blebs of K-feldspar up to 3 inches wide. Diorite mineralogy as in 342-369, however, magnetite content falls off in K-feldspar zones. Minor random fracturing with calcite fillings throughout. Minor chalcopyrite (up to 1%) occurs as small blebs associated with K-feldspar and or calcite.	513	400'	410'	10'	0.18		
		514	410'	420'	10'	0.24		
		515	420'	430'	10'	0.32		
427' - 447' <i>VC-5 BX</i>	FRACTURE ZONE: Heavily fractured diorite with considerable (50%) K-feldspar alteration. Fracture fillings are calcite, chlorite with minor pyrite and chalcopyrite as stringers and blebs. 441-442: Gouge zone.	516	430'	440'	10'	0.53		
		517	440'	450'	10'	0.33		
447' - 460'	MONZONITE BRECCIA: Angular pieces of monzonite in a chlorite matrix. Contains minor gouge zones.	518	450'	460'	10'	0.28		
460' - 462'	Gouge Zone.	519	460'	470'	10'	0.26		
462' - 498'	FRACTURE ZONE: As in 427 to 447. with minor chalcopyrite and pyrite.	520	470'	480'	10'	0.21		
		521	480'	490'	10'	0.26		
		522	490'	498'	8'	0.08		
498'	END OF VC - 5							
	Logged by D. H. Nicholson and J. S. DeLatre							
			Dip Tests:			200'	-	44'
						490'	-	40'

LOCATION 197+00W., 14+50 N.
 DIP 45° AZIMUTH 225°



- 1 DIORITE
- 2 MONZONITE
- SHEARED
- BRECCIATED

VANCO EXPLORATIONS LTD.
 COMET OPTION
 D.D.H. No. VC - 5 DATE: MAR. 1966
 SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-2

PROPERTY COMET OPTION DEPTH 399' DIP - 45° LOCATION 200+ 00 W START March 11, 1966
 HOLE No. VC - 6 COLLAR EL. _____ AZIMUTH 225° 12 + 50 W FINISH March 18, 1966

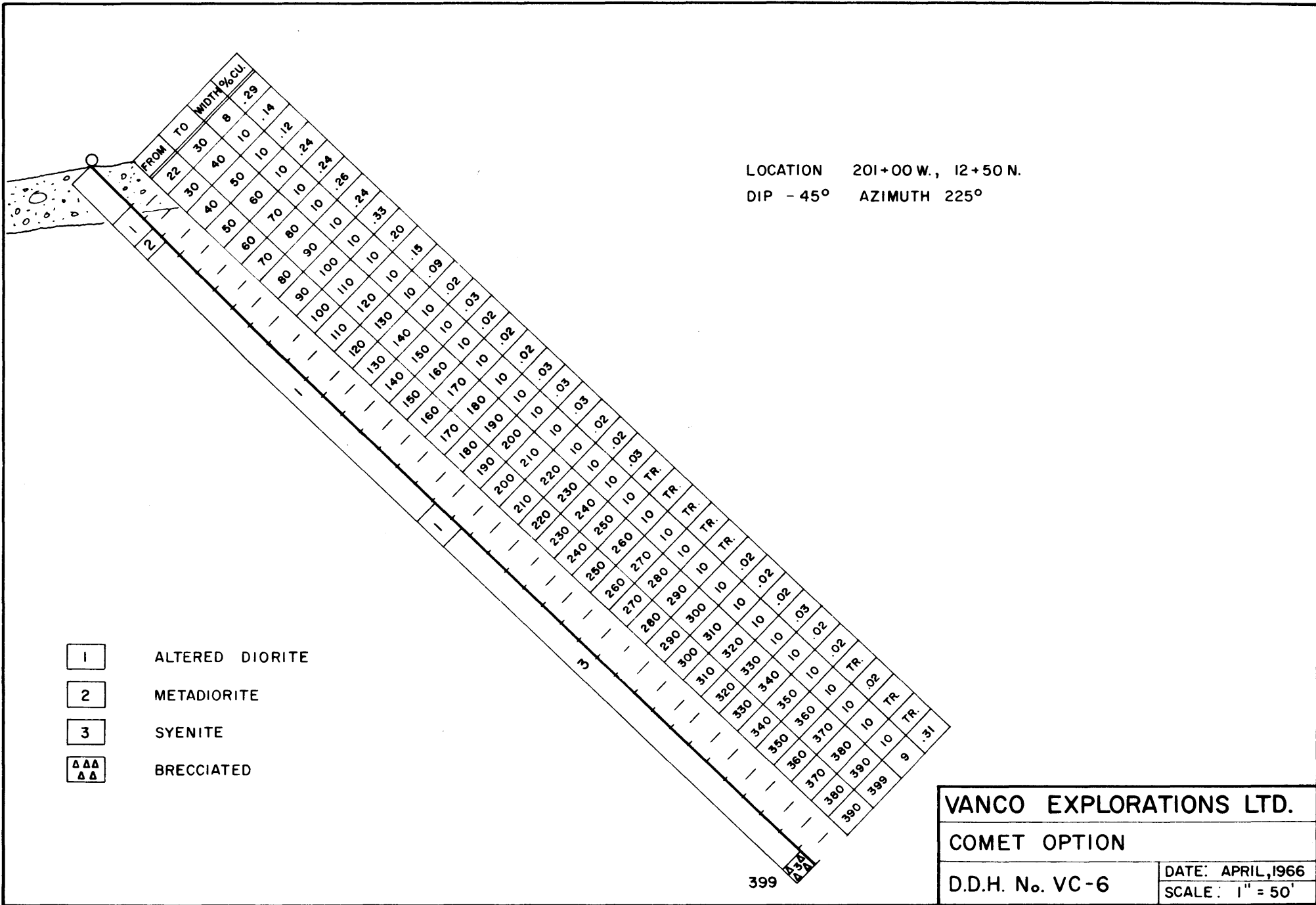
SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 22'	Overburden.							
22' - 35' <i>35</i>	DIORITE: A fine to medium grained diorite, which approaches the gabbro range over short sections. The more basic zones are composed of laths of plagioclase in a dark green aphanitic groundmass. Unit is massive with occasional patches up to 5" in diameter of chlorite, epidote and K-feldspar alteration.	522	22'	30'	8'	0.29		
		524	30'	40'	10'	0.14		
		525	40'	50'	10'	0.12		
		526	50'	60'	10'	0.24		
		527	60'	70'	10'	0.24		
		528	70'	80'	10'	0.26		
		529	80'	90'	10'	0.24		
		530	90'	100'	10'	0.33		
		531	100'	110'	10'	0.20		
		532	110'	120'	10'	0.15		
		35' - 43'	METADIORITE: Pale grey, fine grained, heavily chloritized with occasional small garnets. Possibly a highly altered gabbro. Contains very minor finely disseminated pyrite and occasionally chalcopyrite.	533	120'	130'	10'	0.08
534	130'			140'	10'	0.02		
535	140'			150'	10'	0.03		
536	150'			160'	10'	0.02		
537	160'			170'	10'	0.02		
538	170'			180'	10'	0.02		
539	180'			190'	10'	0.03		
43' - 191' <i>191</i>	ALTERED DIORITE: Fine to medium grained, lightly fractured. Original constituents were probably 70% plagioclase, 25% mafics and 5% magnetite, but have been subject to intense chlorite K-feldspar and epidote alteration. All ferromagnesian minerals are chloritized. Epidote alteration is confined to 1 foot sections and small stringers in which K-feldspar alteration occurs. Unit has an irregular mottled appearance. Feldspar alteration is incomplete in most areas and undigested plagioclase crystals are visible in K-feldspar groundmass.	540	190'	200'	10'	0.03		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

2-2

PROPERTY COMET OPTION DEPTH 399' DIP - 45° LOCATION 20 + 00 W START March 11, 1966
HOLE No. VC - 6 COLLAR EL. _____ AZIMUTH 225° 12 + 50 N FINISH March 18, 1966

SECTION		DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
From	To						%	Cu	%
43'	191'	142-144: Monzonite Porphyry Dyke: (?) Fine grained orthoclase containing 5 to 10% hornblende as euhedral crystals.							
(Contd.)									
191'	205'	Transition Zone: Brecciated diorite which changes gradually to fine grained syenite.	541	200'	210'	10'	0.03		
			542	210'	220'	10'	0.02		
			543	220'	230'	10'	0.02		
			544	230'	240'	10'	0.03		
205'	391'	Syenite: Massive, fine to medium grained, composed of 60% pale pink orthoclase, 30% plagioclase and 10% ferromagnesian minerals. Ferro-magnesian minerals are very roughly allined parallel to core axis in a trachytic structure. Epidote alteration (2%) occurs as small blebs. 376-391: Sheared at 10' to core axis. Lower contact intensely sheared (syenite pebbles in a gouge matrix).	545	240'	250'	10'	Trace		
			546	250'	260'	10'	Trace		
			547	260'	270'	10'	Trace		
			548	270'	280'	10'	Trace		
			549	280'	290'	10'	Trace		
			550	290'	300'	10'	0.02		
			551	300'	310'	10'	0.02		
			552	310'	320'	10'	0.02		
			553	320'	330'	10'	0.03		
			554	330'	340'	10'	0.03		
			555	340'	350'	10'	0.02		
			556	350'	360'	10'	Trace		
391'	399'	BRECCIA ZONE: Strongly sheared and brecciated. Syenite and dark red K-feldspar pebbles in a dark grey chlorite matrix. Contains minor finely disseminated pyrite and chalcopyrite, associated with dark red K-feldspar pebbles.	557	360'	370'	10'	0.02		
			558	370'	380'	10'	Trace		
			559	380'	390'	10'	Trace		
			560	390'	399'	9'	0.31		
399'		END OF VC - 6							
		Logged by D.H.Nicholson and J. S. DeLatre							
				Dip Tests:	200'	- 44°			
					390'	- 44°			



LOCATION 201+00 W., 12+50 N.
 DIP - 45° AZIMUTH 225°

VANCO EXPLORATIONS LTD.
 COMET OPTION
 D.D.H. No. VC-6

DATE: APRIL, 1966
SCALE: 1" = 50'

399

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-3

2-3

COMET OPTION

DEPTH 401'

DIP 45°

LOCATION 197 + 00 W

START March 17, 1966

7, 1966

VC 7

COLLAR EL.

AZIMUTH 225°

12 + 50 N

FINISH March 23, 1966

23, 1966

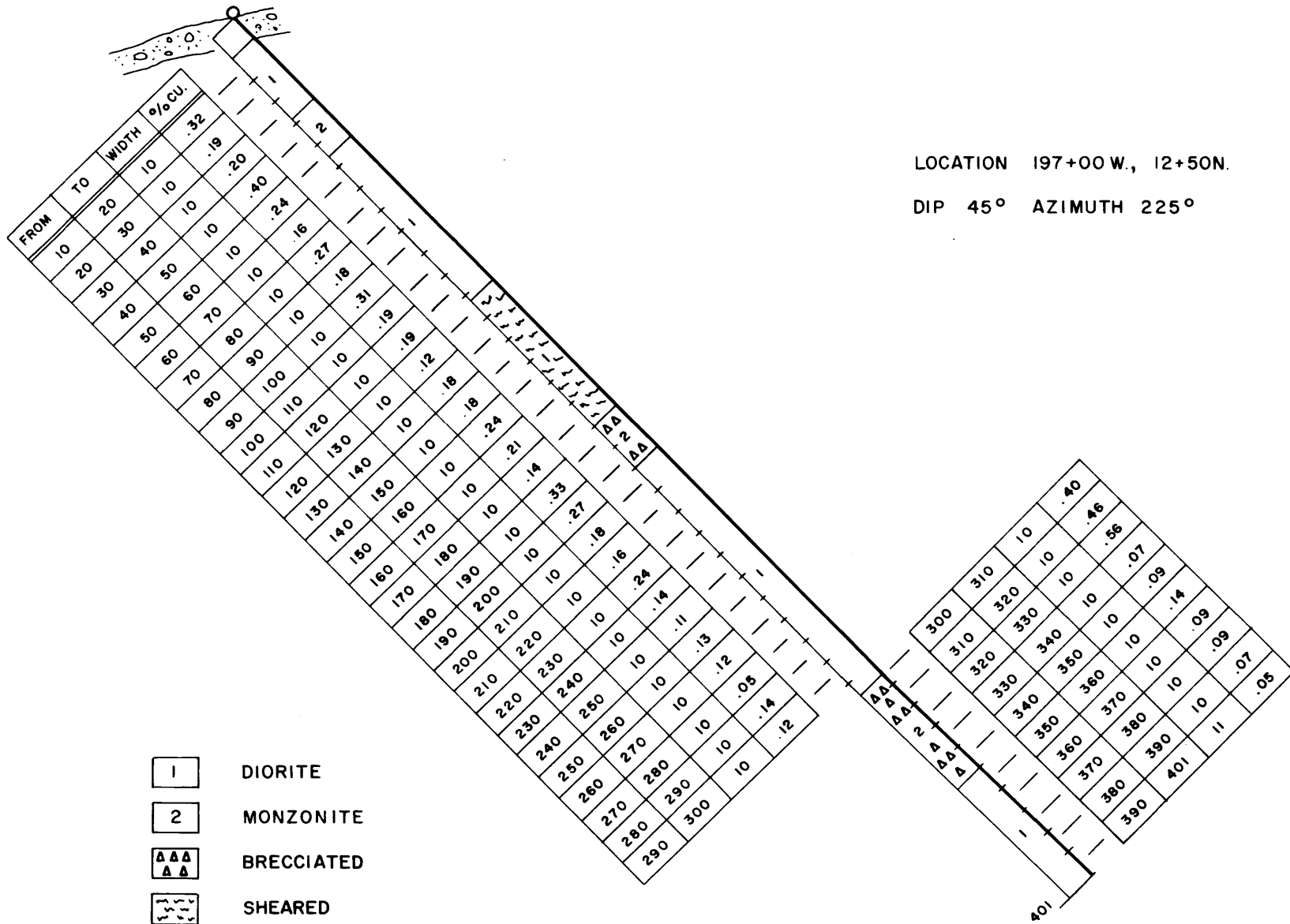
To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						%Cu	%	%
0'	Overburden.							
3'	DIORITE: Massive, medium grained, with K-feldspar as small blebs and stringers. Quartz occurs as round blebs (1/10" diameter) and some sections appear to be quite siliceous, composed of 65% plagioclase and biotite 10% K-feldspar and 5% disseminated magnetite. Minor fracturing throughout. Contains up to 2% pyrite and chalcopyrite as fracture fillings and disseminations.	561	10'	20'	10'	0.32		
		562	20'	30'	10'	0.19		
		563	30'	40'	10'	0.20		
5'	MONZONITE: Heavily fractured with breccia zones at 47-49 and 53-55 with diorite and monzonite in a quartz calcite matrix. Pyrite and chalcopyrite (2%) occurs as small stringers and disseminations.	564	40'	50'	10'	0.40		
3'	DIORITE: Fine and medium grained diorite with a range of mafic minerals from fresh to chloritized biotite and hornblende to augite. K-feldspar alteration occurs in fracture zones. Unit contains from 3 to 5% disseminated magnetite. Pyrite and minor chalcopyrite occur throughout but only reach appreciable amounts in K-feldspar areas.	565	50'	60'	10'	0.24		
		566	60'	70'	10'	0.16		
		567	70'	80'	10'	0.27		
		568	80'	90'	10'	0.18		
		569	90'	100'	10'	0.31		
		570	100'	110'	10'	0.19		
		571	110'	120'	10'	0.19		
		572	120'	130'	10'	0.12		

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

3-3

PROPERTY COMET OPTION DEPTH 401' DIP 45° LOCATION 197 + 00 W START Mar. 17, 1966
 HOLE No. VC - 7 COLLAR EL. _____ AZIMUTH 225° 12 + 50 N FINISH Mar. 23, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						%Cu	%	%
200' - 305' (Contd.)	Chalcopyrite occurs as small stringers and disseminations in the more potassic areas, and comprises 1% over short sections, e.g., 226-228 and 211-213. Lower contact - 300-305 - heavily fractured.	581	210'	220'	10'	0.16		
		582	220'	230'	10'	0.24		
		583	230'	240'	10'	0.14		
		584	240'	250'	10'	0.11		
		585	250'	260'	10'	0.13		
		586	260'	270'	10'	0.12		
		587	270'	280'	10'	0.05		
		588	280'	290'	10'	0.14		
		589	290'	300'	10'	0.12		
		590	300'	310'	10'	0.40		
305' - 350'	MONZONITE BRECCIA: 305-313: Brecciated, monzonite in a quartz calcite cement. Contains 1% chalcopyrite and very minor molybdenite as fine disseminations. 313-324: Chloritic diorite, heavily fractured. 323-324: Contains 1% MOS ₂ as smears on shear planes. 324-340: Sericite breccia zone: Sericitized fragments in quartz cement. 340-350: As in 305-313, with only minor quartz. Contains up to 1% chalcopyrite.	591	310'	320'	10'	0.46		
		592	320'	330'	10'	0.56		
		593	330'	340'	10'	0.07		
		594	340'	350'	10'	0.09		
		595	350'	360'	10'	0.14		
		596	360'	370'	10'	0.09		
		597	370'	380'	10'	0.09		
		598	380'	390'	10'	0.07		
		599	490'	401'	11'	0.05		
		350' - 401'	DIORITE: Heavily fractured diorite as in 200-305. Contains up to 1% finely disseminated pyrite					
401'	END OF VC - 7							
	Logged by D. H. Nicholson and J. S. DeLatre							
		Dip Tests:	200'	- 44°				
			400'	- 44°				

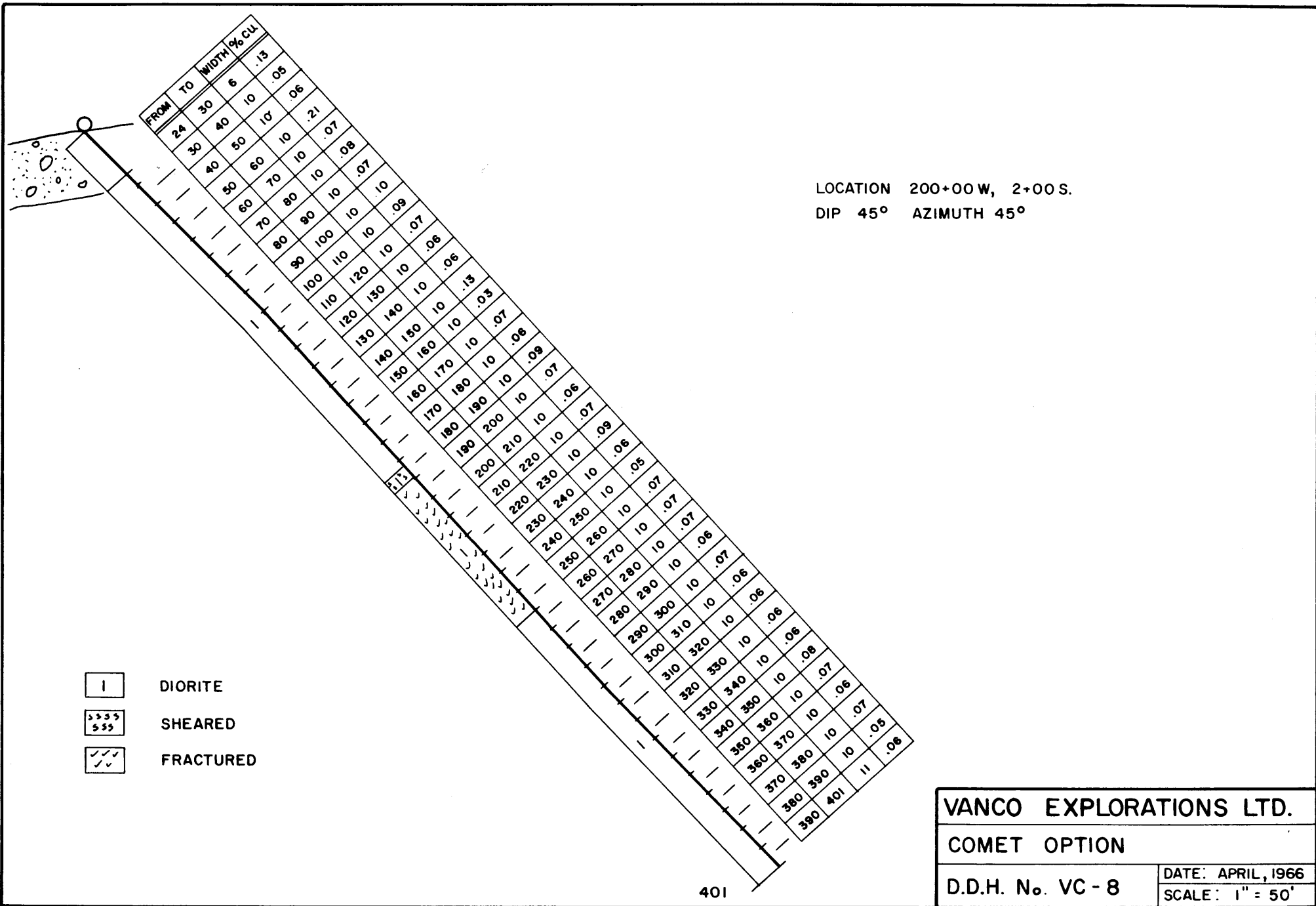


VANCO EXPLORATIONS LTD.
COMET OPTION
D.D.H. No VC - 7
DATE: MARCH 1966
SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY COMET OPTION DEPTH 401' DIP - 45° LOCATION 2 + 00 S START March 19, 1966
HOLE No. VC - 8 COLLAR EL. _____ AZIMUTH 45° 200 + 00 W FINISH March 25, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 24'	Overburden.							
24' - 174'	DIORITE: Massive, dark grey, medium grained. 60% plagioclase, 30% mafics (hornblende and minor augite). K-feldspar occurs as fracture fillings with epidote borders and very minor disseminated pyrite. Contains 5 to 10% magnetite as fine disseminations throughout and bands up to 2" thick at 70' to core axis, which usually have epidote and minor pyrite on the contacts. Occasional chlorite and calcite filled fractures throughout. At 90': a few specs of fine grained chalcopryrite in massive magnetite with pyrite. 106-110: Fracture zone: Partial K-feldspar replacement of shattered diorite. Contains minor pyrite and up to 15% calcite as veinlets and disseminations. 107-107.6: Massive calcite.	600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615	24' 30' 40' 50' 60' 70' 80' 90' 100' 110' 120' 130' 140' 150' 160' 170'	30' 40' 50' 60' 70' 80' 90' 100' 110' 120' 130' 140' 150' 160' 170' 180'	6' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10'	0.13 0.05 0.06 0.21 0.07 0.08 0.07 0.10 0.09 0.07 0.06 0.06 0.13 0.03 0.07 0.06		
174' - 176'	DIORITE BRECCIA: Angular pieces of diorite in a chlorite epidote matrix.							
176' - 182'	DIORITE: As in 24-174, but heavily fractured and partially chloritized.							



FROM	TO	WIDTH	% CL
24	30	6	.13
30	40	10	.08
40	50	10	.21
50	60	10	.07
60	70	10	.08
70	80	10	.07
80	90	10	.10
90	100	10	.07
100	110	10	.10
110	120	10	.09
120	130	10	.07
130	140	10	.06
140	150	10	.13
150	160	10	.03
160	170	10	.07
170	180	10	.08
180	190	10	.09
190	200	10	.07
200	210	10	.06
210	220	10	.09
220	230	10	.05
230	240	10	.07
240	250	10	.06
250	260	10	.07
260	270	10	.06
270	280	10	.06
280	290	10	.08
290	300	10	.08
300	310	10	.07
310	320	10	.06
320	330	10	.07
330	340	10	.06
340	350	10	.06
350	360	10	.08
360	370	10	.07
370	380	10	.06
380	390	10	.05
390	401	11	.06

LOCATION 200+00 W, 2+00 S.
 DIP 45° AZIMUTH 45°

- I DIORITE
- SSS SHEARED
- /// FRACTURED

VANCO EXPLORATIONS LTD.	
COMET OPTION	
D.D.H. No. VC - 8	DATE: APRIL, 1966
	SCALE: 1" = 50'

401

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-2

PROPERTY COMET OPTION DEPTH 452' DIP 45° LOCATION 197 + 00 W START Mar. 24, 1966
HOLE No. VC - 9 COLLAR EL. _____ AZIMUTH 315° 12 + 50 N FINISH Mar. 27, 1966

SECTION		DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
From	To						% Cu	%	%
0'	13'	Overburden.							
13'	98'	DIORITE: Grey, medium grained, with approximately 20% ferromagnesian minerals, 30% orthoclase and 50% plagioclase. Oxidized to a depth of 26' (rusty with malachite). Contains up to 2% pyrite, 0.5% chalcopyrite in small fractures and 3% magnetite throughout. Fracturing at 90° and 10° to core axis.	638	13'	20'	7'	0.24		
			639	20'	30'	10'	0.24		
			640	30'	40'	10'	0.15		
			641	40'	50'	10'	0.15		
			642	50'	60'	10'	0.20		
			643	60'	70'	10'	0.15		
			644	70'	80'	10'	0.09		
			645	80'	90'	10'	0.29		
			646	90'	100'	10'	0.41		
98'	228'		ALTERED DIORITE: Crush zone with up to 50% orthoclase, unit is grey with zones of pink. Contains less than 1% sulphides.	647	100'	110'	10'	0.16	
		648		110'	120'	10'	0.40		
		649		120'	130'	10'	0.38		
		650		130'	140'	10'	0.21		
		651		140'	150'	10'	0.21		
		652		150'	160'	10'	0.13		
228'	372'	MONZONITE: 228-367: Massive, pinkish grey and red. Contains 1% chalcopyrite with a few smears of molybdenite at 242. Contains up to 2% magnetite. 367-372: Sheared with much calcite.	653	160'	170'	10'	0.13		
			654	170'	180'	10'	0.12		
			655	180'	190'	10'	0.16		
			656	190'	200'	10'	0.16		
			657	200'	210'	10'	0.16		
			658	210'	220'	10'	0.27		
			659	220'	230'	10'	0.36		
			660	230'	240'	10'	0.13		
372'	452'	ALTERED DIORITE: Massive, medium grained diorite with considerable orthoclase alteration. Minor pyrite and chalcopyrite mineralization in calcite filled fractures. Contains 2% magnetite throughout. 390-440: Contains 1% chalcopyrite.	661	240'	250'	10'	0.18		
			662	250'	260'	10'	0.18		
			663	260'	270'	10'	0.68		
			664	270'	280'	10'	0.10		
			665	280'	290'	10'	0.36		
			666	290'	300'	10'	0.74		
			667	300'	310'	10'	0.48		
452'		END OF VC - 9	668	310'	320'	10'	0.36		

Logged by D. H. Nicholson and J. S. DeLatre.

How about B.X.?

(See analysis)

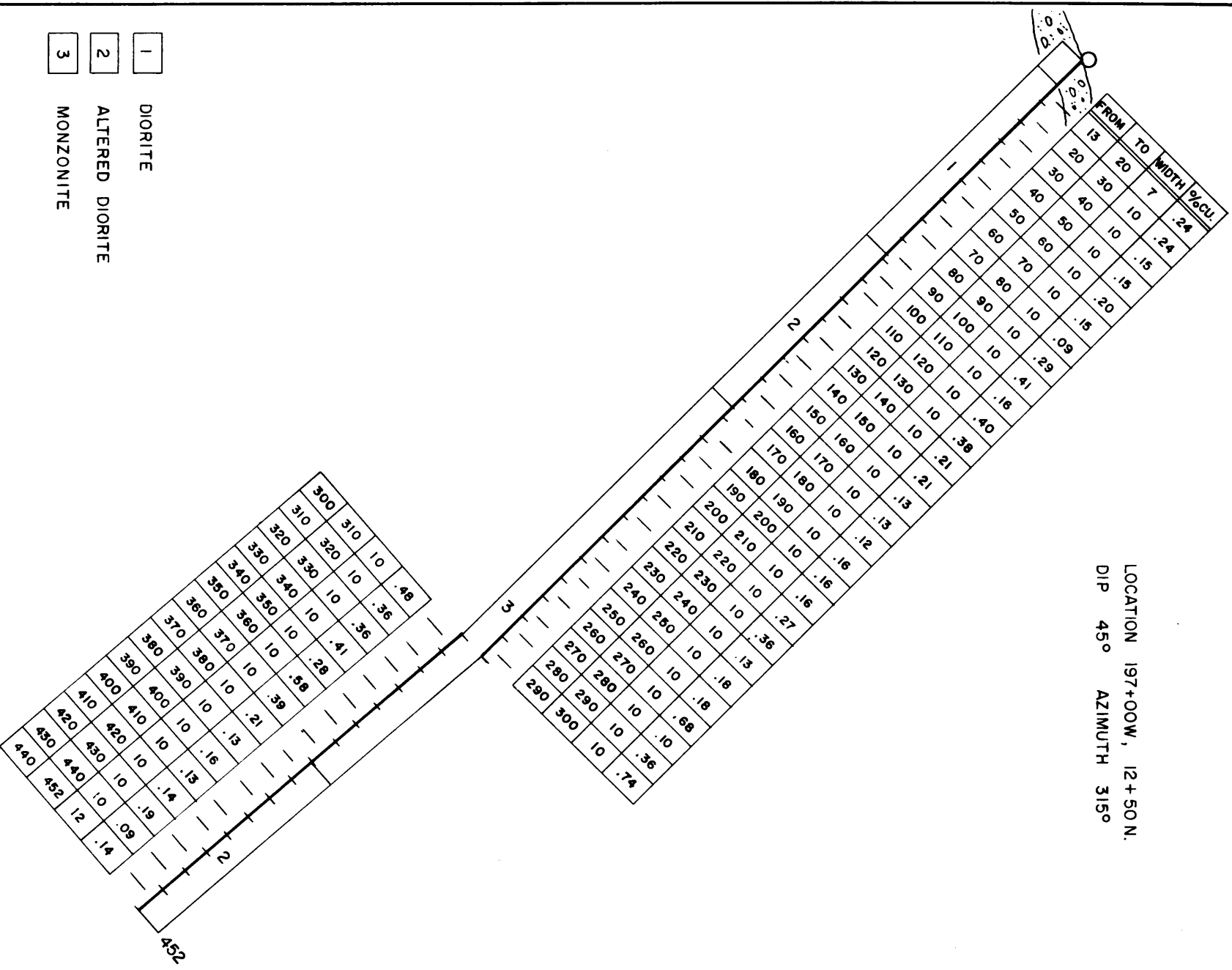
VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

2-2

PROPERTY COMET OPTION DEPTH 452' DIP 45° LOCATION 197 + 00 W START March 24, 1966
 HOLE No. VC - 9 COLLAR EL. _____ AZIMUTH 315° 12 + 50 N FINISH March 27, 1966

SECTION From	To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
							% Cu	%	%
		Logged by D. H. Nicholson and J. S. DeLatre	669	320'	330'	10'	0.36		
			670	330'	340'	10'	0.41		
			671	340'	350'	10'	0.28		
			672	350'	360'	10'	0.58		
			673	360'	370'	10'	0.39		
		<u>Dip Tests:</u> 200' - 45°	674	370'	380'	10'	0.21		
		400' - 49° (Tube broken, reading not used)	675	380'	390'	10'	0.13		
			676	390'	400'	10'	0.16		
			677	400'	410'	10'	0.13		
			678	410'	420'	10'	0.14		
			679	420'	430'	10'	0.19		
			680	430'	440'	10'	0.09		
			681	440'	452'	12'	0.14		

LOCATION 197+00W, 12+50 N.
 DIP 45° AZIMUTH 315°



- 1 DIORITE
- 2 ALTERED DIORITE
- 3 MONZONITE

VANCO EXPLORATIONS LTD.

COMET OPTION

D.D.H. No. VC - 9

DATE: APRIL 1966
 SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-2

PROPERTY COMET OPTION DEPTH 401' DIP - 45° LOCATION 192 + 00 W START Mar. 28, 1966
HOLE No. VC - 10 COLLAR EL. _____ AZIMUTH 45° 18 + 50 N FINISH Apr. 11, 1966

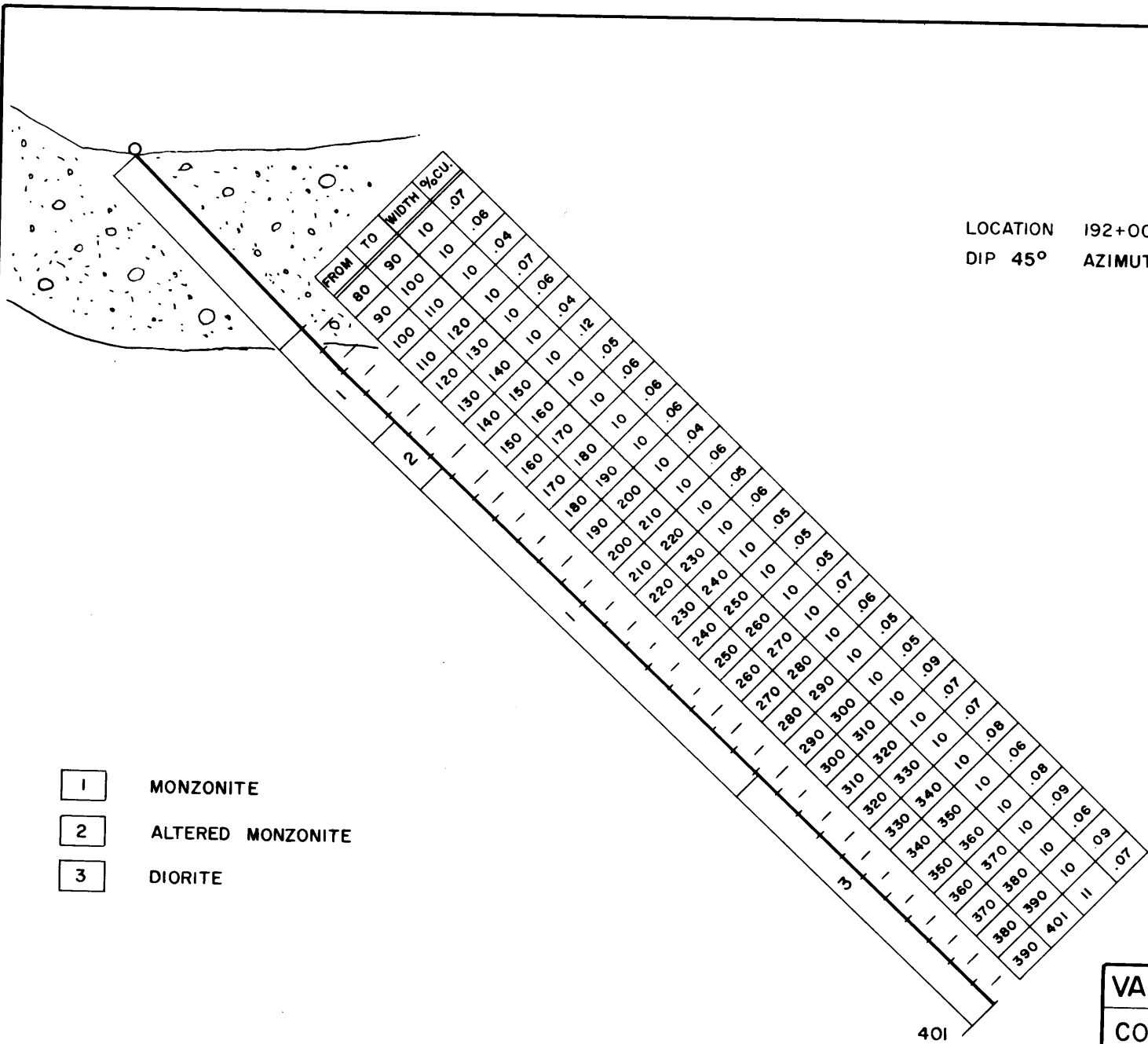
SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 80'	Overburden.							
80' - 291'	MONZONITE: 80-97: Medium grained, pinkish grey, massive, composed of 55% orthoclase, 30% feldspar and 15% mafic minerals (mainly augite with lesser hornblende). Calcite and epidote alteration moderately developed. ✓ Minor fracturing at 90° to core axis. ✓ Contains 1% finely disseminated pyrite and 2-3% magnetite. 97-104: Gouge Zone: Very friable monzonite with much epidote and minor pyrite. 104-123: Contains 20-30% ferromagnesian minerals (mostly biotite with minor <u>olivine</u>). Carbonate content increases with depth. 123-145: Carbonatized: Many calcite filled fractures at 40° to core axis. Contains 2% finely disseminated pyrite with occasional specks of chalcopyrite. 145-156: Augite Monzonite: 30% augite with 5% secondary monzonite in calcite filled fractures. 156-168: Sheared at 90° to core axis. 168-223: Augite Monzonite: Massive, pinkish grey. Contains 2 to 3% quartz as small veinlets and pods. <i>B.S.</i> Replaces calcite in a 6" calcite band at 180'. Contains 3 to 4% pyrite over short sections and 3% magnetite throughout	682 683 684 685 686 687 688 689 690 691 692 693 694 695	80' 90' 100' 110' 120' 130' 140' 150' 160' 170' 180' 190' 200' 210'	90' 100' 110' 120' 130' 140' 150' 160' 170' 180' 190' 200' 210' 220'	10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10'	0.07 0.06 0.04 0.07 0.06 0.04 0.12 0.05 0.06 0.06 0.04 0.06 0.05		

B.S. 1

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY COMET OPTION DEPTH 401' DIP - 45° LOCATION 192 + 00 W START March 28, 1966
 HOLE No. VC - 10 COLLAR EL. _____ AZIMUTH 45° FINISH April 11, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
80' - 291' (Contd)	223-291: As above with 25% augite in orthoclase-plagioclase matrix. Contains 2% pyrite and 3% magnetite finely disseminated throughout.	696	220'	230'	10'	0.06		
		697	230'	240'	10'	0.05		
		698	240'	250'	10'	0.05		
		699	250'	260'	10'	0.05		
		700	260'	270'	10'	0.07		
291' - 401'	DIORITE: Moderately altered by chlorite, K-feldspar and minor epidote. Minor calcite veining throughout. Occasional shearing at 80° to 90° to core axis with hematite filled shear planes. Small patches of magnetite rich metadiorite occur throughout.	701	270'	280'	10'	0.06		
		702	280'	290'	10'	0.05		
		703	290'	300'	10'	0.05		
		704	300'	310'	10'	0.09		
		705	310'	320'	10'	0.07		
		706	320'	330'	10'	0.07		
		707	330'	340'	10'	0.08		
	325-331: Moderate K-feldspar alteration with 3% magnetite.	708	340'	350'	10'	0.06		
		709	350'	360'	10'	0.08		
	331-397: Cut by orthoclase and calcite veinlets which contain up to 5% pyrite.	710	360'	370'	10'	0.09		
		711	370'	380'	10'	0.06		
	397-401: Gouge zone.	712	380'	390'	10'	0.09		
		713	390'	401'	11'	0.07		
401'	END OF VC - 10							
	Logged by D. H. Nicholson and J. S. DeLatre							
	<u>Dip Tests:</u> 200' - 43° 400' - Tube Broken.							



LOCATION 192+00W, 18+50 N.
 DIP 45° AZIMUTH 45°

- 1 MONZONITE
- 2 ALTERED MONZONITE
- 3 DIORITE

VANCO EXPLORATIONS LTD.	
COMET OPTION	
D.D.H. No. VC - 10	DATE: APRIL, 1966
	SCALE: 1" = 50'

401

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-1

PROPERTY COMET OPTION DEPTH 200' DIP 90° LOCATION 195 + 00 W START April 2, 1966
 HOLE No. VC - 11 COLLAR EL. _____ AZIMUTH - FINISH April 4, 1966
16 + 50 N

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 24'	Overburden.							
24' - 138'	MONZONITE: Massive, medium grained, pinkish grey. Consists of 50% plagioclase, 35% orthoclase and 15% ferromagnesian minerals. Shearing at 10 and 90 to core axis, in which occurs 3 to 5% pyrite with occasional blebs of arsenopyrite. Contains 2 to 3% disseminated magnetite. 125-134: Gouge Zone 134-138: Carbonate with minor quartz occasionally replacing calcite.	717	24'	30'	6'	0.09		
		718	30'	40'	10'	0.06		
		719	40'	50'	10'	0.07		
		720	50'	60'	10'	0.07		
		721	60'	70'	10'	0.07		
		722	70'	80'	10'	0.08		
		723	80'	90'	10'	0.08		
		724	90'	100'	10'	0.06		
		725	100'	110'	10'	0.06		
		726	110'	120'	10'	0.08		
		727	120'	130'	10'	0.08		
		728	130'	140'	10'	0.08		
		138' - 162'	DIORITE: Moderate K-feldspar alteration throughout. Minor shearing parallel to core axis, with chloritic shear planes and containing 1% pyrite. Up to 2% magnetite disseminated throughout.	729	140'	150'	10'	0.07
730	150'			160'	10'	0.11		
731	160'			170'	10'	0.08		
732	170'			180'	10'	0.11		
733	180'			190'	10'	0.12		
734	190'			200'	10'	0.09		
162' - 200'	MONZONITE: "porphyritic" texture caused by tiny calcite and kaolinite "phenocrysts". Contains 2% disseminated magnetite and pyrite.							
200'	END OF VC - 11 Logged by D. H. Nicholson and J. S. DeLatre							
	Dip Tests: None							

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-1

PROPERTY COMET OPTION DEPTH 201' DIP 90° LOCATION 195 + 00 W START April 5, 1966
 HOLE No. VC - 12 COLLAR EL. - AZIMUTH - 14 + 50 N FINISH April 7, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						%	%	%
0' - 38'	Overburden.							
38' - 201'	MONZONITE: 38-58: Medium grained, pinkish grey, 60% orthoclase, 30% plagioclase and 10% ferromagnesian minerals. Irregular calcite filled fractures occur throughout containing up to 1% pyrite. 2% disseminated magnetite throughout. 58-110: Sheared: Chloritized with much carbonate, contains up to 4% pyrite. 110-144: Carbonitized: Contains 55% calcite. Unit is whitish grey, friable and sheared at 45 to core axis. 144-201: Altered: as in 110-144, but with small blebs of kaolinite through- out. Minor pyrite and magnetite throughout.	736 737 738 739 740 741 742 743 744 745 746 747 749 750 751 752	38' 50' 60' 70' 80' 90' 100' 110' 120' 130' 140' 150' 160' 170' 180' 190'	50' 60' 70' 80' 90' 100' 110' 120' 130' 140' 150' 160' 170' 180' 190' 201'	12' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10' 11'	0.03 0.03 0.06 0.03 0.02 0.06 0.07 0.05 0.05 0.06 0.03 0.06 0.03 0.05 0.05 0.06		
201'	END OF VC - 12 Logged by D. H. Nicholson and J. S. DeLatre <u>Dip Test: 200' - 90°</u>							

*Strongly
alkalined*

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

1-1

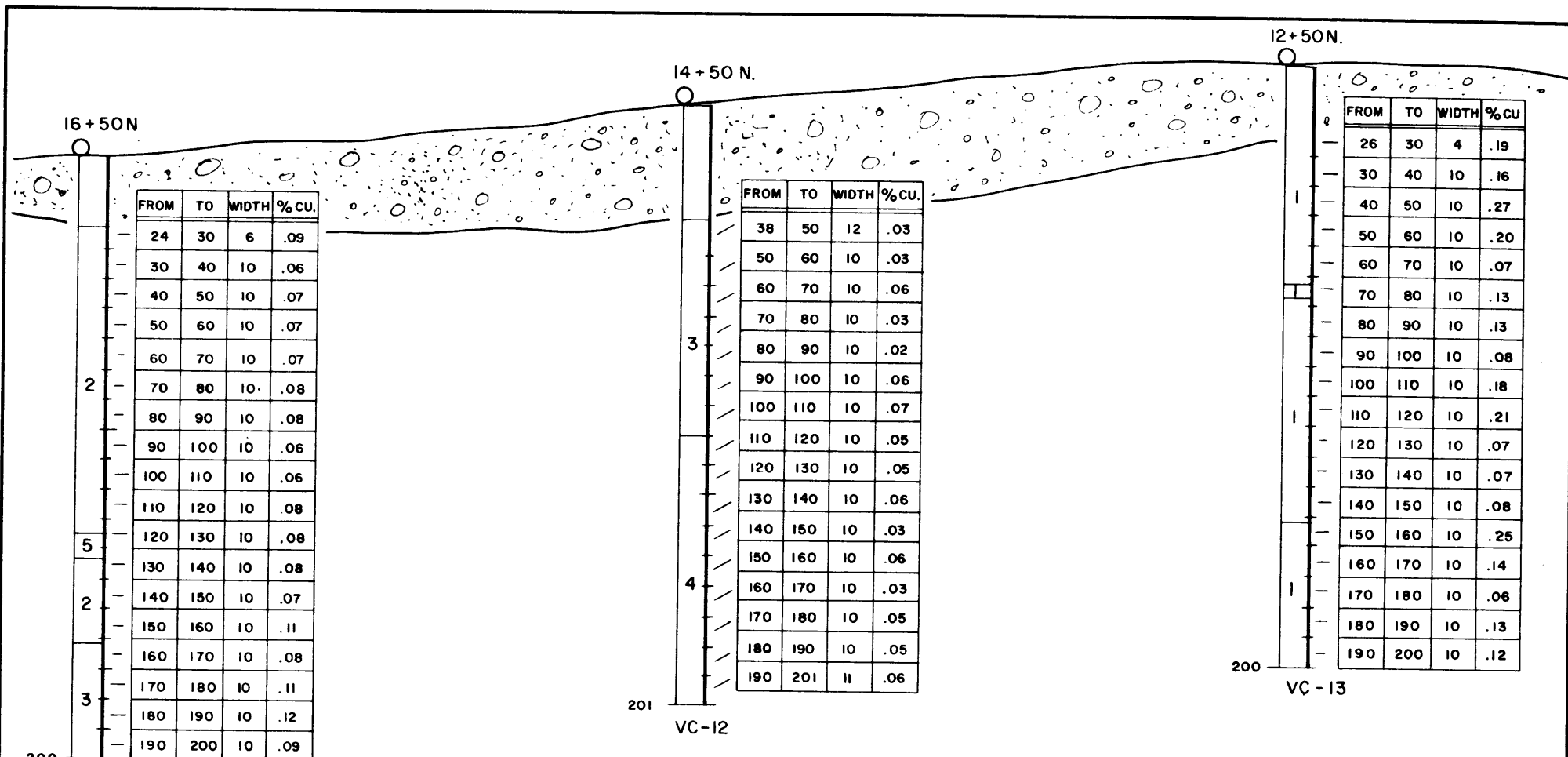
PROPERTY COMET OPTION DEPTH 200' DIP 90 LOCATION 195 + 00 W START April 8, 1966
 HOLE No. VC - 13 COLLAR EL. _____ AZIMUTH - FINISH April 11, 1966
12 + 00 N

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 13'	Overburden.							
13' - 72'	DIORITE: Massive, medium grained, consists of 55% plagioclase, 15% orthoclase and 30% ferromagnesian minerals. Minor pyrite mineralization occurs along fracture planes.	753	26'	30'	4'	0.19		
		754	30'	40'	10'	0.16		
		755	40'	50'	10'	0.27		
		756	50'	60'	10'	0.20		
		757	60'	70'	10'	0.07		
		758	70'	80'	10'	0.13		
		759	80'	90'	10'	0.13		
72' - 77'	Moderately sheared with abundant calcite.	760	90'	100'	10'	0.08		
77' - 151'	Massive, dark grey, medium grained, contains 60% plagioclase and 40% hornblende. Contains 3% disseminated magnetite.	761	100'	110'	10'	0.18		
		762	110'	120'	10'	0.21		
		763	120'	130'	10'	0.07		
		764	130'	140'	10'	0.07		
		765	140'	150'	10'	0.08		
		766	150'	160'	10'	0.25		
151' - 200'	Moderately sheared containing considerable calcite as fracture fillings with approximately 1% pyrite. Shearing is parallel to core axis. Heavily chloritized from 194' to 200'.	767	160'	170'	10'	0.14		
		768	170'	180'	10'	0.06		
		769	180'	190'	10'	0.13		
		770	190'	200'	10'	0.12		
200'	END OF VC - 13							
	Logged by D. H. Nicholson and J. S. DeLatre.							
	Dip Test: 200' - 90'							

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY COMET OPTION DEPTH 201' DIP 90° LOCATION 195 + 00 W START April 13, 1966
 HOLE No. VC - 14 COLLAR EL. _____ AZIMUTH - 10 + 50 N FINISH April 14, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 46'	Overburden.		NOT	SAMPLED				
46' - 85'	MONZONITE: 46-60: Medium grained, mottled pink and grey. Contains 40% orthoclase, 30% plagioclase and 30% chloritic ferromagnesian minerals. Unit is probably an altered diorite. Contains 1% disseminated pyrite. Calcite veinlets occur irregularly throughout. 60-85: Sheared, parallel to core axis, with considerable calcite and 1% pyrite.	<i>Very low looking through core</i>						
85' - 201'	(Same as above) ALTERED DIORITE: Contains 20% orthoclase as small veinlets and blebs. Light shearing throughout with chlorite epidote and 1% pyrite in shear planes. Contains 2 to 4% magnetite throughout. 135-138: Crush zone.							
201'	END OF VC - 14 Logged by D. H. Nicholson and J. S. DeLatre <u>Dip Test: 200' - 90°</u>							



FROM	TO	WIDTH	% CU.
24	30	6	.09
30	40	10	.06
40	50	10	.07
50	60	10	.07
60	70	10	.07
70	80	10	.08
80	90	10	.08
90	100	10	.06
100	110	10	.06
110	120	10	.08
120	130	10	.08
130	140	10	.08
140	150	10	.07
150	160	10	.11
160	170	10	.08
170	180	10	.11
180	190	10	.12
190	200	10	.09

FROM	TO	WIDTH	% CU.
38	50	12	.03
50	60	10	.03
60	70	10	.06
70	80	10	.03
80	90	10	.02
90	100	10	.06
100	110	10	.07
110	120	10	.05
120	130	10	.05
130	140	10	.06
140	150	10	.03
150	160	10	.06
160	170	10	.03
170	180	10	.05
180	190	10	.05
190	201	11	.06

FROM	TO	WIDTH	% CU.
26	30	4	.19
30	40	10	.16
40	50	10	.27
50	60	10	.20
60	70	10	.07
70	80	10	.13
80	90	10	.13
90	100	10	.08
100	110	10	.18
110	120	10	.21
120	130	10	.07
130	140	10	.07
140	150	10	.08
150	160	10	.25
160	170	10	.14
170	180	10	.06
180	190	10	.13
190	200	10	.12

SECTION: LINE 195+00W

- 1 DIORITE
- 2 ALTERED DIORITE
- 3 MONZONITE
- 4 ALTERED MONZONITE
- 5 GOUGE ZONE

VANCO EXPLORATIONS LTD.	
COMET OPTION	
D.D.H. No. VC-II, 12, & 13	DATE: MAY, 1966
	SCALE: 1" = 50'

VANCO EXPLORATIONS LTD.
DIAMOND DRILL HOLE RECORD

PROPERTY COMET OPTION DEPTH 382' DIP 45° LOCATION 208 + 00 W START April 15, 1966
 HOLE No. VC - 15 COLLAR EL. _____ AZIMUTH 270° 10 + 00 N FINISH April 18, 1966

SECTION From To	DESCRIPTION	SAMPLE NUMBER	FROM	TO	WIDTH	ANALYSES		
						% Cu	%	%
0' - 40'	Overburden.							
40' - 158'	ALTERNED DIORITE <i>B.S.</i> Medium grained, grey, with 20 to 30% orthoclase, plagioclase and ferromagnesian minerals in equal proportions. Contains 5% calcite as fracture fillings. (fracturing at 45° to core axis) 1% pyrite and occasional specs of chalcopyrite associated with calcite filled fractures. 2% magnetite disseminated throughout. 94-104: Breccia zone: siliceous diorite fragments cemented by calcite.			NOT SAMPLED				
158' - 206'	CARBONATE ZONE: As above with 50% calcite. Contains small crush zones throughout with numerous quartz fragments throughout. 1% pyrite occurs throughout.							
206' - 382'	<i>tr. albite & light pyrite - pkls; 93-100 cm breccias</i> MONZONITE: Massive, medium grained with 50% orthoclase, 30% augite, 15% plagioclase and 5% calcite. Approximately 1% pyrite occurs throughout with occasional specs of chacopyrite and rarely bornite. 372-382: Strong albite, and calcite alteration.							
382'	END OF VC - 15							
	Logged by D. H. Nicholson and J. S. DeLatre							
				Dip Tests:	200'	46°		
					382'	46°		