

SCHEDULE "B"

DOLMAGE, CAMPBELL & ASSOCIATES  
CONSULTING GEOLOGISTS  
808 BANK OF CANADA BUILDING  
VANCOUVER 1, B.C.

Arctic Mining & Exploration Ltd. (N.P.L.)

Summary Report

EXPLORATION WORK ON CARCROSS, Y. T. PROPERTY

Nov. 12, 1966 - Mar. 31, 1967

Nov. 21, 1967.

D.D. Campbell  
C.R. Saunders

Consultants

Vancouver, Canada.

DOLMAGE, CAMPBELL & ASSOCIATES  
CONSULTING GEOLOGISTS  
808 BANK OF CANADA BUILDING  
VANCOUVER 1, B. C.

- 1 -

INTRODUCTION

In accordance with the required information for the Northern Mineral Assistance Grant the following report presents a brief description of the geology, history and work done on the mineral property of Arctic Mining & Exploration Ltd. at Carcross, Y. T.

Appended to the descriptive portion of the report is a complete list of the diamond drill holes drilled during the exploration of this deposit in the designated period.

EXPLORATION & DEVELOPMENT WORK

PREVIOUS WORK:

The Arctic property was acquired by purchase, option and staking in 1964-65. The five properties; the Big Thing (now known as the Arctic Caribou), the Montana, the Uranus, the Mountain Hero and the Joe Petty, all silver-gold deposits, had not been seriously worked since the district had experienced minor production activity in 1910-15. All of the underground workings were blocked by ice in 1965 and for only one, the Big Thing, were any old records available. These indicated that 3,000 tons of silver-gold ore grading 1-2 oz/t. gold and 100-200 oz/t. silver had been shipped in 1915.

RECENT WORK:

Bulldozer trenching and dump sampling by Arctic Mining and Exploration Ltd. in 1965 indicated fair surface continuity and good grades in both the Big Thing and Montana veins. Because the former property was closest to Carcross, Yukon and in addition had old records available for it as mentioned above, it was decided to concentrate work on it to determine the ore potential of that property alone. Accordingly a program of exploration was started on the Big Thing in late 1965.

In view of the fact that permafrost made surface stripping slow and difficult, and surface diamond drilling may not be definitive enough for a high grade vein deposit of this type, the decision was made to collar a new adit, drive a cross-cut to the vein, drift on the vein and break into and open up the old workings. The cross-cutting, drifting and raising portion of this program was completed prior to Nov. 12, 1966. However, diamond drilling was continued after the drifting was completed and during the period Nov. 12, 1966 to March 31, 1967.

The purpose of the drilling was to explore beyond the known ore and the old workings to determine if enough ore was available to support an economic mining operation. A listing of the individual drill holes with accompanying assays for the period in question is appended.

### MINE GEOLOGY

The Arctic Caribou mine is located within a granodiorite stock intruding sediments and volcanics of Mesozoic age. All other known deposits on Arctic property lie within amygduloidal volcanics of the Hutshi Group of Cretaceous age.

All of the known ore occurrences on the Arctic property are vein deposits with principal values being in silver and gold. The veins are relatively narrow but high grade with local ore shoots grading as high as several ounces per ton in gold and hundreds of ounces per ton in silver.

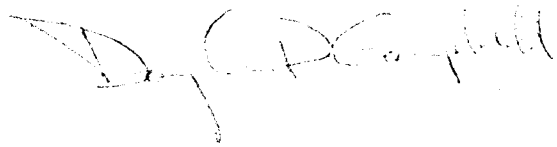
The veins are comprised of grey-white generally cherty quartz containing local nests and vugs of comb quartz. The most widespread sulphide is arsenopyrite but there are also local concentrations of galena, sphalerite, chalcopyrite and freibergite. Pyrite is uncommon within the veins but is widespread in the adjacent wallrock.

The veins are extremely variable in widths, ranging from a maximum of 5 ft. to stringers a few inches in width. Average width at the Arctic Caribou Mine is 2-3 feet.

No regional or major faults are known in the area but a number of faults have been exposed underground at the Arctic Caribou Mine. The faults belong to two sets, both vertical, one striking eastward and the other northward. Both sets displace the veins about 15 feet vertically.

ORE RESERVE: Enough ore has been outlined by the old workings and by the exploration diamond drilling program whose individual holes are appended to this report to warrant placing the mine into production at 200 tons per day. Most of the ore proven to date occurs on four veins in the Arctic Caribou Mine.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "D. D. Campbell".

Douglas D. Campbell, P.Eng., Ph.D.

## APPENDIX

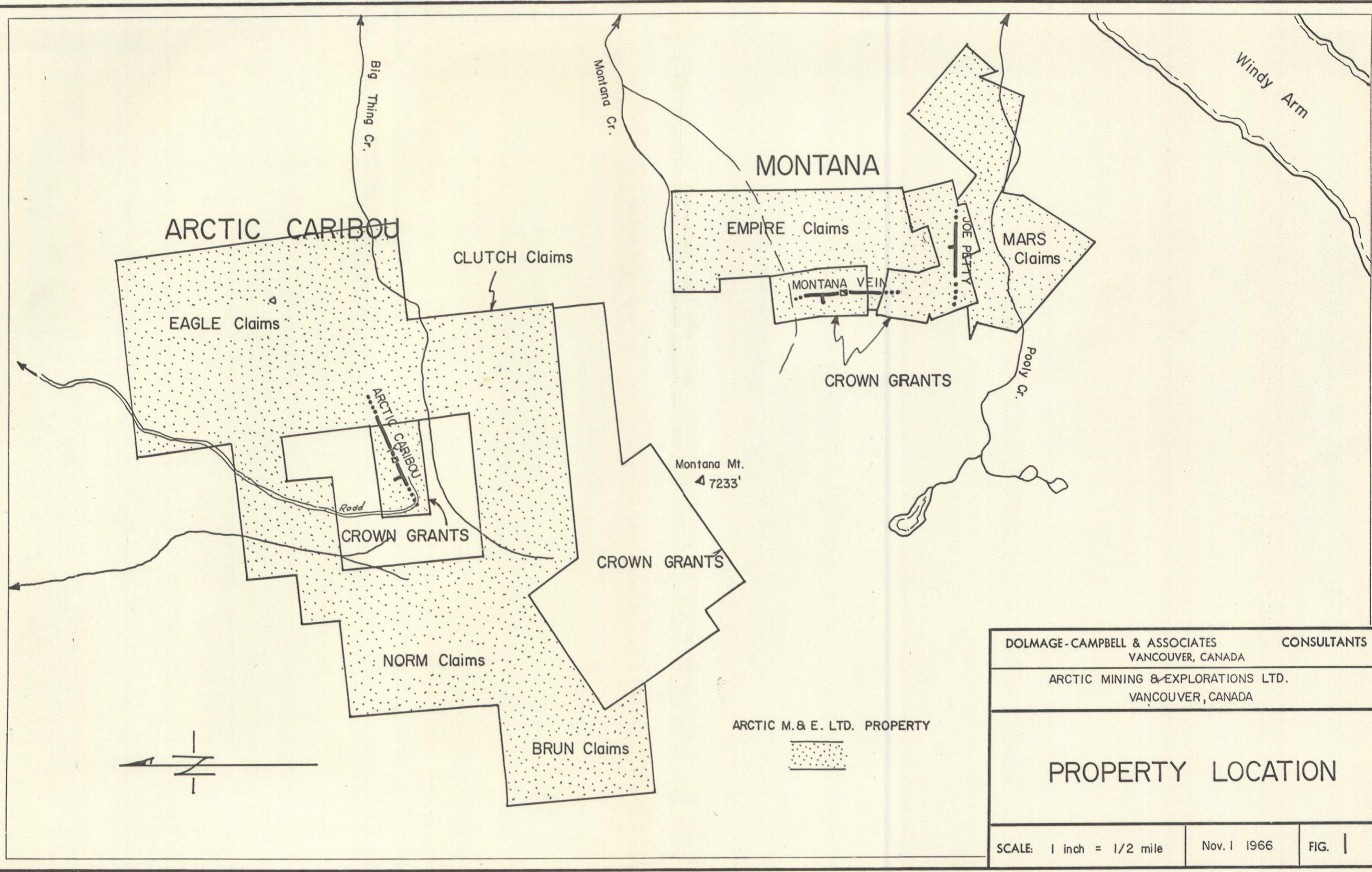
List of all diamond drill holes drilled  
during the period Nov. 12/66 to  
Mar. 31/67, with pertinent assay data.

Diamond Drilling Details for the Period Nov. 12/66 to Mar. 31/67

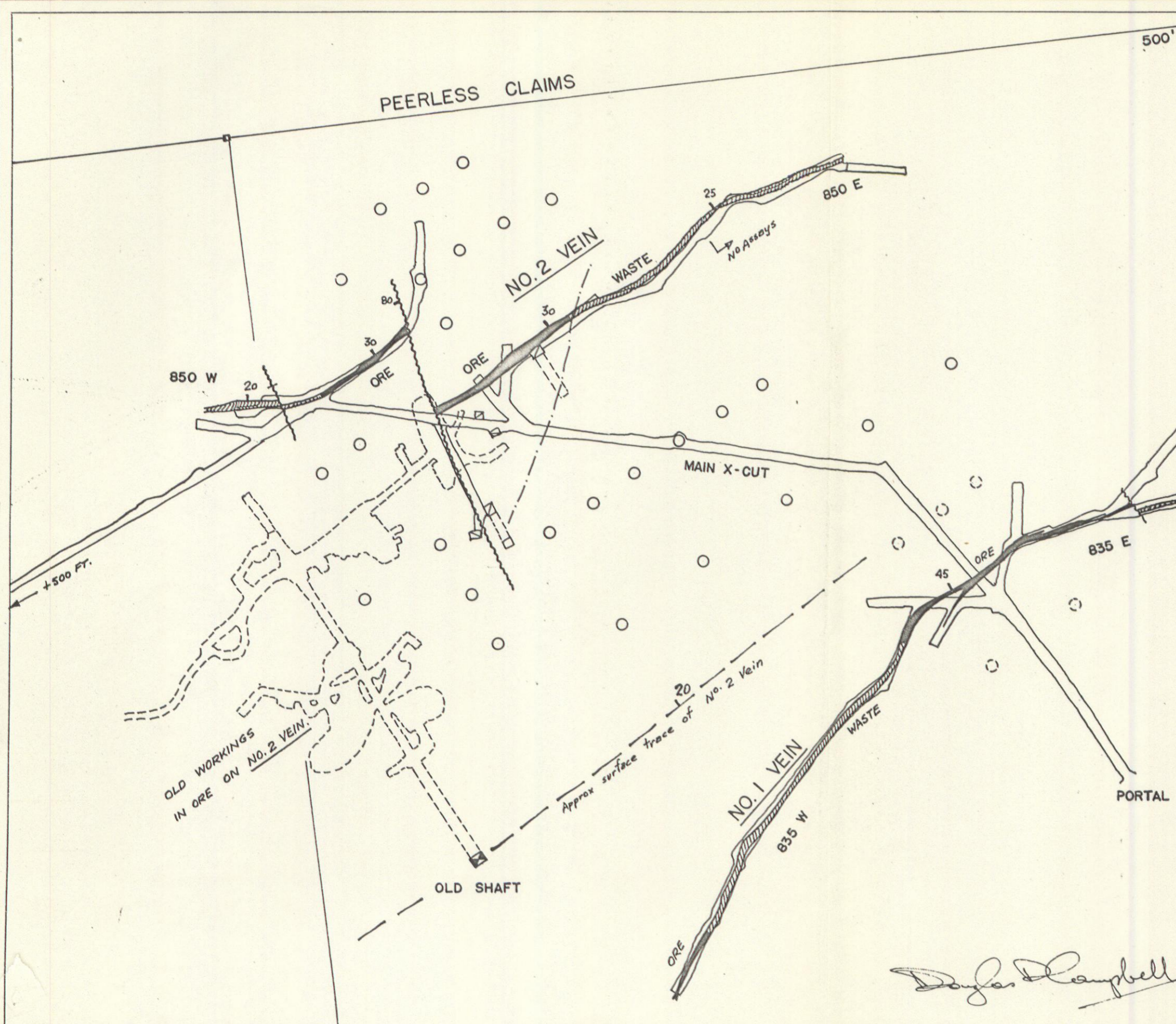
Hole No.	Length					ASSAYS							
		From	To	Au	Ag	From	To	Au	Ag	From	To	Au	Ag
U28	105	67.8	69.5	.16	8.26								
U29	100	63.5	64.7	.04	3.88								
U30	98	84	85	.40	6.72								
U31	104	81.5	82.5	.32	4.50	85	86.5	.36	2.94				
U32	136	126.3	128.5	.70	10.8								
U33	138												
U34	123	102.5	104.5	.12	.26								
U35	302												
U36	130	107	109	1.72	4.56	109	111	.90	8.52				
U37	198	181	182	.14	1.66								
U38	216	158.5	159.5	.08	8.54								
U39	102	73.9	74.9	.52	23.5								
U40	119	88	89.5	.14	4.42								
U41	100												
U42	231	92.5	95	.15	.10								
U43	251	186	187	.36	6.86								
U44	220												
U45	86												
U46	127												
U47	134	70.8	73	.06	5.40								
U48	252												
U49	177												
U50	78												
U51	111	48.5	49.5	.16	4.92								
U52	174	14.5	15	.005	396								
U53	159	21.5	22.5	.005	2.60	115.4	116.8	1.00	11.06				
U54	133	108	110.4	.04	2.78	110.4	112	2.16	251.6				
U55	169	100.5	103.3	2.16	1.86	134.5	137	.40	1.76	137	138	.01	16.29
U56	124												
U57	146	121.5	123.2	.62	4.28	123.2	124.4	.70	1.42				
U58	166												
U59	160	81.5	82.5	.06	2.48	95.4	96.4	.10	.34	131	132	.36	.82
U60	176	142.5	143.5	Tr	2.10								
U61	177												
U62	71												
U63	171												
U64	126	8.8	10.8	.01	6.47	90	92.8	.28	13.4				

Hole No.	Length	ASSAYS											
		From	To	Au	Ag	From	To	Au	Ag	From	To	Au	Ag
U65	180												
U66	180	106.6	107.8	.36	.56								
U67	235	105.4	106.8	.005	4.66	114.3	115.2	.005	3.80	144.9	146.2	.48	5.76
U68	168	143.5	144.8	.52	16.42	156.8	159	.36	2.30				
U69	148	74.5	76	.18	1.56	122	123	.005	3.24	123	126.5	.16	12.64
U70	201												
U71	215												
U72	200	163	164	.96	2.32								
U73	217												
U74	175												
U75	136	33	35.5	.01	2.11	125.4	128	.24	23.1	128	130.7	.01	4.49
		130.7	132.5	.62	9.84								
U76	168												
U77	212	49	50.5	.06	11.42	178.9	180.9	.26	2.86				
U78	146	119.8	120.5	.18	2.06								
U79	212												
U80	207	164	175	.01	3.25								
U81	158	115	116.2	1.44	49.7								
U82	80	20	22	.04	2.06	24	25.4	1.96	78.4	27	28.8	.72	6.08
		35.5	36.5	.01	3.85								
U83	105	20	23.5	.56	12.3	25.6	29	.26	2.80				
U84	36	23	24.5	1.00	23.4								
U85	118	22.8	24.1	.54	10.1	24.1	26.4	.44	3.44				
U86	185												
U87	30												
U88	100	4.8	6.3	.12	.24								
U89	139	40.5	42.7	.10	2.47								
U90	130	41.6	43.1	1.24	105.5								
U91	112	28	29	.005	3.50	32.2	34	.01	2.37	92.9	97.2	.01	2.13
U92	160	48	49	.16	3.64								
U93	65												
U94	76												
U95	53	32	34	1.86	114.6	36	38.3	.06	4.70				
U96	152	75	76	.16	5.42	136	137.3	.01	2.95				
U97	199	99.4	101.9	2.10	21.3								
U98	162	68.2	70	.30	58.4	79	82.5	.26	30.4	82.5	87.3	.10	6.46
		87.3	88.8	.28	12.8								
U99	175	24	25	.01	3.17	42.4	45	.005	4.34	45	50.3	.01	2.47
		50.3	53	.16	3.88	53	54.8	.10	2.64	76.2	83.9	.10	8.28
		83.9	87.7	1.20	7.92	87.7	88.7	1.80	10.6				
U100	161	55.6	59	.14	4.32	94.3	97.6	.32	4.79	99.1	101.5	.06	6.36



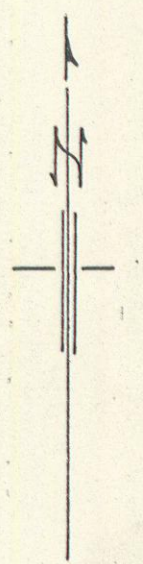


DOLMAGE-CAMPBELL & ASSOCIATES		CONSULTANTS
VANCOUVER, CANADA		
ARCTIC MINING & EXPLORATIONS LTD.		
VANCOUVER, CANADA		
PROPERTY LOCATION		
SCALE: 1 inch = 1/2 mile	Nov. 1 1966	FIG. 1



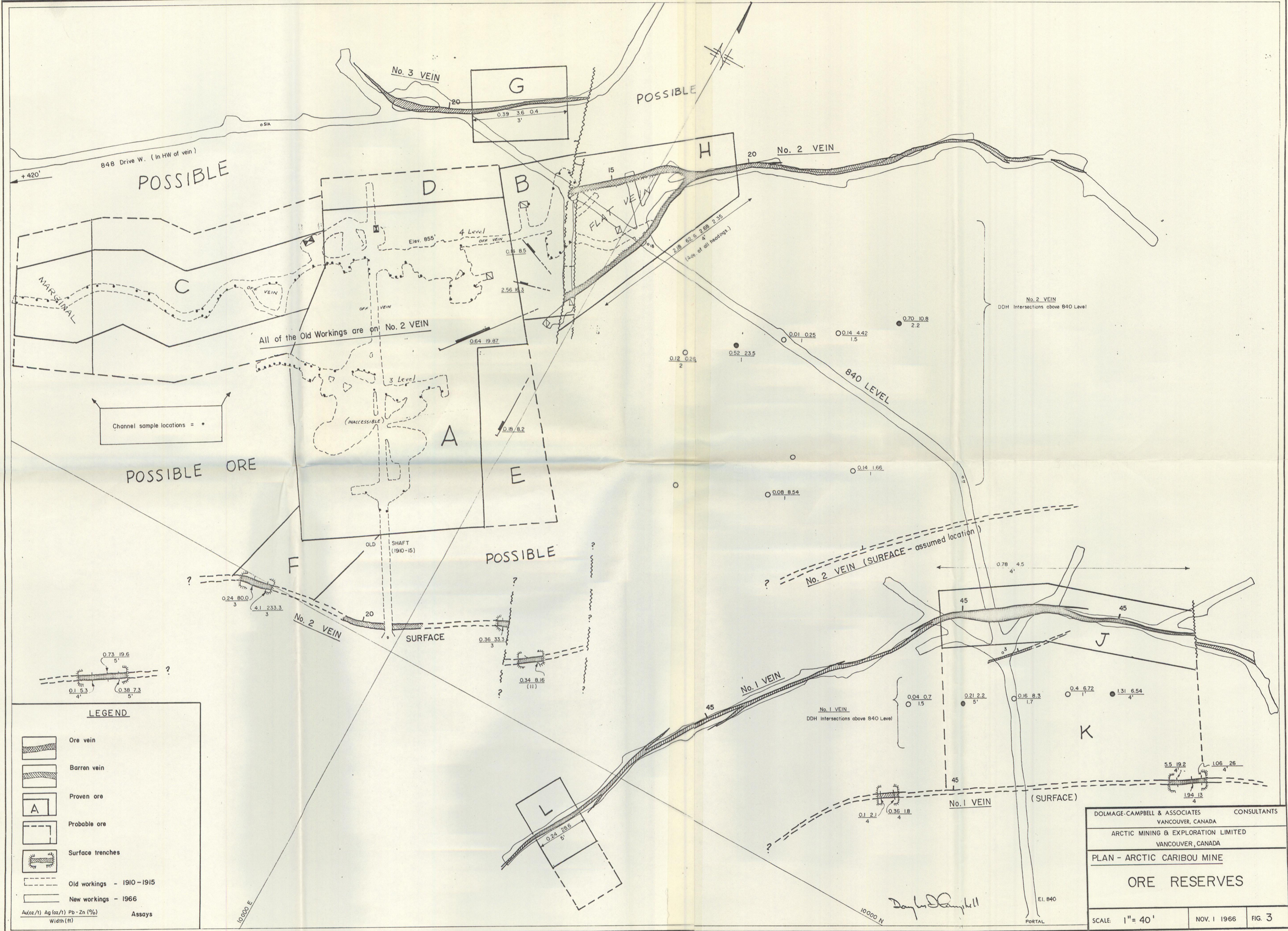
**LEGEND**

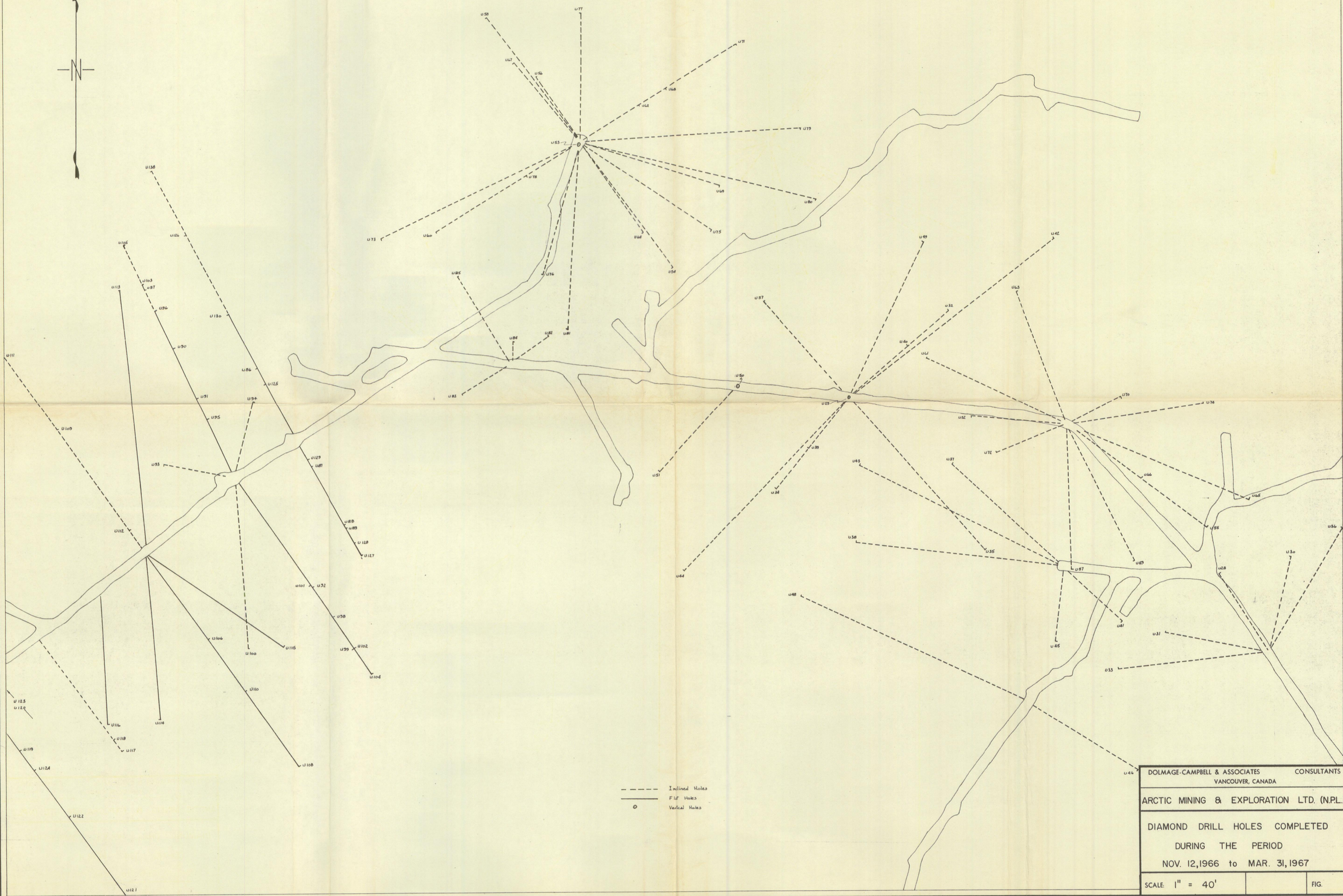
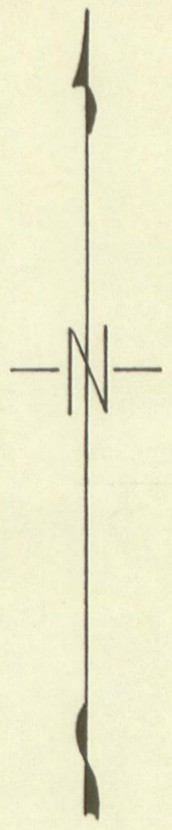
- PROPOSED DRILL HOLES IN NO. 2 VEIN
- PROPOSED DRILL HOLES IN NO. 1 VEIN
- ..... PROPOSED DEVELOPMENT
- EXISTING NEW WORKINGS
- - - - OLD WORKINGS



DOLMAGE-CAMPBELL & ASSOCIATES		CONSULTANTS
VANCOUVER, CANADA		
ARCTIC MINING & EXPLORATION LIMITED		
VANCOUVER, CANADA		
ARCTIC CARIBOU MINE	CARCROSS Y.T.	
<b>DEVELOPMENT PROGRAM</b>		
FROM JULY 1, 1966		

*Douglas Campbell*





--- Inclined Holes  
— Flit Holes  
○ Vertical Holes

DOLMAGE-CAMPBELL & ASSOCIATES CONSULTANTS  
VANCOUVER, CANADA  
ARCTIC MINING & EXPLORATION LTD. (N.P.L.)  
DIAMOND DRILL HOLES COMPLETED  
DURING THE PERIOD  
NOV. 12, 1966 to MAR. 31, 1967  
SCALE 1" = 40' FIG.