EQUINOX OPERATIONS GROUP

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REPORT ON THE 1990 DIAMOND DRILLING ACTIVITY ON THE NINA PROPERTY

(Record No.'s 7969, 7970, 8976, 8089-8092, 8727)

OMINECA MD, B.C. Latitude 55° 58'N Longitude 124° 47'W NTS 93N/15W GEOLO

GEOLOGICAL BRANCH ASSESSMENT REPORT

Equinox Resources Ltd. Daren Resources Ltd. Mark E. Baknes, M.Sc.

DATE OF WORK: Sept. 29 - Oct. 7, 1990

DATE OF REPORT: Oct. 26, 1990

OWNERS:

AUTHOR:

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1 SUMMARY AND RECOMMENDATIONS

During the period September 29, 1990 to October 7, 1990 692 m (2270') of BQ wire line drilling was completed on the Nina property. The best surface showings were tested in three separate areas, those being the West Vernon, Biddy and East Vernon zones.

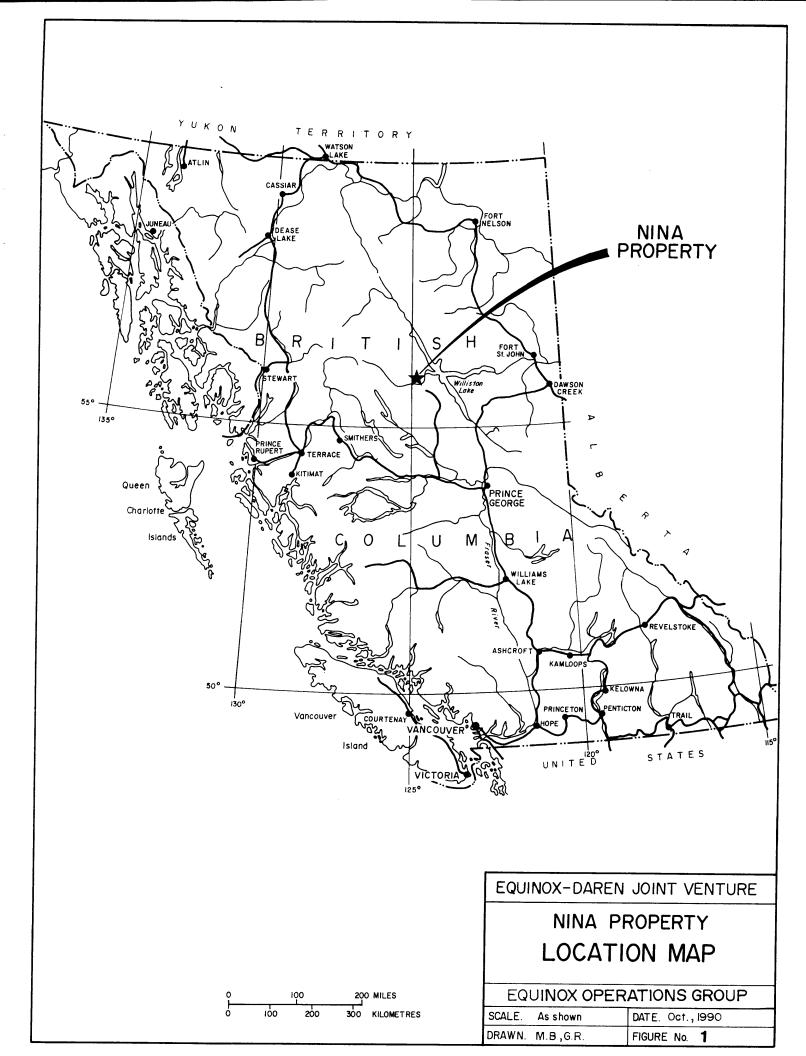
Drilling was aimed at intersecting down dip extensions to sphalerite and lesser galena mineralization originally uncovered by Cominco trenches and subsequently sampled by Equinox in 1986. The Equinox results showed that sphalerite mineralization contained very high concentrations of germanium (Ge) and that the recovery of Ge had potential to double the value of zinc mineralization.

Mineralized zones were intersected in several holes although in most cases intersections were less than 2 m thick. The intersections found in drilling were essentially similar to results found on surface, which were poddy and erratically distributed.

The most encouraging results were from the East Vernon area where two closely spaced holes intersected approximately 4 m of 5% Zn. Indications are that the East Vernon mineralization may be part of a more extensive zone that appears to strike discontinuously for approximately 150 m. Results from the Biddy area also indicate a narrow zone of mineralization striking over 200 m, however intersections in this zone were narrower and of lower grade. Drilling established that mineralization is generally hosted in brecciated dolostones and in several instances these zones may be conformable to bedding.

Before further work is done on the Nina property a reassessment of the germanium potential should be considered. At present the price of germanium is near \$370/kg as compared to \$1060 (U.S.)/kg in 1986 when Ge was considered an important commodity with respect to the Nina property.

The 1990 drill intersections of most interest were in holes 90-13 and 14 in the East Vernon area and 90-6,8,10 and 11 in the Biddy area. The objective in a second stage drilling program should be to follow up on these encouraging intersections, both down-dip and along strike.



2 INTRODUCTION, LOCATION, CLAIMS, HISTORY

2.1 <u>Introduction</u>

The NINA property is comprised of seven claims and one claim fraction totalling 73 units owned by Equinox Resources Ltd and Daren Resources Ltd. It is being explored by a joint venture between Equinox and Daren. The drilling program described in this report was carried out during the period September 29 to October 7 1990. The drilling was supervised by the author, assistance was provided by Dennis Jones.

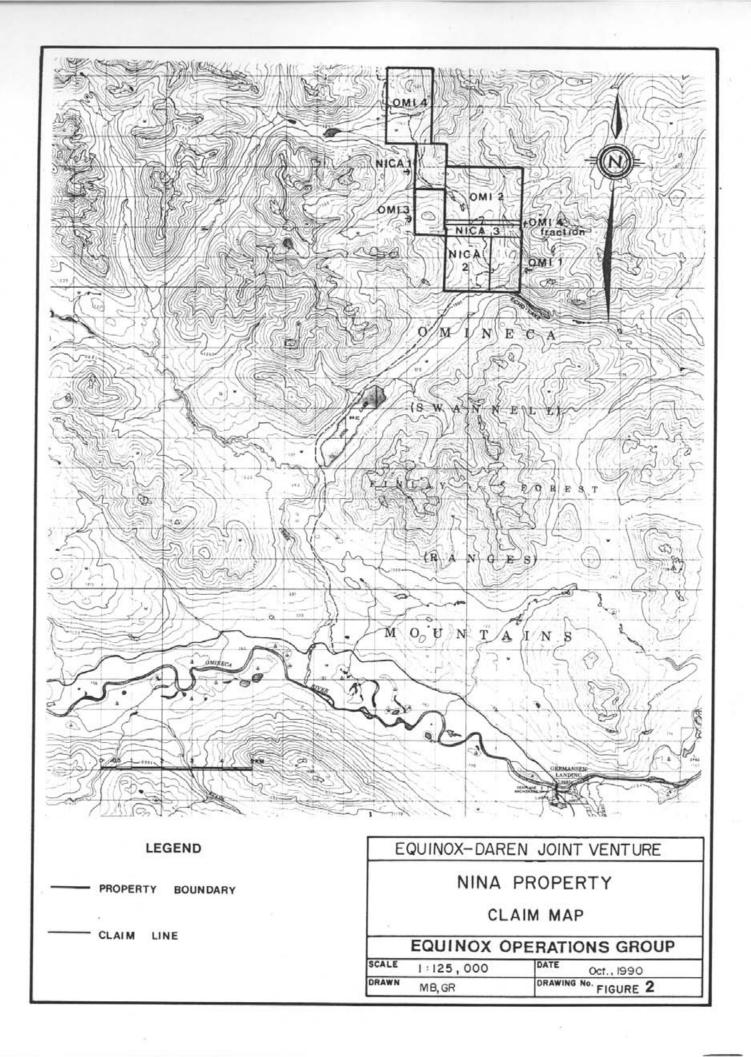
2.2 Location and Access

The NINA property is located 20 km northwest of Germansen Landing in north-central British Columbia. The nearest town is MacKenzie, approximately 140 km to the southeast. The property is accessed via a 16 km four wheel drive road that leaves the Omineca mining road 10 km west beyond Germansen Landing. It lies within the western half of NTS map sheet 93N/15 at latitude 55° 58' north, longitude 124° 47' west.

2.3 Claim Description

The property is forested, with moderately steep topography and elevations ranging from 900 to 1500 metres. It is comprised of a grouping of seven claims and one claim fraction as follows:

TABLE 1								
CLAIM NAME	NO.OF UNITS	RECORD NUMBER	EXPIRY DATE					
Nica 1	6	7969	Oct.7/94					
Nica 2	12	7970	Oct.7/94					
Nica 3	5	8976	Sept.15/95					
Omi 1	8	8089	Dec.18/95					
Omi 2	20	8090	Dec.19/95					
Omi 3	6	8727	Aug.28/95					
Omi 4	15	8091	Dec.19/95					
Omi 4 Fr.	1	8092	Dec.19/95					



2.4 <u>History</u>

Exploration in the Omineca Limestone Belt began in the 1920's. Many showings have since been found and most have been sporadically worked to the present. Much of the work prior to the early 1950's consisted of prospecting and hydraulic trenching. Although various claims were held in the vicinity of the property, no significant work was carried out until 1973 when large ground positions were acquired by Cominco, Canexplacer, Imperial Oil and others. This activity was initiated by the Geological Survey of Canada (Monger and Paterson, 1974) following a remapping of the region. The G.S.C. work showed that mineralized carbonates located in the vicinity of Nina Lake were Middle Devonian in age rather than Permian or Cambrian (Cache Creek Group) as previously thought, and thus a more favourable host rock. With a view to developing low grade, large tonnage open pit ore, a concentrated exploration effort was undertaken by the major mining companies.

Work on the Nina property area by Cominco Ltd. included extensive geochemical sampling and geological mapping, followed by road access construction and trenching. Additional trenching was carried out in 1976 to better expose known showings and to determine the extent and grade of mineralization.

The trenching program uncovered several mineralized zones, however, many of these trenches were backfilled to satisfy reclamation requirements. The Jemina showings, exposed by hand trenching were not covered by Cominco claims and thus were never exposed in the 1973-74 trenching program. Declining zinc prices and the discontinuous nature of the mineralization were the likely causes in Cominco's allowing the claims to lapse.

Renewed interest was shown in the property in 1986 as the result of the discovery that unusually high germanium concentrations were associated with the sphalerite mineralization. The limited success of soil geochemistry and geophysics as methods for discovering new and evaluating known showings led to the recommendation that a drilling program constitute the next stage in the exploration program.

3 <u>GEOLOGY</u>

The Nina property lies within the centre of the "Omineca Limestone Belt", which is a package of sediments 12 km wide and 175 km long that extends from Johansen Lake in the north to Manson lake in the south. The package is bounded on the east by the Proterozoic, Wolverine metamorphic complex and on the west by Triassic volcanics.

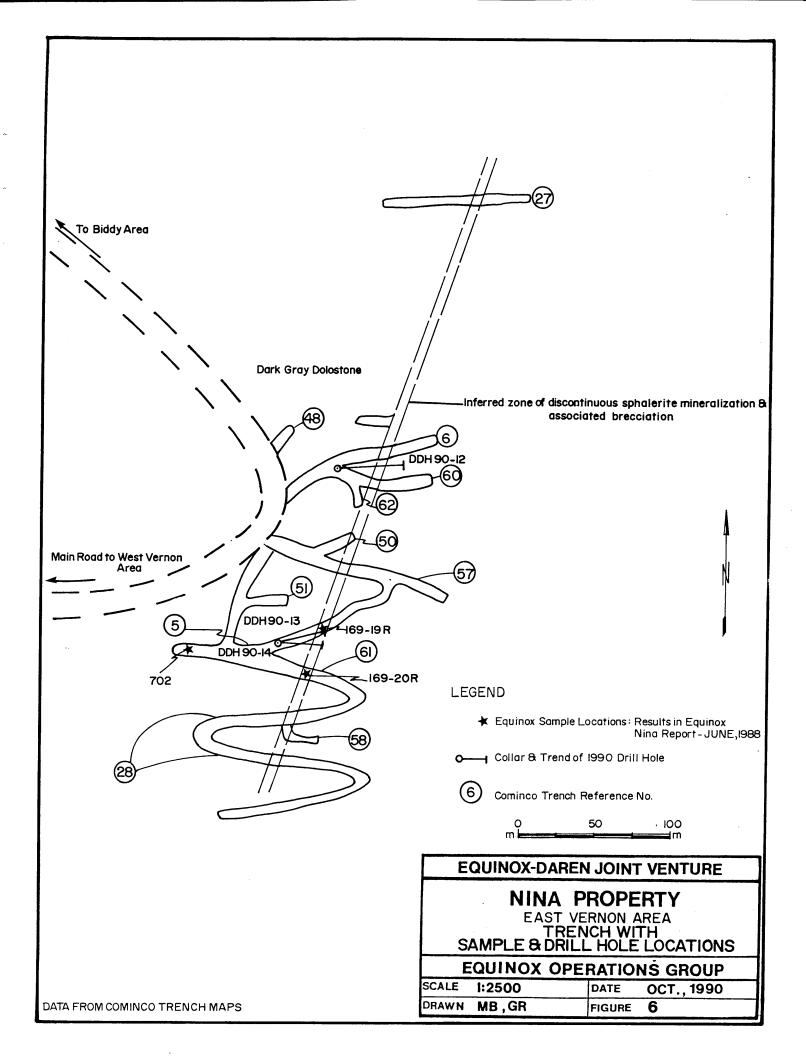
The general geology, including major lithologic contacts and structural features, is shown on figure 3. The strata in Nina property area forms a general homoclinal succession, interrupted by open folds and faulting, that dips westward from the high grade metamorphic axis of the Wolverine complex.

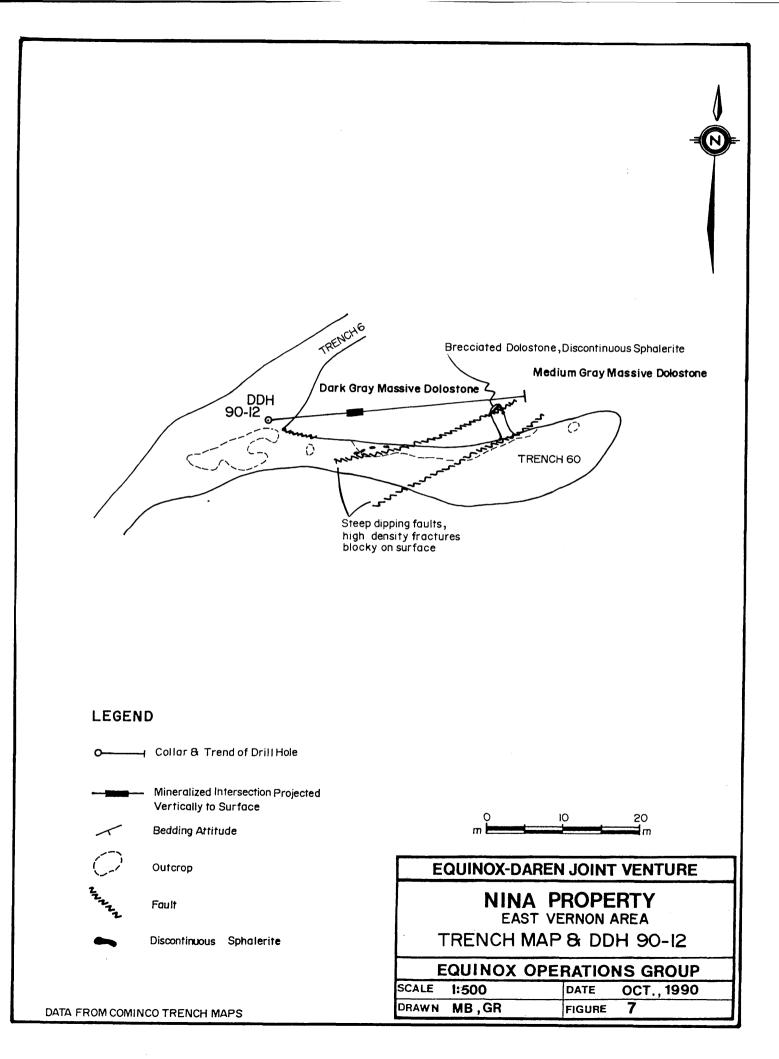
Mineralization on the property occurs within the Middle Devonian Dolostones in a narrow (50 - 70 m) stratigraphic interval just below the unconformable contact with Pennsylvanian argillites and slates. Mineralized zones within this interval are typically associated with secondary porosity, in the form of breccias and perhaps with primary porosity provided by especially arenaceous units. Within a mineralized zone associated with brecciation sphalerite, and rarely galena and pyrite, partly or wholly replace breccia fragments while the dolomite matrix is virtually unmineralized. Generally, a small fraction of the breccia fragments are mineralized and only when the greater proportion of fragmental material is mineralized, do high grades result. Adjacent to well mineralized zones sphalerite may be finely disseminated typically constituting less than 1% sphalerite. Within mineralized zones the mineralization is poddy and discontinuous in terms of strike continuation and Perhaps the best indications of a significant width. strike length of mineralization are found in the Biddy and East Vernon areas where north-south trending breccia zones containing poddy mineralization have been exposed over lengths in the order of 200 meters. The cause of these breccias is unclear, however Cominco data suggests that they may be "contraction breccias" associated with the dolomitization process and or related to faulting. The form and attitude of the breccias is not clear, but some small scale evidence and drill hole data suggest that those breccias not associated with faulting may be bedding parallel or stratabound.

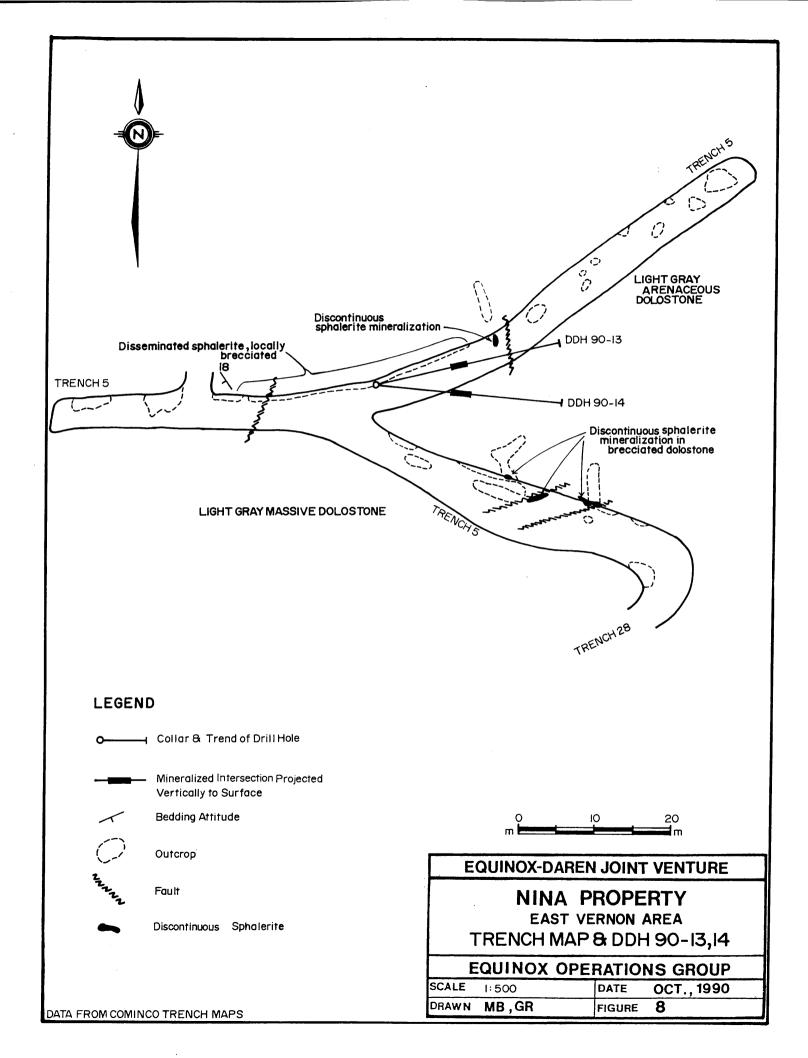
4 DIAMOND DRILLING

The intent of the drilling program was to determine if the surface mineralization continued down dip and if the mineralization was more continuous than that exposed on surface. It was also hoped that drilling might indicate what the mineralization controls were.

Drilling began on September 29 and continued through October 7, 1990. Drilling was carried out by Britton Brothers drilling of Smithers using a Longyear 38. In total 14 holes, at 9 different locations, totalling 692 m (2270'), of drilling was completed. Drill core is stored on site near Cominco's old camp. Cominco data suggested that mineralization might be stratabound and or controlled by fault structures. Holes were therefore generally inclined at 45° to intersect bedding at a high angle and trended at high angles, when possible, to both bedding strike and that of inferred structures. In several instances two holes, of differing trends, were drilled from the same site. The rational in this method was that surface mineralization is often extremely poddy and therefore the probability of missing one such pod in a single hole is relatively high. Drill hole locations and attitudes are shown on figures 3-8.







5 DRILLING RESULTS AND DISCUSSION

5.1 West Vernon Area

Drilling in the West Vernon area concentrated on mineralization associated with a significant east-west trending fault structure and on mineralization possibly associated with northeast trending faults.

Hole 90-1 and 90-2 were aimed at intersecting subsurface extensions of the significant surface sphalerite mineralization (refer to analyses in Equinox report June 1988) found on the "A showing". This zone was extensively trenched by Cominco and was tentatively interpreted as a steeply plunging breccia pipe within and associated with an east-west trending fault.

Hole 90-1 and 90-2 intersected minor sections of sphalerite mineralization, in the order of 1.2 m of 1.6% Zn, hosted in brecciated dolostones (table 2). These zones of brecciation are likely the down plunge extension of the surface mineralization, however these holes would indicate that mineralization is diminished compared to that on surface. In terms of breccia morphology the holes seem to affirm the concept of a steeply south dipping breccia body.

Hole 90-3, located to the west of 90-1 and 90-2, was aimed at intersecting minor mineralization and brecciation associated with the same east-west fault associated with the "A showing".

Two minor sections of less than 2% sphalerite were intersected in unbrecciated dolostones likely structurally above the surface extension of the eastwest fault (table 2). The possible unmineralized extension of the fault was intersected at a greater depth.

Holes 90-4 and 90-5 were meant to intersect possible fault (060/vertical) controlled mineralization uncovered in trench # 7. Neither hole intersected sphalerite or galena mineralization. Intersections at shallow depths of what was interpreted as syngenetic pyrite were found, but subsequent analyses indicate that the pyrite is not associated with any significant metal values.

5.2 <u>Biddy Area</u>

Holes 90-6 through 11 were drilled in the Biddy area to investigate a narrow, perhaps conformable or strataform, zone of mineralization associated with brecciated dolostones.

Holes 90-6 and 7, located west of the junction of trench # 45 and # 13, were aimed at intersecting extensions to moderately high grade mineralization sampled previously by Equinox (refer Equinox report June 1988). These holes are located at the most southern exposure of the apparent north-south trending mineralized breccia zone.

Hole 90-6, located to the west of trenches # 45 and 43, intersected approximately 1 m of 2% Zn at a shallow level while 90-7 apparently intersected the same zone, though less mineralized (table 2). Mineralization was hosted in brecciated dolostones which, if considered extensions of the surface showings, indicates that brecciation and mineralization are conformable to bedding. Deeper intersections of brecciation and minor mineralization create uncertainty as to wether mineralization is stratabound.

Hole 90-8 was positioned to try and intersect mineralization previously sampled by Equinox, opposite trench # 42, which is likely north along strike of the same breccia mineralization intersected and exposed on surface adjacent to 90-6 and 7. Among shorter sections, hole 90-8 intersected 1.8 m of 2.8% Zn, at a shallow level, within brecciated dolostones (table 2). These intersections and mineralization are similar to that in 90-6 and 7 and again suggest stratabound brecciation and mineralization.

Hole 90-9 was positioned farther north along strike to intersect breccia hosted mineralization previously sampled by Equinox adjacent to trench # 18. Hole 90-9 did intersect shallow brecciated sections, but none were significantly mineralized.

Hole 90-10 was fanned toward the north from the same site as 90-9 to try and intersect breccia hosted, and possibly fault (east-west) related lead, zinc mineralization. The trend of hole 90-10 is at a low angle to bedding and therefore the 1 m intersection of 2.7% Zn may represent an exaggerated width. The shallow depth of mineralization and brecciated host suggests this mineralization may be stratabound and continuous with the intersections in holes 90-6, 7 and Hole 90-11 the most northerly hole in the Biddy area, north of trench # 19, was positioned to intersect breccia hosted and perhaps fault (east-west) controlled Zn, Pb mineralization. Hole 90-11 intersected approximately 2 m of 1.3% Zn and 1% Pb at as greater depth than any other Biddy area holes. Mineralization was hosted in brecciated and highly arenaceous dolostones. The apparent geometry indicates steeply plunging mineralization perhaps related to east-west faults exposed on surface.

5.3 East Vernon Area

Holes 90-12, 13 and 14 were drilled in the East Vernon area to investigate sampled showings that appear to define a northerly trend of mineralization.

Hole 90-12 was positioned to intersect breccia hosted mineralization, exposed in trench # 60, considered by Cominco to be controlled by 085° trending faults. Three short sections of less than 1% Zn were intersected within moderately brecciated dolostones. The mineralized intersections did not appear to correspond to the fault exposed on surface and again the possibility of stratabound brecciation and mineralization is indicated.

Holes 90-13 and 14, collared in trench # 5, were positioned to intersect mineralization south along strike from 90-12. Both holes intersected mineralized sections: 3.8 m of 2.2% Zn and 4 m of 4.9% Zn in hole 90-14. Both of these closely spaced intersections were in brecciated dolostone and indicate a north-south strike and perhaps steeply dipping attitude of mineralization. Both the drill intersections and surface mineralization suggest a north-south semicontinuous zone of mineralization.

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TABLE 2: HIGHLIGHTS OF 1990 DRILL RESULTS

DDH 90-1

	Weighted Av	verages			
Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	20.97-22.2 OR	1.30	1.61	0.01	1.78
	21.66-22.2	0.61	2.73	0.01	3.34
	Individual	Samples			
44954	22.41-22.6 22.00-22.2 21.66-22.0	0.20 0.27 0.34	1.24 3.21 2.34	0.01 0.01 0.01	1.70 3.90 2.90

	Weighted Av	rages			
Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	30.02-31.1	1.11	1.65	0.01	1.99
	Individual	Samples			,
44959	22.36-22.5 30.02-30.5 30.57-31.1	0.23 0.55 0.56	3.17 2.22 1.10	0.01 0.01 0.01	3.39 2.80 1.20

DDH 90-3

Individual Sa	amples			
Sample Interval (m)	Width(m)	% Zn	% Pb	Ge ppm
44964 15.84-16.2 44965 19.93-20.6	0.39 0.76	1.86 1.69	0.01 1.56	0.50 0.30

	Weighted Aver	ages			:				
Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm				
	6.20-7.15 OR	0.95	2.00	0.01	0.98				
	6.20-6.87	0.67	2.69	0.01	1.30				
	Individual Samples								
44972	2 6.20-6.53	0.33	2.84	0.01	1.30				
44973	3 6.53-6.87	0.34	2.54	0.01	1.3				
44978	3 18.80-19.2	0.42	1.39	0.01	1.00				

DDH 90-6

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DDH 90-7

Individual	Samples	·		-
Sample Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
44986 30.29-30.5 44980 5.18-5.45 44984 9.25-9.88 44982 6.93-7.62 44985 20.00-21.1	0.24 0.27 0.63 0.69 1.15	1.49 2.41 1.08 1.08 2.66	0.01 0.01 0.01 0.01 0.01	2.00 1.30 1.00 0.90 2.00

DDH 90-8

	Weighted Av	verages			
Sample 1	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	9.12-10.00 OR	0.88	5.57	0.01	6.57
	9.12-10.92	1.80	2.82	0.01	3.41
	Individual	Samples			
44990	9.78-10.00	0.22	10.65	0.01	11.30
44988	9.12-9.35	0.23	7.08	0.01	10.20
44989	9.35-9.78	0.43	2.16	0.01	2.20
44993	13.05-13.5	0.51	1.41	0.01	1.60
44994	13.78-14.5	0.74	2.23	0.01	3.60

Weighted Av	erages			:
Sample Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
5.85-6.82 OR	0.97	2.69	0.01	3.46
5.85-6.46	0.61	3.90	0.01	5.15
9.18-9.43	0.82	0.87	0.01	0.77
Individual	Samples			
44103 9.18-9.43 45000 5.85-6.10 44101 6.10-6.46	0.25 0.25 0.36	1.71 5.44 2.83	0.01 0.01 0.01	1.40 8.40 2.90

DDH 90-10

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DDH 90-11

Weighted Av	erages			
Sample Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
23.20-25.1 OR	1.98	1.26	1.10	1.46
23.20-24.4	1.13	2.01	1.93	2.35
Individual	Samples			
44113 23.88-24.3	0.45	4.70	4.82	5.60

DDH 90-12

	Weighted Av	verages			
Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	16.00-18.5	2.56	1.27	0.01	1.69
	Individual	Samples			
44117	8 19.64-20.6 17.37-18.5 5 16.00-17.3	1.01 1.19 1.37	1.00 1.37 1.18	0.01 0.01 0.01	1.60 1.90 1.50

Weighted A	verages			:
Sample Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
14.33-18.1 OR	3.79	2.17	0.01	2.58
15.76-18.1	2.36	4.92	0.01	17.01
Individual	Samples			
44122 15.76-16.0	0.27	12.77	0.01	13.40
44125 17.50-18.1 44124 16.88-17.5	0.62 0.62	3.09 7.42	0.01 0.01	5.90 50.80
44123 16.03-16.8	0.85	1.95	0.01	1.60

DDH 90-13

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DDH 90-14

Weighted Av	erages			
Sample Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
13.75-17.7 18.05-19.0	4.00	4.91 0.52	0.01 0.01	4.33 0.37
Individual	Samples			
44126 13.75-14.4 44127 14.41-15.2 44128 15.28-17.7	0.66 0.87 2.47	5.55 4.87 4.75	0.01 0.01 0.01	6.80 6.50 2.90

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6 CONCLUSIONS AND RECOMMENDATIONS

6.1 <u>Conclusions</u>

Results from the West Vernon Area were generally discouraging. Attempts at intersecting significant mineralization beneath the "A showing" were not successful indicating that brecciated zones below surface were poorly mineralized.

Results from the Biddy Area suggest the existence of a semi-continuous zone, striking over 200 m, of stratabound, breccia hosted mineralization. Grades, however, are moderate and discontinuous, similar to those on surface. In general grades do not exceed 2-3% Zn over 2 m.

The East Vernon Area was only tested by 3 holes, two of which were fanned from the same collar location, but this area produced the most encouraging results. The best intersection averages 4 m of 4.9% Zn. The three holes suggest that mineralization is controlled by a north-south striking narrow breccia zone which dips westward more steeply than bedding.

6.2 <u>Recommendations</u>

The primary objective in a second stage drilling program would be to follow up on the most encouraging intersections found in the Biddy and East Vernon areas. Surface geology will have to be obtained from both the field and Cominco trench maps and incorporated with the 1990 drill data.

The 1990 drill intersections of most interest are 90-13 and 14 in the East Vernon area and 90-6,8,10 and 11 in the Biddy area. Drilling new holes from locations near 1990 locations would serve to intersect down-dip extensions to mineralization and also determine the true attitude and continuity of the mineralized zones.

The 1990 program did not test the potential of the Jemina showing and therefore it is recommended that these showings, described briefly in the Cominco data, be assessed.

6.3 Proposed Stage II Drill Program

The following is a recommended program that would expand on targets defined in the 1990 program. A phase II program would be of the same scale as phase I, and is thought sufficient to assess the potential of the property.

<u>STAGE II</u>

Diamond Drilling (BQ wireline) 10 - 12 holes totalling 700 m 700 m @ \$90/m (all inclusive)	\$63,000
Drill Collar Survey and Surface Geology Drill Hole Profiles	\$3,500
Supervision	\$10,000
Assays	\$5,000
Contingencies	\$8,000
Total Stage II Drilling	<u>\$89,500</u>

7 <u>STATEMENT OF COSTS</u>

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Field personnel wages

l geologist 1 field assistant	28 days @ \$225/day 11 days @ \$150/day	\$6300 \$1650
Food and Accommodat	ion	
Accommodation Food		\$300 \$400
<u>Transportation</u>		
Air fare Truck rental	20 days @ \$50/day	\$555 \$1000
Equipment and Suppl	ies	\$250
Laboratory Analyses	80 samples	\$1555
Diamond Drilling	2270 feet @ 26.10/foot	\$59,247
Report Preparation		
1 geologist Drafting	12 days @ \$225/day	\$2700 \$750
Subtotal		<u>\$74,706</u>
15%, office overhead	d and administration	\$11,206
Total		<u>\$85,912</u>

8. STATEMENT OF QUALIFICATIONS

- I, Mark E. Baknes, do hereby certify that:
- 1. I am a consulting geologist with offices at 620 -800 West Pender St., Vancouver, B.C., V6C 2V6.
- I am a graduate of the University of British Columbia, B.Sc. (1986) and of MacMaster University, M.Sc. (1990).
- 3. I have practised my profession as a geologist with several different mining and exploration companies since 1981.
- 4. The observations and opinions expressed in this report are based on my personnel examination of the subject property and on a review of available data and reports.
- 5. I have no interest, direct or indirect, in the property or in the securities of Equinox Resources Ltd. or Daren Resources Ltd.
- 6. I hereby consent to the publication of this report for the purposes of an assessment report or a statement of material facts or as required by securities regulatory agencies.

Dated at Vancouver, British Columbia, this 26 day of October, 1990.

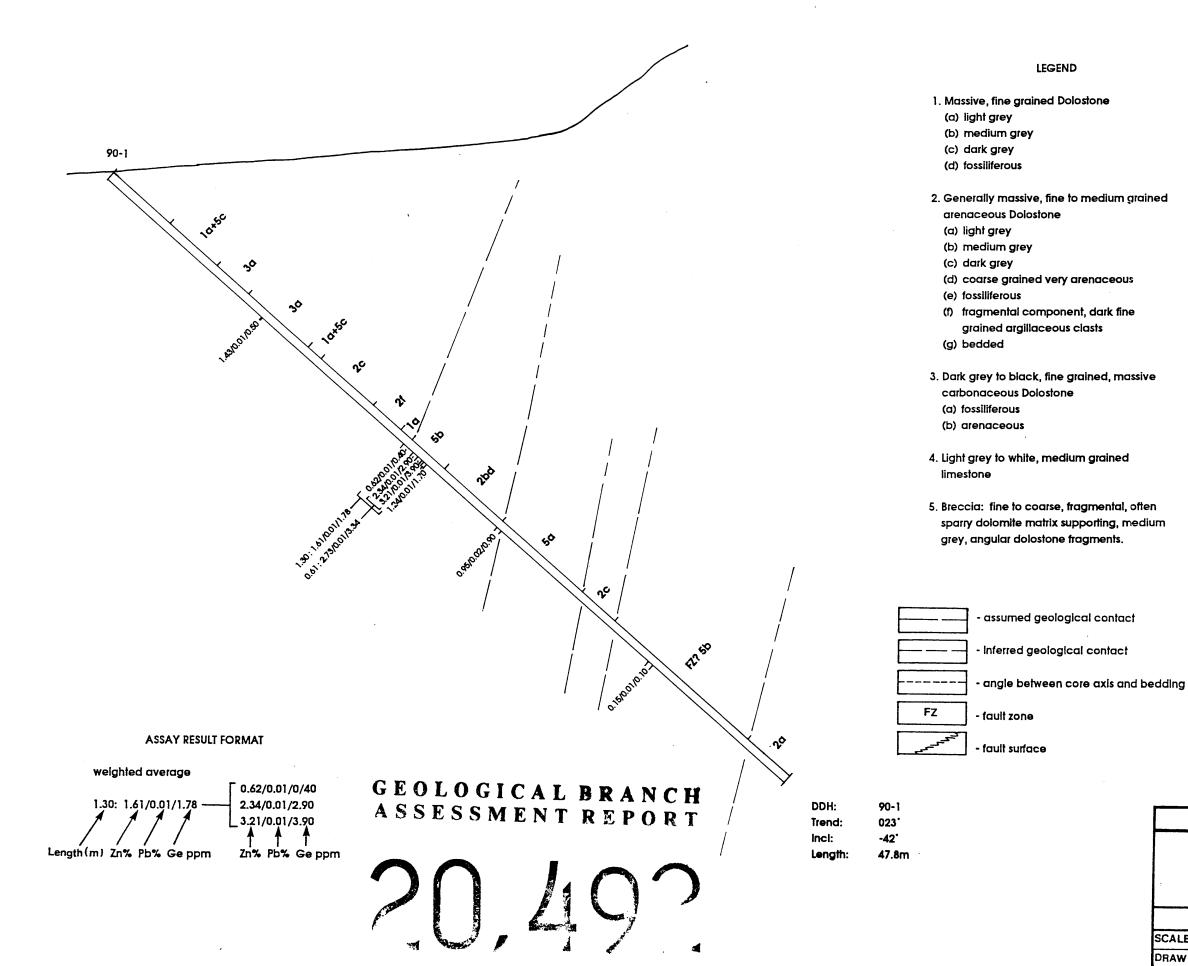
al E Bakney

Mark E. Baknes

APPENDIX I

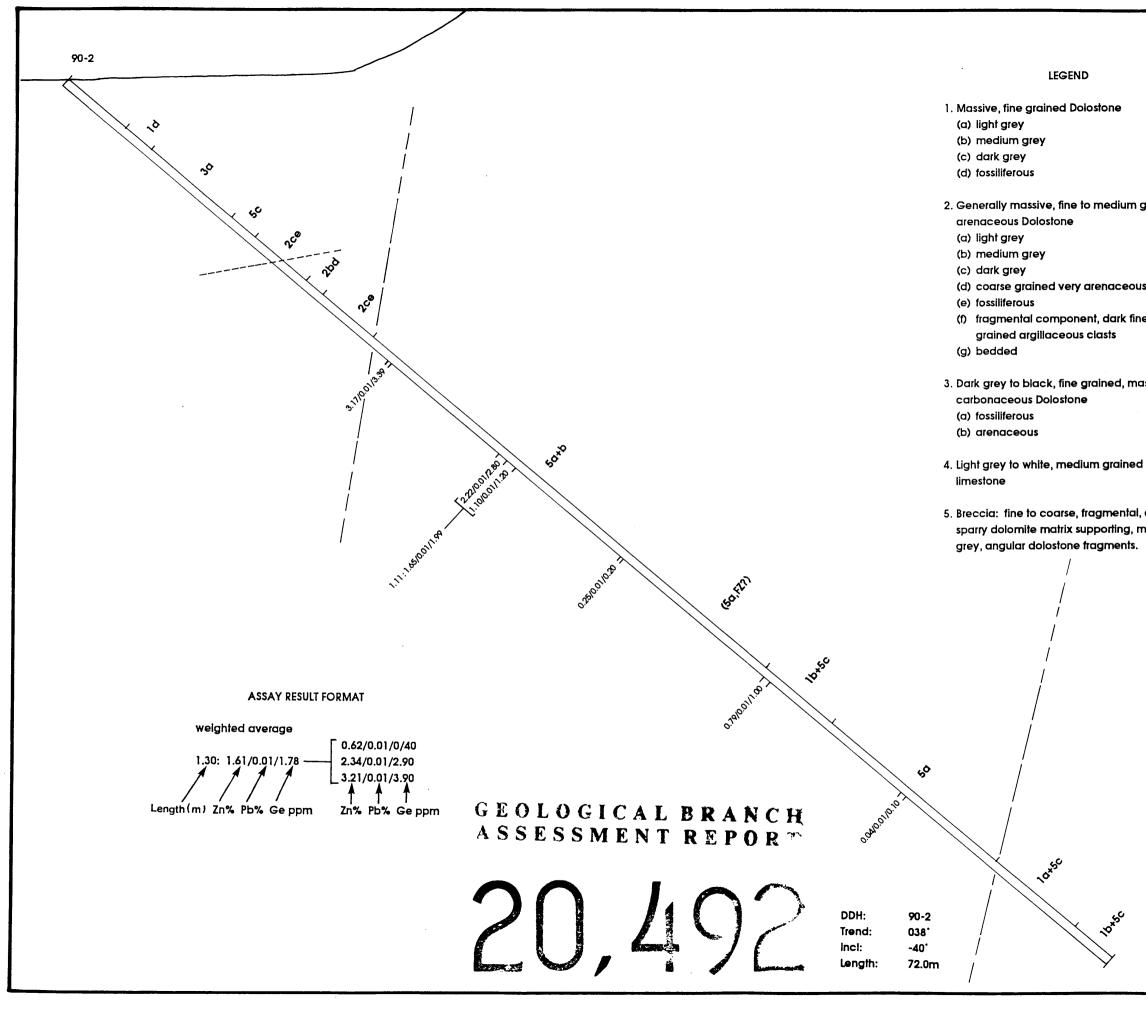
Diamond Drill Hole Cross Sections

.

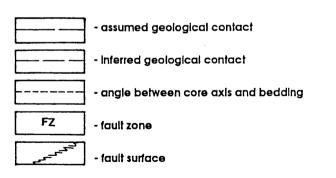


	Fragr	nents and matrix often indistinct having
•	diffus	e margins.
	(a)	Well brecciated; >20-30% matrix,
	fra	gmentation of host extensive.
	(b)	Moderately well brecciated; <20% matrix, fragmentation moderately extensive and often not pervasive.
ium grained	(c)	Weakly brecciated; only minor
•		fragmentation, little indication of
		fragment rotation, essentially fractured
		host/incipient breccia. Matrix often both dolomite and carbonaceous material.
eous		
	sph:	Sphalerite mineralization, typically occurs
k fine		as disseminated fine grains. When in
		higher concentrations often replaces
		breccia fragments or occurs as matrix
		component in arenaceous sections.
, massive		
	gai:	Galena mineralization, typically as
		coarse crystals filling fractures
		in association with sparry dolomite, more
		rarely associated with sphalerite.
ined		
	py:	Pyrite mineralization, typically as fine
		grained whispy lenses, rarely as
ntal, often		laminated narrow beds. In this
ig, m edium		occurrence likely represents syngenetic
nts.		sulphide. Also in similar mode of
		occurrence as sphalerite.

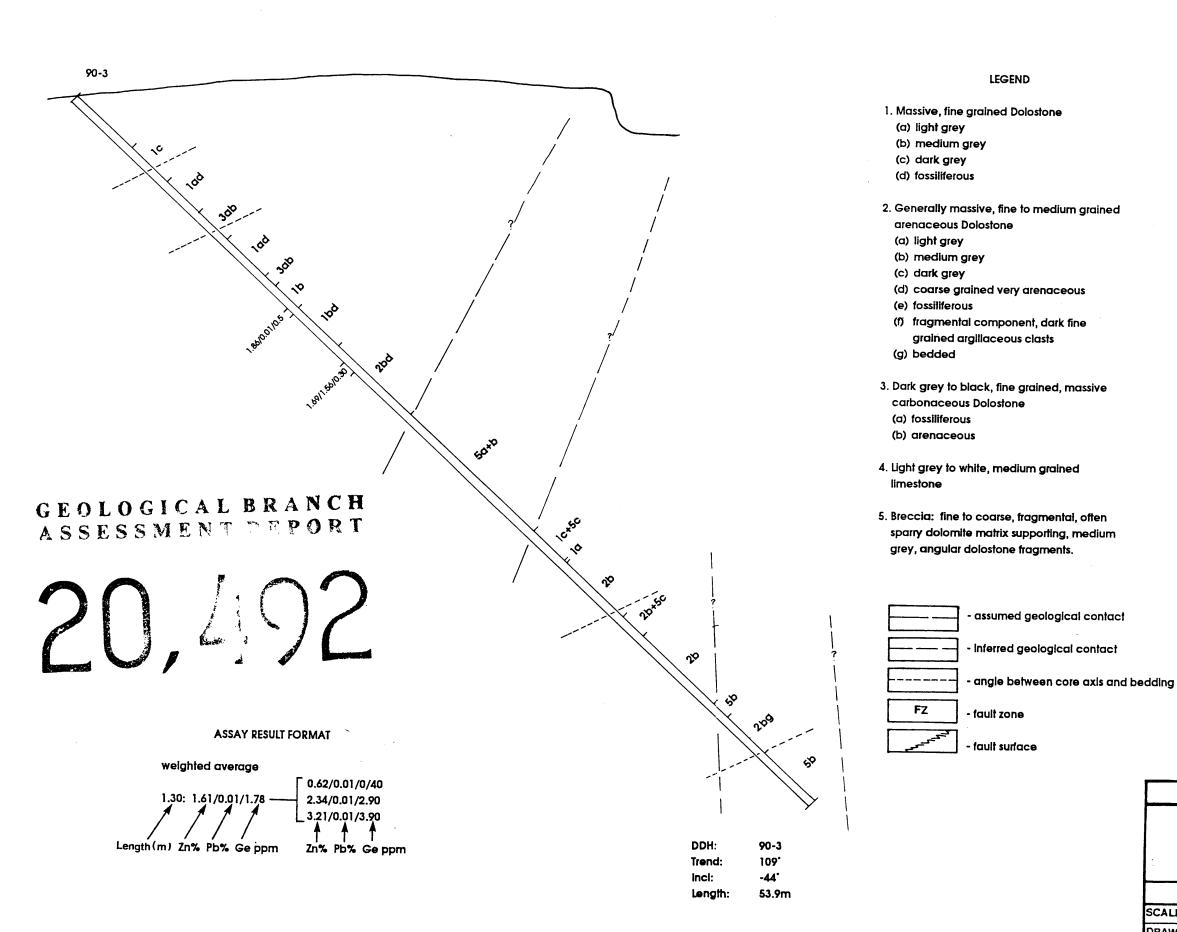
E	EQUINOX-DAREN JOINT VENTURE				
NINA PROPERTY					
	WEST VERNON AREA				
;	DDH 90-1				
EQUINOX OPERATIONS GROUP					
SCALE	1:200	DATE	OCT., 1990		
DRAWN	MB,GR	FIGURE	9		



	diffuse (a) frag	nents and matrix often indistinct having e margins. Well brecciated; >20-30% matrix, gmentation of host extensive. Moderately well brecciated; <20% matrix,
		fragmentation moderately extensive and often not pervasive.
n grained	(c)	Weakly brecciated; only minor fragmentation, little indication of fragment rotation, essentially fractured host/incipient breccia. Matrix often both dolomite and carbonaceous material.
ous		
-	sph:	Sphalerite mineralization, typically occurs
fine		as disseminated fine grains. When in higher concentrations often replaces breccia fragments or occurs as matrix component in arenaceous sections.
massive		
	gal:	Galena mineralization, typically as coarse crystals filling fractures in association with sparry dolomite, more rarely associated with sphalerite.
ed		
	py:	Pyrite mineralization, typically as fine grained whispy lenses, rarely as
al, often 1, medium 1s.		laminated narrow beds. In this occurrence likely represents syngenetic sulphide. Also in similar mode of occurrence as sphalerite.

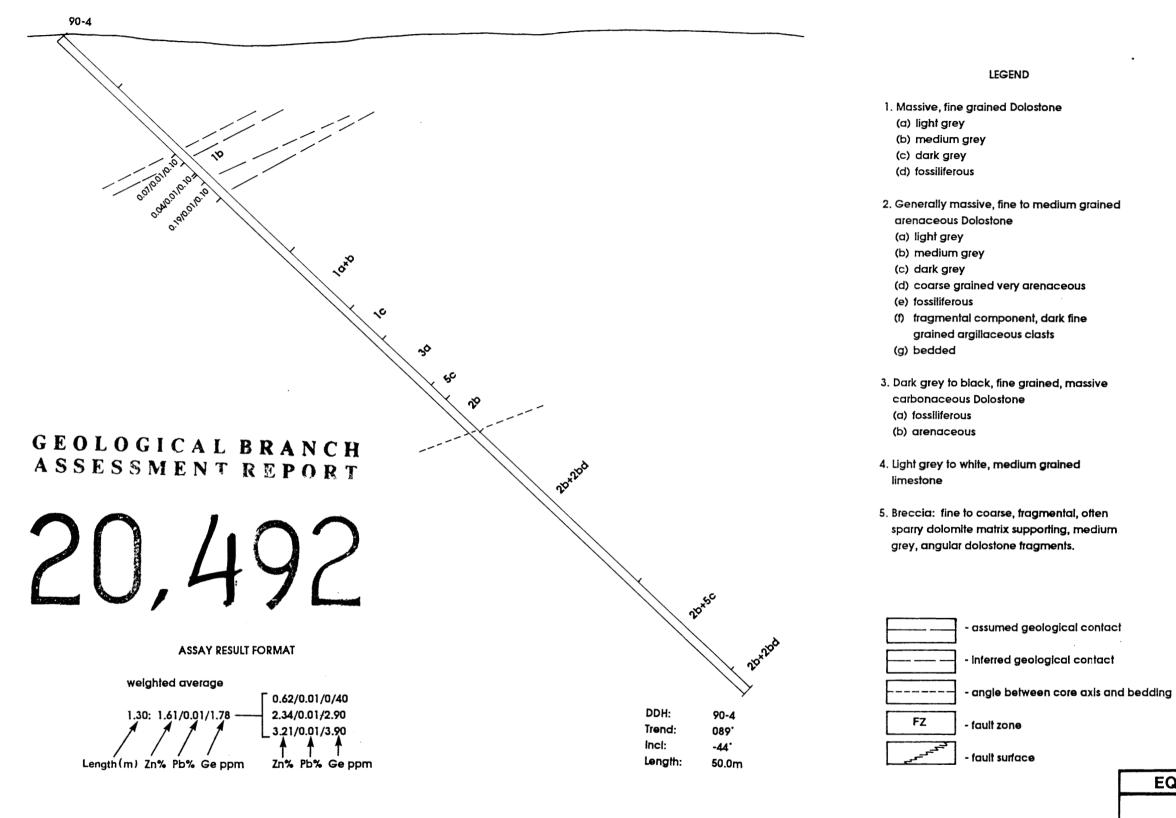


E	EQUINOX-DAREN JOINT VENTURE		
NINA PROPERTY WEST VERNON AREA DDH 90-2			
E	EQUINOX OPERATIONS GROUP		
SCALE	1:200	DATE	OCT., 1990
DRAWN	MB,GR	FIGURE	10



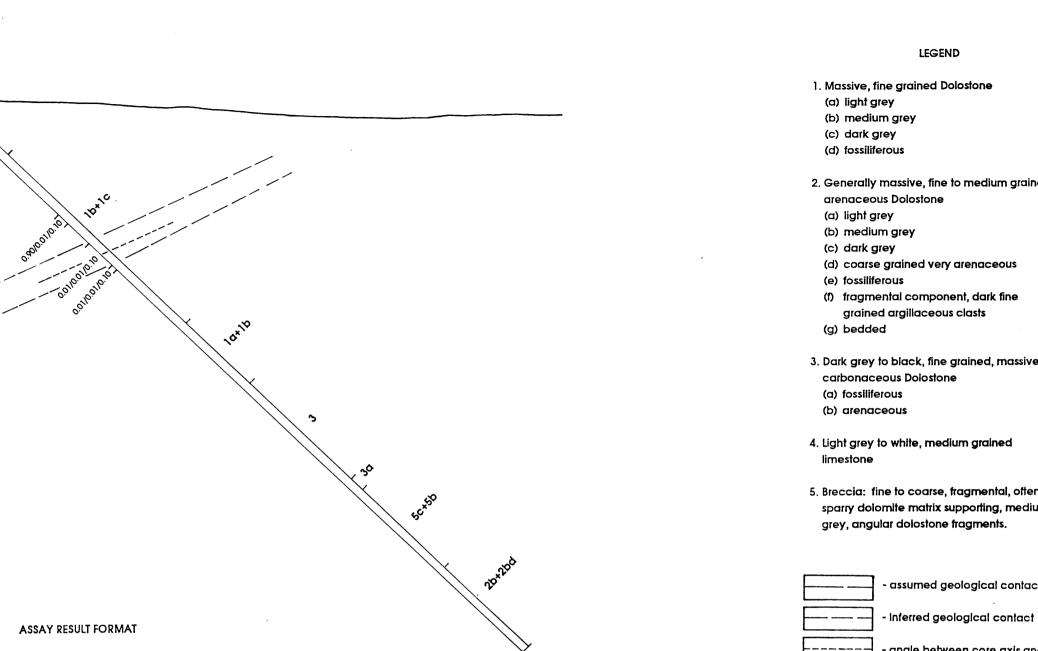
	,
	Fragments and matrix often indistinct having diffuse margins.
	(a) Well brecclated; >20-30% matrix,
	fragmentation of host extensive.
	(b) Moderately well brecciated; <20% matrix,
	fragmentation moderately extensive and
	often not pervasive.
ned	(c) Weakly brecciated; only minor
	fragmentation, little indication of
	fragment rotation, essentially fractured
	host/incipient breccia. Matrix often both
	dolomite and carbonaceous material.
	sph: Sphalerite mineralization, typically occurs
	as disseminated fine grains. When in
	higher concentrations often replaces
	breccia fragments or occurs as matrix
	component in arenaceous sections.
Ð	
	gal: Galena mineralization, typically as
	coarse crystals filling tractures
	in association with sparry dolomite, more
	rarely associated with sphalerite.
	py: Pyrite mineralization, typically as fine
	grained whispy lenses, rarely as
n	laminated narrow beds. In this
im	occurrence likely represents syngenetic
	sulphide. Also in similar mode of
	occurrence as sphalerite.
tact	

E	EQUINOX-DAREN JOINT VENTURE		
	NINA PROPERTY		
	WEST VERNON AREA		
•	DDH 90-3		
E	EQUINOX OPERATIONS GROUP		
SCALE	1:200	DATE	OCT., 1990
DRAWN	MB,GR	FIGURE	11



	-	ments and matrix often indistinct having
		se margins.
	(a) Well brecciated; >20-30% matrix,
	fra	igmentation of host extensive.
	(b)) Moderately well brecciated; <20% matrix,
		fragmentation moderately extensive and often not pervasive.
	1-1	•
m grained	(C)	Weakly brecciated; only minor
		fragmentation, little indication of
		fragment rotation, essentially fractured
		host/incipient breccia. Matrix often both
		dolomite and carbonaceous material.
ous		
	sph:	Sphalerite mineralization, typically occurs
fine		as disseminated fine grains. When in
		higher concentrations often replaces
		breccia fragments or occurs as matrix
		component in arenaceous sections.
		component in drendceous sections.
massive		
	gai:	Galena mineralization, typically as
		coarse crystals filling fractures
		in association with sparry dolomite, more
		rarely associated with sphalerite.
ed		
	py:	Pyrite mineralization, typically as fine
		grained whispy lenses, rarely as
al, often		laminated narrow beds. In this
, medium		occurrence likely represents syngenetic
s.		sulphide. Also in similar mode of
э.		•
		occurrence as sphalerite.

EQ	EQUINOX-DAREN JOINT VENTURE		
NINA PROPERTY			
	WEST VERNON AREA		
	DDH 90-4		
E	EQUINOX OPERATIONS GROUP		
SCALE	1:200	DATE	OCT., 1990
DRAWN	MB,GR	FIGURE	12



DDH:

Trend:

Length:

inci:

90-5

099.

-44`

41.8m

weighted average

90-5

0.62/0.01/0/40 2.34/0.01/2.90 1.30: 1.61/0.01/1.78 3.21/0.01/3.90

Zn% Pb% Ge ppm Length (m) Zn% Pb% Ge ppm

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,492

	-	nents and matrix often indistinct having e margins.
	(a)	Well brecciated; >20-30% matrix,
	fra	gmentation of host extensive.
	(b)	Moderately well brecciated; <20% matrix,
		fragmentation moderately extensive and often not pervasive.
m grained	(c)	Weakly brecciated; only minor
	1-7	fragmentation, little indication of
		fragment rotation, essentially fractured
		host/incipient breccia. Matrix often both
		dolomite and carbonaceous material.
ous		
Ous	sph:	Sphalerite mineralization, typically occurs
fine	spn.	as disseminated fine grains. When in
IIIie		higher concentrations often replaces
		breccia fragments or occurs as matrix
		component in arenaceous sections.
h		component in diendceous sections.
massive		Onlong minoralization typically as
	gal:	Galena mineralization, typically as
		coarse crystals filling fractures
		in association with sparry dolomite, more
		rarely associated with sphalerite.
ed		• Here to the transfer of the second se
	py:	Pyrite mineralization, typically as fine
		grained whispy lenses, rarely as
al, often		laminated narrow beds. In this
, medium		occurrence likely represents syngenetic
S.		sulphide. Also in similar mode of
		occurrence as sphalerite.
contact		

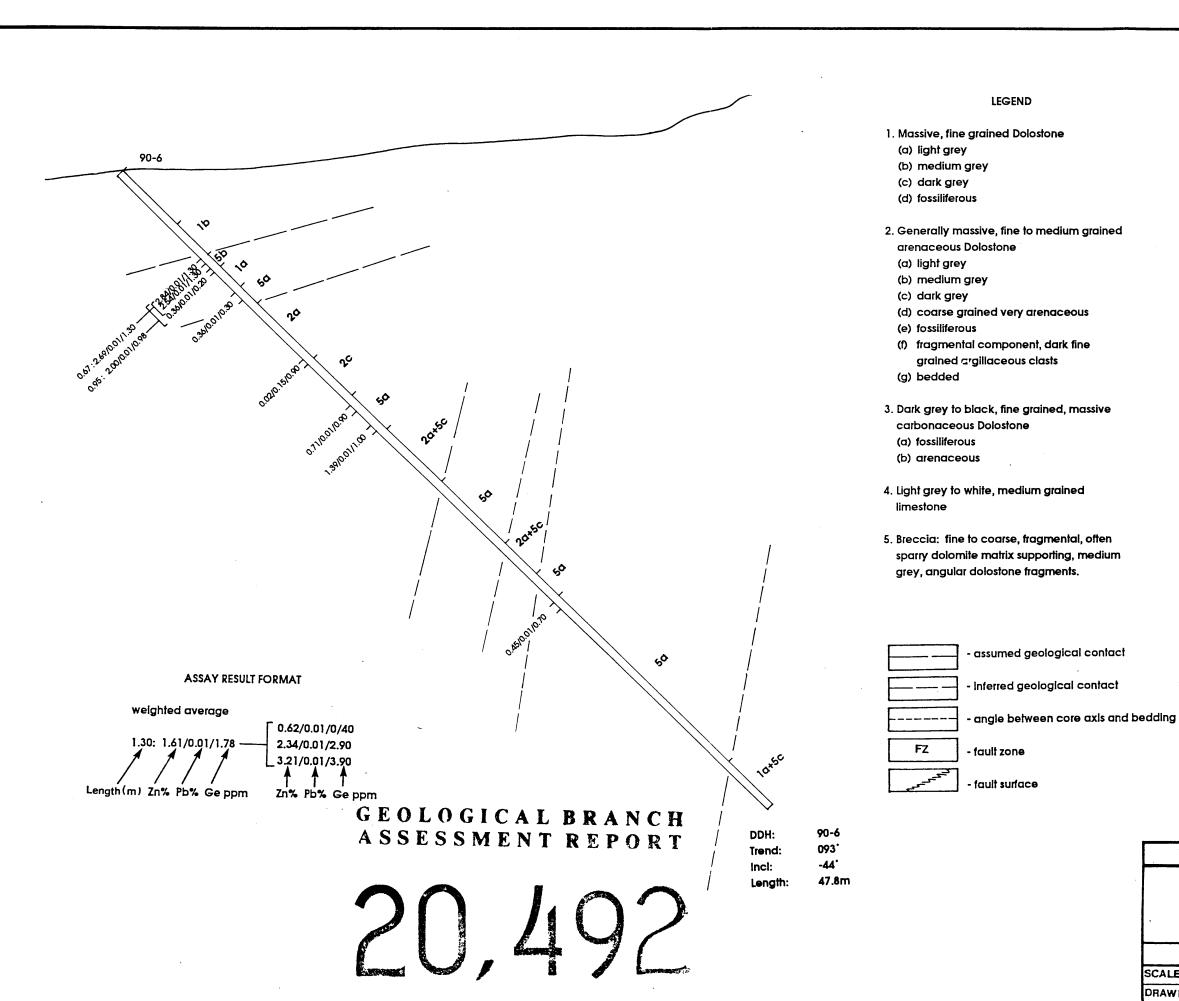
FZ

- fault zone

- fault surface

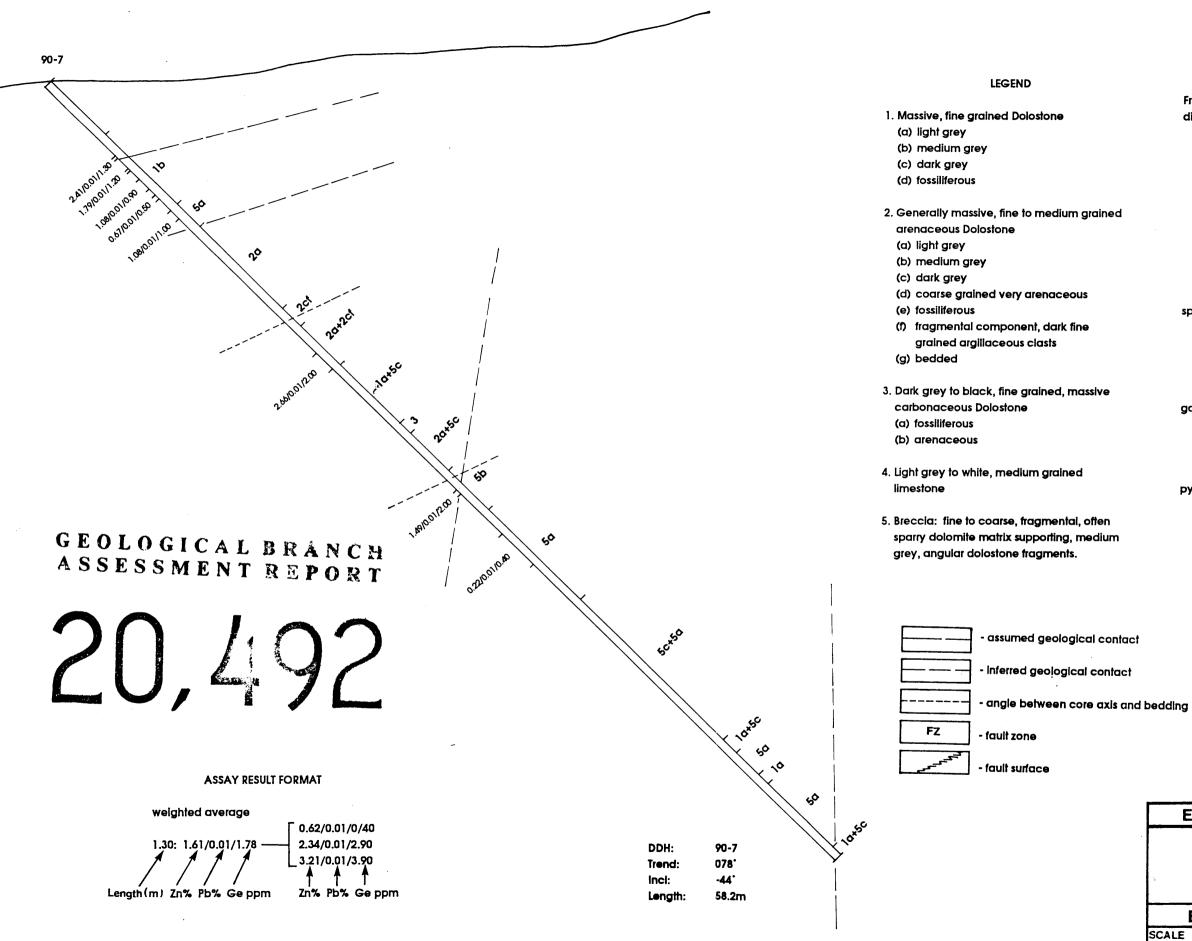
- angle between core axis and bedding

E	EQUINOX-DAREN JOINT VENTURE		
NINA PROPERTY WEST VERNON AREA			
DDH-90-5			
EQUINOX OPERATIONS GROUP			
SCALE	1:200	DATE	OCT., 1990
DRAWN	MB,GR	FIGURE	13



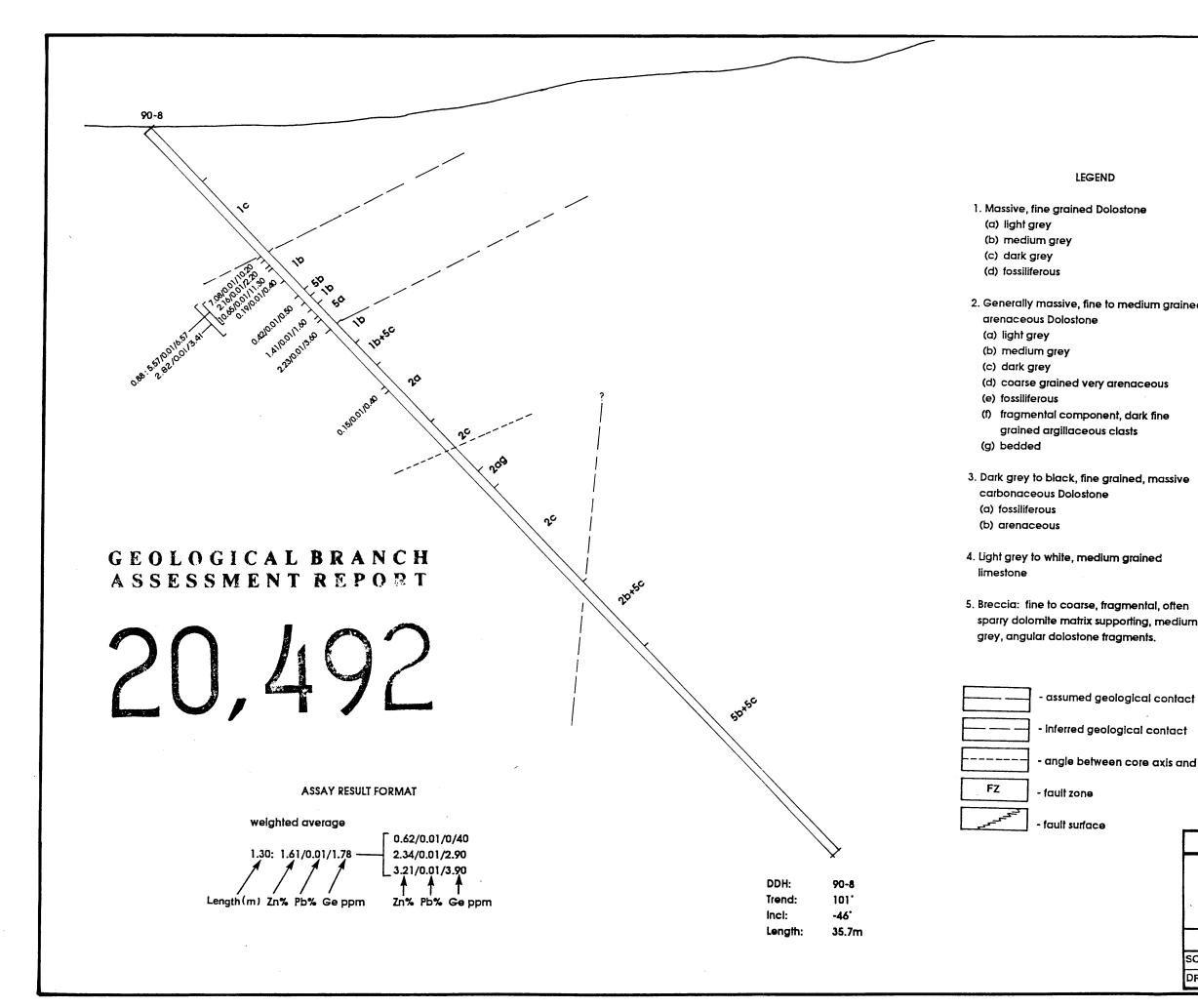
	diffus (a) frag	nents and matrix often indistinct having e margins. Well brecciated; >20-30% matrix, gmentation of host extensive. Moderately well brecciated; <20% matrix, fragmentation moderately extensive and often not pervasive.
rained	(c)	Weakly brecciated; only minor fragmentation, little indication of fragment rotation, essentially fractured host/incipient breccia. Matrix often both dolomite and carbonaceous material.
sive	sph:	Sphalerite mineralization, typically occurs as disseminated fine grains. When in higher concentrations often replaces breccia fragments or occurs as matrix component in arenaceous sections.
	gai:	Galena mineralization, typically as coarse crystals filling fractures In association with sparry dolomite, more rarely associated with sphalerite.
ften ədium	ру:	Pyrite mineralization, typically as fine grained whispy lenses, rarely as laminated narrow beds. In this occurrence likely represents syngenetic sulphide. Also in similar mode of occurrence as sphalerite.
ontact		

				and the second sec
E	EQUINOX-DAREN JOINT VENTURE			
	NINA PROPERTY BIDDY AREA DDH 90-6			
E	QUINOX	OPE	RATIO	NS GROUP
SCALE	1:200		DATE	OCT., 1990
DRAWN	MB,GR		FIGURE	14



	-	ments and matrix often Indistinct having se margins.
) Well brecciated; >20-30% matrix,
		gmentation of host extensive.
) Moderately well brecciated; <20% matrix,
		fragmentation moderately extensive and
		often not pervasive.
ned	(0)) Weakly brecciated; only minor
lieu		fragmentation, little indication of
		• ,
		fragment rotation, essentially fractured
		host/incipient breccia. Matrix often both
		dolomite and carbonaceous material.
	sph:	Sphalerite mineralization, typically occurs
		as disseminated fine grains. When in
		higher concentrations often replaces
		breccia fragments or occurs as matrix
		component in arenaceous sections.
e		
	gal:	Galena mineralization, typically as
		coarse crystals filling fractures
		in association with sparry dolomite, more
		rarely associated with sphalerite.
	py:	Pyrite mineralization, typically as fine
		grained whispy lenses, rarely as
n		laminated narrow beds. In this
um		occurrence likely represents syngenetic
		sulphide. Also in similar mode of
		occurrence as sphalerite.
		•

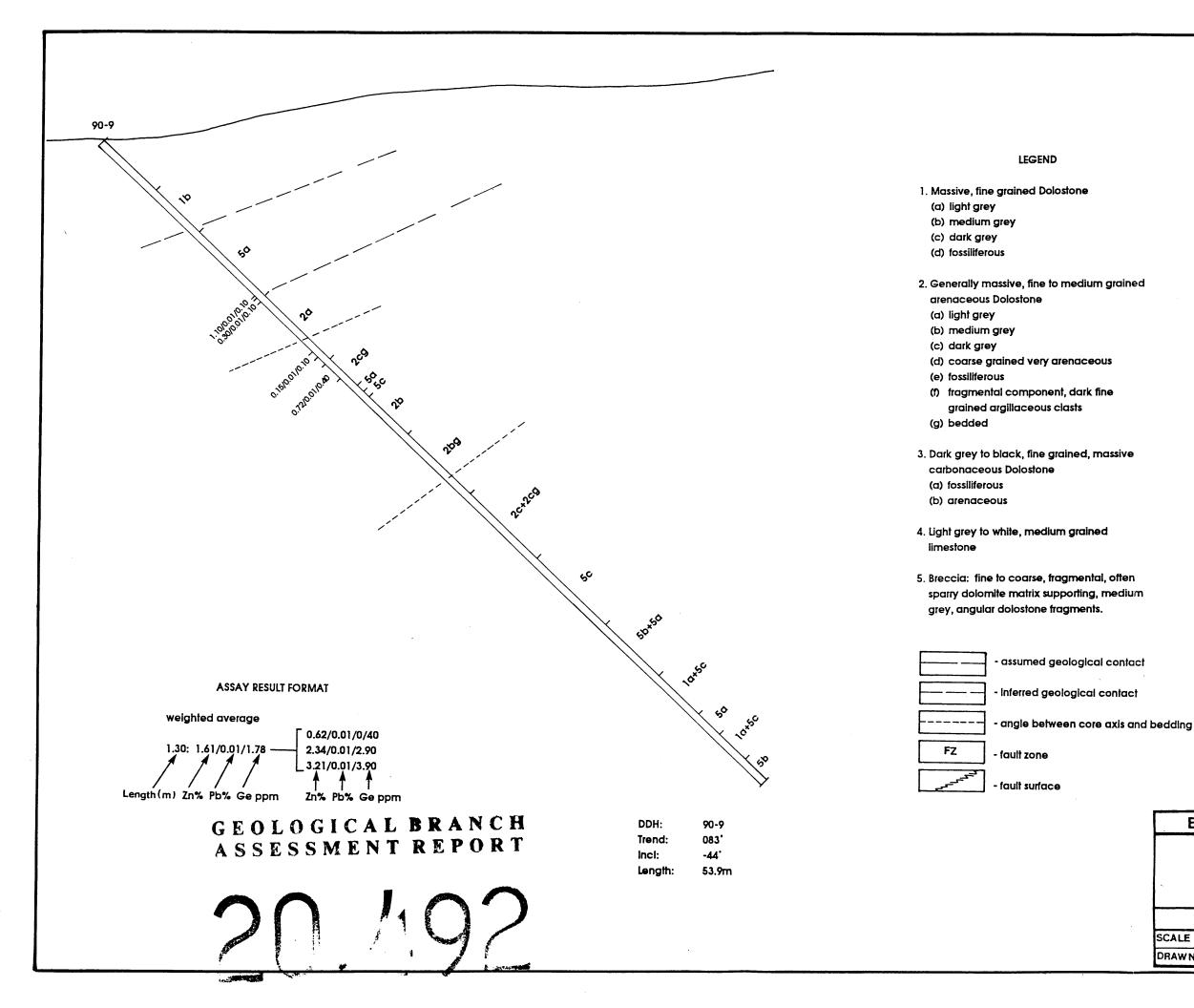
E	EQUINOX-DAREN JOINT VENTURE		
NINA PROPERTY			
		YARE	
	DDH 90-7		
E	EQUINOX OPERATIONS GROUP		
SCALE	1:200	DATE	OCT., 1990
DRAWN	MB,GR	FIGURE	15



10	diffus (a) fra	ments and matrix often indistinct having se margins.) Well brecclated; >20-30% matrix, gmentation of host extensive.) Moderately well brecclated; <20% matrix, fragmentation moderately extensive and often not pervasive.
dium grained	(c)	Weakly brecciated; only minor fragmentation, little indication of fragment rotation, essentially fractured host/incipient breccia. Matrix often both dolomite and carbonaceous material.
ceous		
rk fine	sph:	Sphalerite mineralization, typically occurs as disseminated fine grains. When in higher concentrations often replaces breccia fragments or occurs as matrix component in arenaceous sections.
d, massive		
lined	gal:	Galena mineralization, typically as coarse crystals filling fractures In association with sparry dolomite, more rarely associated with sphalerite.
		Pyrite mineralization, typically as fine grained whispy lenses, rarely as laminated narrow beds. In this occurrence likely represents syngenetic sulphide. Also in similar mode of occurrence as sphalerite.

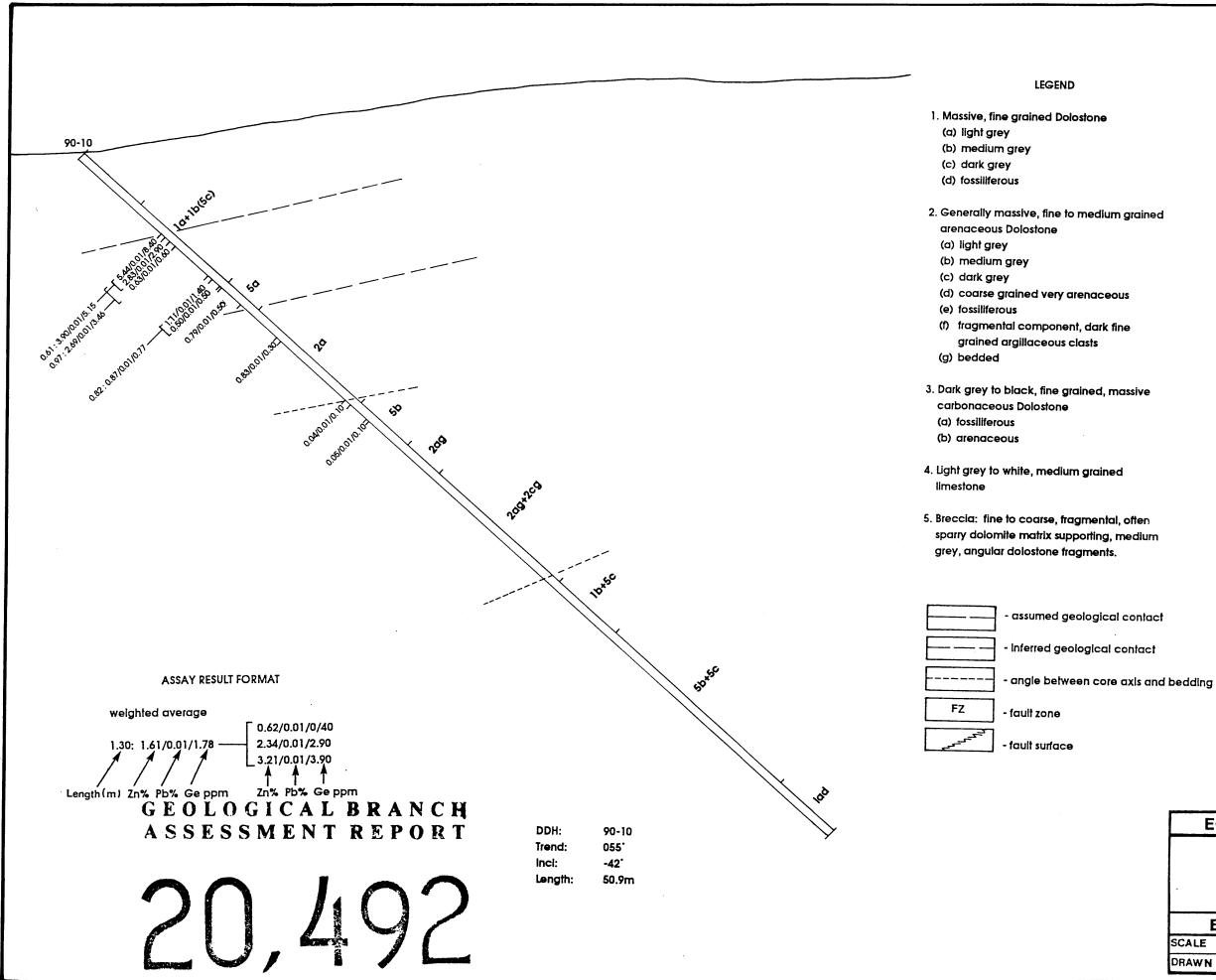
- angle between core axis and bedding

EQUINOX-DAREN JOINT VENTURE			
NINA PROPERTY			
BIDDY AREA			
DDH 90-8			
EQUINOX OPERATIONS GROUP			
SCALE 1:200	DATE OCT., 1990		
DRAWN MB,GR	FIGURE 16		



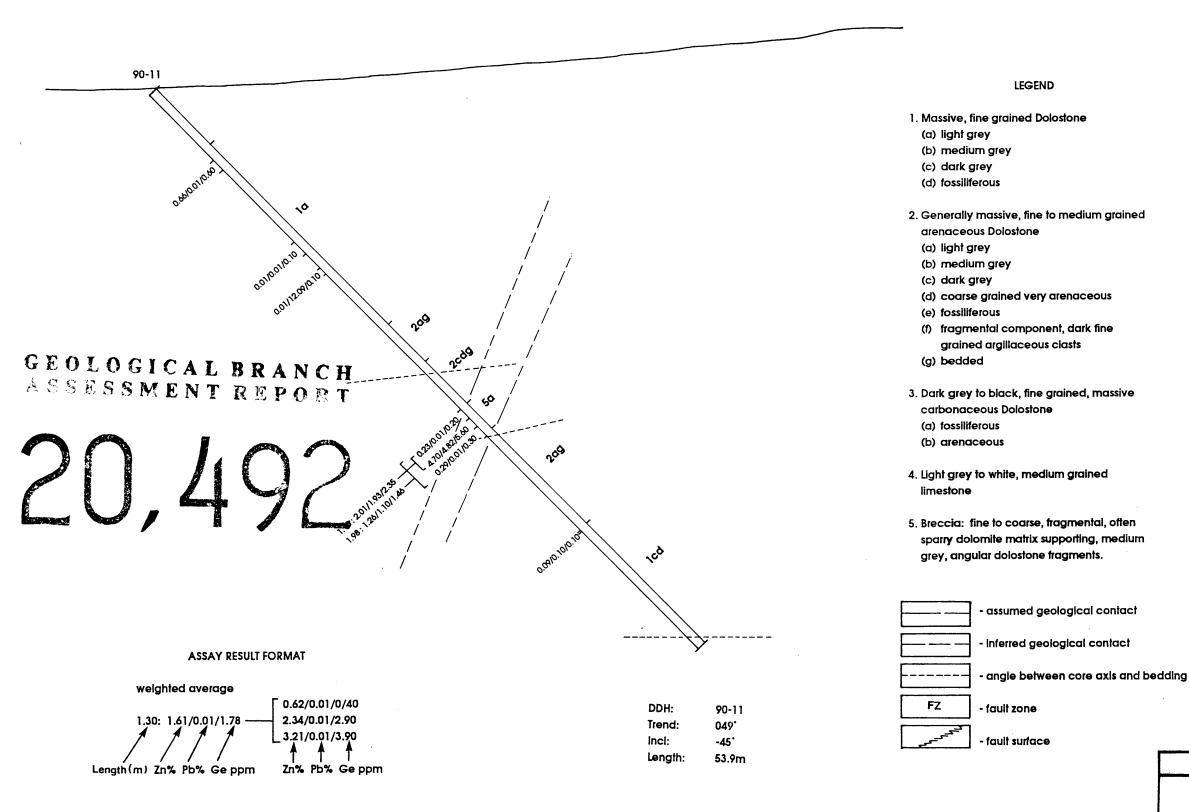
	diffus (a) frag	nents and matrix often indistinct having e margins. Well brecciated; >20-30% matrix, gmentation of host extensive. Moderately well brecciated; <20% matrix, fragmentation moderately extensive and often not pervasive.
grained	(c)	Weakly brecciated; only minor fragmentation, little indication of fragment rotation, essentially fractured host/incipient breccia. Matrix often both dolomite and carbonaceous material.
ð	sph:	Sphalerite mineralization, typically occurs as disseminated fine grains. When in higher concentrations often replaces breccia fragments or occurs as matrix component in arenaceous sections.
ssive	gal:	Galena mineralization, typically as coarse crystals filling fractures in association with sparry dolomite, more rarely associated with sphalerite.
often ædium	р у :	Pyrite mineralization, typically as fine grained whispy lenses, rarely as laminated narrow beds. In this occurrence likely represents syngenetic sulphide. Also in similar mode of occurrence as sphalerite.

E	EQUINOX-DAREN JOINT VENTURE			
NINA PROPERTY				
BIDDY AREA DDH 90-9				
EQUINOX OPERATIONS GROUP				
SCALE	1:200	DATE	OCT., 1990	
DRAWN	MB,GR	FIGURE	17	



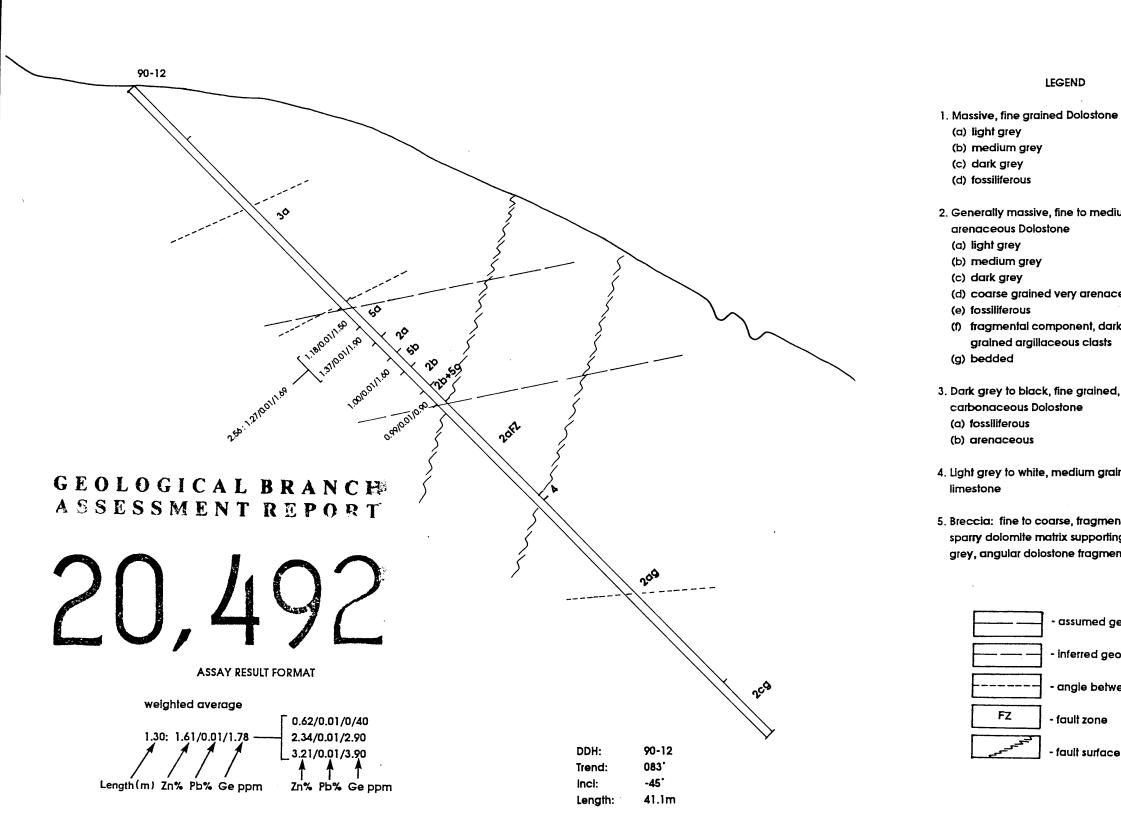
		ments and matrix often indistinct having use margins.
		-
		a) Well brecclated; >20-30% matrix,
		agmentation of host extensive.
	(Þ	 Moderately well brecciated; <20% matrix, fragmentation moderately extensive and often not pervasive.
grained	(c) Weakly brecciated; only minor
-		fragmentation, little indication of
		fragment rotation, essentially fractured
		host/incipient breccia. Matrix often both
IS		dolomite and carbonaceous material.
13		
_	sph:	Sphalerite mineralization, typically occurs
e		as disseminated fine grains. When in
		higher concentrations often replaces
		breccia fragments or occurs as matrix
		component in arenaceous sections.
issive		-
	gal:	Galena mineralization, typically as
		coarse crystals filling fractures
		in association with sparry dolomite, more
		rarely associated with sphalerite.
	py:	Pyrite mineralization, typically as fine
	• •	grained whispy lenses, rarely as
often		laminated narrow beds. In this
edium		occurrence likely represents syngenetic
		sulphide. Also in similar mode of
		occurrence as sphalerite.
		occurrence as spratellie.
oonimet		
contact		

EQUINOX-DAREN JOINT VENTURE			
NINA PROPERTY			
BIDDY AREA			
DDH 90-10			
EQUINOX OPERATIONS GROUP			
SCALE	1:200	DATE	OCT., 1990
DRAWN	MB,GR	FIGURE	18



	Fragn	nents and matrix often indistinct having
	diffuse	e margins.
	(a)	Well brecciated; >20-30% matrix,
	frag	gmentation of host extensive.
	(b)	Moderately well brecciated; <20% matrix,
		fragmentation moderately extensive and
		often not pervasive.
rained	(c)	Weakly brecciated; only minor
• •		fragmentation, little indication of
		fragment rotation, essentially fractured
		host/incipient breccia. Matrix often both
		dolomite and carbonaceous material.
5		
-	sph:	Sphalerite mineralization, typically occurs
•		as disseminated fine grains. When in
		higher concentrations often replaces
		breccia fragments or occurs as matrix
		component in arenaceous sections.
ssive		
33176	gal:	Galena mineralization, typically as
	gui.	coarse crystals filling fractures
		in association with sparry dolomite, more
		rarely associated with sphalerite.
		Idlely associated with sphalenie.
	D V:	Pyrite mineralization, typically as fine
	py:	grained whispy lenses, rarely as
-#		laminated narrow beds. In this
often Jedium		occurrence likely represents syngenetic
ecium		
		sulphide. Also in similar mode of
		occurrence as sphalerite.

EQUINOX-DAREN JOINT VENTURE			
NINA PROPERTY			
BIDDY AREA			
DDH 90-11			
DDH 90-11			
EQUINOX OPERATIONS GROUP			
SCALE	1:200	DATE	OCT., 1990
DRAWN	MB,GR	FIGURE	19



	Fragr	nents and matrix often indistinct having
•	diffus	e margins.
	(a)	Well brecciated; >20-30% matrix,
•	fra	gmentation of host extensive.
	(b)	Moderately well brecciated; <20% matrix,
		fragmentation moderately extensive and
		often not pervasive.
ium grained	(c)	Weakly brecciated; only minor
		fragmentation, little indication of
		fragment rotation, essentially fractured
		host/incipient breccia. Matrix often both
		dolomite and carbonaceous material.
ceous		
	sph:	Sphalerite mineralization, typically occurs
rk fine	•	as disseminated fine grains. When in
		higher concentrations often replaces
		breccia fragments or occurs as matrix
		component in arenaceous sections.
l, massive		
	gal:	Galena mineralization, typically as
	-	coarse crystals filling fractures
		in association with sparry dolomite, more
		rarely associated with sphalerite.
lined		-
	py:	Pyrite mineralization, typically as fine
		grained whispy lenses, rarely as
ntal, often		laminated narrow beds. In this
ng, medium		occurrence likely represents syngenetic
ents.		sulphide. Also in similar mode of
		occurrence as sphalerite.

- assumed geological contact

- inferred geological contact

- angle between core axis and bedding

EQUINOX-DAREN JOINT VENTURE								
NINA PROPERTY EAST VERNON AREA DDH 90-12								
EQUINOX O	EQUINOX OPERATIONS GROUP							
SCALE 1:200	DATE OCT., 1990							
DRAWN MB,GR	FIGURE 20							

30 50*50 2.30^{.2.1710.011} GEOLOGICAL BRANCH ASSESSMENT REPORT 20,492

90-13

209 DDH: 90-13

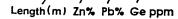
n¢

Trend: 077 Inci: -49' 47.8m Length:

(a) light grey (b) medium grey

- (f) fragmental component, dark fine grained argillaceous clasts (g) bedded
- 3. Dark grey to black, fine grained, massive carbonaceous Dolostone (a) fossiliferous
- (b) arenaceous
- 4. Light grey to white, medium grained limestone
- 5. Breccia: fine to coarse, fragmental, offe sparry dolomite matrix supporting, media grey, angular dolostone fragments.

	- assumed geological con
	- Inferred geological conto
	- angle between core axis
FZ	- fault zone
فيحتحم	- fault surface



Zn% Pb% Ge ppm

0.62/0.01/0/40

2.34/0.01/2.90 3.21/0.01/3.90

ASSAY RESULT FORMAT

weighted average

1.30: 1.61/0.01/1.78

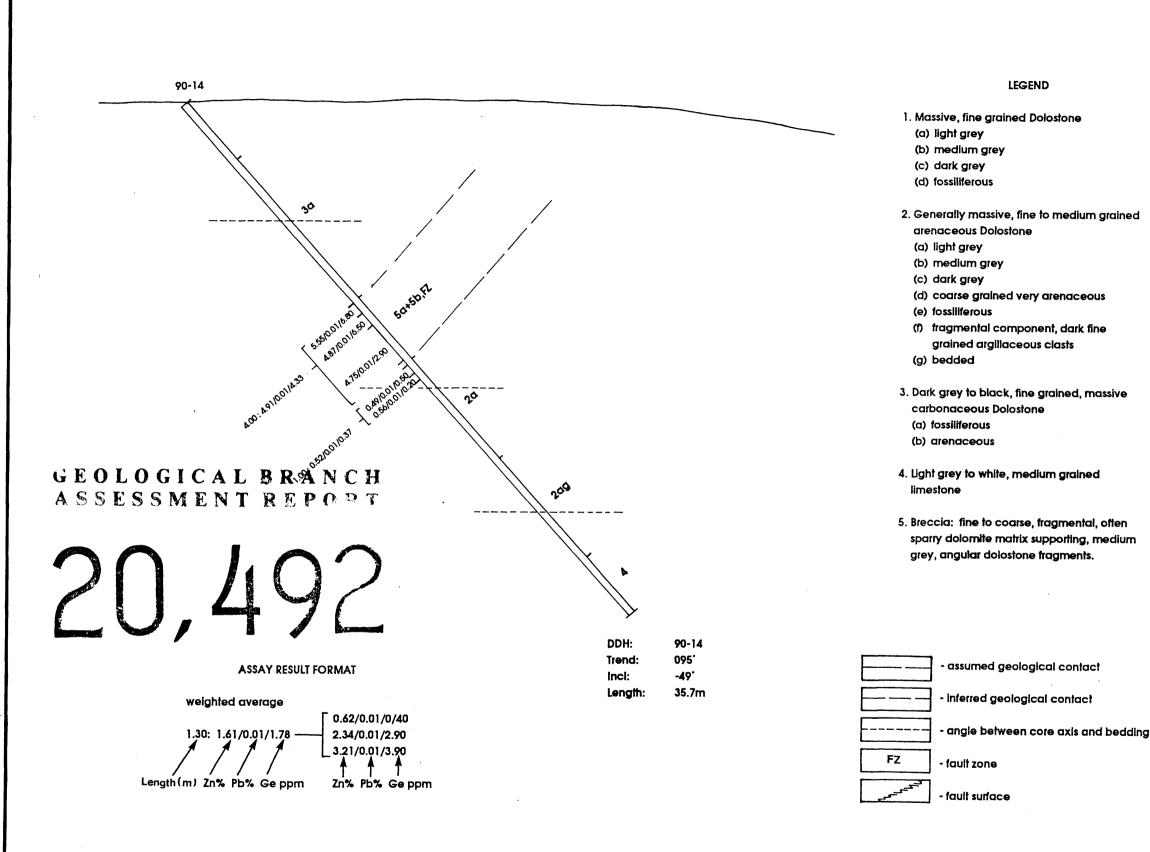
LEGEND	
	Fragments and matrix often indistinct having
1. Massive, fine grained Dolostone	diffuse margins.
(a) light grey	(a) Well brecciated; >20-30% matrix,
(b) medium grey	tragmentation of host extensive.
(c) dark grey	(b) Moderately well brecciated; <20% matrix,
(d) fossiliferous	fragmentation moderately extensive and
	often not pervasive.
2. Generally massive, fine to medium grained	(c) Weakly brecciated; only minor
arenaceous Dolostone	fragmentation, little indication of
(a) light grey	fragment rotation, essentially fractured
(b) medium grey	host/incipient breccia. Matrix often both
(c) dark grey	dolomite and carbonaceous material.
(d) coarse grained very arenaceous	
(e) fossiliferous	sph: Sphalerite mineralization, typically occurs
(f) fragmental component, dark fine	as disseminated fine grains. When in
grained argillaceous clasts	higher concentrations often replaces
(g) bedded	breccia fragments or occurs as matrix
	component in arenaceous sections.
3. Dark grey to black, fine grained, massive	
carbonaceous Dolostone	gal: Galena mineralization, typically as
(a) fossiliferous	coarse crystals filling fractures
(b) arenaceous	in association with sparry dolomite, more
	rarely associated with sphalerite.
4. Light grey to white, medium grained	-
	py: Pyrite mineralization, typically as fine
	grained whispy lenses, rarely as
5. Breccia: fine to coarse, fragmental, often	laminated narrow beds. In this
sparry dolomite matrix supporting, medium	occurrence likely represents syngenetic
grey, angular dolostone fragments.	sulphide. Also in similar mode of
g / 1 g	occurrence as sphalerite.

ntact

act

and bedding

EQUINOX-DAREN JOINT VENTURE								
NINA PROPERTY								
EAST VERNON AREA								
DDH	90-13							
EQUINOX OPERATIONS GROUP								
SCALE 1:200	DATE OCT., 1990							
DRAWN MB,GR	FIGURE 21							



Fragments and matrix often indistinct having diffuse margins.

(a) Well brecciated; >20-30% matrix, fragmentation of host extensive.

- (b) Moderately well brecciated; <20% matrix, fragmentation moderately extensive and often not pervasive.
- (c) Weakly brecciated; only minor fragmentation, little indication of fragment rotation, essentially fractured host/incipient breccia. Matrix often both dolomite and carbonaceous material.
- sph: Sphalerite mineralization, typically occurs as disseminated fine grains. When in higher concentrations often replaces breccia fragments or occurs as matrix component in arenaceous sections.
- gal: Galena mineralization, typically as coarse crystals filling fractures in association with sparry dolomite, more rarely associated with sphalerite.
- py: Pyrite mineralization, typically as fine grained whispy lenses, rarely as laminated narrow beds. In this occurrence likely represents syngenetic sulphide. Also in similar mode of occurrence as sphalerite.

EQUINOX-DAREN JOINT VENTURE								
NINA PROPERTY EAST VERNON AREA DDH 90-14								
E	EQUINOX OPERATIONS GROUP							
SCALE	1:200	DATE	OCT., 1990					
DRAWN	MB,GR	FIGURE	22					

APPENDIX II

Diamond Drill Hole Logs

BEATY G	EOLOGIC	CAL LTD.
•		

DIAMOND DRILL RECORD

Property_NINA

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Logged by <u>Mark Bakwes</u> Date Logged<u>: Oct 1/90</u> Drilling Begun<u>Sept 29/90</u> Drilling Finished<u>Sept 30/90</u>

Hole Bearing <u>623</u> Collar Dip Angle <u>42</u> Dip Test: Depth <u>not done</u> Angle <u>not done</u> Total Depth <u>47.85</u> M Hole No. <u>90-1</u> Core Size <u>BQ</u> Claim Group <u>NICA 2</u> Location <u>WEST VERNON</u>

r	•			SAMPLES				1.	1.	% PPM		
FROM	то	DESCRIPTION	structure	NUMBER	FROM	TO	WIDTH	Pb	Zn	Ge		
	4:	Recovern > 95%						· .	· ·			
0	-24	Recovery > 95% CASING	<u> </u>					· · · · · · · · · · · · · · · · · · ·		<u> </u>		
4	7.4	Light Grey massive to insite brecketed dolostone. Bxx filling						Ť.				
		or surface continues black amphitic unterial, hocal annuacions				<u>ب</u>			99 ÷			
		ou surbre continge black graphitic unterior). Local granderes					1.11		1	and the second		
		(54-626) Auguarants delestance				. • .		L	1.1	222 1	Alter an	
7.4	9.6	Dark Gran to Black dolowith fossilitenous packstone. Fine dark matrix with domabut to mod anounts of fine (<100)	1				1	<u> </u>			<u> </u>	
·		davic matrix with doundant for mad amounts of fine (cich)	and the second	and a second	1	N						<u> </u>
		tossil debuge boreally arguereeus hear	1							1 800 mg	102.00	
		(7.5-8.1) Massive Fine quained disanaceous debstone. (9.05-9.22) med to cuse availed avalaceous debstone.				1	1			L	<u> </u>	
		(9.05-9.22) mod to cuse availed avavacious dolostone.							ļ	<u></u>	ļ	<u> </u>
9.6	13.85		<u>i</u>	44951	10.96	11.14	.18	0.01	1:43	0.5	<u> </u>	<u> </u>
		of fossils 3-2cm usually indistinct (chinoids) also, black qualificous	·}							····	<u> </u>	
		doluctine Frage, Locally avanaceous, Local lenses of pyrobitumen. Me	<u> </u>						<u> </u>	2.5		<u> </u>
		azmon lease of galena, at 13.3. Revely collecte was contain traces	1						1		L	
		1 f" aday " willing extra 14 an 14 mainlined (sobolente) section	1								<u> </u>	<u> </u>
		1-2 % sph as lenses of disen aroune sphel + as fracture filling Light Grey Massive to weakly brecciated dobstone with black										
13.85	14.70	Light Gren Massive to weakly brecciated delestone with black							1			
		araillacoous + avanaceous clasts + ou fracture fillings, Black aug.	1									<u> </u>
		+ are parague indevial is - a fractived + largeristral clasts + as warmy possibly										1
	1	primary crossenting lenses 1 irreaular Forms (ball + pillow structures?) Host						·				
		is Found marking hund to made an availand cive microvs dolostene	1									
14.70	18.38		1									<u> .</u>
	1 100.00	Fluctures infilled with soarry didentite, haval black aroullaleous clasts	1									<u> </u>
		I with the second secon						•	1		L	
1838	20.42	Medium Grey Fragmental Dobstrup. Dark fragments augulite										
		possibly fossiliterray in Med-light grey dulostone. local concern trators of pyrobitimen									L	<u> </u>
	1	trators of purchitumen						~				
L	A	La transfer to the transfer to the second										2

Sheet_____ of_

and and a second se



DIAMOND DRILL RECORD

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Property NINA

Logged by <u>Navk Baknes</u> Date Logged <u>Oct 1 /90</u> Drilling Begun <u>Sept 29 /96</u> Drilling Finished <u>Sept 30/90</u>

Hole Bearing	02	3°		
Collar Din Angle	42	•		
Dip Test: Depth	7-0	one_	Angle_	
Total Depth	17.85	M		

Hole No 90-1	·
Core Size BQ	1
Claim Group NICA 2	
Location WEST VERNON AF	ZEA

.

.

					SAMPL	ES		%	1.	PPM		
		DESCRIPTION	itucture	NUMBER	FROM	то	WIDTH	Pb	Zn	Ge		· · · · · · · · · · · · · · · · · · ·
	то	hight Grey Massive Fine grained avanaceous dolostone.		1			·	' <u> </u>	L		'ł	۱ <u>منب منب</u>
20.42 2	21.10	hight Grey Whassive time grained and merces secondary				·	<u></u>		L	·	'ł	!
		Moderately brecciated hight Grey Massive fine availed		1		L		<u>,*</u>	L	·ł	·	' <u> </u>
21.10 23	13.47	I Redevately preciainal highi arts incident		1		· · · · ·	L	<u> </u>	└──── ┤	' <u> </u>	<u> </u>	۱
├ ─── ├ ─		- Avanacious molecture bavas portion of section is		· ·	4	L	L	L	<u>↓ · · · · · · · · · · · · · · · · · · ·</u>	<u> </u>	19.94 19.97	L
		unally main with shallowite Solval is downe vances			·	ļ	Ļ	ļ		<u>`</u>	·i	L
├├		Moderately breechated hight Grey Massive the available avanaccous dolostome. Breech is bradly incipient willing black anaphitic? Large portion at section is weakly min with spalerite. Sphal is conver vances from 0.5 - 1-2%, as diseminations patches, + replacements	· · · · ·	l	4	<u> </u>	ļ	Ļ	<u> </u>	<u> </u>	۱ ـــــــ	ļ
├ ─── │		of brecciated frags. Miner appears to be sur brecciation	ļ	L	4	·····		L	0.12	L	<u>├</u>	├ ── <u>,</u> ,
├ ─── ├ ─		of Diecciated tracs, inter appends to		44952	20.97	21.66	0.69	0.01	0.62		<u><u> </u></u>	ا ر
├ ─── ├ ─	1	- Sample of .5-1% disen sph + local concer of 10% sph as	ļ	44953	21.66	2200	206.74	10.01	2.34	المربح	└─── ┓	1-
	h	ivreg lasses & metrix infilling.	ļ	44954	22,00	22,27	0.27	0.01	3.21	التحبي	۲،	<u>+ </u>
├ ─── ├ ─			ļ	44955	22.AT	22:51	0.20	10.01	1.24	$\Box \Delta \Delta$	<u>├</u> \	
		making to cover a cover debutic sandstone.	<u> </u>	1 · ·	122.11	22.4.	<u> </u>	├ ────	i	۱	├ `	
23.47 2	x 1.50	I call but I can action but SS atten lensold withing	1	L				Į,	<u> </u>	۹	├ ─── [′]	ł
		Langua John an as containing black ava. clasts.	1	L			 	<u> </u>	i	└─── ┐	├ ───,	+
├ ─── ├ ─		I I I I I I I I I I I I I I I I I I I	1					 	+	├ `\	 ,	+
├ ─── ┼ ─		(27.16-27.40) Very coars ss 3-4 mm black arains	<u> </u>	Į	+	 			+	├ ───┐	t	+
├			1			+	+	<u>i</u>	+	 	+	t
27.50 3	22	Light Over Dolostone Breccion - Fragments of light to	1	Į				+	+	 	+	t
- <u> </u>	33.09	the transverse debitore	<u> </u>				+	+	+	+	+	1
<u> </u>		I I I I I COMULA DOMULA FURIAMPHIS OF ISA	1	 			+	+	+	 	1	t .
├ ─── ↑		I have diffuse boundary with dolomite matrix, Short section	4				+	+	+	<u>+</u>	t	1
		I 2.7 " The human lizetime Sol is orange 4 occurs as disentit.		·		+	+		+	1	1	1
 +		grains 4 as replacements of breccin tranneuts.		11 11		+	+	1000	0.95	0.9	+	+
 +		- Soundle of discip 4 than, replacement MIN.		44956	-127.57	27.85	1.28	10.01	+0.13	+	+	1
 +		(29.38-29.77) Med grained dolomitic 5.5.		+		+	+	+	+	<u>+</u>	<u>+</u>	<u> </u>
 +			_ <u> </u>			+	+	+	+	+	+	1
		1. 1. 1	1	J		ــــــ	<u> </u>		Sheet		 _ *	3
L			•						Sneet.	<u>_~</u>	. or_	

					 	D	roper	• . .	NINA	*		
BEATY GEU Consulting Geologico	LOGICAL LTD. Services	DIAMOND DI				.	TOPEL	(y				
ogged by <u>Mark</u>	F Roknar	Hole Bearing2°		-		Hole	No	90-1	ł			
where is a second of the	1 /9/2	Collar Dip Angle42°		·		Core	Size	Ba			······	
	nt 29/90	Dip Test: DepthND	Angle.	NP.		Claim	Group	NIC	<u>A 2</u>		0	
rilling Finished	ept 30 / an	Total Depth <u>47.85 m</u>		<u></u>		Locat	ionl	WEST	VERI	UN F	REA	
			structure		SAMPL	ES		1.	1.	PPM		
FROM TO		SCRIPTION		NUMBER	FROM	TO	WIDTH	Pb.	Zn	l Ge		┿
33.09 35.4 Dark	Gvey mod-weakly avanac	eous Doloctone - Massive . avery dolonite + minou fractur			+				╂────	<u> </u>	<u> </u>	+
hoc hoc	c werny lenses at spe	avery abbonile T minor Inacion	·e					.4	1	ŀ	<u> </u>	+
						·					· ·	
35.4 44.81 (* Pe	v recovery x 35%) Fai	It zone hight grey to		ļ	ļ	 	_	-	<u> </u>	<u> </u>	<u> </u>	<u> </u>
gre	hish arey med to time	granned dolestone breccin(.5 lan-calcite cement appears n. Sample to test ta possible			+					<u> </u>	<u> </u>	
-> 2	n) Porrorse with servicile-c	Sample to test the paceble			+		<u> </u>	<u> </u>	+	 	†	+
	anned unaprelization		8	· · ·								
Sam	le : test fault zone material;	no visible murulization		44957	38.20	3850	0.30	0.01	0.15	0.1	<u> </u>	<u> </u>
			·				+		<u> </u>	<u> </u>	<u> </u>	+
	ive Light Gren weatly ava	inaceous Dolostone.		<u> </u>			+		+	╂────	and grades	
	zones of s.s.	cia, abundant stulolites alloo		<u> </u>					+	+	t	<u>† · · ·</u>
(4)	27-41,73) Fragmotal zone	with black vounded + angular		[1		· ·			
ave	lite flogs in coarse dolomi	it ic avenations matur								ļ	<u></u>	<u> </u>
. `								 			┼───	╂
						<u> </u>	+		╂	╆	<u> </u>	+
			<u> </u>		+		+		+	+	<u>}</u>	1
					1							
			i							<u> </u>		
				ļ	· · · ·	ļ				₋₋		╂
	·····			 	+	<u> </u>		}	╆───		╂────	+
								 	+	+	+	+
			à			<u> </u>		†	1.	1	1	1 and 1
1 1		•	1									



DIAMOND DRILL RECORD

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Property___NINA

Logged by Navk E Baknes	
Date Logged CCT 1/90	_
Drilling Begun Sept 30	_
Drilling Finished Sept '30	_

Hole Bearing <u>038</u> Collar Dip Angle<u>40</u> Dip Test: Depth<u>ND</u> Total Depth<u>72.24</u> m 038° 40° Angle_ ND 72.24 m

Hole No. 90-2 Core Size____BQ

Claim Group NICA Z Location WEST VERNON AREA

			نسر زیار		SAMPL	.ES						
FROM	то	DESCRIPTION Axis angle	STILCO C	NUMBER		TO	WIDTH		1. A.			
0	1444	CASING										
	5.75	Medium Gren - hight Gren Do fossilitenous + dobmitic						- 			!	[
		Madium Gren - hight Gren Do fossiliterous + dobmitic packstone. Medium quain Fossil frags. (indistinct) also avanaceous dobmite frags.				· · ·		.*		•	ļ!	I
		avanaceous dobmite frags.									ļ	
		Dubmine			<u> </u>	<u> </u>					<u> </u>	L
5.75	11.28	Black to Davk Grey Avauacrous Fassilitevous Packstone					·					
		Black to Davk Grey Avanacious tossilitevous tacksione. Medium to fine animed availlaceous & dominarilly dobmitic foscill fragments, Black color due to black avanaceous + availlic material.		· · ·							 '	
		Soscill fragments, Black color due to black anangceous +		<u>_</u>		L						
		availlie material.									ļ	ļ
		(9.66-10) Madium Greekincipiently breccinted dobstone. (10.92-11.03) Davk aven well sorted dolomitic sandstone										Į
		(10.92-11.03) Davk aven well southed dolomitic saudistone					·				 	· · ·
		(10.90) trace optimin, replacing availbreach frag.		· · · · · · · · · · · · · · · · · · ·					·		<u> </u>	
			<u> </u>			 					¹	
11.26	12,80	Med Light Grey Incipiently Brecciated Fine arauned Weakly Aranaceous Delastone.			_	ļ						
		Meakly Avaviaceous Dolostone.	<u> </u>					·			 '	
		Breecia matrix is avaphitic, Very! minor soh miner- alization, occurring as isolated fragment replacement. Minor amounts of pyrobitumen.	l								<u> </u>	
		alization, occurring as isolated Tranment replacements	ļ			ļ						<u> </u>
		Minor amounts of pyrobitumen.	<u> </u>			ļ					↓ '	
											 '	
12.80	16.35	Davk Grey Aranaceous, Fossilizerous Dolomitic, Packstone.	coveaxis			<u> </u>					<u> </u>	───
		Similar to 5.75-11.28 but slightly lighter color + greater proportion of fragmental material. Local leyses at pyrobilizers.	bedding			ļ					 	┟────
		proportion of fragmental inciterial, Local lenses at	19-(500)								ļ	
		purchdumen.	1			ļ					ļ	
		(15.48-15.95) Several dolomite filled aush tractures -	1 18° .			ļ					ļ/	ļ
		with traces of sph.	<u> </u>			ļ					↓	<u> </u>
			L			 		·			ļ	
16.35	17.63	Maclium (sver, medium grained Dolomitic Sandstone	<u> </u>			ļ			••		 	
			1	[<u> </u>	L		L	0.5			<u> </u>

Sheet. of.



DIAMOND DRILL RECORD

Property_NIMA

Logged by Mark Bakines Date Logged Oct 1/90 Drilling Begun Sept 30 Drilling Finished_ Sept 20

Hole Bearing_____ Collar Dip Angle_ 039 40 Dip Test: Depth___ND Angle_ND 72,24 m Total Depth____

Hole No. 90-2 Core Size BQ Claim Group NICA 2 Location WEST VERNON AREA

		it it is the second secon	يہ ا					10	%	PPM		
FROM	то			NUMBER	FROM	TO	WIDTH	Pb	Zn	Ge		
17.63	21.03	Davk Grey Fossiliferous Dolomite. Massive metuix										
		supporting 10-20% 0.5 mm fossils? possibly crinoids.			1			<u> </u>				
		horal zones are avanacrous with coavse sand - pebblics.			ļ			<u>.</u>				
•		Avanceous DESCRIPTION INUMBER FROM TO WIDTH Pb Zn Ge avk Gvey Fossilifevous Dalmite. Massive methix is consists? possibly crimately. avk Gvey Recented Debmite. avk Gv										
21.03	48.00	Davk Grey Breccinted Dobmite			ļ			· · · ·				L
		Fragmentation varies from minor - incipient to matrix				·						1
		supported breccin where fracments are dark avery to				·						L
		black dolostone + meticix is sparry dolomite.			ļ	· .					·	
		Winevalization is varys from per hil to 95% as			ļ							·
		dison veplacements at fragments; 1-2% ac fragment			ļ							ļ
		vertacements (often as vims) + also as 1% occurring!										
		as yellow constals in vugs of spavon delomite.			·			· · ·	· .			
				44958	22.36	22.59	0.23	0.01	3.17	3.39		ļ
		coloved breccin fragments:										<u> </u>
		Sample: 1-2% sphal both as fragment replacement		44959	30.02	30,57	0.55	0.01	2.22	2.8		l
	Sample: <1% as weak veplacements. colored brecking fragments. Sample: 1-2% sphal both as fragment A dis Vug infilling with sparry dolo	A de vua infilling with spavny dolomite			3.							ļ
				44960	30.57	31.13	0.56	0.01	1.10	1.2)	ļ
		(29,57 - 32,00) Davkey section move quaphitic										ļ
		1)ell defined slickside surface at 23 m love			ļ							l
l		* Recovery 90-70% 40	2°									ļ
		(39.91 - 48.70) Increased Fault Intensity, Degree + density		ļ								
·		of brecciation increased. Greater proportion of			_	[[ļ				l
		alteration gives bleached appearance minerals include							L			ļ
		and down to possible clare tox sevicity. Some			ļ	·		ļ				
		sections fault goinge poor recovery.			l							l
		Sample: 1-2% Gatenal as isolated 2mm wide tracture fill. Traces		4496 1	38.3B	38.52	0.14	0.01	0.25	0,2		
	Gupported breccia where framments one black dolostone + metitix is sparry d Whinevalization is varys from per hil disen replacements of fragments: verbacements (often as vims) + also eis yellow cructals in vuas of spa Sample: <1% as weak replacements colored breccin fragments. Sample: 1-2% sphal both as fragmen A cis via infilling with sparry do Sample : <1% sphal both as fragmen (29.57-32,00) Darker section more (29.57-32,00) Darker section more (39.91 - 78.70) Increased Eault Intensity of brecciation increased, Greater alteration gives bleached appearance calculation gives bleached appearance (alcole dobainte, possibly clay tor Sample: 1-2% calenal as isolated 2mm wid of unlow sphale in white dolonite vuge	of notion sphale in white dolonite was										
		Sample: < 19 sph. as disem. fine grains in moderate intensity .		44962	48.18	48.60	0.42	0.01	0.79	1.0		3



DIAMOND DRILL RECORD

Property___NINA

Logged by Mark Baknes	
Date Logged Oct 2/90	
Drilling Regun Sept 30/90	
Drilling Finished_Sept: 30/90	

Hole Bearing	038		
Collar Dip Angle_			
Dip Test: Depth_		_Angle_ND	
Total Depth			

Hole No. <u>90-2</u> Core Size <u>Ba</u> Claim Group <u>N/CA 2</u> Location <u>WEST VERNON AREA</u>

			inche		SAMPL	ES		10	%	PPM		
FROM	TO	DESCRIPTION	MUGUE	NUMBER	FROM	то	WIDTH	Pb	Zn	Ge		
_	52.48	Madium Grey Massive to Weakly Brecciated Dolostone. Largely unbrecciated equivalent of previous section.										
		Largely unbrecciated equivalent of previous section.	l			1	1				L	
							1					ļ
52.4B	63,74	Medium Guey Breccinted Dobstone. Similar to section 21.03 to 48 but lighter color. Sample: Intensely breccinted zone, includes Fault gauge Possibly mineralized with 0.5-1% sphal.			<u> </u>					·		<u> </u>
	1	Similar to section 21.03 to 48 but lighter color.				<u> </u>						
		Sample: Intensely brecciated zone, includes fault course		44963		57.91	0.31	0.01	0.04	0.1	ļ	<u> </u>
]	Possibly mineralized with 0,5-1% sphal			5							L
			ļ	· · · · · · · · · · · · · · · · · · ·	· · · ·				1997 - 1997 - ¹⁹		<u> </u>	
63.74	69.19	Light Gren Massive to Moderately Brecciated Dobstone.				L					· · · · · · · · · · · · · · · · · · ·	ļ
	_	Light Grey Massive to Moderately Brecciated Dolostone. Consistent orientation of dolomite each fractures	<u>47°</u>			L						
						ŀ				· .		ļ
69.19	72.24	Medium Grey Massive to Insitu Brecciated Dolostone Characteristic black argulaceous/graphitic fracture	<u> </u>						•		·	
END	HOLE	Characteristic black availy ceous / avaphitic fracture				ļ			i			
		coatings.	<u> </u>								L	ļ
			1									L
			1			<u> </u>						
												<u> </u>
		· · · · · · · · · · · · · · · · · · ·	1									
			1		1							<u> </u>
			1		1	1						
			1			1						
			1			1						
			1	1	1	1	1					
,			1	1		1						
			1			1						
			1	[1	1		[••	<u> </u>		
			1	l	1	1						

Sheet 3 of 3



DIAMOND DRILL RECORD

NINA Property_

Logged by <u>Mark Bakne</u> Date Logged <u>Oct 2190</u> Drilling Begun <u>Oct 1/90</u> Drilling Finished <u>Oct 1/90</u> Mark Baknes Oct 11/90

Hole Bearing	109°				
Collar Dip Angle_		-		1.1	
Dip Test: Depth_		Anale	ND		
Total Depth					

1.5

Hole No. ______ DDH _ 90-3 BQ Core Size____

Claim Group NICA 2 Location WEST VERNON AREA

			itudire	a straight	SAMPL	ES .	že.					1
ROM	TO	DESCRIPTION	Sunder -	NUMBER	FROM	TO	WIDTH					
0	'4	CASING										
4	6.60	Dark Gren Massive- Fine Grained Dolostone						•				
		Dark Grey Massive- Fine Grained Dolostone Less than \$% 2% round fassil fragments Core axis to bedding								•		
		Cove axis to bedding	°סד									
6.60	8.87	Medium-Dark Grey Medium Grained Fossiliferous										
		Dolostore										
		2-3 mm crinoids + fossil fragments <5% in medium grained otherwise massive dobstone.			-							
		grained otherwise massive dobstone.										\bot
												1
8.87	10.25	hight Grey Medium to Coause Guained Fassilife- rous Dolostonp - (Packstone)										+
		vous Dolostonp (Packstone)							· .	L		1
		Coave textured massive dolostore, 1-3 mm cunoids Usually indistinct										1
		usually indistinct									ļ	1
			l				1		······			
10.25	10.98	Black Fine Grained, Fossilitenous, Argillacous	1									
		Dobathing										
		10% 2-4 mm crinoid + fossil fragments in black										
		fined availated availateous dolostone.										
		10% 2-4mm crinoid + fossil fragments in black fined grained angulareous dolostone. rove axis to bedding	70°									
		_										
10.98	13.75	Light Grey Medium to Coarse Grained Fossiliferous	1									
		hight Grey Medium to Coarse Grained Fossiliferous Dolostone (Same as section B.B7-10.25.)										
3.75	14.50	Davk Greg - Black Medium Grained Fossiliferous Avgillaceou	Į						,			
		Dolostone										1
		10% 2-3 mm crinoids + fossil fragments;							•••			1

Sheet_1_ of

Property_NINA DIAMOND DRILL RECORD BEATY GEOLOGICAL LTD. Consulting Geological Services Hole No. DDH 90-3 Logged by Mark Baknes 109 Hole Bearing_ BQ Core Size_ 44° Date Logged Oct 2/90 Collar Dip Angle_ Claim Group NKA 2 ND___Angle__ND__ Drilling Begun Oct 1/90 Dip Test: Depth____ Location WEST VERNON AREA Drilling Finished_Oct 1/90 Total Depth_____ 53.95 m SAMPLES % PPM itructure DESCRIPTION FROM TO WIDTH Ph 6e NUMBER Zn FROM то Medium Gueg Medium Grained Massive Dolostone. 16.20 13.75 Vern few crinoids (1-2m, <2%). -(15.85-16.25) Brecciated Section, 10% Dobmite as Inatvix Filling, also 5% fine grained putte as irregular levers between & replacing fragments. Sphalerite 1% is diseminated within putte. Sample: Of purite sph. - bearing breccia 1.1.1 14. ... 1.1.1 . 1 M.1 -0,01 1.86 0.5 15.84 16.23 0.39 44964 Davk Grey Madium Grey Medium Grained Fassiliferous Dobstone 19.08 16.20 Has < 5% crinoids in sections weakly breached / functured, abundant Stylolites, avey Ci -(1237-17:00) Darky Fine Grained Delestone with Sin Icm . 0 Crinoids, 1.56 1.69 0.3 44965 0.76 Light to Medium Grey Coarsly Aranaceous Dolostone 19.93 20.69 19.08 2438 Some sections have 1-3mm wound sand quains, also some incipient brecciption Mineralization is concentrated in fractures filled with dolomite. Sphalevite 0.5-1% galena 2% in one soluted buse sphalevite is characteristic yellow color Sample OF min. section where mineral. isolation In dolomite Fractures, hight alteration halo evident Light to Medium Grey Dolostone Breccia 33.29 24.38 Varies from 0.5-3 cm diffuse fragments usually comental by white dolomito, Some sections appear to be "Tectonic" preccia while others may be carbonate clastics. Sheet_2 4 of.

<u>_</u>___



DIAMOND DRILL RECORD

Property_NINA

Logged by <u>Mark Baknes</u> Date Logged <u>Oct 3190</u> Drilling Begun <u>Oct 1/90</u> Drilling Finished <u>Oct 1/90</u>

Hole Bearing	10g	· ·
Collar Dip Angle_	-44	
Dip Test: Depth_	ND	Angle ND
Total Depth	53.9.5 M	

Hole No. 90-3 Core Size_BQ Claim Group_NKA2 Location___WEST_VERNON_AREA

			structure	الوقو بمعتقد التارين	SAMPL	ES		tut et la		<i></i>	
FROM	TO	DESCRIPTION	STICE -	NUMBER	FROM	то	WIDTH	M. C. Star			
		Some sections have large dolomite + availlaceous (10cm) angular clasts Section has dravacteristic matted									
		angular clasts. Section has diavacteristic institled						•			
		texture							·		
		(24, 81-24.98) Chest? pebble condomerate (3-5mm duains)					· ·	<u>.</u>	 		
		(27.77-28.13) 5-10cm obbstone Fayal GLOUS angular							 		L
		chots.			· · · ·				 · · · ·	ļ!	<u> </u>
									 	<u> </u>	
3329	35.51	Dark Grey Massive to incipiently brecciated distance.							 	<u>↓</u> /	
								·	1.1.1.1.1.1	<u>↓</u> !	┝──
25.51	35.72	Has minor graphitic filling along fractures.							 	<u>↓</u> !	┝
		Has minor graphitic filling along tractures.							 	<u> </u>	┣
									 	├ ────┤	<u> </u>
35.72	39.83	Medium Over Massive Avanacears Dolostone							 	<u>├</u>	├
		Generally fine grained but some should sections of coause							 	<u> </u>	
		Medium Grey Massive Amnaceaus Dolostone Generally fine grained but some shout sections of coause grained avanaceous objectione Bedding / cove axis?	° ٥٦ن						 	l	<u> </u>
			1						 	<u> </u>	
27 32	41.25	Breciated Avanaceous Dobstme with Black Graphitic							 	 	
		Breccia Matrix.							 <u> </u>	<u></u>	<u> </u>
		Incipient to pervasive overciation with completic matrix. Section cut by extensive adomite gash fractives, core sizes	/120						 	<u> </u>	
		Section CU by extensive adomite gash thactures, cove sixis-	40						 [<u> </u>
11.20		Medium Grey Avanacous Dobstone.							 		<u> </u>
41.25	46.40	Similar to 35.72 - 39,183. but some minor brecciation			+						
		DIMILAN TO 35.12 - 59.183. BUT Some MIDOU DUPCCIATION						·	 		
		+ avgilbueeus sections						·	 		
1/ 1/2	47,49	Malin Dikan Mlad Romandal Dlatin	1						 		<u> </u>
-16.40	<u></u>	Medium - Dark Gien Marlowsteh Borerester Dolastonie			1				 		<u> </u>
	<u> </u>	white to brownish sparking Admite comput. Breccistion	1						 		<u> </u>
	l	Lighter they incypicat to marchately periodice.						ليستعد	 3		4

Sheet

		GEOLOGICAL LTD. Geological Services	DIAMOND	DRILL REC	ORD	F	Propert	ty <u>N</u>	INA			
ogge ate L rilling rilling	d by ogged Begu Finist	Mark Baknos Oct 4/90 Oct 1/90 ed_Oct 1/90	Hole Bearing Collar Dip Angle Dip Test: Depth Total Depth	109° 44 NDAngle_ 53.95 M	ND	Hole No. <u>90-3</u> Core Size <u>BQ</u> Claim Group <u>NICA 2</u> Location <u>WEST VERNON AREA</u>						
				1.1.1.2	SA	MPLES	1					
FROM			CRIPTION	structure	NUMBER FR	OM TO	WIDTH					
41.40	50.09	Park Grey Fine grained + La	instad Doloskne									
		cove bedding axis angle		70 °	<u>├</u> ────							
50.09	53.95		· · · · · · · · · · · · · · · · · · ·				++					
*		Medium Grey the Brecciste Breccistion is -aenorally moderately in giving a characteristic mattled texts to brownish dolomite.	11 developre tingues 75 spall te. Rueccia inativa is whit									
		•										

	BEATY	GEOLOGICAL LTD.	DIAMOND DI	RILL REC	ORD		∏ P	roper	ty	NNA			-	
gged	l by	Mourk Baknos)8¶ 14*			Hole	No	90-	4				
lling Iling	Begun Finish	Oct 4/40 Oct 1/90 ed Oct 1/90	Dip Test: DepthAbAngleND Total DepthSO.00 m				Core Size <u>BQ</u> Claim Group <u>NICA 2</u> Location <u>WEST VERNON</u>							
			CRIPTION	litrictive		SAMPL	ES		7.		PPM			
<u>ом</u>	то 4	iii_Casing			NUMBER	FROM	10	WIDTH	Pb	Zn	6e		F	
Ĺ	16.55	Medium Grey Massive Fine Generally massive texture but some	Grained Dolostone.										F	
		- fractures with mirrow alteration en	sometimes comprised of some										Ē	
		Massive purile that may or hay Sample: 2 to 3 % whispy h	not contain minor scheleitle. susses of Purite		44966		9.29			0.07			F	
		Sample: 3% pyr as whispy Sample: 3-5% pyrite as whis	py lenses also minor		44967 44968		10.23			0.04			F	
1 4 4	20.75	spalevite as isolated Light to Modium Grey Fine						- 	د بر د انو او رده				F	
<u>,,,,,</u>	20, 1	Dolostorie											F	
95	23.20	Dark Grey Massive Fine Gree	and the second										E	
20	26.72	Black Fined Grained Facsilife Fine provined methys with 5-19	12 .5-2 cm cumpiels										F	
70	20.04	+ lousriel fossil flagments											F	
, 72	27.75-	Modium to hight Grey Weak! Graphitic Morthix,	2 Drecciented Poins ion e		<								F	
1.75	30.28	Medicin Grey -Weakly !. Avan Cut by accaston I dolowinte from	aceous Dolostone								· ·		E	
2.27	41.76	Medium Grey Masare Medium to Co	arse Grained Aronaceous Dolosto	inel		<u></u>	•			••			E	
							sjo strije Stationalisticka Stationalisticka	د بر ایک بر ایک مصر دوری در		Sheet_		of	2	
	•										· · · · · · · · · · · · · · · · · · ·			



DIAMOND DRILL RECORD

Property MINA

Logged by <u>Mark Baknes</u> Date Logged <u>Oct 4 /ac</u> Drilling Begun <u>Oct 1 /ac</u> Drilling Finished <u>Oct 1 /ac</u>

Hole Bearing_____<u>089*</u> Collar Dip Angle__<u>44°</u> Dip Test: Depth___<u>ND</u>___Angle_<u>ND</u>____ Total Depth____<u>S0.00 m</u>____ Hole No. <u>90-4</u> Core Size<u>BQ</u> Claim Group<u>NICA</u> Location<u>West Vernen</u>

A TO 48.45	(36.00-37.02) Incipient breccrition, black availbreaus matrix.	structure	NUMBER			SAMPLES					
	(36.00-37.02) Incipient breachtion black		NOMBER	FROM	TO	WIDTH					[
48.45											
18,45	availlaceous matrix,						,				
48.45					_		ni;		·		
1 -101-12	Inripiently Brecinted Medium Grey Anavereeous Dolostone. Grey dobmite matrix										
	Dolostone.										
	Greu dolomite matrix										•
	(45,03-46.91) Davk arey breacrited anarriceous delostan	e								[
	* (46,91-48,45) Moderately to strongly brecciated			· .							
	is medium every fine availed blostone.									· · · ·	1
										L	ļ
	Mectium over Medium to Convse Grained Avaraceous			·							
HOLE	Dalastone.					· · · ·		·		ļ	ļ
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									L	ļ	ļ
				<u> </u>							ļ
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		·		<u> </u>							}
		!				<u>↓</u>					
						· · ·		••			
		I								'	
								Sheet_	_2	. of	2
								1 A		4	
		5 50.00 Mectium over Medium to Convise Grained Aramicrous HOLE Delectore.	5 50.00 Medium Covey Medium to Convec Ovained Avaroceous HOLE Delectore.	5 50.00 Mechium Covey Wiedium to Corivse Ovainal Avamicrous HOLE Dalastane.	5 50.00 Meclium Ovey Medium to Corivse Grained Aramicrous HOLE Delectore.	5 50.00 Meclium Over Medium to Convec Grained Aramcrous	5 50.00 Medium Covey Medium to Convec Ovained Avanceous	S 500 Mechium Covey Medium to Corivse Grained Aramecous	S 500 Mechium Covey Medium to Convec Ovained Avantecous	Store Medium to Convse Guained Avanaceous HOLE Dubretene. HOLE Dubretene.	S DOO Medium to Conve Guained Aramerous



DIAMOND DRILL RECORD

بالمتصدر المراجع

Property_NINA

Logged by____W Date Logged_____ Drilling Begun____ Drilling Finished__ Mark Baknes Oct 4/90 Oct 1/90 Oct 2/10

Hole Bearing	Hole No. <u>90-5</u>
 Collar Dip Angle44°	Core Size BQ
 Dip Test: DepthNDAngleND	Claim Group_NICA 2
 Total Depth	Location WEST VERNON AREA

			structure	<u> </u>	SAMPL			10	10	PPM		1
NON	TO	DESCRIPTION		NUMBER	FROM	TO	WIDTH	Рb	Zn	6e	ļ	1
0	4	CASING		ļ							<u> </u>	1-
4	17.00	O LA LA MOLANNA GUARA MALANA ENA GUARANT		[<u> </u>				ļ			+
		Delectore With Extensive Purite Minerilization Public occurs as mispy bands + lenses + possibly replacements of clasts. In some sections occurs							ļ	·	·	<u>ا</u> ن
		Public occurs as mispy bands + lenses + possibly			<u> </u>		ļ		· · · · · · · · · · · · · · · · · · ·	· · · · ·		
		replacements of clasts. In some sections occurs							1		[<u> </u>	<u> </u>
		5-10% + in one 300m section puicte is massive			·				<u> </u>	ļ		+
		>75% Invariably printe is very fine quainced			·						ļ	₋
		A therefore sphalerite may also be present.		<u> </u>								+
		(4-5 m) bladed + massive crustell acqueagter of bautle			<u> </u>							÷
		vertements at clasts. In some sections actus 5-10% t in one 30cm section puicte is massive >75%. Invariably puicte is very fille quained therefore spherite may also be presente (4-5 m) bladed to massive crystal aggregates of bartle Sample: 3-5% whispy purite associated with bladed havite		44969	8.6.5	8,85	0,20	0.01	0.09	0.1	 	<u> </u>
		basite.	<u> </u>	MET	1						l	┼╌
		Sample: So Puvite accurs as clasts or fragments within zone of defaulte + bavite inineration	ļ	44970	10.35	12.00	1.65	0.01	0.01	0.1	ļ	╀╌
		within archish green fine availed busineted sediment. Locks similar	<u> </u>	111.54	- <u> </u>				ļ			╇
	-	to bed exposed in Caninco trench#3+46 coveaxis/bedding	68°									╞
		Sample: 5% Puvite accus as clasts or fragments	1	44971	12.00	12.34	0.34	0.01	0.01	0.1		1
		within zone of dolomite + bavite ininevalization	1			ļ			<u> </u>	ļ		╞
											ļ	┢
17.27	21.62	Light to Madium Grey Fine Grained Massive Defestore.	<u> </u>	· · · · ·			<u> </u>		ļ		L	╞
		Definitione.	1				L				ļ	╇
			<u> </u>		· ·		ļ				ļ	┢
21.62	28.95	Massive Dark Grey to Black Five Grained Dolostone.	<u> </u>	ļ		· · · · · · · · · · · · · · · · · · ·	ļ		<u> </u>		ļ	╄
		–	<u> </u>	·			ļ		<u> </u>	<u> </u>	 	╀╴
19.95	27.85	Black Fine Grained Fossiliferrors Dalostone.	<u> </u>			ļ		J			 	╀
		2-10mm Crinoids account for 5-10%	ļ	ļ			l	ļ	<u> </u>	<u> </u>		╋
			1			ļ			l	 		╀╴
7,25	.35.7	Weak to Moderately Breccinted Dolostone, Medium Grey. Breccinit matrix both graphitic + Dolomitic Matrix	<u> </u>	<u>`</u>		l	l		·	<u> </u>		╀╴
		Breeciat matrix both anaphitic & Dolamitic Matrix	<u> </u>	l		ļ	ļ			ļ	1	ŀ
2-1	41.76	Medium Gren Medium to Coause Grained Delost	1	1	1		ł	1				L



. £.

BEATY GEOLOGICAL LTD. Consulting Geulogical Services

DIAMOND DRILL RECORD

Property_NINA

Logged by Mark Baknes Date Logged Oct 5/90	
Date Logged Oct 5/90	
Drilling Begun Oct 3/90	
Drilling Finished Oct 3 /90	

Hole Bearing	093°				
Collar Dip Angle_	44°			-	
Dip Test: Depth_	ND	Angle	VE	>	
Total Depth	47.8	SM			
			·		S

Hole No. <u>90-6</u>	
Core SizeBQ	
Claim Group NICA]	
Location BIDDY AREA	

			structure		SAMPL			10		PPM		
ROM	то	DESCRIPTION	30000	NUMBER	FROM	TO	WIDTH	የЪ	Zn_	Ge	· · ·	
0	4	CASING									L	L
4	6.27	Marine Fing Grained Medium Gran Delectore						*	·		<u> </u>	
		Some incipient breccintion with Jolomite A Graphitic matrix.			<u> </u>						L	
		matvix.			<u> </u>						ļ	-
							·		<u> </u>		<u> </u>	\vdash
5.27	7.20	Breccinted Fine Grained Medium Grey Dolostone.										
<u>~~</u>	_1172	Buggintian toward from invitient to entirely matrix supported.										
		Brecsiation ranges from incipient to entirely matrix supported. Matrix is white + grey dolomite. Minemization consists								14 A. A.		
		of 1-21% -phalanto accuming as mission pages patches									1. <u>1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</u>	Ŀ
		A veolaring come hypercia frequents. Purite is minor									L	L
		A replacing some breccia fragments. Purite is minore + is associated with sphaleutre as isolated irregular lenses.									L	L
		Sample: In zone at weak breccination sphalevite = 1% as	i	44972	6.20	6.53	0.33	0.01	2.84	1.3		
		diseminated fine glains + 1-2 mm patches + conispy										
		lawas also some immak privite									-	
		lenses, also some mignor pyrite. Sample: Weakly brecciated zone with 7% sphalevite occuring mainly as diseninated patches replacing fragments,	1	44973	6.53	6-87	0.34	0.01	2.54	1.3		
		accurate would be discurringted patches veologing tradments.	l									1_
		Divite is 72 as utions longer	1									
		pute is 3% as whispy lenses. Sample: Incipient to well breccisted matrix supported	· · ·	44974	6.87	7.15	0.28	0.01	0.36	0.2		
		breccia. Sphalevite < 1% fixely diseminated A replacing	1									
		some breccia fragments.										
		Some Direction Thinghe His.	1			· ·	[`		···	· ·		
	0.7.	Massive Light Gren, Fine Grained Dolostone.	1	. ·								
1.20	8.70	Illassive Agril Oven , I me Granter Designetes	· · ·			1			т., н	•.		
3.70	a 06	Well Brecciated hight Grey Fine Grained Dabstone.	1		1		. *		1.1			
5.10	9.95	Irregular matrix supported frequents with diffuse	1					· .	12	· .		
		boundaries with white dolomite matrix. (Cominco	1		1	1				¥4 87.5		
		uplace to as human ter largeria	1		1					1	× ~	
		Vefers to as Impregnated breccia Sample: Fragment Supported breccia with abundant graphit Sphalevite is < 13 finely disominated in Fragments,	<u> </u>	44975	8.70	9.25	0.55	0.01	0.36	0.3	2.57	-
	l	1 Sample: tragment supported overcia with abmolant abaptit	<u>r</u>		10.70							-



DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 5/90
Drilling Begun Oct 3/90
Drilling Finished Oct 3/90

Hole Bearing_____ Collar Dip Angle_ Dip Test: Depth__ Total Depth____ 093° 440 ND A 47.85 M Angle___ND · ·

Hole No. 90-6	
Core Size	
Claim Group <u>NICA</u> Location <u>BIDDY</u> AREA	

			structure		SAMPL			10		PPM		
ROM	то	DESCRIPTION		NUMBER	FROM	TO	WIDTH	Pb	zn	Ge	· · · ·	
1.95	14,13	Massive hight Grey Fines Grained Weakly Aranaceous Delostone. Generally Massive some incipient brecciation with guaphitic										
····¥		Generally Massive some incident brecciation with anophitic	L					~ ~		L		
		surfaces also some minor porvasive or well brecchated sections.								[l	
										ļ		
		anains, Breccia Fragments have onemate brownish find may be sphalerite.						L		[<u> </u>
		be sphalevite.	l					L	L	1	1.1. B	
		Sample: of 1% of galena + possible sphaloutle in breccin section		44976	13.78	14,13.	0.35	0.15	0.02	0.9	<u>``</u>	
									a oraș		<u> </u>	
.13	16.92	Dark Gren, Medium Grained Argunicous Dolostone.							L	L		Ŀ
	· · · · · · ·	Some sections weakly breachated .					· .	·		L		\bot
		and the second	1					l		ļ	 	-
92	19,50	Well Breccinted Aravaceous Dolostone	I						• 2.0	ļ		1_
10.10		Fragments + Matrix Indistinct has overal motiled texture.						L		L		-
		Some minor sphaleite occrima as fine grains diseminated	1							L		-
		throughout.	1							ļ	ļ	
		Sample: < 1% spheleitle in prechated Avanaceus Jusstone.		44977	17.29	17.69	0.40	0.01	0.71	0.9		
		(18.00 - 18.80) lincipient prescription anaphitic matrix		•						L	ļ	
		(18.00 - 18.80) lincipient precipition graphitic matrix Sample: 1-2% Sphalerite, discominated throughout		44978	18.80	19.22	0.42	0.01	1.39	1.0	L	
		will be any share construction	1								L	
1.50	23.47	Light Grey) Massive Avanaceous to Incipiently	1							L	ļ	1
		Burgerinter Doloctone						L		ļ	ļ	
		Typically has Wack graphitic Fracture coatings	1									<u> </u>
			1					I	ļ	ļ		
3.47	28.11	Light to Madium Grey Well Breccinted Avangeous	1				-			L		+
<u></u>		Delaster							· · ·			-
		Frankrints are angular + well defined, matrix is typically black in least brockated sections + grey dolomite when brecklation postposive or pervasive.	1. 1. 1.						· ·		<u> </u>	+
		black in least precision sections + aven dolomite when	1						••	L		_
		here notion postencine or pervasive	1.	•						<u> </u>	L	
ليسب	I		1						Sheet	2	of	3



DIAMOND DRILL RECORD

Property____NINA

Logged by_May	K Ba	knes	
Date Longed (Dct 5/9	10	· · · · · · · · · · · · · · · · · · ·
Drilling Beaun	Dets	<u>/90</u>	
Drilling Finished_	Oct 3	190_	

Hole Bearing	093°			
Collar Dip Angle_	440			
Dip Test: Depth	AID.	Anale	ND	
Total Depth	4000	m		

Hole No. <u>90-6</u> Core Size <u>BQ</u> Claim Group <u>NICA</u> Location <u>Biddy</u> Areq.

		ituder		SAMPL	ES		1.	10	PPM		
OM TO	DESCRIPTION	STRUCK C	NUMBER	FROM	TO	WIDTH	Pb	Zn	Ge		
.11 30.43	hight Grey Massive, Medium Grained, Incipiently to non Brecciated Argnaceous Dolostone.			<u> </u>							
11 20T2	to how Bugginted Avangrous Dolostone.				L		~				
							÷.				
43 32,0	The Medium Guey Well Brecciated Avanaceous Dolostone.					ļ					—
172 22.0	Destane						· · · · · · · · · · · · · · · · · · ·	· · · · ·	· · ·		
									· · · · · · · · · · · · · · · · · · ·		
	In all breccias the black matrix filling appears to cross cut adonite matrix. Commonly stylolites	· · ·			<u> </u>						
	thail officing in the matrix Commonly stubiles				•					· · ·	<u> </u>
	to coossical addrift in lovella onus lipsiques	1					Í			L	1
	to cross cut adonite matrix. Commonly stylenies also marked by graphitic / availlaceous residues are associated. May be that anaphitic breccion is a later process caused by compaction - tectonic compression. At 31.70 can see fragments of dolomite matrix represented to supported by graphit inatrix.										-
	ave associated. Illan be that avaluation - technic	1									
	Is a later process caused by compaction leave it			1	1			·			
	compression At SI. 10 Can see Iviaments of	2									
·	dolointle mature vebueccialed & supported in graphin	<u> </u>									
	matrix.		1		1	1					
				+							Γ
.00 44,60	blatt Gren Well Breccinted Fine Grained Dolostone Brecciation well developed and most after matrix is					1					Γ
	Brecciption well developed and most after matrix is				+		1				T
	spaven dolomite sometimes with a brownish kind										1
	priscipily representing presence a trace sulphides.		44070	-	120 /1	0.51		0 45	07		+
	spaven dolomite sometimes with a brownish kind possibly representing presence at trace sulphistes. Sample: Well developed dolomite matrix breecing with		44979	\$2.10	32.51	0.51	0.01	10,-12			+
	VIT AND INTO AN ALCOMMUNATED FUNP AVALUES ON	· · · ·									+
	the vins of breecia fragments. (38.10-38.50) Possible fault, finely around porous				+			<u> </u>		1	+-
	(38, 10-38, 50) Possible fault, finely around porous				ļ		<u> </u>	<u> </u>		<u> </u>	┢
	breccia.		<u> </u>				<u> </u>				+
			ļ				<u> </u>	 	<u> </u>	┼───	+-
40 47.85	Light Gren Massive Fine Grained to Insiplentin				. 			 			+
	Light Grey, Massive, Fine Grained to Insipiently Breachated Dolostone.	<u> </u>		_		- <u> </u>	·	 			+
ND HOLE	Directifici Oviostvilei						I				-

Sheet 3

DIAMOND DRILL RECORD

Property___NINA

Logged by May	K Baknes	
Date Logged	Oct 7/90	
Drilling Begun	Oct3	·
Drilling Finished_	Oct 3	

Hole Bearing_____OTA* Collar Dip Angle___44* Dip Test: Depth____ND____Angle___ND____ Total Depth______S8,20m Hole No. <u>90-7</u> Core Size <u>BQ</u> Claim Group <u>NICA</u> Location <u>BIDDY</u> AREA

			structure		SAMPL	.ES		1/2	%	PPM		
ROM	TO	DESCRIPTION	Succes -	NUMBER	FROM	то	WIDTH	Pb	Zn	Ge		
0	4	CASING				•			ļ		· .	
4					<u> </u>	l	ļ		<u> </u>			1
4		Massive Fine Grained Medium Grained Wedivin Grey					L	*	ļ			
		Delostone.			<u> </u>				ļ			<u></u>
		Cit he down to stringers & some minor incipient to							· · ·			
		male de pressiation with a lawite mating Muneralization consists			L		ļ		· · · · ·		· · · · · · · · · · · · · · · · · · ·	
		of Puvite + Sphalevite in 1-\$% sph + 3% puvite Puvite			l	ļ					l	
		of Puvite + Sphalerite in 1-5% sph + 3% pyvite Pyvite occurs as whatspy longer while sphalevite is typical among e, replacing Fragments. Sample: 3% replacement sph. 2-5% but much oxidized				·	· · · ·					-
		veplocing Fragments.					ļ		ļ			_
		Sample: 3% replacement sph. 2-5% but much oxidized		44980	5.18	5,45	0.27	0.01	2.41	1.3		-
		(6:93 -: 7.90) Incipiently brecciated Dolostone.				ļ	ļ	L	<u> </u>	· .	ļ	
		(6,05-7,90) lucipiently breccrated Dolostone.			1				<u>↓ ·</u>	and the second		_
		Sample: 3% veplacement sphalevite 4-5% pyvite as	1	44981	6.13	6.27	0.14	0.01	1.79	1.2		
		whispy hands in weakly breccipted dobstone.					L				ļ	
		Sample: Incipiently breachted section with carbonacrous		44982	6.93	7.62	0.69	0.01	1.08	0.9	ļ	
		laughitic matrix interroted by short adomite burite?	1				<u> </u>	<u> </u>	<u> </u>		· · ·	+
		moderatin brecciated heavily unrevalized sections. Puvil	+				<u> </u>					4_
		5-6 / as lenses fragment vin veplacements, sphalelite			<u> </u>		ļ	l				<u></u>
		2-3% as replacements + this lenses. Galera is minor										+
+		as isolated 1-2mm blebs.				1						4
		Sample: Weakly brocciated Section with 3% sphalevite as	1	44983	B'.07	8.36	0.29	0.01	0.67	0.5		
		patchy fragment veplacements.	i				1					
+			1				[ļ		ļ	-
9.25	10.92	Well Breccited Massive Dolostone With While Sparin							· .		ļ	
		Dolomite Matrix										+
		50% breezes is sparry dolomite matrix, impregneted					L	I	ļ			4-
		herein where fragment margins diffuse. Some						L				4-
		minevilization of sphalovita as disciminated veplacements			1							

on fragment vims.

Sheet_____ of_

DIAMOND DRILL RECORD

90-7 BQ

NICA 1 BIDDY AREA

BEATY GEOLOGICAL LTD. Consulting Geological Services
Logged by Mark Baknes
Date Logged Oct 7 /90 Drilling Begun Oct 3 /90
Drilling Finished Oct 3/90

Hole Bearing	078° 44°	Hole No Core Size
Dio Test: Depth	AD Angle ND SB.20m	Claim Group Location

Identify massive but some local incipient to well 20 minut Generally massive but some local incipient to well 20 minut Price quarted sections some sections carbin davk 20 minut Price quarted sections contain davk 20 minut (3.85 16.80) Section that remarks from incipient 20 minut breacter 20 minut generalized in the section of the remarks from incipient 20 minut breacter 20 minut diverse 20 minut <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>													
FROM TO Decomple: Decomple: <thdecomple:< th=""> Decomple:</thdecomple:<>				startine		SAMPL	ES		%	10			
Image: International granus on twantent warger Image: Im	FROM	TO	DESCRIPTION		NUMBER			the second s				· · · ·	
Image: International granus on twantent warger Image: Im			Sample: Well breccinted Section with < 1% sphalevite		44984	9.25	9,88	0.63	0.01	1.08	1.0	L	
10.92 17.07 Massive hight Guern Time Guernande Weakly Anamaceous Delastane: Delastane: Delastane: Mue grained: 1.200 possible vip up chats. (13.85 HABO) Section that remees two incripton breaches to academ well breached on impregnated breaches to academ well breached on impregnated breaches to academ well breached on impregnated breaches to academ with calcite stringers (13.85 HABO) Short bleached zone with calcite stringers (13.85 HABO) Short bleached caste as some 2-3cm 10.00 Hass Davk Grey Medium Guernade Breecing the breecing. 10.00 Hass Davk Grey Bleatene Anameceous Balatione. 10.00 Hass Davk Grey Bleatene Anameceous Balatione. 10.00 Hass Sphalerite cecurs finger discontered 10.00 Hass Sphalerite cecurs finger discontered 10.00 Jack & hight Crey Bleatene Anameceous Balatione. 10.00 Jack & Jack Bleatene Crew Shaler discontered 10.00 Jack & Jack Bleatene Crew Shaler discontered			as diseminated quains on fragment marging							<u> </u>			
Delectore. Greening messive but some local incipient to well byrecented sections, some sections ration davk (13.85 - 14.80) Section that requess two incipient (13.85 - 14.80) Section that requess two incipient (14.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short Breation (10.70) 18.35 Day Black + hight Oven Debetone, Avanceous Doltone, 19.35 21.50 Black + hight Oven Debetone, Avanceous Doltone, 19.35 21.50 Black +		·									<u> </u>	L	1. 50 1.
Delectore. Greening messive but some local incipient to well byrecented sections, some sections ration davk (13.85 - 14.80) Section that requess two incipient (13.85 - 14.80) Section that requess two incipient (14.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short bleached zone with celette stringers (16.50 - 16.70) Short Breation (10.70) 18.35 Day Black + hight Oven Debetone, Avanceous Doltone, 19.35 21.50 Black + hight Oven Debetone, Avanceous Doltone, 19.35 21.50 Black +	10.92	17.07	Massive Light Grey, Fine Guniupd Weakly Avanaceous								· · · · ·	14.00	
Generally messive but some beal incipient to well Image: Some sections carbing davk Image: Interpreted sections, some sections carbing davk Image: Image			Dolostone.		· · · · ·			· · · · ·			· · ·		• • <u>h.</u> .
breccisted sections, some sections carbin dark fine grained, 1-2cm consister vio claste. (3:35-14:80). Section whet were strom incipient breccis to appendix well breccisted or impregnated breccis. (3:55-14:80). Section well breccisted or impregnated breccis. (3:55-14:80). Section well breccisted or impregnated breccis. (3:55-16:0). Short bleached zone with calcite stringers f. visible alteration Cove / badding axis angle 1007 11:07 12:32 Davk Gren Medium Guaineel Breccisted Annacceoust 11:07 12:32 13:00 14:00 15:01 16:02 16:03 16:04 16:05 16:05 16:07 16:08 16:09 16:09 16:09 16:09 16:09 16:09 16:09 16:09 16:09 16:09 16:09 16:09 16:09			Generally massive but some local incipient to well								<u> </u>	24.2	Sec. and
fine grained 1-2cm possible in up up clasts. (13.85-14.80) Section that remains from incident breacher			Inversigated sections some sections contain dark									· Series	
breccia to cool or well brecciated or impregnated Overcia. (16.50-16.70) Short bleached zone with calcite stringers (17.07) 18.35 Davk Grey Modium Grained Breccisted Annacceus 17.07 18.35 Davk Grey Modium Grained Breccisted Annacceus 19.05 Davk Grey Modium Grained Breccisted Annacceus 19.05 19.05 19.05 19.05 19.05 19.05 19.05 19.05 19.05 19.			fine anninged 1-2cm possible vip up clasts.							1	<u> </u>		
breccia to cool or well brecciated or impregnated Overcia. (16.50-16.70) Short bleached zone with calcite stringers (17.07) 18.35 Davk Grey Modium Grained Breccisted Annacceus 17.07 18.35 Davk Grey Modium Grained Breccisted Annacceus 19.05 Davk Grey Modium Grained Breccisted Annacceus 19.05 19.05 19.05 19.05 19.05 19.05 19.05 19.05 19.05 19.			(13.95-14.80) Section that values from incipiont								1		•
Image: Direction Image: Direction (16.50-16.70) Short bleached zone with calcite stringers t Visible alteration Cove / babling axis angle 70° 17.07 18.35 Dark Grey Modium Grained Brecciated Avanaceous! 1 17.07 18.35 Dark Grey Modium Grained Brecciated Avanaceous! 1 17.07 18.35 Dark Grey Modium Grained Brecciated Avanaceous! 1 17.07 18.35 Dark Grey Modium Grained Brecciated Avanaceous! 1 17.07 18.35 Dark Grey Modium Grained Brecciated Avanaceous! 1 17.07 18.35 Dark Hight Cover Delostone Avanaceous Delotone. 1 18.35 21.30 Black + hight Cover Delostone Avanaceous Delotone. 1 Angular blacks + clasts 15-tem of light area + black 1 Catherates in matrix of avanaceous Delostone. 1 Section have scensbring dolonite matrix 4 in these 1 Zones Sphaleithe accurs. 1 Sample: 1-32. Sphalerite accurs. 1 In aganaceous watrix and as higher anatrix anatel securated 1			hypercia to good or well by erciated or impreguated										1. A. A. A.
(16.50-16.70) Short bleached zone with calcite strungers 1 <td></td> <td></td> <td>hvercha</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>245 . 41 1</td>			hvercha										245 . 41 1
+ visible alteration 70° Cove / badding axis angle 70° 17.07 18.35 Dalostone. May be becchated by eccented Avanaceous! 17.07 18.35 Dalostone. May be becchated clastic as some 2-3cm fine avained availaceous clasts? in the by eccia. 18.35 21.30 Black + hight Oven Doloctone. Avanaceous Dulottone. and Availlaceous Clastic. Dolostone Anaular hilosks + clasts Anaular hilosks + clasts carbonates in wating of avana pour dolostone. Some zones sphalerite occurs. Sample: 1-32. Sphalerite accurs finely diseminated Adapticaceous trainated filegenerit in anaucross wature and as higher and filegenerit in anaucross wature and as higher associated			(1450-16.70) Short Weached zone with calcite stringer	5				1. A. A.			124		C
Cove / badding axis angle 70° 17.07 18.35 Davk Grey Medium Guained Brecchted Avanaceous Dalostone. That be brecchted elastic as some 2-3cm 1 Ino avained availaceous clasts? in the breccht. 1 Ino avained availaceous clasts? in the breccht. 1 IB.35 21.30 Black + hight Oven Delostone. Avanaceous Dolottone. Anaular Hlacks + clasts 15- tem of light aven + black Anaular Hlacks + clasts 15- tem of light aven + black Cover Sphalerite accurs. 1 Sample: 1-32. sphalerite accurs. In anaucrous watur and as higher avande fragment 44985 In anaucrous watur and as higher availe fragment 11.15 One sections 1			t visible attending										
17.07 18.35 Davk Grey Medium Guained Brecinated Ananaceous Dolostone. They be becched elastic as some 2-3cm fine avained availaceous clasts? in the brecchen. 18.35 21.30 Black + hight Oren Dolostone, Avanaceous Dolottone, and Availaceous Clastic. Dolostone Angular blocks + clasts 15-1cm of light area + black carbonates in matrix of avanaceous dolostone. Some section have secondary dolonite matrix 4 in these Zones sphalerite accurs. Sample: 2-32. sphalerite accurs finely diseminated Magnaceous matrix and as higher grade fragment herefore the sine section of light area to the section of the section have and the section have a some sphalerite accurs finely diseminated herefore some secondary and the section as one for the section of the section have a some section the section of the section have a some section the section of the section of the section have a some section have a some section have a some section of the section of				170°							· · ·		
17.07 18.35 Davk Grey Medium Grammed Streechated Alamareous Dolostone. May be hereinted ebstic as some 2-3cm				1		۰.					· · ·		
Delostone. May be blecinted ebstic as some 2-3cm fine available delaterous clasts? in the breccia. 18.35 21.30 Black + hight Over Deloctone, Avanaceous Delottone, and Availloceous Clastic. Delostone Anaular blocks + clasts 15-tem of light aven + black carbonates in matrix of avanaceous delostone. Some section have secondary delonite matrix + in these zones sphaleite accurs finely diseninated Sample: 2-3?, sphaleite accurs finely diseninated in avanaceous halvix and as higher grade fragment in avanaceous halvix and as higher grade fragment	TO. TI	10.20	Davk Grey Medium Grained Brecchated Avanaceous	1							÷ 1	· · · ·	
fine availated availateous clasts? in the breccia. 18.35 21.30 Black + hight Over Dobstone, Avanaceous Dolottone, and Availlaceous Clastic, Dobstone Angular hlocks + clasts 15.7 Angular hlocks + clasts 16.35 21.30 Black + hight Over Dobstone, Avanaceous Dolottone, and Availlaceous Clastic, Dobstone Angular hlocks + clasts 15 - tem of light great black carbonates in matrix of avanaceous dolostone. Some section have secondary dolonite matrix + in these Zones sphalerite accurs. Sample: 1-32. sphalerite accurs finely diseninated Healacenests in sections of logication associated	THE	10.35	Delastona May be horisted electic as some 2-3cm	1		T							
18.35 21.30 Black + hight Oven Doloctone, Avanaceous Dolottone, and Availlaceous Clastic. Dobstance and Availlaceous Clastic. Dobstance Angular hlacks + clasts 15-tem of light aven + Wack carbonates in matrix of avanaceous dolostone. and these section have secondary dolonite matrix + in these and these Zones sphalerite accurs. and the secondary dolonite matrix + in these Lock : 1-32. Sphalerite accurs finely diseminated 44985 20.00 21.15 1.15 0.01 2.66 2.0 In avanaceous halvis and as higher amate fragment and the secondary Lock in avenaceous of brack and is proteined 44985 20.00 21.15 1.15 0.01 2.66 2.0			time mineral availageous clasts? in the breccier.	1									
and Availlaceous Clastic. Dobstone Angular blocks + clasts 15-1cm of light grent black Carbonates in matrix of avanageous dolestone. Some carbonates in matrix of avanageous dolestone. Some section have secondary dolonite matrix + in these Zones sphalerite accurs. Sample: 2-32. sphalerite accurs finely diseminated In guanageous hatrix and as higher grade fragment Leplagements in sections of lovecciation associated		}	The granted suggest the second	1		1							
and Availlaceous Clastic. Dobstone Angular blocks + clasts 15-1cm of light grent black Carbonates in matrix of avanageous dolestone. Some carbonates in matrix of avanageous dolestone. Some section have secondary dolonite matrix + in these Zones sphalerite accurs. Sample: 2-32. sphalerite accurs finely diseminated In guanageous hatrix and as higher grade fragment Leplagements in sections of lovecciation associated	10.20	71 70	Black + light Over, Doloctone Avanaceous Dolottone.	1		1							
Angular blocks + clasts 15-tem of light great black carbonates in matrix of avanageous dolostone. Some section have secondary dolonite matrix + in these zones sphalerite accurs. Sample: 2-32. sphalerite accurs finely diseminated in granacrous matrix and as higher grade fragment Leplacements in sections of breeccation associated	18,25	12000	place + high credy thester plactore	1	1								
carbonates in matrix of avanageous dolostone. Some section have secondary dolonite matrix 1 in these zones sphalevite accurs. Sample: 2-32. sphalevite accurs finely diseminated. In guaracrous matrix and as higher grade fragment. Leplacements in sections of breeccation associated.			Available to block a classic prosting of light over a Wark	1		1							1 2 -
Section have secondary dobrite matrix + in these zones sphalerite occurs Sample: 2-32. sphalerite accurs finely diseminated 44985 20.00 21.15 1.15 0.01 2.66 2.0 In gianacrous matrix and as higher grade fragment Leplacements in sections of breeccation associated		<u>}</u>	Angular dibers + consis is north of delastage. Some	1									
Zones sphalevite accurs. Sample: 2-32 sphalevite accurs finely diseminated. In guanacrous matrix and as higher grade fragment. Leplacements in sections of brecciation associated.		<u> </u>	cauponales in water of available in the solution of in these	1						1			
Sample: 2-32 sphaleville accurs finely diseminated 44985 20.00 21.15 1.15 0.01 2.66 2.0 In granacrous matrix and as higher grade fragment heplacements in sections of brecchation associated		<u> </u>	Section have secondary doronite values + ++++++++++++++++++++++++++++++++++	1		1							
in quanacrous matuix and as higher grade fragment			Sunday 2-29 childred occurs finals discounted	1	2498C	20.00	21.15	1.15	0.01	2.66	2.0		
veplacements in sections of brecciation associated		}	ample: 1-3% spralering and a funder furgement	1	1 rues	1		¥		1			÷ 4
1 1 replacements in sections of precision association in the section of the secti		<u> </u>	In quanacreus majuix and is night group surger	<u> </u>	l				1	1			
	L	I	with sparry dolonile.	1	1		I	h	L	Cheet	2		4

with sparry dolomite.

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DIAMOND DRILL RECORD

Property_NINA

Logged by Mark	Baknes
Data Longed OCT	// 10
Drilling Begun Oct.	3/90
Drilling Finished_Oct	3/90

BEATY GEOLOGICAL LTD. Consulting Geological Services

> Hole Bearing_____018* Collar Dip Angle___44* Dip Test: Depth____ND___Angle___ND___ Total Depth_____S8.20

Hole No. 907	
Core Size BQ	
Claim Group NIC+1	
Claim Group NICAL Location BIDDY AREA	

بالمحادث والمحاد

		structure		SAMPL			%	10	PPM	:	
ROM TO	DESCRIPTION		NUMBER	FROM	TO	WIDTH	Pb	zn	Ge		
21.30 25;								ļ	ļ		ļ
21.20 23.	Incidentity Represented Dolostone.							ļ	Į	L	
	incipient breccia has carbonaceous matrix minou sparry adamite Massive,							ļ	ļ	L	<u> </u>
	spann admite							 		L	<u> </u>
								───	↓		·
26	642 Davk Grey to Black Fined Grained Dobstone			ļ			 				
m les	with Minor Coarse Clastic Component.						<u> </u>		+		<u> </u>
	Fine grained Davk matrix supports 10% whi	te				· · · · ·	<u> </u>				
	642 DAVE Grey 13 CHALL FILE Component. With Minou Coause Clastic Component. Fine grained Davk Matrix supports 10% white 0.3 - 2cm white, possibly fossil Fuggments	·			·		 	+	<u>+</u>		<u> </u>
				<u></u>			 	+	+		†
6.42 29	1.29 / Light Grey Medium Orained Incipiently Brea	LATER - AB				·		+	+		<u> </u>
	Avanaceous Dolostone, cove axis / beddin	25/15 170						+	+		<u> </u>
			· · · · · · · · · · · · · · · · · · ·				╂─────	+	+		t
9.29 32	2.21 Davk Grey (Mottled Grey-Black + White) Bre	cciated						+	+		
	Tolostano -						 `	+	1	t	
	Both conven dolomite & abundaril (aubonactous)	main		+		<u> </u>	 	+	+	t	1
	and in this housed texture fragments & man				<u> </u>		+	+	+	 	1
	VIII I I O a contrar with aventer alway						+	+	+	1	
	of source, a delouiste is unevalized with 2705	sphal-1					<u>+</u>	+	+	1	1
	wite dissiminated within breccial traiments		44986	30,29	20 52	0.24	0.01	1.49	2.0	1	1
	Sample: 1-2% sphileinte	<u> </u>	44-106	130.27	20,00	10.24	1000	+	10.0		1
		1				1	1	+	1		1
32.21 38	8.95 Medium Brey Well Breccinted time Grained Dolo	STONE			<u>+</u>		<u> </u>	+	1	1	
	8.95 Medium Grey Well Brecciated Fine Grained Dolo Generally dolomite matrix but & some carbonaced	<u> </u>			1		+	1	+		
	in and in commun depute the cortions thanks			+			+		+		
	Indistinct with difuse margins. Minor sphalente n	Inerall			1	1	1		4.		
	Zoition < 1% as diseminated grains on tragment i Sample: < 1% sphalevite	1mb. 1	44987	33.11	35 82	7.76	0.01	0.22	0.4		
	Sample: <1% sphalevite		17101	133,01	100.01	1 4:40	<u> </u>		_3	of	4

14 .



DIAMOND DRILL RECORD

Property___NINA

Logged by Mark Baknes	
Date Logged Oct 7/90	
Drilling Begun Oct 3/90	
Drilling Finished Oct 3/90	

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Hole No. <u>90-7</u> Core Size<u>BQ</u> Claim Group<u>NICA</u> Location<u>BIDDY</u> & REA

			تم ز بارا		SAMPL	ES		·	· · · · ·			
FROM	TO	Medium Grey DESCRIPTION	structure	NUMBER	FROM	TO	WIDTH			[1
3895	49.45	V Incipient to Well Breccinted Fine Grained D. interview and Re-breccint Sparry admite breccia,	plastone									1
		new and replace our mentile and Re-buccie	trad					· • •				
		Spawy admite breccia,								·		
		Many fragments represent sparry dolatite + has been represented " + filled with carbon	hat									
		has been "rebrecciated" + filled with carbone	crous	· · · ·					1		1.5	
		matrix. Abundant Stylolytes is second bucciation represents dissolution of original bucciat dolos	on						1.19		L	
		represents dissolution of original brecking + dolos	one.								ļ	ļ
				1							ļ	ļ
49,45	50.45	hight Gren, Massive, Fine grained to Incipient Brecciated Dolostone	19								ļ	ļ
		Brecciated Dolostone										ļ
										· · · · ·	 	ļ
SOAS	\$2.03	Medium Grey Moderately Well Brecciated S Avan	aceous	?			<u> </u>				 	ļ
		Medium Grey Moderatch Well Brecciated - Avan Dolostone, with Dominantly Carbonacoos Matrix			+						<u> </u>	
52.03	52.73	hight Grey, Massive, Fine Grained, Incipiently Brecciated Dolostone.						·				
		Brecciated Dolostone.								·	<u> </u>	
				······								
52.73	57.50	Medium Guen Well Brecciated Dobstone. Aburdant sparing dolomite matrix but this re- quith by carbonaceous matrix breccia		·								<u> </u>
		Abundant spaces dolomite mature but this be-	breaciated	·								
		twith by carbonaceous mature bueccia										
	-+			·								
	58.20		<u></u>									<u> </u>
END	HOLE	hight Grey Massive Fines Grained, Incipient Brecciated Dolostone,	13	· · · · ·			<u> </u>					
		Brecciated Dolostone,		<u> </u>								
					+	<u>.</u>						
									••			· · · · ·
					1							
		L		1	1	L	land the second			<u>```</u>		//

Sheet 4 of



DIAMOND DRILL RECORD

Property_NINA

Logged by Mark Baknes	
Date Logged Oct 7/90	· •
Drilling Begun Oct 3/90	
Drilling Finished Oct 4/90	

Hole Bearing <u>101°</u> Collar Dip Angle<u>46°</u> Dip Test: Depth<u>ND</u>Angle<u>ND</u> Total Depth<u>53,95 m</u>

Hole No. 90-8	· .
Core Size BQ	
Claim Group Nict]	÷
Location BIDDY AREA	

			tructure	and the second sec	SAMPL	ES	11	%	%	PPM		
ROM	TO	DESCRIPTION	inucio -	NUMBER	FROM	TO	WIDTH	Plo	Zn	Ge		
0	4	Casina										
<u> </u>		<u> </u>										
4	9.30	Davk Grey, Massive, Fine Grained ; Dolos'one						3		•		
		Very few ablamite Avingers,				- -						
				•		1. A. 2				1 A. 1	• • •	
.30	12.00	Medium Grey, Massive, Fine Grained Doostone.				•		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -				: 27
	-12.00	Generally massive, but minevalized sections are									1. 19 A.	
		incipiently breccinted Minevalization : Sphalevite	and the second									
		occurs as patchy replacements of fragments and								1		
		as envelopes around dolomite stungers. In this habit		· · · ·	1.							
		occurs S's, also finely diseminated solulerite < 16	<i>.</i>									m.~,
		BICCURS STA, ALSO FINELY ALBERTIAL OF THE LIGHTER			N						1.1.1	
		Galena accurs as coarse curstals in doante ventels 5% that cut diseminated sphalente mineralization.			1				[1
		Distance of allogenivales sprateville children contract							1			
	{	Purite is have occurring as fine quained patches associated with sphalerite.							<u> </u>			1
		associated with spherite		44988	9.12	9 25	0.23	001	7.08	10.2	1.1	
		Sample: 8% sphalevile both diseminated A as		47100	<u>+ "```</u>	11.5.2	0.45	0.01	1 100			
		replacements of tragments in incipient bucch	1	449B9	9.35	10 70	0.43	0.01	216	22		
		Sample: 1-2% very finely diseminated sphalevite		77781	1.35	ICIY-ID	0.45	0.01	12110	1216	$\rightarrow \downarrow$	<u> </u>
		in massive dolostone cut bu dolomite									+-f	<u> </u>
		Sample : B% Sphalevite as Fragment replacements		44990	10701	10.00	022	0.01	1010	11.2	+	
		Sample : B'6 Sphalevirle as Fragment replacements		+4970	1.10-	10.00	0.22	0,01	10.65	11.5		
		in incipiently brecciated section. 1		44991			- 00		0.10	0 1	~~~+	<u> </u>
		Sample : < 1% sphatevite finely diseminated in massive		44 191	10,00	10.92	0.92	0.01	0.19	0,4	/_	
		delestone.	<u></u>						<u> </u>			
									<u> </u>			
.00	12.48	Moderately Well Brecciated Equivalent of 9.30-12.00	· · · · · · · · · · · · · · · · · · ·		+			·	<u> </u>			├
		Spaven Dolomite matrix ~ 15%		1 1000	+			1.1				
		Sample: 1-2% sphalevite disenanted & rimming breccia fragments		44992	12.00	12.50	0.50	0.01	0.42	0.5	of	4

Consulting Geological Services Logged by Mark E. Baknes 90-8 101 Hole No. Hole Bearing_ Date Logged Oct 7:/90 BQ 46 Core Size___ Collar Dip Angle_ NICA 1 Drilling Begun Oct 3/90 Dip Test: Depth___ND___Angle__ND__ Claim Group_ 53.95 m BIDDY AREA Drilling Finished Oct 4/90 Location____ Total Depth_____ SAMPLES PPM 5. structure DESCRIPTION NUMBER FROM TO WIDTH Ph Zn Ge -554 FROM TO Medium Grey, Massive, Fine Grained Dolastone 100 12.48 13.05 (Same as 9.3-12.0) . Well Brecciated Medium Grey, Massive, Fine Grained 13.05 14.52 * Dolostone. aves Matrix is white sparry dolamite 30-35% frequents ---ave irregular, 0,5-4cm, and have distinct margins, Sphalevike mineralization varies from 1-42 as - ---------Fragment veplacements Sample: 1% sphalevite discuinated on avain margins 44993 13.05 13.56 0.51 0.01 1.41 1.6 44994 13.78 1452 0.74 0.01 2.23 3.6 Sample : 3% sphalevite, diseminated on avain boundaries (Photo) and replacing whole availing Medium Grey, Massive, Fine Grained Dolostone Some Incipient prescriation 14.52 16.00 Weakly Brecciated Medium Grow, Fine Grained Dobstane 16.00 17.65 5-10 to sparry dolonite matinx traces of upllow sphalevite in adomite stringers 1 Light Gren, Massive Fine Grained, Weakly Avanaceous 21.90 17.65 Dolostone Some minor precesation one at which is mineralized with 10 10 Duvite 18.75 19.04 0.29 0.01 0.15 Sample ; Weakly brecciated zone adjacent to avavaceous 44995 0.4 section Avanareous section mineralized with S-10% phyite as diseminated avains, patchy replacements 4 • whispy lenses 4 Sheet_ of

BEATY GEOLOGICAL LTD.

DIAMOND DRILL RECORD

Property_NINA



DIAMOND DRILL RECORD

Property NINA

Logged by <u>Mark Baknes</u> Date Logged <u>Oct 7/90</u> Drilling Begun <u>Oct 3/90</u> Drilling Finished<u>Oct 4/90</u>

Hole Bearing	101				
Collar Dip Angle_					
Dip Test: Depth_		Angle_	ND		·
Total Depth	53,95	<u>m</u>	<u></u>	· · · · · · · · · · · · · · · · · · ·	

Hole No. <u>90-8</u> Core Size <u>BQ</u> Claim Group <u>NICA I</u> Location <u>BIDDY</u> AREA

		DECODIDION	itricine									
ROM	то	DESCRIPTION		NUMBER	FROM	TO	WIDTH	en an				
		(20.92 - 21.17) Medium quey medium quain avanaceous										
		section										
								, A		·		
1.90	25.60	Davk Grey Medium Grained Aranaceous Dolostone.						1.8.2		· · · ·		
	0-10-2	Cenerally avanaceous but short sections of fine quained						1993 A.	<u> </u>			
		diastone, minor brecciation, and varely fine grained									L	
		quarter sedimentary clasts.		1								
	7.5	(24.30-25.10) Light Over brecciated avavaceous		n en	1		2854					
		destance lunging I to motorately previouted. Theres					a da sa		1.1			
		of yellow sphalevite in dolomite matrix.		-			4.1					
		cove axis/bedding	07 I		1							
	26.82	hight Green Bedderd Fine Grained	1		suter ta	an an an ta	· · · · · · · · · · · · · · · · · · ·	يكشجن مذره	and a state of	1. N. 1		·
5,60	20.04	With Minov, Madium Ovained Avavaceous Component										
+		Polostone.	1		1					1		\square
			1									1
	77.74	Davk Grey Medium Chained Aravacrous Datastone	1		1		1			1		
4.82	33,74	(Similar to 21,90-25.60)	1	·····	1		1					Γ
			1	h'm	1	1	1					Γ
	20.00	Walter to hight area being the Remeriated Westin	1		1							Γ
33.74	58,28	Medium to hight over incipiently Brecciated Weakly Avanaceous Dobstone, with dominantly black carbona.			1	[1				· · ·	T
	<u> </u>	ceous matrix.	1		1		+			1		Γ
		Some minor spanny dolomite matrix.	1		1		+		1	1		t.
		Some minor spavoy abidmite mature.	1				1			1		\square
			1					<u> </u>				
8.28	38.50	Davk Grey Mottled Brecia.	<u> </u>		+		+			 		\vdash
		Indistinct Fragments & insitiix may be rebreicisted				<u> </u>		h				1-
		sparry dolomite breccia, is rebbrecciated tothey		<u>``</u>		<u> </u>				<u> </u>	<u> </u>	
		carbonaceous breccia.		 	<u>+</u>	<u> </u>	+	·				⊢
			1	· · ·	1	L	1	L			L	5

Sheet_3___ of__



DIAMOND DRILL RECORD

Property___NINA

Logged by Mark Baknes	
Date Logged Oct 7/90	
Drilling Begun Oct 3/90	
Drilling Finished Oct 4/90	

Hole Bearing____IDI* Collar Dip Angle__4<u>6</u>* Dip Test: Depth__<u>ND</u>___Angle_<u>ND</u>___ Total Depth_____53.95 m_____ Hole No. <u>90-8</u> Core Size <u>BQ</u> Claim Group <u>NICA 1</u> Location <u>BIDDY AREA</u>

		DESCRIPTION	تم إ. با.	gan sa ana	SAMPL	ES	1.1.1.1.1.1	1.00	• •	•		
FROM	TO	Descrittere	STILCEU.	NUMBER	FROM	то	WIDTH	1. 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 199 1. 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997			·	
the second se	53,95	Medium to hight Grey Incipient to EB Moderately Brecciated Fine Grained Dobstone,										
END	HOLE	Brecciated Fine Grained Dobstone.										
PICO	1.040	Both a carbonaceous & society adjointe matrix.						1.8		·		
		(45.95-47.61) hight Grey Wassing Unbuesciated.	·									<u> </u>
		Both carbonaceous & sparry dolomite matrix. (45.95-47.61) hight Grey Massure, Unbrecciated, annaceous dolostome.		· ·							1.25 1.14	10 MAR
		(51.35-52.50) hight Grey Massive, Unbreasted aranaceous dolostone. (52.85-53.50) Light Grey Sparry dolomite breasing Why also be recrustalized forsiliterrous packetone Since come fragments resemble armoids		•		·			a de la composición de la comp			•
		avanaceous dolostone.		-	and the second							
		(52, 85-53,50) Light Grey Sparry dolomite breacing				a sa	· · · ·	Sec. A. S. S.		·		
		Why also be recrustalized fossiliterrous packatone					1				· · ·	
		since some fragments resemble crincids							L	L	<u> </u>	4
			1							· · ·	<u> </u>	1
			1	·		· ·			tour ore	· ·		
	<u> </u>											
	[1									
	1									·		
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	<u> </u>											
	t			· ·								
			1		1				·-			·
L	<u></u>							·				1

Sheet 4

of



DIAMOND DRILL RECORD

Logged by Man	K Bak	ches	
Date Logged	OCT D	120	
Drilling Begun	OCT 4	MO	
Drilling Finished_	Oct4	190	

Hole Bearing	083°	61	
Collar Dip Angle_			
Dip Test: Depth_		Angle	IVD
Total Depth	50.90 m		

Hole No.	DDH	90-9	
Core Size			
Claim Group	NICA	1	
Location	BIDDY	Avea.	

			structure		SAMPL			7.	10	PPM		
FROM	то	DESCRIPTION	Surger -	NUMBER	FROM	TO	WIDTH	Pb	Zn	6e		
0	4	CASING								 	·	L
4	7.32	Modium Gren Massive Fine Grained Dolostone with					ļ		ļ			
		Modium Oven, Mossive Fine Grained Dolostone with minor dolomite strungers.					L	.2.		·		· · ·
		-core axis/dolomite stringers (400-4:10) dolomite vug with isolated coarse crystals	200				·	<u> </u>				<u> </u>
•		(400-4,10) dobuite Vug with isolated coause cuystals		ļ	<u> </u>	L		1.4				<u></u>
		galena.		· · · · · · · · · · · · · · · · · · ·	<u> </u>	·						<u> </u>
		>		<u> </u>	ļ	[· · · · ·			3
7.32	12.34	hight Grey Well Brecciated Dalastone.	<u> </u>				ļ	· · · · ·	<u> </u>	L		
		Spairing dolomite 30%, supporting frequents with Fairing distinct boundaries, Brecciation discontinuous with unbrecciated Sections	·		<u> </u>		ļ	ļ		·	•	
		Fairly distinct boundaries, Brecciation discontinuous	·					ļ		_	<u> </u>	
		with unbrecciated Sections	[· ·	· · ·	ļ		<u> </u>		ļ	
		(B.23 - B.77) Wassive unbreachated hight Greg Fine grained	ļ			· · · ·	<u> </u>		<u> </u>		1	
.					<u> </u>				 	ļ		
		(11.28-11.32) Dolomite vug with coause onleva crystals			 						 	
		(11.28-11.32) Dolomite vug with coause paleva crystals Sample: This Section is finely brecciated + bleached dolostone with 2% Finely diseminated sphalerite Sample: 3% purite as irregular venuets" about fragment manjus; sphalerite is < 1% finely diseminated.	<u> </u>	44996	11.92	12.05	0.13	0.01	1110	0.1	<u> </u>	
		dolostone with 2% Finely diseminated sphalevite	!		ļ							
		Sample : 3% putte as inregular veinlets" along fragment		44997	12.05	12.34	0.29	0.01	0.3	0.1		
		mainins; sphalevite is <1% finely diseminated	<u> </u>	ļ	ļ	 	·	 	 		<u> </u>	
			1	<u> </u>	<u> </u>	ļ	<u> </u>	 	 			
12.34	17.30	Light Grey, Massive Fine Grained, Slightly Avanaceous	<u> </u>	_		ļ		 	<u> </u>	<u> </u>		┼───
		Light Grey, Massive Fine Grained, Slightly Avanaceous Dolostone	1		 		<u> </u>		Į			
		cove axis / bedding	68°	<u> </u>		ļ	<u> </u>	 				
		local minor breachation and sedimentary clasts.	<u> </u>	114900							<u> </u>	
		local minor brecciation and sedimentary clasts. Sample: 126 sphale vite finally diseminated in		44998	116.35	116.73	0.38	0.01	0.15	0.1		
		avahaceous section; purile 2% as isolated fine	<u> </u>		<u> </u>	 			<u> </u>			
		avahaceous section: pyrile 2% as isolated fine avahaceous functive fill.		<u> </u>	 	 	<u> </u>	<u> </u>	<u> </u>	<u> </u>		
			<u> </u>	·					<u>··</u>			
30,71	19.42	Dark Gren, Bedded, Coarse/Medium Grained Avanaceous	<u>}</u>	l	1	L		L	I	L	L	
		Dolostone	•						Sheet.		_ of	<u> </u>



DIAMOND DRILL RECORD

Property_NINA____

Logged by Mark Bak	(nes
Dete Longed Oct 8/90	
Drilling Begun Oct 4/	90
Drilling Finished_Oct 4/	90

Hole Bearing_____083° Collar Dip Angle__<u>44°</u> Dip Test: Depth__<u>ND</u>___Angle_<u>ND</u>___ Total Depth_____*SO*.90 m

Hole No. 90-9	
Core Size BQ	
Claim Group_NICA	
Location_BIDDY	AREA

			itucive		SAMPL	.ES		%	% .	PPM		
ROM	то	DESCRIPTION	STRUCTU: -	NUMBER	FROM	TO	WIDTH	Pb	Zn	Ge	·	
<u> </u>		the bedding pavallel discontinuous lenses of spavin dolomity										
		has bedding pavallet discontinuous lenses of spaving dolomit- giving motified texture. Some large fine grained sed. clasts.										
		Sample, 1-29 Sphalerite finely diseminated in coarse aba-		44999	17.30	18,42	1.12	0.01	0.72	0.4		
		naceous sections										
					·			· · · · ·	1.000	· .	· ·	<u> </u>
1.42	19,88	Well brecciated dolostone with Indistinct Fragments about			· ·					<u> </u>		
		dant spavin dolomite	l		<u> </u>	• • •		L				<u> </u>
		2Second stage brecking has carbonaceous matrix.			A State	<u> </u>		1972				<u> </u>
		0	ļ			<u>.</u>					· · ·	<u> </u>
1.88	20.28	Uniprently Brechated light Grey Fine Grained Dolostone With Carbonaceous Matrix.				[ļ		:	· .	ļ
		With Carbonaceous Matrix	ļ			·				<u> </u>		<u> </u>
		•	[ļ		· • •	1977 - 1978 - 1978 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 -				
0.28	23,25	Medium Grey, Medium Grained Avanarcous Dolastone						·				
			<u> </u>		. <u> </u>							<u> </u>
3.25	28.02	Light Grey, Bedded to Massive, Avanaceous Dolostone	<u> </u>		<u> </u>		<u> </u>	<u> </u>			·	
		- cove axis / bedding	1 BO°	· · · · · · · · · · · · · · · · · · ·								
			<u> </u>			<u> </u>	 					
8.02	33.10	Davk Grey, Massive to Weakly Bedded, Fine Guained	ļ	[ļ	ļ						
		Avanareous Dolostone,	<u> </u>						 			
		Some irregular patches of sparry dolomite (Incipient	ļ						<u> </u>		}	
		breccial	ļ			 		·	<u> </u>			<u> </u>
		(28,80-29,40) Cove axis pavallel dolomite very with	1				· · · · ·	 	<u> </u>			
_		minor coarse crystals of galena t traces at		·				ļ	<u> </u>			
		(28.80-29.40) Cove suis parallel existing minor coarse crystals af galena & traces af sphalerite		 				 	<u> </u>			
						<u> </u>						
3.10	38.35	Medium Grey Weak to Moderately Rrecciated, Fine Grained	<u> </u>			<u> </u>		 				
		Massive Dotastone.		 			<u> </u>					i
•		Matrix discontinuous gren dolomite	<u> </u>	l		1	L	L	I		L	

Sheet_2___ of____



DIAMOND DRILL RECORD

Property___NINA

Logged by Mark Baknes
Date Logged Oct 8/90
Drilling Begun Oct 4/90
Drilling Finished_Oct 4/90

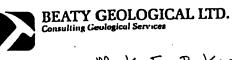
Hole Bearing	083°			
Collar Dip Angle_	44°			
Dip Test: Depth	ND	_Angle_	ND	
Dip Test: Depth Total Depth	ND		ND	

Hole No. <u>90-9</u> Core Size <u>BQ</u> Claim Group <u>NICA 1</u> Location <u>BIDDY ÅREA</u>

				ſ <u></u>	SAMPL	FS						
FROM	то	DESCRIPTION	structure	NUMBER	FROM		WIDTH				T	T
	42,42	Description Medium Grey, Moderately Well Brecchated Fine Greining Dolostone, 10-15 % light grey which dolomite unitik, frequents indistinct.			1		1				<u> </u>	+
		Delotone,			1			*			t	
		10-15% light aven which dologiste watrix, frequents									1	†
		ivalisting.							1			
								in that	المجرفة المراجع	2.1		
42.42	45,44	Medium to hight Grey Weakin Brecchated, Fine Gunned Massive Dolostone. Matrix 10% white adomite, fragments under distinct diffuse margins. (43.05-43.15) Medium Grey, Massive, Fine (grained, Unbrecchated adostone.				1. 1. A.			1 A.			
		Massive Dolostone							1.1			
		Matrix 10% white adomite, fragments unde distinct		•.		• •	A State		ە ۋېۋېر د د			
		diffuse manajns.			ļ				1			
		(43.05-43.75) Medium Grey, Massive, Fine (wained,						1000		· · · ·		
		Unbueccinted adostone.								·	ļ	ļ
								1	- Andrea - Gra	·		
45.44	47.00	Light Grey Well Brenciated Dolostone 1 2 20-30% sparry Matrix fragments have diffuse margins			·						ļ	ļ
		20-30% Sparry Mattrix fragments have diffuse	!		- <u> </u>							
		Mavgin S		·		· · · ·	·					
							+					
-47.00	49,0	Weakly Brecciated Light Grey Massive Dolostone Some sections sparry dolomite matrix			+						<u> </u>	
		Some sections sparring dolomite matrix	}		+						<u> </u>	<u> </u>
19.00			<u> </u>									
	50.90	Light Grey Maderately Breachted Dolostone									<u> </u>	}
END	HOLE	10-15% sparry proponite matrix			+	·					<u> </u>	
			1		+							<u> </u>
			<u> </u>			·						
			<u> </u>		+					·	<u> </u>	
							+		•			·
						· · · ·	├ ─── │					
L			<u> </u>		1						L	L

Sheet_3___ of___3

da**r**



Logged by <u>Mark E. Bakves</u> Date Logged<u>Oct8/90</u> Drilling Begun<u>Oct 5</u> Drilling Finished<u>Oct 5</u>

DIAMOND DRILL RECORD

Property_NINA

Hole Bearing <u>Q55°</u> Collar Dip Angle<u>42°</u> Dip Test: Depth<u>ND</u>Angle<u>ND</u> Total Depth<u>53,95</u> Hole No. <u>90-10</u> Core Size <u>BQ</u> Claim Group <u>NICA 1</u> Location <u>BIDDY AREA</u>

			structure		SAMPL	.ES		1/2		PPM		· · ·
ROM	то	DESCRIPTION	intucitie	NUMBER	FROM	TO	WIDTH	Pb	Zn	Ge	<u></u>	
_		Cashica								ļ		
0	<u> </u>	Light Grey								ļ		
<u> </u>		Malin Quer Musing Fine Grained Delastone								<u> </u>	<u> </u>	
4	10.20	Simpailum Over Wighside, Fine Overweigh uninen lized						1		<u> </u>	<u> </u>	_
_		Jone minou purcelation where a which some function							· ·			· · ·
		In association with adomite mativix. Some torstand			1							1 .
		these having carloonaceous coordings.		45000	5.95	6.10	0.25	0,01	5.44	8.4	\Box	
		Sample: 4-6% sphaleville in brecciated adostone: mainix 40%		13_30	10.00				1	1	17	
		is arey dolomite + 4-5% pyrobitumey, ophalevile								1.2		T
		15 diseminated within traaments,		11101	14.10	LUL	0.36	0.01	2.83	2.9	177	
		Sample: Similar to above but sphilerite 4% matrix		77101	10110		10.00	1-1-1	TAILER	1		
		209 (10 DES dalamite Mature)		111107	1 11	6 02	031		0.63	0.6	1	
		Sample: Incipiently breecisted dolostone with < 12		4410A	0.70	0.02	10.56	10.01	1001	1-10	+	
		sphaleville as discumnated quains on the					+		+	1	1	
		margins of dolomite stulngers .		11103		19.10			+, -,		+	+
		Sample : Insigient breccia with white doomite matrix. Sph.		44103	7.18	9.43	0,21	10,01	+	+	+-(-	
		alevite 2% is disculuited along some avain	<u> </u>						+		+	
		losur de line	l		-				+	100	+	
		Sample : Semi-massive to insidiently preccipited with	·	44104	MA3	10.00	0.57	0.01	10.5	10,3	+	
		< 1% sobalevity advarent to dolomite.								<u> </u>		
					_						+	
10.00	12.21	 Casing highling highling and balance of the control balance										
10.20	14.2	a sale which a same his the method Chopper like	1							- 		
		20-40% write starting about the use the distuse boundarie	5.					·		<u> </u>	<u> </u>	_
		Theophil frequiens with sharp to too with 1-22 spha-	1	44105	10.12	11.45	0.33	0.01	0.79	10.5	+	
		Sample: to Well breccia reg section former perpendents.								<u> </u>	<u> </u>	
		Weakin Amarceaus	1.1						<u> </u>			
	1	Wenty Mining (Similar 4-10.20)	1	1					••			
12.31	9.65	hight Grey, Wlassive, Fine Grained Gabstone, Coming + Toxog	1	. 3.								
		Very pervasive + consistent set of this dolomile stringers	1 100						Sheet	1	of	3



DIAMOND DRILL RECORD

Property_NINA

Logged by Mark Baknes
Date Logged Oct 9 /90
Drilling Begun_Oct 5 /90
Drilling Finished Oct 5 /90

Hole Bearing	055			
Collar Dip Angle.				
Dip Test: Depth_		Angle	ND	
Total Depth				

Hole No. <u>90-10</u> Core Size <u>Bo</u> Claim Group <u>NICA I</u> Location <u>BIDDY AREA</u>

			intructure	- 12	SAMPL	.ES		%	1.	PPM	,	
FROM	то	DESCRIPTION	r	NUMBER	FROM	TO	WIDTH	Pb	Zn	6e		
		Sample: Weakly brecinated section Orange (twoical)		44106	14.02	14.33	0.31	0.01	0.83	0.3		
		sphalevite rims fragments white hellow sphalevite						·				
		occurs in white dolomite vugs & stringers; total						30		·		
		subject about 2-3%. Minor 51% adjence occur	4									
		as isolated cructal gaaveantes.		21.1								
		Sample: Avanaceous Dolostone with well burinated massive		44107	18.94	19.31	0.37	0.01	0.04	0.1		
		purte, 60%. Purte is fine avain massive to semi-					4					· ·
		pyvite, 60%. Puvite is fine quain massive to semi- massive + diseminated in matux of candidane.		14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -			an ang i	1. S				
		cove axis / bedding	53°									
								·				
H.65	23.00	Medium Grey, Medium Grained, Moderately Brecciated										
		Avanaceous Jodestone							•			· · ·
		Section varies from maissive candistone to sandstime cut										
		bu dolomite atringers to indenticly precisided. Well preciated	1									
		section, dobmite breccia rebrecciated by carbonciceous matrix	1									
		breccia.	1	· /								
		Sample: 10% Fine availed pyrite disominated in mating of sand.		44108	2045	20.40	0.15	0.01	0.05	0.1	L	
		stone										
		(21.90-22.80) Well precipited 30% sparry dolomito that is	1							Jan .		
		represented by carbo and is filled with carbonaceous matrix.	1									<u> </u>
		Minior galena preent as isolated crystals.	1									
		hind a Caucius and	1									
23,00	25.18	Light Grey, Massive to Weakly Bedded + Amananaceous										
		Dolostone,										
		(23,00-23,47) Moderately Brecciated, samu dolomite matrix.										<u> </u>
		difuse freezement margins.										
			1									L
25.1B	33 75	Alternating hight + Dark Grey, Well Bedded, Medium	1									

Sheet 2 of 3



DIAMOND DRILL RECORD

Property.

Logged by Mark Baknes	
Data Logged Act 9/90	
Drilling Begun Oct 5/10	
Drilling Finished_Oct 5/90	

055		
	Anale	ND
	055* 42* ND 3.95	<u>42 °</u> Angle

Hole No. <u>90-10</u> Core Size <u>BQ</u> Claim Group <u>NICA I</u> Location <u>BIDDY AREA</u>

A Sugar Sec.

			itructure		SAMPL		v				
ROM	TO	DESCRIPTION		NUMBER	FROM	TO	WIDTH				
		Grainert Aranaceous Dolostone.									
		Dark cm scale bands are avanageous, light even fine									
		availined bands are defficient in sand component.						 	·		ŀ
		Davk run scale bands are annarcous, light arey fine oranized bands are deflicient in sand component, - core giss/hodding - No bracciation race stringers some bedding pavallel lenses of sparry debanite	65°					 		·	
		- No byercration wave stylingers some bedding pavallel									
		leuses of spawy dolamite	-27 8 -			·					
375	27.80	hight to Medium Grey; Weakly Brecciated, Fine Grained, Delostone, Spotty brecciation with grey dolomite matrix	•••								·
<u> </u>		Doloctono									
		South precisition with oney dolomite matrix									
	- 3-	· · · · · · · · · · · · · · · · · · ·									
37.80 4	49:60	Moderately Well Brecciated, Medium Grey Polostone. Matrix at grey dolonite generally < 15% some represention & filling with carbonaccous watrix. This don't filled fractures that postdate dolonite breccia are pervasive throughout	i					·			
		Matrix at area plalamite generally & 15% some represention									
		a filling with carbonacrous matrix. This adonite filled	1								
		fractiones that postdate dolomite pression are pervasive									
		throughout									
		cave axis / dolomite filled fractures.	58°								
		(42.35 - 43.95) Abundant quer able-ite matrix? vecunstalized adostone redirectanted by "carbonareous breccia"	1								
		deloctore represented by "carbon cover breccia"									
		-						•			
19.60	67 96	hight Grey Recrystalized Fossilifenous Dobstone. 30-40% white diffuse crinoids (2-10mm) A fossil fragments in light grey fine grained matrix dolostone.	1								
IND	HULE	30-40% white diffuse chinoids (2-10mm) A fossil fragments	j l								
	10/PE	in light even fine availed metric delestone.	1								
			1		1						
			11								
					1						
{											L
			1	· · · · · · · · · · · · · · · · · · ·							1



BEATY GEOLOGICAL LTD.

DIAMOND DRILL RECORD

Property____NINA

Date Logged Dy Collar Di Date Logged Cot 9/90 Collar Di Dio Test			Collar Dip Angle_4: Dio Test: DepthA	bip Angle <u>45°</u> t: Depth <u>ND</u> Angle <u>ND</u>			Hole No. <u>90-11</u> Core Size <u>Bo</u> Claim Group <u>NicA 1</u> Location <u>BIDDY</u> AREA							
					T	SAMPL	FS		1 %	%	PPM			
		· · · · · · · · · · · · · · · · · · ·	DESCRIPTION	stricter	NUMBER	FROM	TO	WIDTH	Pb 1	Zn	Ge	<u> </u>	+	
ОМ	то	·				<u> </u>	 `	<u> </u> '	ب '	+'	 '	├── ′	+	
	4	Casing		······································		<u> </u>		<u> </u>	'جنا	+ '	 '	+'	+	
			- : 1 Delectore			'		<u> </u>	<u> </u>	↓ ′	<u> </u>	· · · · · · · · · · · · · · · · · · ·	+	
	17.37	hight Gren Massive, Fine "	Grained Dolostone. not auphitic fractures older A short breecented sections	Jamite		1	1	·'	<u> </u>	 ′	 '	 '	4	
		Very massive unit occasion	al guaphitic judities and		· · · · · · · · · · · · · · · · · · ·	1'	1	 '	Ĺ'	·'	<u> </u> '	 '	4	
		(bavite?) filled strucces,	A short breeching as while	ida	1	·,		· · ·	<u> </u>	· · · · · ·	<u> </u>	·'	4	
		(47.88-5.45) Fractured +	A short bleccipted sections breccipted, white sparry dolor on well defined theyments. A me fills.	AL 1.4	t	+		· · · · · ·	ſ <u></u> '		<u> </u>	'	1	
		T bavite supporting angula	In mell detried thegenenis. I	Loundary I		+		· · · · ·	· · · · · · · · · · · · · · · · · · ·		'	'	1	
-		1 (10%) Dure bitumen as tinctu	re fills.		44109	11.79	5.45	0.63	0.01	0.66	0.6		1	
	·	1 Sample? I'm sphaleville in	above brecciated section a	<u>is</u>	1-7-10-1				,		ľ'			
	·	1 diseminated fungur	at veplacements (espericiality	3			1	+	1		· · · · · · · · · · · · · · · · · · ·		<u> </u>	
	·+	carbonaceous finger	ne fills. above breached section a ant replacements (espericially neits hained public along fractures		+		+	+	1	1.	· · · · · · · · · · · · · · · · · · ·	1924		
	·+	[(7.00-7.25) minor five q'	mined pyvite along tracture	<u> </u>		'	+	+	t	1	1	4 4 4 4 14 4 1 4		
	·	1/7 40-7.90) 3-5% anten	neits mined pyvite along fractures a in single veinlet, coarse c ractured contains 5% pyro	cyystal		'	+	+	1	+			·	
	ـــــــ	the Section is fi	instrued contains 510 pyr	obitum		'				+	+	+	t	
	·'	1 - gggvegaleza					+		+	+	+	+		
	·'		rous web hyperiated sec	ct10-1					4				+	
]	 '	1 (10.83- 11.95) Caveona	omite minor brecciation defo	ormation							+		+	
	 '				1	7					+	+	+	
	L	1 of more carbonaceous	section, mineralized with	~10 T	44110	10.83	3 11.71	0,88	0.01	0.01	0.1			
	Ē	Sample: 3% pyvile as	medium grained bedding thing fractures											
	(panallel lenser A crosser	thing tractures	•	1 24/11	12,75	13.15	0.40	12.00	10.01	10.1			
		4 Samile: 30% galena as	matrix component in povous	<u>a</u>			+				Τ			
	[coavse avained c	vystaline dolostone.				+		1	1	1	Ι		
		(15.90-17.37) Slightly coo	user grained and danker,	avey			+		+	1	1			
		delectore Numerous dole	watrix component in power crystaline dolostone. auseu grained and darker of mite Fractures and one 10	iem				+	+	+	+			
	1	long breccia section with - cove axis / dolomite frame	th pyvoliitumen matrix				+			+	+ · ·	1	T	
		to any any (delaying fr	articles.	36°					+	+		+		

Sheet

BEATY GEOLOGICAL LTD. Consulting Geulogical Services		DIAMOND DRILL RECORD					Property <i>NINA</i>						
ogged by-	Mark Baknes 1 Oct 9/90 1 Octs/90	Hole Bearing 049 Collar Dip Angle 45° Dip Test: Depth ND Angle ND Total Depth 41,10 m				Hole N Core S Claim (Locatic		150					
rilling Finisi	hed Oct 6/90			<u>.</u>		SAMPL	FS						
		CRIPTION	·	ituder	NUMBER			WIDTH	Pb	Zn	Ge		
FROM TO		3 11 1 St. Hall Auguss	1 00 115									·	
17.37 20.10	Light Grey, Massive to Weakin	Sedded, Slighting Autoria	2003						<u> </u>	ļ		<u> </u>	
	Deloston												
	Minor carbonaceous fractures			520									
	- cove axis / bedding						L						
	Davk Guey, Massive to Weakly	Raddad Medium Guain	ed							· · · ·			
20.10 23.20	A A A A A A A A A A A A A A A A A A A	ρ.					· · · · · · · · · · · · · · · · · · ·		<u> </u>				+
	Occasional carbonaceous lam	ince, ouvite sometim	<u>es</u>										
				<u></u>			·						
	(20.70 - 20.82) Carbonaceous la	eds with invegular be	de								· · · ·		
	lenses of puvite.				 	+							
23.20 25.05	Well Breccisted Avanaceous I	alostore.											
			<u>vas</u>										
	Usually indistinct, Within 201	e sections at unburccia	tea	1					1				
					44112	23,20	23.88	0.68	0.01	0.23	0.2	\square	
		e te 2 170 sphaleutle y	evy		17776			1		1			L
	sparsely diseminated	1 within car plank grai	<u>45</u>		44113	23.B8	24.43	0.55	4.82	4.70	5.6	$1 \gamma - 1$	
	Sample: Well brecchated zon spansely disentuated Sample; Section of coarse	avanacious deloctore a	4				1						
	in contact with sub-	sparry dolomite. Sph	T										
	brecciated poels at	sparry adomite spa	CC POL	s I						1		╎╱╌┦	<u>/</u>
	is 10% mainly as me	ativix component in quain	alena				·					╫─┼	
	section but also vepte	ing dank fragments. Go ed coarse curstals in a	vanian	itte									
	15 10% as diseminat	ates 1 matrix in herec	fractiv	100								++-+	<u>├-</u> ┣
								<u> </u>	1	0.00	102	+++	
	Somple : Well brecciated 20:	as similar to sample.	a		44114	2443	25.18	10.85	10.01	10,20	10.5	+	
J	(23,20-23,BB), miner	privite as lenses.			<u> </u>	<u> </u>		1	<u></u>				3
L	- core axis/ bedding	IJ		58°					· .	Sheet	_2	_ 01_	



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BEATY GEOLOGICAL LTD. Consulting Geological Services

DIAMOND DRILL RECORD

Property___<u>NINA</u>_

Logged by	Mark Baknes	
Date Looged	Oct 9/90	
Drilling Begun.	OCT SMU	
Drilling Finishe	od Oct 6/90	

049.		
ND	Angle	ND
41.10 m		
		45° ND Angle

Hole No.	90-11			
Core Size	RQ			
Claim Group	NIC.	A /	:	
Claim Group	BIDDY	AREA		

ROM TO 5.05 32.10 Light & Medium Cuey, Well Bedded, Fine to Coause Grained Aranaccous Dolostone. Alternating beds (tem to 10's of cm) of light grey fine grained dolostone + dowk grey medium to coarse prained Nighly granaccous dolostone. (26.00-26.30) Massive light grey fine grained dolostone. (29.04-29.48) Wassive light grey fine grained dolostone. 2.10 41.10 Dark Grey, Massive, Efine Grained, Sparsely Fossiliferrous END HOLE Dolostone.	•	NUMBER	FROM			РЬ *	- Zn	6e		
5.05 32.10 Light & Medium Cuey, Well Bedded, Fine to Coause Grained Aranarcous Dolostone. Alternating beds (cm to 10's of cm) of light grey fine grained dolostone + dork grey madium to coause grained highly granaccous dolostone. (26.00-26.30) Massive light grey fine grained dolostone. (29.04-29.48) Wassive light grey fine grained dolostone. (29.04-29.48) Wassive light grey fine grained dolostone.	•									
2.10 41.10 Dark Grey, Massive, &Fine Grained Sparsely Fossiliferrous	•			· · · · · · · · · · · · · · · · · · ·						
2.10 41.10 Dark Grey, Massive, &Fine Grained Sparsely Fossiliferrous	•									
2.10 41.10 Dark Grey, Massive, &Fine Grained Sparsely Fossiliferrous	•									
2.10 41.10 Dark Grey, Massive, &Fine Grained Sparsely Fossiliferrous	•									
2.10 41.10 Dark Grey, Massive, &Fine Grained Sparsely Fossiliferrous	•									
2.10 41.10 Dark Grey, Massive, &Fine Grained Sparsely Fossiliferrous	•		· · · ·						·	
2.10 41.10 Dark Grey, Massive, &Fine Grained Sparsely Fossiliferrous	•		· · · · · · · · · · · · · · · · · · ·							
2.10 41.10 Dark Grey, Massive, &Fine Grained Sparsely Fossiliferrou.	·		· · · · ·			<u> </u>				
TND HOLE Delestere. Cyled	·									
	·-	1					<u> </u>			
IND HOLE Dolostone. Madevate amounts, dobmite fractives, some precisited sec				L	L	<u> </u>		·		
tions where sparry dolomite & form's bedding parallel layers. (Dolotomiztion occuring parallel to bedding.) Fossil				·	ļ					-
langue (Delotomiztion occurring Davallel to bedding) Fossil		<u> </u>				}				
myers, property Icm crinoids A fossil fragme	<u>-14</u>			ļ	ļ					
layers. (Dolotomiztion occurring parallel to bedding) tossil material < 5% commonly ich crinoids + fossil fragme Sample: Irregular trightandle Fracture 50% printe; occurs as fine printic matrix with 2-3mm solucors round + angular printe fragments", new be print veplacing tossil material (34.00 - 34.18) Moderately brechated section, 20% whitesta gregish white doto mite. (35.30 - 35.48) Minor brechation + open fractures		44115	32.10	32.20	0.10	0.01	0.09	0.1		<u></u>
Sumples the purtic matrix with 2-3mm solevest				ļ	<u> </u>	ļ				
wound & angular purite fragments", man be purit	e	· ·		ļ	<u> </u>	<u> </u>				
vedering forcil material						<u> </u>	<u> </u>			
(2400-3410) Moderate burgeriated section, 20%	<u> </u>					<u> </u>				
Hitset greust white dotomite.							<u> </u>			
(25 20 - 25 de) Winny buecciption & open fractures				ļ		<u> </u>		<u> </u>		
at time any low angle to cove axis.	<u> </u>			L	<u> </u>		<u> </u>		<u> </u>	
(21 72 = 38 10) Well presented section. 40% spaving			·	ļ		ļ		ļ		
- (Spille Spille) well executered your distinct fragments	ion				<u> </u>		<u> </u>		┣───┤	
(35.50 - SS.46) Without encouring at truth own low angle to cove axis. (36.70 - 38.10) Well breccinted section, 40% spaving addimite matrix. Fragments very distinct, fragments pointlel to bedding - cove axis to bedding				<u> </u>				ļ	 	·'
	450					·	l		i	
								Ļ		·
				<u> </u>	<u> </u>		<u> </u>	L		

· Sheet_3_ of_3



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BEATY GEOLOGICAL LTD. Consulting Geological Services

DIAMOND DRILL RECORD

Property___NINA

Logged byMa	vk Baknes	-
Date Logged	Oct 9/90	_
Drilling Begun	octó	-
Drilling Finished_	Octb	-
Draining rainenee		

Hole Bearing	083°		
Collar Dip Angle.	450		
Dip Test: Depth_	NÐ	Angle_	ND
Total Depth	47.		

Hole No.	90-12	
Core Size	— •	
Claim Group		

r			structure		SAMPL	ES		10	%	PPM		
FROM	TO	DESCRIPTION		NUMBER	FROM	TO	WIDTH	Pb	Zn	6e	· · · ·	f .
	4	Casing			<u> </u>							
- <u>-</u>	_ 4 _+											
4	16.00	Davk Gueyto Black Fine Guained, Fractured, Fassiliterrow	\$									
	16.00											
+	+	Davk matrix supporting 2-4mm + 1cm crinoids						·				
├ ───┤	+										ļ	
												
 		filled with white spavy dolomite (10% fractive dolomite) cove axis/bedding (approx) (9.82=11.50) Similar to ingin section but Medium to light										
		tilled with white spawy approxime (10 % refer	78°									· · · · · · · · · · · · · · · · · · ·
+		Cove axis / bending Cappvox /						•				
		(9.82-11.50) Similar to main section on predict to the										
		even color	<u>, </u>		1.1	-	·· ·		1 m 1 m	a starte		
		(13.18-13.68) Similar to main section but Medium to light	1		1							
		grey.										
		J still show	<u> </u>									
16.00	18.56	Minemlized Light Grey Fine Grained Breccia.		<u> </u>	+				<u> </u>			
		Minemized hight Grey Fine Grainer creating fragments hikely breccinted equivalent of above. Generally fragments 4 matrix indistinct. Some large davk Aragments in lighter matrix that may be fine grainer breccin or recrustilized debstone. Spalevete 2%, decrus finely diseminated possibly	1	<u> </u>								
		4 matrix indistinct. Some large douk fragments in lighter		l								
		matrix that man be fine quained breccin or recrustalized			+			 				
		dobstone, Spalevete 2%, decyus finely diseminated possibly	1	<u> </u>								
		concentrating on marging of possible burching fragments.	ļ	177 116	+ 11 - 22	17.37	1 17	0.01	1.18	1.5	17	
		concentrating on margins of possible burching fragments. Sample: 1% diseminated sphalente		44116				0.01			+	
		Sample: 1-2% diseminated sphalphte	<u>`````````````````````````````````````</u>	44117	17.37	18,56	1.17	0.01	1157	1-1-1-	+	1
			<u> </u>	·		ļ		<u> </u>				- ·
18.56	IG Y A	Light Brownish Grey (Surface Oxidation) Fine Grained Massive					 	 		1	+	
<u> </u>		Amnaceous Dolostone.						ļ				
		Woll fronctured blocky cove (near surface)		1			 		<u> </u>			
				1		L	L		l			<u> </u>
1010	2075	hight Grey, - Moderately Brecciated Aranaceous Dolostone				<u> </u>	<u> </u>	L	1	L	1	L
19.64	10.17	Man over, marming and and the	1						Sheet.	1	_ of	<u></u>

DIAMO

DIAMOND DRILL RECORD

•	Logged by Mark E. Baknes
	Date Logged Oct 9/90
	Date Logged
	Drilling Begun Oct 6/40
	Drilling Finished Oct6/90

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BEATY GEOLOGICAL LTD. Consulting Geological Services

Hole Bearing_<u>083</u>° Collar Dip Angle<u>45°</u> Dip Test: Depth<u>ND</u>Angle<u>ND</u> Total Depth<u>47,85 m</u>

Hole No90~12	
Core SizeBQ	
Claim Group OMI	
Location EAST VERNON	

			اتم ا ما		SAMPL	ES		10	10	PPM		
	- <u></u>	DESCRIPTION	structure	NUMBER	FROM	то	WIDTH	Pb	zn	Ge		· .
FROM	то	it is it is the it is a dealther Indistrict motion				l	<i></i>				L	ļ
'		grey + white adomite 10-20%. Pyrile + Sphaleville			1	l	L			ļ	 	
└───┼											i	
_		minevalization		44118	19.64	20.65	1.01	0,01	1.00	1.6	ļ	
		Sample: 1 & sphalevite finely discrimited, pyrite minor as whispy lenses in fradures.	ļ			<u> </u>	 i			↓		
				L			 i	 	<u> </u>	ļ		<u> </u>
+	20 10	Medium to Dauk Guey, Medium Grained, Semi Massivo		·		 		 	<u> </u>		<u> </u>	<u> </u>
20.77	_حداق_	Medium & Avanaceous Dobstone.	<u></u>	· · · · · · · · · · · · · · · · · · ·		<u> </u>		 	 			1
	·		l			 	 	 	 	 	<u> </u>	<u> </u>
2210	92.27	Weakly breccuted Avanaceous Dolostone.	<u> </u>	ļ	<u> </u>	 	 	 	<u> </u>		<u> </u>	<u>+</u>
KKIN	10	- 20% aven dobmite matrix supporting distinct angular fragments. Sphalevite, 1-2% is diseminated along	<u> </u>			 	+	 	<u> </u>		<u> </u>	+
	<u> </u>	Flagments Sphalevite. 1-2% is diseminated along	<u> </u>			 	 	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	L	these ant margins.	1	-	1		<u> </u>		10.00	00	<u> </u>	1
	L	Sample: 1-270 diseminated Sphalevite	<u> </u>	44119	22.15	23.09	0.94	10.01	0.99	10.7	 	+
	L		<u> </u>	L		ļ	+	<u> </u>			 	
00.00	20.21	Light Brownish Grey, Medium Grained, Fractured	1	L		<u> </u>	+	 	┼───	├ ───	<u> </u>	+
13.17	30,31	L + Kunsington Avancionus 10051000 - FAULT GONE	1	ļ			+	 	+	<u> </u>	┼───	+
	└─── ──	I I I I A durt sortions of lakercia cove is	1	Į				 	+		<u> </u>	+
<u> </u>	┞	very blocky some fault goinge. Likely represents fault but probably excentrated by hear surface oxidation (1	<u> </u>		<u> </u>	+	+	+	 		+
	┝	I but avolation expertuated the heav surface oxidation (<u> </u>	_		+	+		+	<u> </u>	+	+
	t	le bile dipping down steep slope)				<u> </u>	+	+	+	+	+	+
		- mile sift is see					+	+	+	+	+	1
30.31	2010	White Medium Grained Limestone,				+	+	+	+	+	<u> </u>	1
16.00	1 20.00	Cut by numerous graphitic Fractures			·	+	+	+	+	+	+	1
	t	1	<u> </u>			$\downarrow -$	+	+	+	+	+	1
2010	44.03	Light Gren Weakly Bedded. Mediun Grained Aranaceous		<u></u>	<u> </u>	1	+	+	+	+	+	1
30.60	1 22062	Light Grey Weakly Bedded, Median Grained Aranaceous Dolostone,	1				+	+	+	+	+	1
	+	core axis / broding	1 50°	<u> </u>				<u> </u>	<u></u>	L	of	3
	1	I WIT MALL / LIL MAILE I	ł						Chast	2	<u>^</u>	

Sheet 2 of 3

BEATY GEOLOGICAL LTD. Consulting Geological Services

DIAMOND DRILL RECORD

Property_<u>NINA</u>

Logged by May	K Be	aknes
Data Longed (25 9	/90
Drilling Begun	OCT 6	/10
Drilling Finished	Oct 6	190

Hole Bearing	083*		
Collar Dip Angle_			
Dip Test: Depth_	ND	Angle	ND
Total Depth		m	

Hole No.	90-12	
Core Size	BQ	
Claim Group	OMII	
Location	EAST VERNON	AREA

			structure		SAMPL	ES						
	TO	DESCRIPTION		NUMBER	FROM	TO	WIDTH				·	
FROM	то	(34.60 - 35.70) hight Grey Mottled vecuystalysed dolostone.										
		(34.60-35,10) hight over monthly company										
	10.04	Dule Gues Wankly Bodded the Medium Grained						*				·
44.03	47.85	Davk Grey, Weakly Badded, Medium Grained Aranaceous Dolostone. Some minor dolomite as aliscontinuous lenses, when these more extensive many becomes weakly brecciated (45.85-46.16) Sparry dolomite breccia.										
<u>=ND</u>	HOLE	Avanaceous Jolostone,		·						· · · · · · · · · · · · · · · · · · ·		
		Jome minor addmint as citationes weakin brecinter										
		these more extensity manual occurring									ļ	2
		(43,83-26,16) Spavey abitally precision									ļ	
										L	·	
								· .	• •		Į	
	<u> </u>									· · · ·	<u> </u>	
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			E.			_			Sheet	3	_ of_	3

DIAMOND DRILL RECORD

Property_<u>NINA</u>

	BEATY	GEOLOGICAL LTD. DIAMOND DE	RILL REC	ORD		F1	open	y	(<u> </u>	
		eulogical Services	~				a	n-13		
		Mark E. Baknes Hole Bearing 07 Collar Dip Angle 49	70			Hole N	0	212		
			>		·	Core S	ize			
Date L	oggea.	Din Test: Denth ND	Angle_	ND	(Claim (Group_			2
Drilling	Begun	Oct 6 / 90 Dip Test: DepthND ed_Oct 7 / 9p Total Depth35,6	6			Locatio	on	EAS	TVER	
Drilling	Finish	ed_Oct 7/9p Total Depth35.6	i					0,		70.000
			structure		SAMPL	ES		%	%	PPM
		DESCRIPTION	511000.0	NUMBER	FROM	TO	WIDTH	P6	Zn	Ge
FROM	то									
0	_4	Casing								
		The lot The Avenue Lowing ted	· ·					<u> </u>		·
4	13,30	Dark Grey/Black Fine Grained, haminated							ļ'	ļ
		Weakly Fossiliferous Dolostone							ļ	·
		< 5% 1-2mm crinoids + facul fragments. Cut by								ļ
		feu dob-ite stringers.	150							L
		cove axis / stungers.	45°							
				1						
		(1) Alberra section, motiled Date aven, bleac	hra					•		
		with 30% white dolomite as stringers and			· ·					
				44120	11.77	12.15	0.38	1.09	0.94	1.5
		Samiala: Fine avained black breccia or fault zone		TIN		12112			T	
		with 2% diseminant of the applied the		<u> </u>					1	
		* Poor recovery in sample section *							1	
						┼			+	1
1200	10.26	Light Grage Moderately to Well Brecchated Fine Grain	ed I			+			+	+
13.30	19.25						<u> </u>	}	+	┼───
						<u> </u>	 			+
			e						+	+
ļ		grained bueccia, sometimes mineralized where fragming	ents			·	ļ		+	
		avained objection sometimes mineranzies were s								
		A motion are malisting	1			1		ļ		
		(13.30-14.33) SPM Incipient breccia	ntel							
			194 I							
		ments & matrix whispy motiled texture.		44121	1433	15.76	1.43	0.01	0.84	0.8
		(15.90 - 17.00) Fine grained objecting tographic ments & matrix whispy mottled texture. Sample: Well fractured or breccipited area possible	y							
		I Foult Examplets PISTINCI, SPHERVIR - 170-	1524							
	1	minated on some Fragment margins.							Shoot	1

of_ Sheet

3

BEATY GEOLOGICAL LTD. Consulting Geulogical Services	DIAMOND DRI	LL REC	ORD		P	roper	ty	NINA			· · ·
ate Logged <u>ct 9/90</u> C	ble Bearing077 bllar Dip Angle49* p Test: Depth <u>ND</u> btal Depth <u>35.66</u>	Angle	ND		Core S Claim	lo Size Group on	OM	II ST V		N	
		itrictic		SAMPL			1/0		PPM		
DESCRIPT	ION	STRUCTUR -	NUMBER			WIDTH			Ge		
ROM TO	WAL- WESSIVE INVERVAN		44122	15.76	16.03	0.27	0:01	77.21	13.4		7
Sample: 25-30/2 sphaletile in se	alours. Fine availed					· · · · · · · · · · · · · · · · · · ·	<u> </u>	ļ			
patches possibly replacing breccia fragments fairly	distinct with shake						.*.	ļ	ļ		4—
boundaries,						<u> </u>					{
Sample: Blocky cove, oxidized.	solute 12 finely		44123	16.03	16.88	0,85	0.01	1.95	1.6		<u>Ч</u>
							<u> </u>			<u> </u>	
alseminated in wearing	patchec possibly frag-		44124	16.88	17.50	0.62	0.01	7.42	50.8	└─ ┼──	
Jample 20% Spharenite libra en	mby to sample			1.1.1.1.1.1	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1.0					
Meni vepincemenis, very si	•		44125	17.50	18.12	0.62	0.01	3.09	5.9	ļ	4-
Sample: Fine grained by execting the	Floure motivix ??: <							<u> </u>	<u> </u>		
3-4% finely disominated sph	alevite				<u> </u>			1	ļ		
3-470 FINEIL ALSOMICIA (C) OF		1						<u> </u>			
1111 m to fine Warring	Fine Grained				L		_		<u> </u>		
9.25 27.40 Light Grey-Medium Grey, Massive, Avanaceous Dolostone,					ļ						
					I						
(24.94 - 25.19) Black avanaceous	Finely Esculiferious										
(24,94 - 25,19) Dack and (2003 -					1	1					
dastone		1				<u> </u>		<u> </u>	ļ		
27.40 30.08 hight Grey Mottled - Diffuse	Bueccia	1							ļ		
27.40 30.08 Light Grey Wottled - Diffuse	to so your mottled	1						_ <u></u>			
- Matux has vepaced fragme	noting light aven	1								 	
27.40 30.08 Light Grey Mottled - Diffuse Matrix has replaced fragmer lighter grey sparry matrix or olifuse fragments.	10 J J J	1								 	
(29.60-30.08) Has very bleach	d color high density	u1							<u> </u>		
(29.60 - 30.08) Has very dieact	e cope, rg	7									-+-
of fractures, may be fault.									+	 	-+-
30.08 33.30 Madium Guey, Weakly Bedded, Me	line Ovaned Ava-					1			<u> </u>	╂	
30.08 33.30 Madium Guey, Weakly Beddeel, Me						•				_	-+-
naceous Dolostone.	20% white area soort	idia									
(31.74 - 32.10) Sparry dobuite brecci	1. Jo to uniter frees apple							Sheet	<u> </u>	_ of_	
		i.		•		ŧ.	A.		3		
		T.				6 #			E 24		

DIAMOND DRILL RECORD

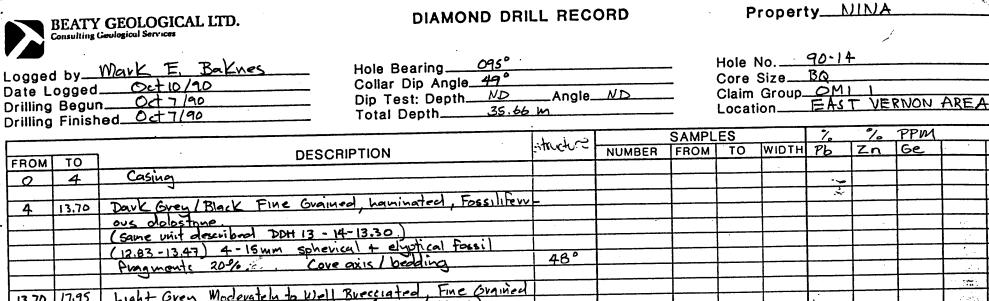
NINA Property_

BEATY GEOLOGICAL LTD. Consulting Geological Services

Hole No.	90-13	
Core Size_	BQ	
Claim Group	OM	
Location	EAST	VERNON AREA

lling Be Illing Fi	by <u>Mark E, Baknes</u> gged <u>Oct 9/90</u> Begun <u>Oct 6/90</u> inished Oct 7/90	Hole BearingO Collar Dip Angle 1 Dip Test: Depth <u>NC</u> Total Depth3	5.66 M			Locat	Group_	EAST	VER	<u>NON</u> 7	<u>+KEA</u>	·
			structure		SAMPL				·1	T	-	
		DESCRIPTION		NUMBER	FROM	TO	WIDTH					_
<u>om</u>	To play the water SUPP	ating distinct fungments with angling.		L								<u> </u>
	- dolemile white			L		 	┥───┤					<u> </u>
	altruse to suger the	1003.	SB°	l								—
	COVE GAIS / OFGELING					 						—
	- I light Ghay Mattland	De Ruecciated Avanaceous Dob	stone	L		<u> </u>						Ē,
30 35	2.32 hight over monthe	delomite matin supporting &	1-	ļ		 						
	X0-13 (. Over smoot)	the Brecciated Avanaceous Dob dolomite matrix supporting & similarity makes matrix F		1		 					I	1
	2 2 Cm Tragments				_	<u> </u>						\vdash
				I		Ļ	_ _	ļ			<u> </u>	t-
	Di k E a Giduard	, Fossili Ferrors Polostone. Inetuix supporting 10% 1-2mi ed inregular fossil fragments.					'					+
32 39	5.66 Black, time Grainen	Live supporting 10% 1-2m	m					<u> </u>			┟ [!]	+-
ND HO	OLE Black time quained	introduce fossil fragments							ļ			+
	Ovoid 7- vourd	TA WEGUNG TESET TES						ļ				+-
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-71



...... -----hight Grey Moderately to Wall Brecciated, Fine Grained 13.70 17.95 . Dolestone (Similar to DDH 90-13 (13.30'-19.25) 44126 13.75 14.41 0.66 0.01 5.55 6.8 Sample: 15% Ovange sphalpite diseminated + in diseminated patches. Host is five availed breach 1 with indistinct modiux (vock flour?) could be fault zone, 14,41 15,28 0.89 0.01 4.87 6.5 44127 Sample: 5% sphalevite diseminated & massive fracture fillings Host is non-to weakly brecciated & most mineral-1 Ization is diseminated in the host. 44128 15.28 17.75 2.47 0.01 4.75 2.9 Somple: * Poor Recovery aprox 50-60% *. 5% sphalevite diseninated A as perchanger fragmont replacements. Host is very blocky & bleached this section Very likely Fault Zone. Predominant set dolomite stringers & fradure may be fault plane 35° - cove axis / Fault? (17.60-17.75) Black Araillaceous Dolomite 17.95 24.90 Fight Grey, Madium Grained, Massive, Weakly Aranacous Dolostone, Abundant dolomite filled fractures, short sections of of_ Sheet___

PPM

Ge

Zn

3

0

DIAMOND DRILL RECORD

Property_________



1

Logged by <u>Mark Baknes</u> Date Logged <u>Oct 10/90</u> Drilling Begun <u>Oct 7 140</u> Drilling Finished <u>Oct 7 /90</u>

Hole Bearing 095 Collar Dip Angle 49° Dip Test: Depth Angle Angle

Hole No	90.	-14	
Core Size_	BQ		
Claim Grour)		
Claim Group	EAST	VERNON	

	Fillish	•	تم ا		SAMPL	ES		%		PPM	i	
		DESCRIPTION	structure	NUMBER	FROM	TO	WIDTH	Pb	zn	Ge	ļ	
ROM	то	breccia, Most fractures between 301 45° to the					ļ	ļ				
					<u> </u>			····				
		cove axis,		44129	18.05	18,62	0.57	0.01	0.49	0.2	⊢┦───┦	
		cove axis, Sample: 5-10% Puvite as fine grained lenses probably bedding pavallel, - cove axis/bedding P					<u> </u>	<u> </u>			┝┝───┤	
+		- cove aric Moedeling P	48°						0.01	02	┟╾╊╼╍╍╍┙┤	
			l	44130	18.62	19.05	0.43	0.01	0.56	0.2		
ł		as coarse crystals in white dolomite			ļ		_	 				
								<u> </u>				
	0.04	hight Grey, Massive to Weakly Bedded Medium			ļ	·		<u> </u>				<u> </u>
<u>+,90</u>	31.72	Orgined Avanaceous Dolostono.	<u> </u>			<u> </u>		 				
			<u> </u>		<u> </u>	I						
		Much less thactiveing than above section. Cove axis / bedding (25.45-25.55) bleached fractived section possibly fault	148			<u> </u>			 			
		(as as 25 cc) bleached fractived section possibly fault							<u> </u>			<u> </u>
		(29,57-30,50) Dark Grey Avanaceous Dobstone.	<u> </u>		·		+				<u> </u>	
			<u> </u>				+	- <u> </u>				<u> </u>
2 - 2		Light Grey / White Massive, Medium Grained	<u> </u>			<u> </u>			 		<u> </u>	<u> </u>
31.72	35.66					ļ		+			<u> </u>	<u> </u>
END	HOLE		<u> </u>			<u> </u>						1
·		Similar to himestone intersected at end of	1				+					
		DDH - 12	· · ·				-				+	
									┼───		+	
			1							+	+	
	<u>}</u>								+		+	+
											+	+
	┟										+	+
	<u> </u>								+	+	+	+
			1							+	+	+
						1			Sheel	<u> </u>	of	1-7

Sheet_2____ of

APPENDIX III

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Diamond Drill Hole Assay Results

ACME ANALYTICAL LABORATORIES LTD.

PHONE(604)253-3158 FAX(604)253-1716

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

DATE RECEIVED: OCT 15 1990

O.t. 19./90

DATE REPORT MAILED:

ASSAY CERTIFICATE

Equinox Resources PROJECT 169 FILE # 90-5287 900 - 625 Howe St., Vancouver BC V6B 2T6 Attn: MARK BAKNES

SAMPLE#	Pb %	Zn %	Ge ppm
E 44101	.01	2.83	2.9
E 44102	.01	.63	.6
E 44103	.01	1.71	1.4
E 44104	.01	.50	.5
E 44105	.01	.79	.5
E 44106	.01	.83	.3
E 44107	.01	.04	.1
E 44108	.01	.05	.1
E 44109	.01	.66	.6
E 44110	.01	.01	.1
E 44111	12.09	.01	.1
E 44112	.01	.23	.2
E 44113	4.82	4.70	5.6
E 44114	.01	.29	.3
E 44115	.01	.09	.1
E 44116	.01	1.18	1.5
E 44117	.01	1.37	1.9
E 44118	.01	1.00	1.6
E 44119	.01	.99	.9
E 44120	1.09	.94	1.5
E 44121	.01	.84	. 8
E 44122	.01	12.77	13.4
E 44123	.01	1.95	1.6
E 44124	.01	7.42	50.8
E 44125	.01	3.09	5.9
E 44126	.01	5.55	6.8
E 44127	.01		6.5
E 44128	.01	4.75	2.9
E 44129	.01		.5
E 44130	.01	.56	.2
STANDARD R-1	1.36	2.35	-

- 1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, ANALYSIS BY ICP.

- SAMPLE TYPE: BORE

) D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS SIGNED BY.

Page 1

Equinox Resources PROJECT 169 FILE # 90-5287 Page

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22	q	е	2

SAMPLE#	Pb	Zn	Ge
	8	\$	ppm
E 44951	.01	1.43	.5
E 44952	.01		.4
E 44953	.01		2.9
E 44954		3.21	3.9
E 44955	.01		1.7
£ 44900	.01	1.24	1./
E 44956	.01	.95	.9
E 44957	.01	.15	.1
E 44958	.01	3.17	3.9
E 44959	.01	2.22	2.8
E 44960	.01	1.10	1.2
E 44961	.01	.25	.2
E 44962	.01		1.0
E 44963	.01		.1
E 44964	.01		.5
E 44965	1.56		
E 44905	1.50	1.09	.3
E 44966	.01	.07	.1
E 44967	.01	.04	.1
E 44968	.01	.19	.1
E 44969	.01	.09	.1
E 44970	.01	.01	.1
E 44971	.01	.01	.1
E 44972	.01	2.84	1.3
E 44973	.01		1.3
E 44974	.01	.36	.2
E 44975	.01	.36	F
5 44975	.01	• 20	.3
E 44976	.15	.02	.9
E 44977	.01	.71	.9
E 44978	.01	1.39	1.0
E 44979	.01	.45	.7
E 44980	.01	2.41	1.3
E 44981	.01	1.79	1.2
E 44982	.01	1.08	.9
E 44983	.01	.67	.5
E 44984	.01		
		1.08	1.0
E 44985	.01	2.66	2.0
E 44986	.01	1.49	2.0
STANDARD R-1	1.34	2.38	-

Equinox Resources PROJECT 169 FILE # 90-5287 Page 3

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SAMPLE#	Pb %	Zn ج	Ge
	°	°	ppm
E 44987	.01	.22	.4
E 44988	.01	7.08	10.2
E 44989	.01	2.16	2.2
E 44990	.01	10.65	11.3
E 44991	.01	.19	.4
E 44992	.01	.42	.5
E 44993	.01	1.41	1.6
E 44994	.01	2.23	3.6
E 44995	.01	.15	.4
E 44996	.01	1.10	.1
E 44997	.01	.30	.1
E 44998	.01	.15	.1
E 44999	.01	.72	.4
E 45000	.01	5.44	8.4
STANDARD R-1	1.36	2.35	[

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHO

GEOCHEMICAL ANALYSIS CERTIFICATE

Equinox Resources PROJECT 169 File # 90-5287 Page 1 900 - 625 Nowe St., Vancouver BC V6B 216 Submitted by: MARK BAKNES

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	٧	Ca	P	La	Сг	Mg	Ba	Ti	B	AL	Na	ĸ	H	Au*
	ppm	ppm	ppm	ppm	ррп	ppm	ppm	ppm	*	ppm	ppm	ppm	ppm	ppm	ppm	ррп	ррт	ppm	%	×	ppm	ppm	×	ррт	2	ppm	%	X	X	ppm p	ppp
E 44107	230	167	1144	600	4.6	363	38	154	18.76	298	8	ND	1	107	2.2	31	7	33	9.39	.097	2	29	5.72	39	.01	15	.55	.02	. 10	2	6
E 44108	8	- 35	182	576	.7	33	2	188	4.79	80	5	ND	1	72	3.4	3	2		13.96	- 70° 0000 0000	2	1	7.18		01			.01		1000	1
E 44110	16	25	72	179	1.0	68	8	129	2.00	24	5	ND	1	225	.8	8	ź		20.56	2017-070		Å	9.88		.01	: –	.11			5 M M M M M M M M M M M M M M M M M M M	1
ε 44114	1	7	354	2984	1.5	7	1	148	1.50	14	5	ND	1	64	12.0	5	2		21.33			5	10.49		01			.02	•	0000000	- 11
E 44115	19	44	658	838	1.5	32	4	123	2.73	67	5	ND	1	105	3.2	9	2	-		- 7.7.616.0		1	9.21		.01			.02	• - •	10000000	z
E 44124	6	204	5834	92211	15.9	6	2	157	.51	31	5	ND	1	107	496.7	11	2	8	15.67	.058	3	2	8.12	35	.01	2	.07	.01	.02		12
E 44129	3	30	240	4960	1.5	40	- 7	349	8.57	13	5	ND	1	98	21.4	11	2	13	15.50	.117	5	22	8.25	24	.01	2		.02			7
STANDARD C/AU-R	18	61	40	132	7.4	73	32	1057	3.97	43	17	7	38	52	18.5	15	22	58	.45	.094	39	60		182	- 6.6 ()0			.06		2000 C C C C C C C C C C C C C C C C C C	530

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

Equinox Resources PROJECT 169 FILE # 90-5287

Page 2

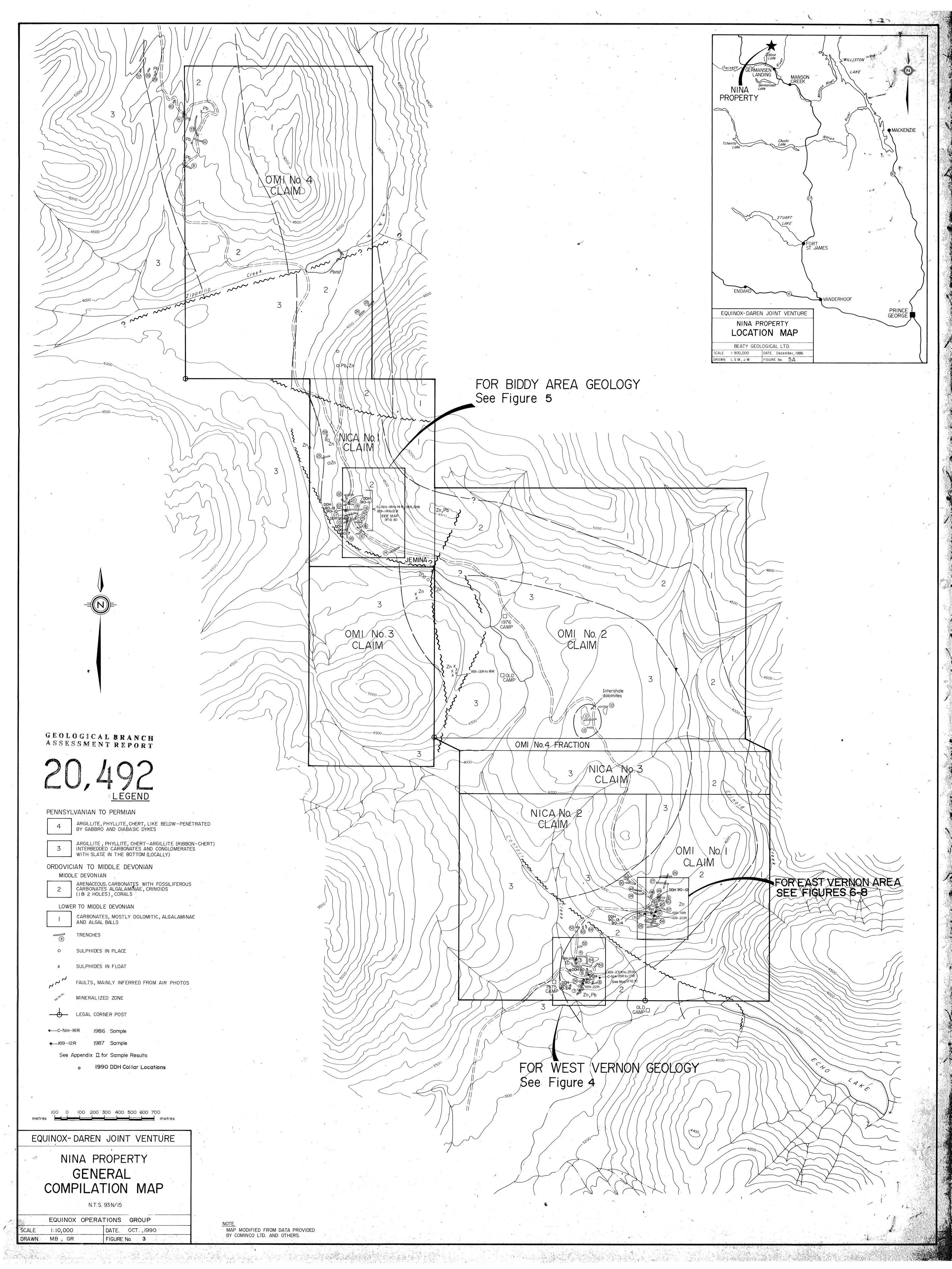
SAMPLE#	Mo	Cu	Pb	Zn	Ag	Nī	Co	Mn	Fe	As	Ų	Au	Th	Sr	Cd	Sb	Bi	v	Ca	P	La	Сг	Ma	Ba	TI		A 1	Na	K	Au*
	bbw	ppn	ppm	ppm	ppm	ppm	рря	ppm	X	ppm	ppm	ppm	ppm	ppm	ррп	ppm	ppm	ppm	*	X	ppm	ppm	%	ppm	`X	ppm	Ωx.	*	1000-000-	ppb
E 44963	1	1	5	381	.2	2	1	91	.14	2	5	ND	1	81	.6	2	2	7	22.17	017	,	4	5 //	0/0				~ ~ ~		
E 44964	23	26	70	15773	1.1	71	14	104	3.74	29	5	ND	1	145	73.1	Ē	5	-	18.28		2	<u>+</u>	5.66		- 00.000 (0.000 -		.05	.01	.01 1	6
E 44966	3	5	156	674	3	15	2		1.09		ś	ND	4	451	3.5	z	2				ć,		7.83	31		5	-14	.02	.02 1	3
E 44967	8	5	623		<u> </u>		7		1.42		17	ND	÷			27	2		15.22		4	4	6.95	54	0.000.00000	2	.14	.01	.03 1	2
E 44968	7	12	24	1742		20	7		1.47		11		2	253	3.2	2			13.29		4	18		115	Noniversion.		1.45	-02	.30 1	2
	1	16	24	1146		20	2	14Ų	1.47	12	11	ND	2	406	7.8	5	2	16	18.60	.205	5	10	8.32	56	.01	5	.39	.02	.10 💮 1	1/
E 44969	1	4	48	816	.2	11	2	72	.70	2	5	ND	1	685	3.7	2	,	7	13.30	010	1	6	4.58			-		~		
E 44970	5	12	34	96	.2	42	9	103	2.17	10	ō	ND	2	188	ġ.	5	2		11.51		-				.01		.10	.01	.03 1	11
E 44971	8	2	31	170	20 A	27	82	79	.95	2	18	ND		3420	11	5	2		16.29		17	440	5.32		.01		1.32	.02	.15 1	2
E 44973	23	40	94	31091	1 8	27	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	136		22	5	ND	4		114.2	2	2				13	119		26044	.01	15 ʻ		.01	.06 1	1/
E 44980	23	43		25413		29	7		2.88	38	2					8	2		22.60		5	9	10.45	2560	000000000000	2	.30	.02	.03	3
-		45	E10			27	ſ	101	2.00	ಿಂ	2	ND	1	157	126.2	8	3	9	19.09	.019	3	2	9.66	23	.01	5	.04	.02	.01 1	4
E 44981	7	22	85	17434	1.2	12	3	124	.83	23	5	ND	2	151	73.1	7	2	10	21.28	.025	2	7	0.64			-	~ 7	~~		: _
E 44982	18	21			3.1	26	Ā		2.33	41	ŝ	ND	1	149	46.0	4	2				2	Ś	9.51	33	$(Q_{ij}^{*}) = (Q_{ij}^{*}) = (Q_{$	5	.07	.02	.02 1	1/
L					<u> (1977-1766) (</u>				<u> </u>	<u> </u>		NU	1	147	40.V	0	_ 2	10	19.14	.021	2	6	8.56	24	.01	2	.07	.02	.01 1	1 /

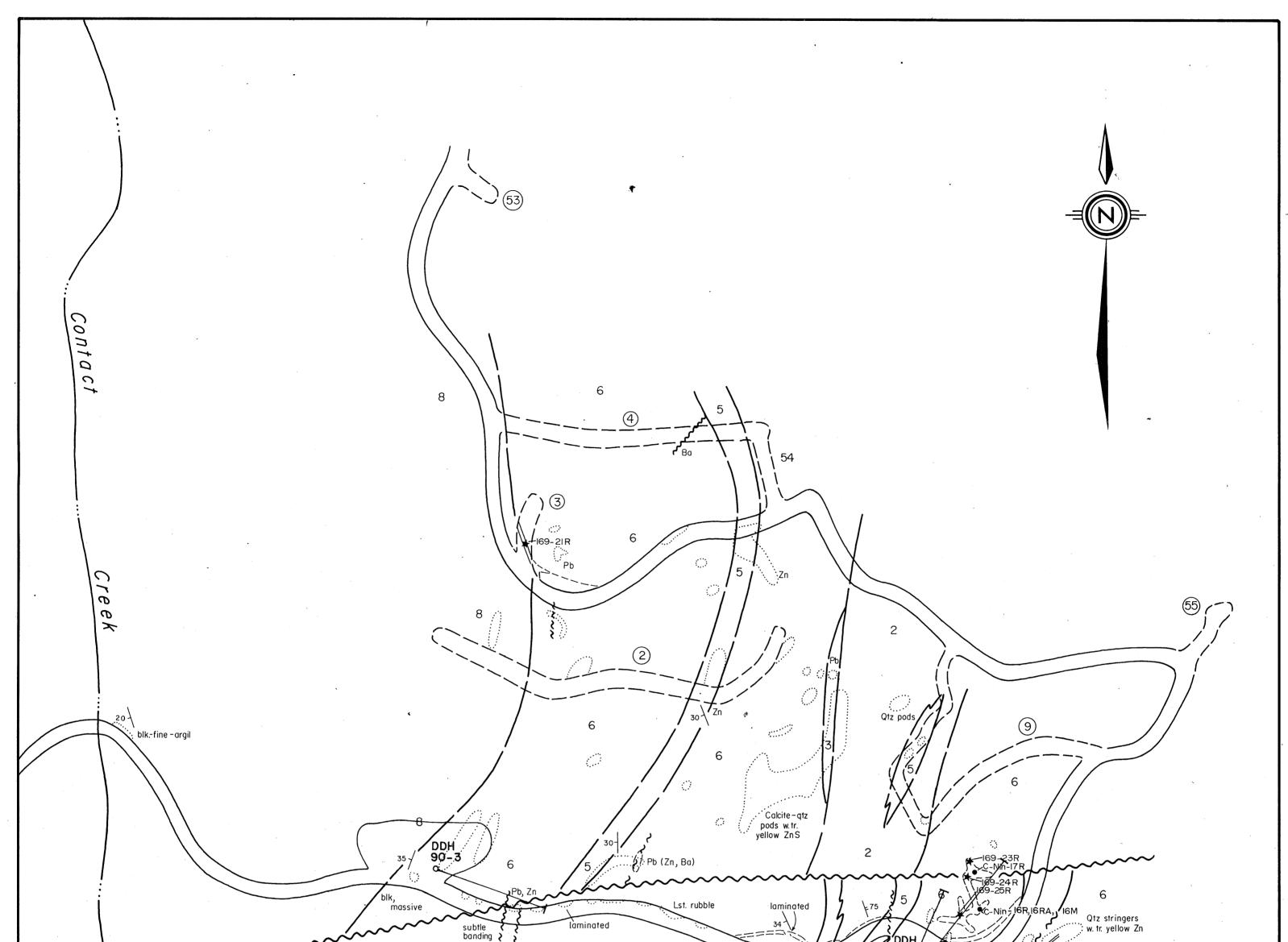
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SAMPLE#	Мо	Cu	РЬ	Zn Ag	Ni	Со		Fe As	U	Au	Th	۶r	Cd	Sb	Bi	٧	Ca P	La	Cr Mg	Ba Ti	В	AL	Na	K W	Au*
	ppm	ppm	ppm	ppm ppm	ppm	ppa	ppm	X ppm	ppm	ррт	ppm	ppm	ppa	ppm	ppm	ppm	X X	ppm	ppm %	ppm 🏾 🏌	ppm	X	*	% ppm	ppb
E 44995	10	19	76	1420 .9	24	2	186	5.25 79	5	ND	1	87	6.8	8	3	8 1	6.61 .036	2	7 8.28	26 .01	2	.18	.02	.06 1	1
E 44997	15	12	. –	2727 .6	22	4	178	1.02 31	9	ND	2	131	7.5	5	2	10 2	21.53 .256	5	6 9.35	80 .01	2	.61	.02	.10 1	4
E 44998	5	5	10	1386 .4	6	1	126	.38 3	5	ND	2	103	5.5	2	3	7 2	21.35 .077	2	2 9.64	171 .01	3	.06	.02	.01 1	- i





1 <u>-</u>	LEGEND	foss ? Ba,Zn Ba,Zn
	9 Shale-black, soft and fissle, cleaves into thin plates. Locally oxidized. Local slate development as medium grey f.g. platy	18/ 169-22R 5 2
	8 Limestone-Usually light to medium grey, fine grained, massive. Bedded in 1 to 2 ft. beds.	
	7 "Crinoidal" Lst Black to dark grey f.g. Crinoids and brachiopods disseminated throughout at 15-20%. White silicified agal beds common.	8 Slickensides
	6 Dolomite - Varies in colour from It. grey to dark grey. Usually fine grained, massive but locally coarser. Pyrobituam in trace amounts.	4
	5 Crinoidal foss. dolo. – Black f.g. massive. Often has two-hole crinoids. Locally weathered to crumbly material.	20- Zn 4
	4 Coarse xly dolo.— (gradational between 6 and 3). Medium grey, medium grained Often medium grey dolo.xlys with black carbanaceous matrix.	
	3 Impregnated dolo.— Brecciated medium grey f.g. dolomite infilled with white sparr dolomite. Zoning common. Intensity of replacement variable from true breccia w matrix to completely replaced with only white dolomite. Most often original rock type was 6. Not bedded.	
	2 Arenaceous dolo.— Small black rounded atz grains set in medium grey, usually f.g. dolo. (usually as 6) Qtz content very variable.	
	Sandstone—Large local lenses of small rounded qtz. grains with minor interstitia dolomite. Porous. Resistant and massive. Interpreted aeolian source.	metres
	Argillite — Grey to green fine grained lensoid.	EQUINOX-DAREN JOINT VENTUR
	Zn, Pb sulphides (disseminated, massive)	GEOLOGICAL BRANCH ASSESSMENT REPORT NINA PROPERTY
	Trench outline C-Nin-IGR 1986 Sample	ASSESSMENT REPORT NINA PROPERTY
	::: Outcrop	WEST VERNON AREA
	Fault See Appendix II for Sample Results	GEOLOGY, GEOCHEMISTRY
r.	15 Bedding attitude 0 1990 DDH Collar & Trend	8 1990 DRILL HOLE LOCATION
	Old hand trench	
	(17) Trench number	NOTE.
		MAP MODIFIED FROM DATA PROVIDED SCALE. 1:1000 DATE. OCT., 1990 BY COMINCO LTD. AND OTHERS. DRAWN. MB, GR FIGURE No. 4

