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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

OWNERS: Equinox Resources Ltd.
Daren Resources Ltd.

AUTHOR: Mark E. Baknes, M.Sc.

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

DATE OF REPORT: Oct. 26, 1990

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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.

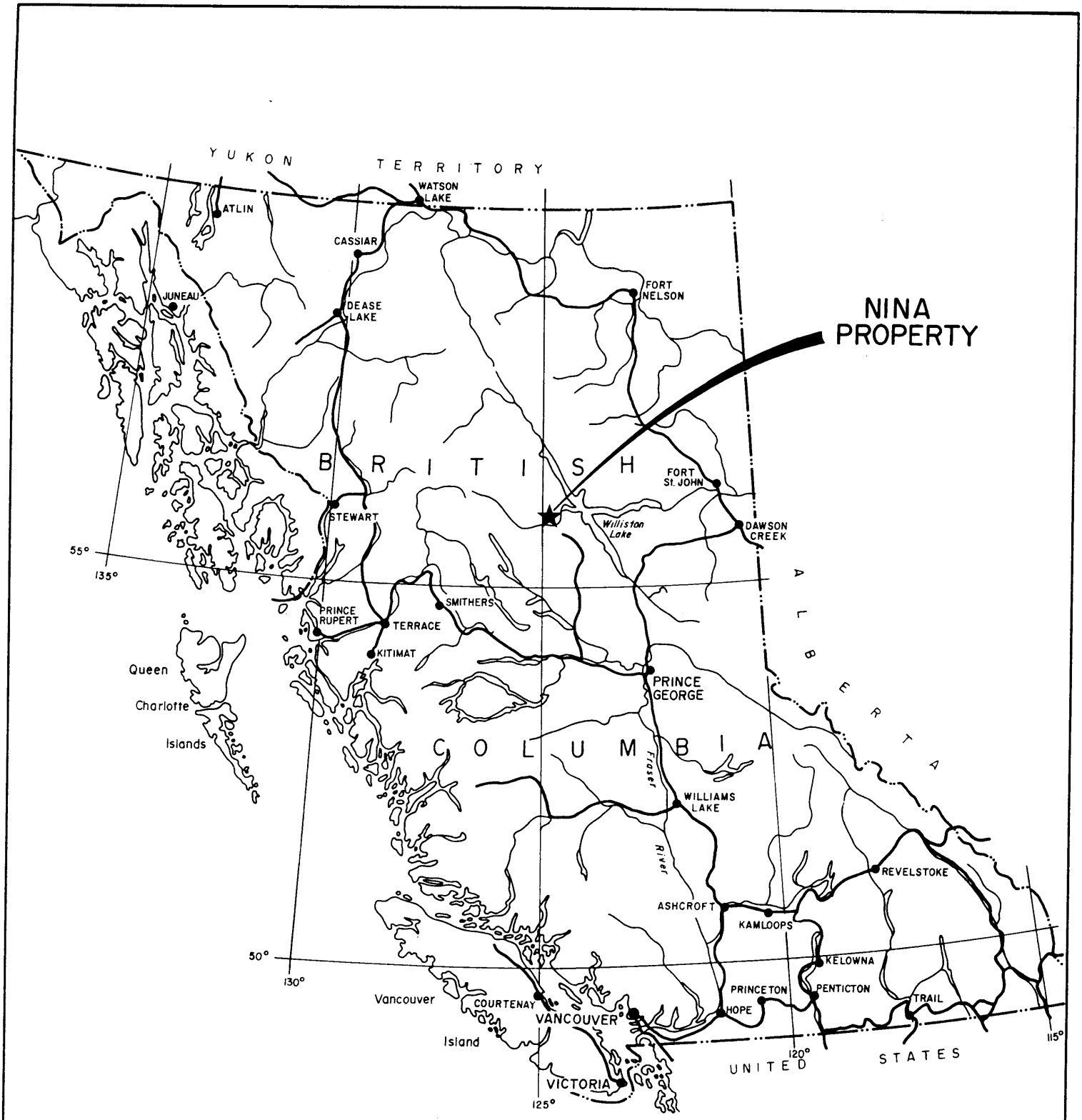
Drilling was aimed at intersecting down dip extensions to sphalerite and lesser galena mineralization originally uncovered by Cominco trenches and subsequently sampled by Equinox in 1986. The Equinox results showed that sphalerite mineralization contained very high concentrations of germanium (Ge) and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



EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY
LOCATION MAP

EQUINOX OPERATIONS GROUP

SCALE. As shown	DATE. Oct., 1990
DRAWN. M.B, G.R.	FIGURE No. 1

2 INTRODUCTION, LOCATION, CLAIMS, HISTORY

2.1 Introduction

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

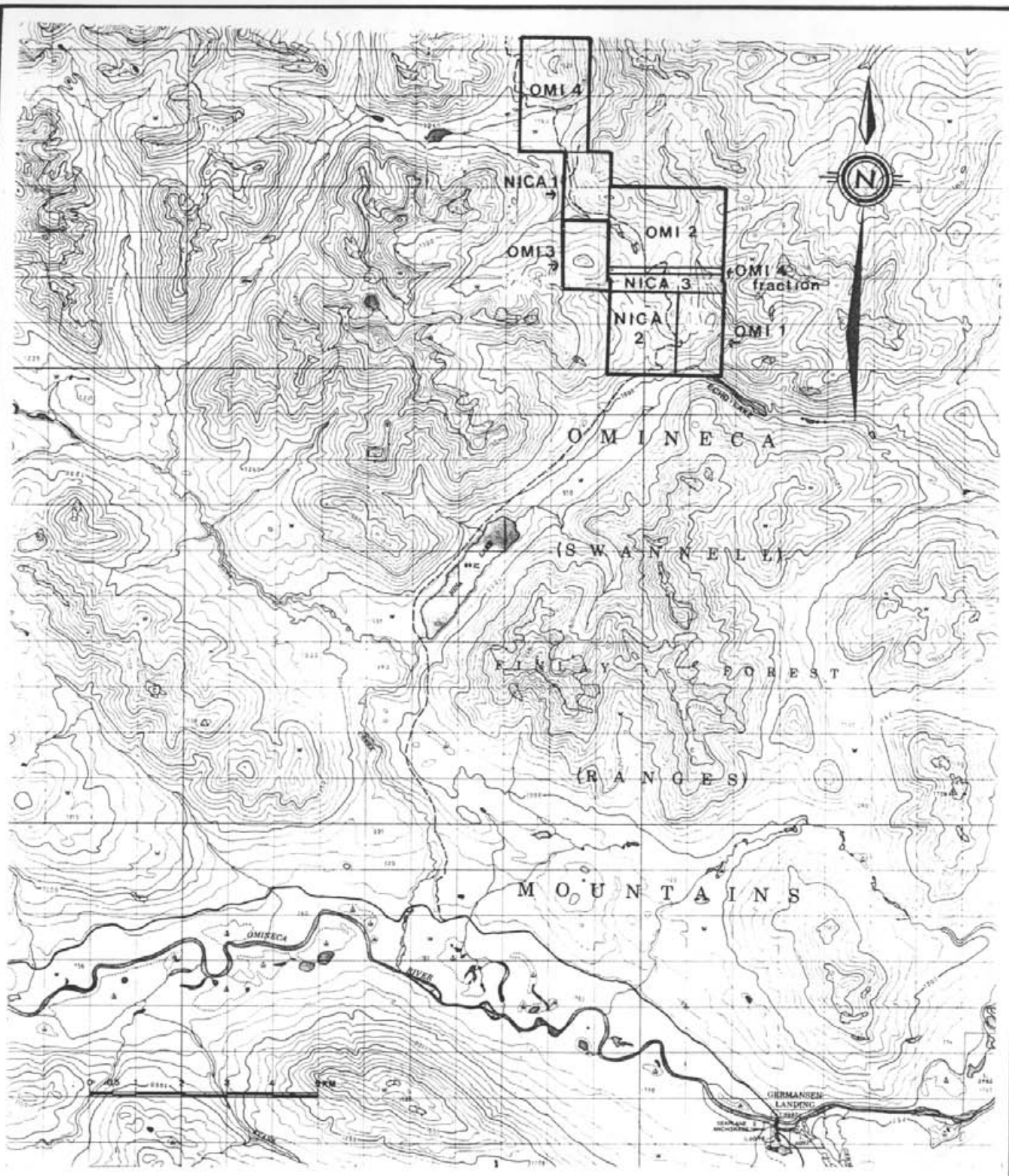
The NINA property is located 20 km northwest of Germansen Landing in north-central British Columbia. The nearest town is MacKenzie, approximately 140 km to the southeast. The property is accessed via a 16 km four wheel drive road that leaves the Omineca mining road 10 km west beyond Germansen Landing. 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



LEGEND

PROPERTY BOUNDARY

CLAIM LINE

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY

CLAIM MAP

EQUINOX OPERATIONS GROUP

SCALE 1:125,000	DATE Oct., 1990
DRAWN MB, GR	DRAWING No. FIGURE 2

2.4 History

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 GEOLOGY

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.

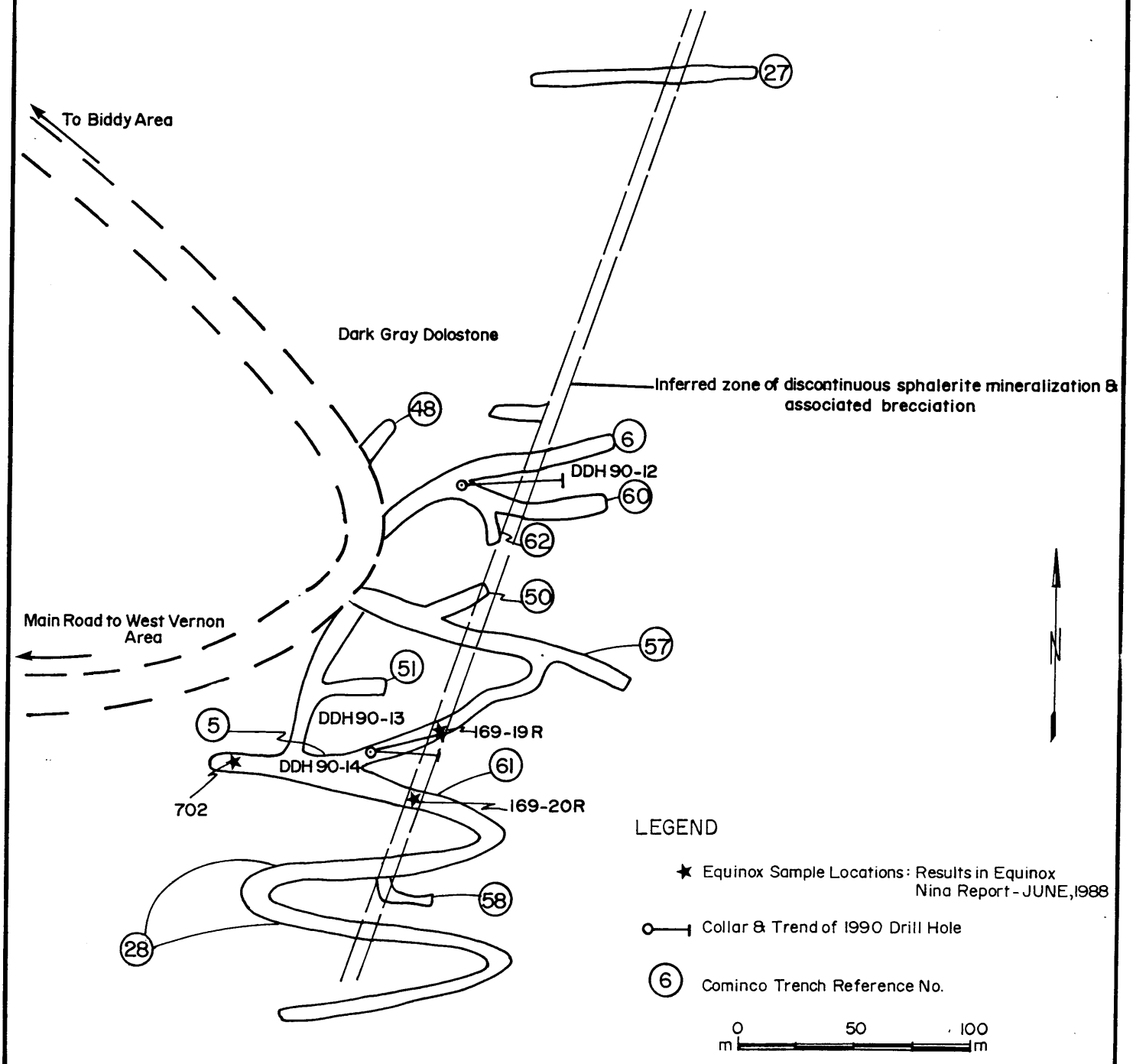
The general geology, including major lithologic contacts and structural features, is shown on figure 3. The strata in Nina property area forms a general homoclinal succession, interrupted by open folds and faulting, that dips westward from the high grade metamorphic axis of the Wolverine complex.

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 width. Perhaps the best indications of a significant 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

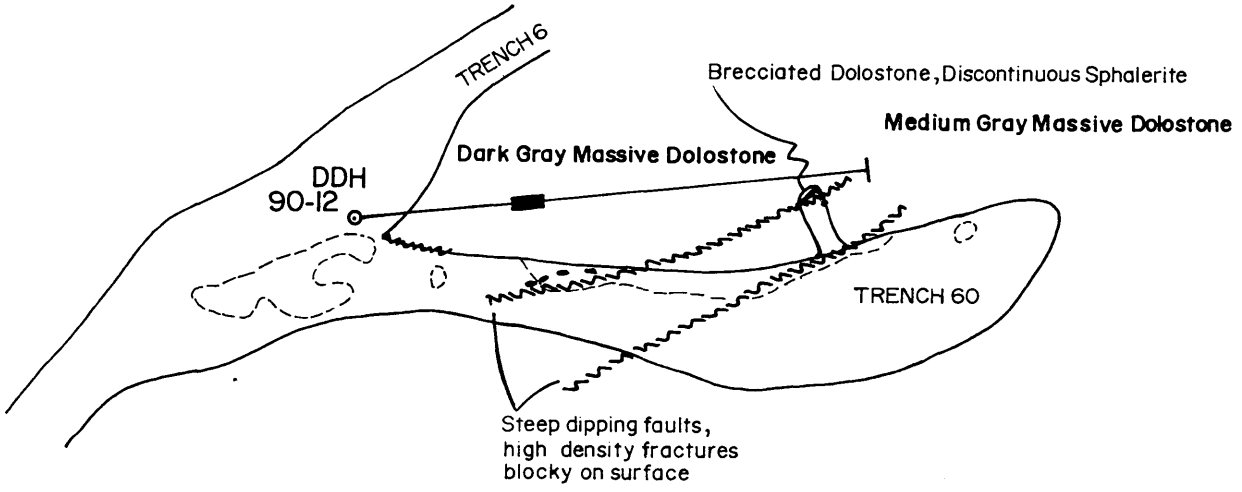
The intent of the drilling program was to determine if the surface mineralization continued down dip and if the mineralization was more continuous than that exposed on surface. It was also hoped that drilling might indicate what the mineralization controls were.

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.



DATA FROM COMINCO TRENCH MAPS

EQUINOX-DAREN JOINT VENTURE	
NINA PROPERTY EAST VERNON AREA TRENCH WITH SAMPLE & DRILL HOLE LOCATIONS	
EQUINOX OPERATIONS GROUP	
SCALE 1:2500	DATE OCT., 1990
DRAWN MB, GR	FIGURE 6



LEGEND

- Collar & Trend of Drill Hole
- Mineralized Intersection Projected Vertically to Surface
- Bedding Attitude
- Outcrop
- Fault
- Discontinuous Sphalerite

0 10 20
m m

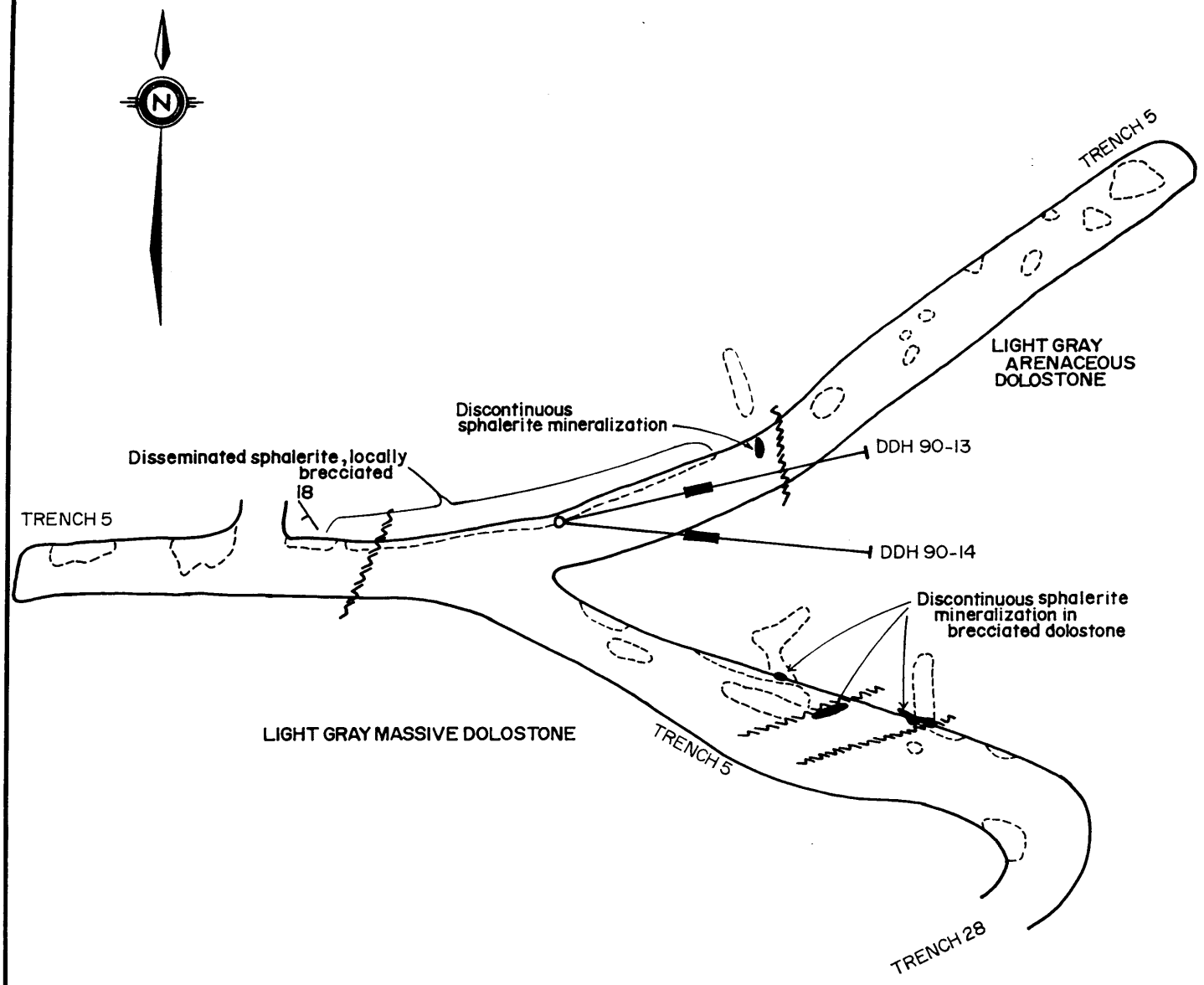
DATA FROM COMINCO TRENCH MAPS

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY
EAST VERNON AREA
TRENCH MAP & DDH 90-12

EQUINOX OPERATIONS GROUP

SCALE 1:500	DATE OCT., 1990
DRAWN MB, GR	FIGURE 7



LEGEND

- Collar & Trend of Drill Hole
- Mineralized Intersection Projected Vertically to Surface
- Bedding Attitude
- Outcrop
- Fault
- Discontinuous Sphalerite

0 10 20
m m

DATA FROM COMINCO TRENCH MAPS

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY

EAST VERNON AREA

TRENCH MAP & DDH 90-13,14

EQUINOX OPERATIONS GROUP

SCALE 1:500	DATE OCT., 1990
DRAWN MB, GR	FIGURE 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 east-west 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 Biddy Area

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

8.

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 semi-continuous zone of mineralization.

TABLE 2: HIGHLIGHTS OF 1990 DRILL RESULTS

DDH 90-1

Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	Weighted Averages				
	20.97-22.2	1.30	1.61	0.01	1.78
	OR				
	21.66-22.2	0.61	2.73	0.01	3.34
	Individual Samples				
44955	22.41-22.6	0.20	1.24	0.01	1.70
44954	22.00-22.2	0.27	3.21	0.01	3.90
44953	21.66-22.0	0.34	2.34	0.01	2.90

DDH 90-2

Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	Weighted Averages				
	30.02-31.1	1.11	1.65	0.01	1.99
	Individual Samples				
44958	22.36-22.5	0.23	3.17	0.01	3.39
44959	30.02-30.5	0.55	2.22	0.01	2.80
44960	30.57-31.1	0.56	1.10	0.01	1.20

DDH 90-3

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

DDH 90-6

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

DDH 90-7

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

DDH 90-8

Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	Weighted Averages				
	9.12-10.00	0.88	5.57	0.01	6.57
	OR				
	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

DDH 90-10

Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	Weighted Averages				
	5.85-6.82	0.97	2.69	0.01	3.46
	OR				
	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	0.25	1.71	0.01	1.40
45000	5.85-6.10	0.25	5.44	0.01	8.40
44101	6.10-6.46	0.36	2.83	0.01	2.90

DDH 90-11

Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	Weighted Averages				
	23.20-25.1	1.98	1.26	1.10	1.46
	OR				
	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

Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	Weighted Averages				
	16.00-18.5	2.56	1.27	0.01	1.69
	Individual Samples				
44118	19.64-20.6	1.01	1.00	0.01	1.60
44117	17.37-18.5	1.19	1.37	0.01	1.90
44116	16.00-17.3	1.37	1.18	0.01	1.50

DDH 90-13

Weighted Averages					
Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	14.33-18.1	3.79	2.17	0.01	2.58
	OR				
	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	0.62	3.09	0.01	5.90
44124	16.88-17.5	0.62	7.42	0.01	50.80
44123	16.03-16.8	0.85	1.95	0.01	1.60

DDH 90-14

Weighted Averages					
Sample	Interval(m)	Width(m)	% Zn	% Pb	Ge ppm
	13.75-17.7	4.00	4.91	0.01	4.33
	18.05-19.0	1.00	0.52	0.01	0.37
	Individual Samples				
44126	13.75-14.4	0.66	5.55	0.01	6.80
44127	14.41-15.2	0.87	4.87	0.01	6.50
44128	15.28-17.7	2.47	4.75	0.01	2.90

6 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

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 Recommendations

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.

STAGE II

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	$89,500

7 STATEMENT OF COSTS

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

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.

2. 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.

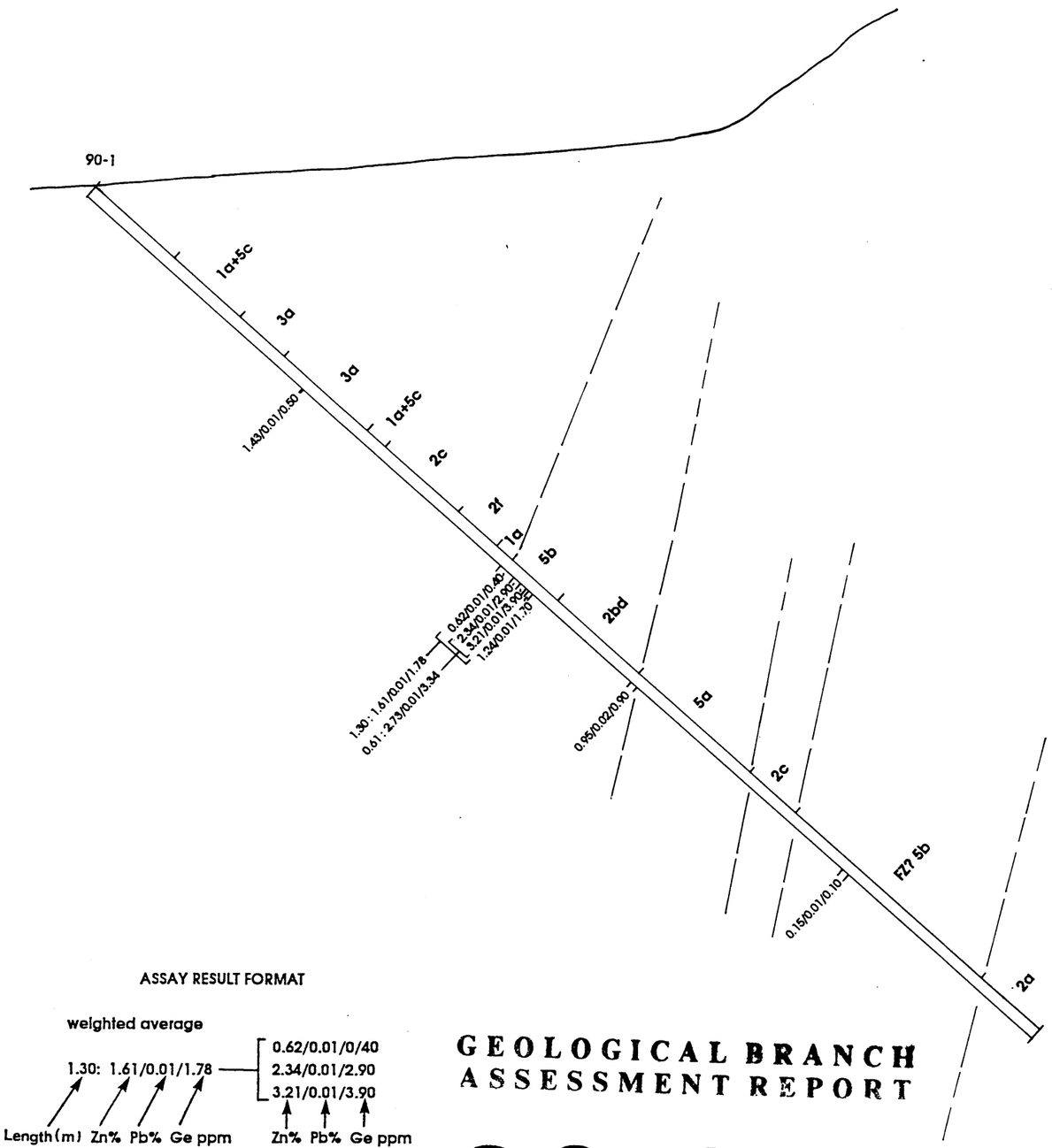
Dated at Vancouver, British Columbia, this 26 day of October, 1990.

M E Baknes

Mark E. Baknes

APPENDIX I

Diamond Drill Hole Cross Sections



LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments. 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.

- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

ASSAY RESULT FORMAT

weighted average

1.30: 1.61/0.01/1.78 — [0.62/0.01/0/40 ; 2.34/0.01/2.90 ; 3.21/0.01/3.90]

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

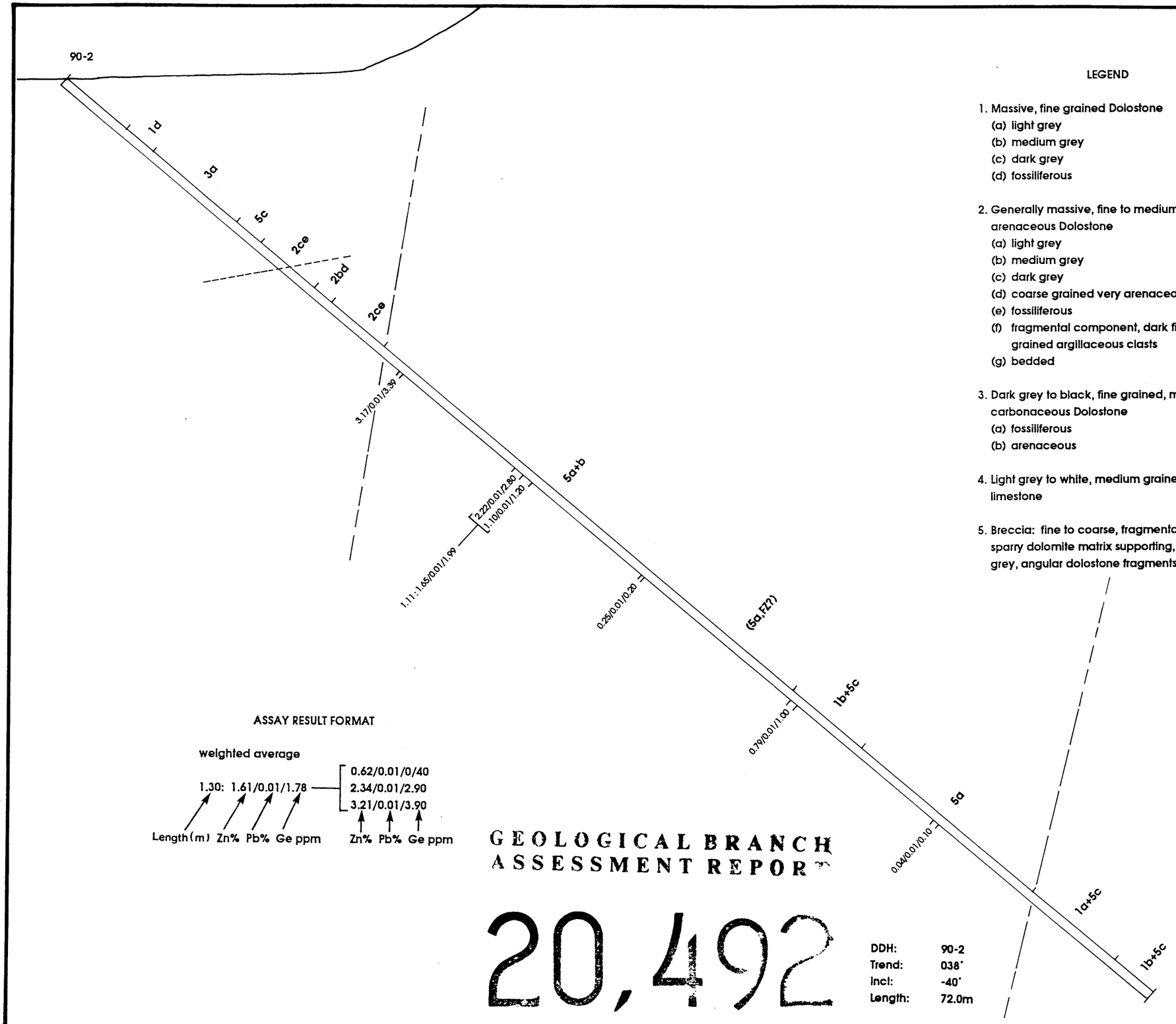
DDH: 90-1
Trend: 023°
Incl: -42°
Length: 47.8m

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



LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments. 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.

- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

ASSAY RESULT FORMAT

weighted average

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

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

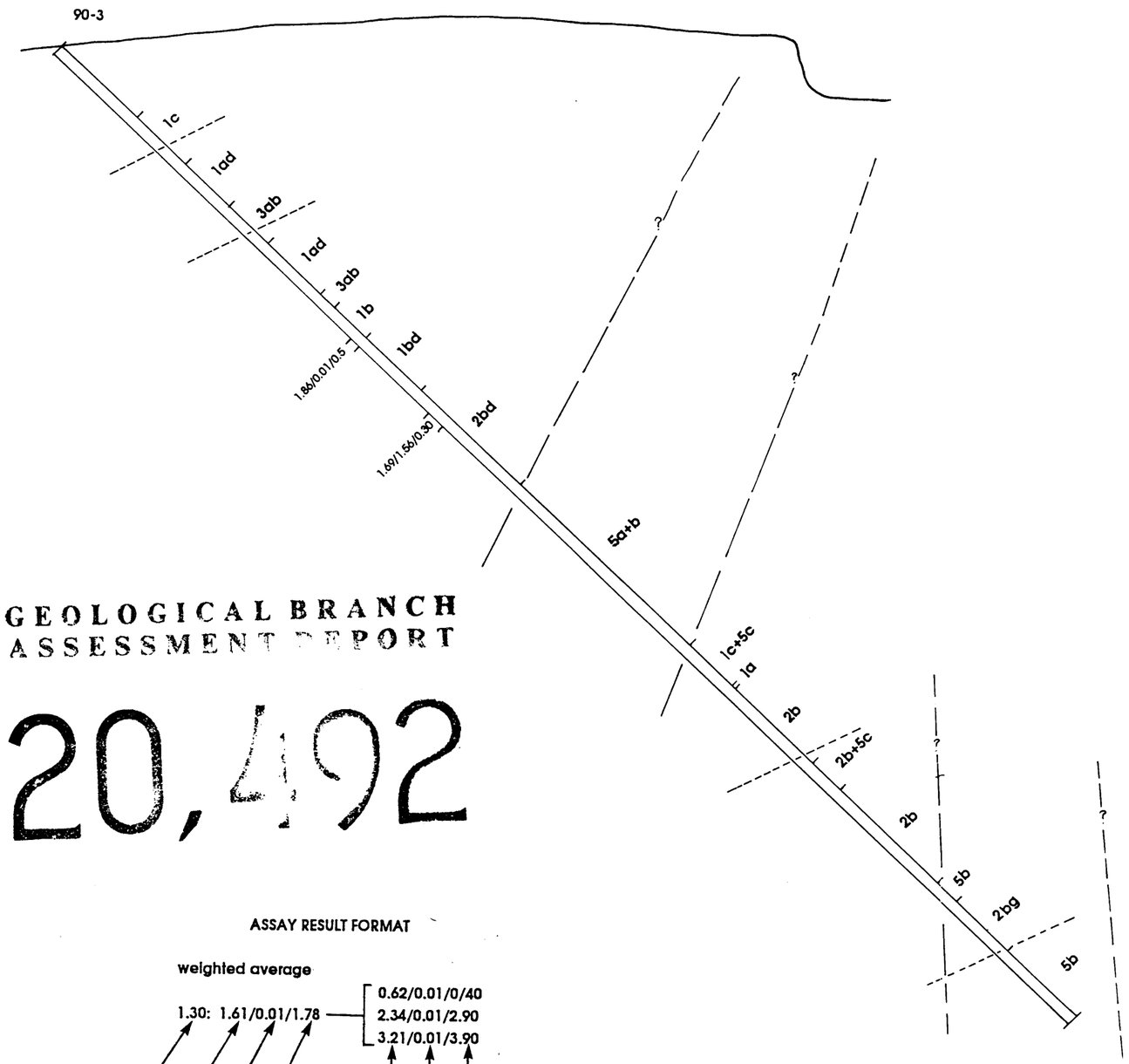
DDH: 90-2
Trend: 038°
Incl: -40°
Length: 72.0m

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY
WEST VERNON AREA
DDH 90-2

EQUINOX OPERATIONS GROUP

SCALE 1:200	DATE OCT., 1990
DRAWN MB, GR	FIGURE 10



ASSAY RESULT FORMAT

weighted average

1.30: 1.61/0.01/1.78 — 0.62/0.01/0.40; 2.34/0.01/2.90; 3.21/0.01/3.90

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

DDH: 90-3
Trend: 109°
Incl: -44°
Length: 53.9m

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments.
   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.

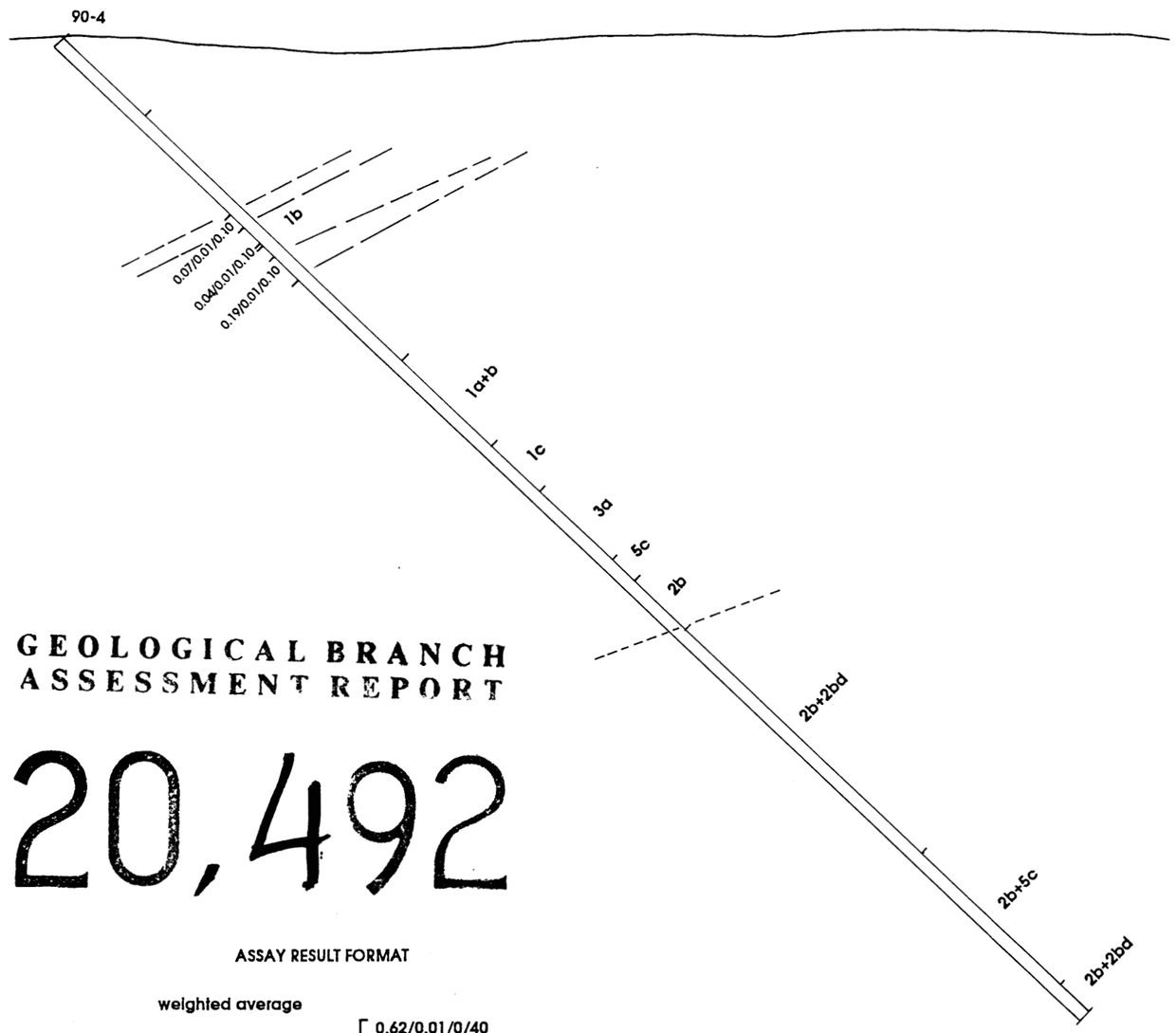
- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY
WEST VERNON AREA
DDH 90-3

EQUINOX OPERATIONS GROUP

SCALE 1:200	DATE OCT., 1990
DRAWN MB, GR	FIGURE 11



ASSAY RESULT FORMAT

weighted average

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

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

DDH: 90-4
Trend: 089°
Incl: -44°
Length: 50.0m

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments. 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.

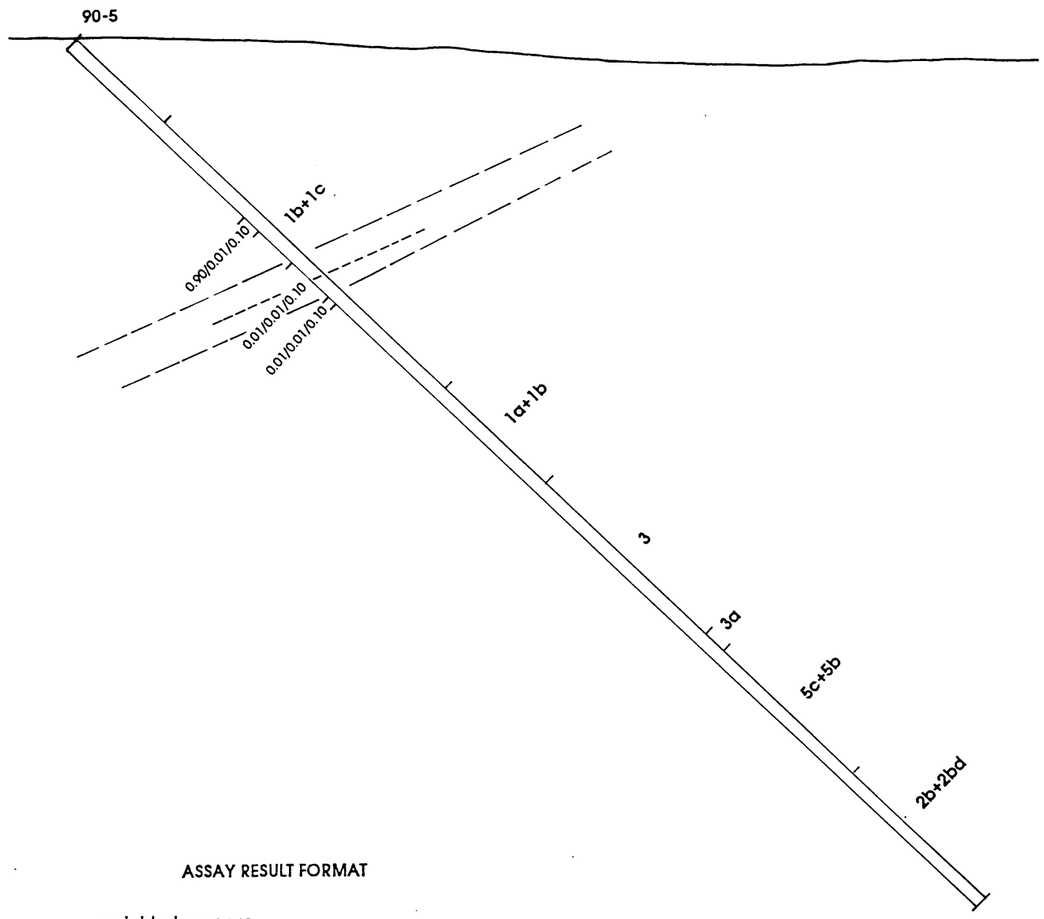
sph: Sphalerite mineralization, typically occurs as disseminated fine grains. When in higher concentrations often replaces breccia fragments or occurs as matrix component in arenaceous sections.

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.

- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

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



ASSAY RESULT FORMAT

weighted average

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

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

DDH: 90-5
Trend: 099°
Incl: -44°
Length: 41.8m

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments. 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.

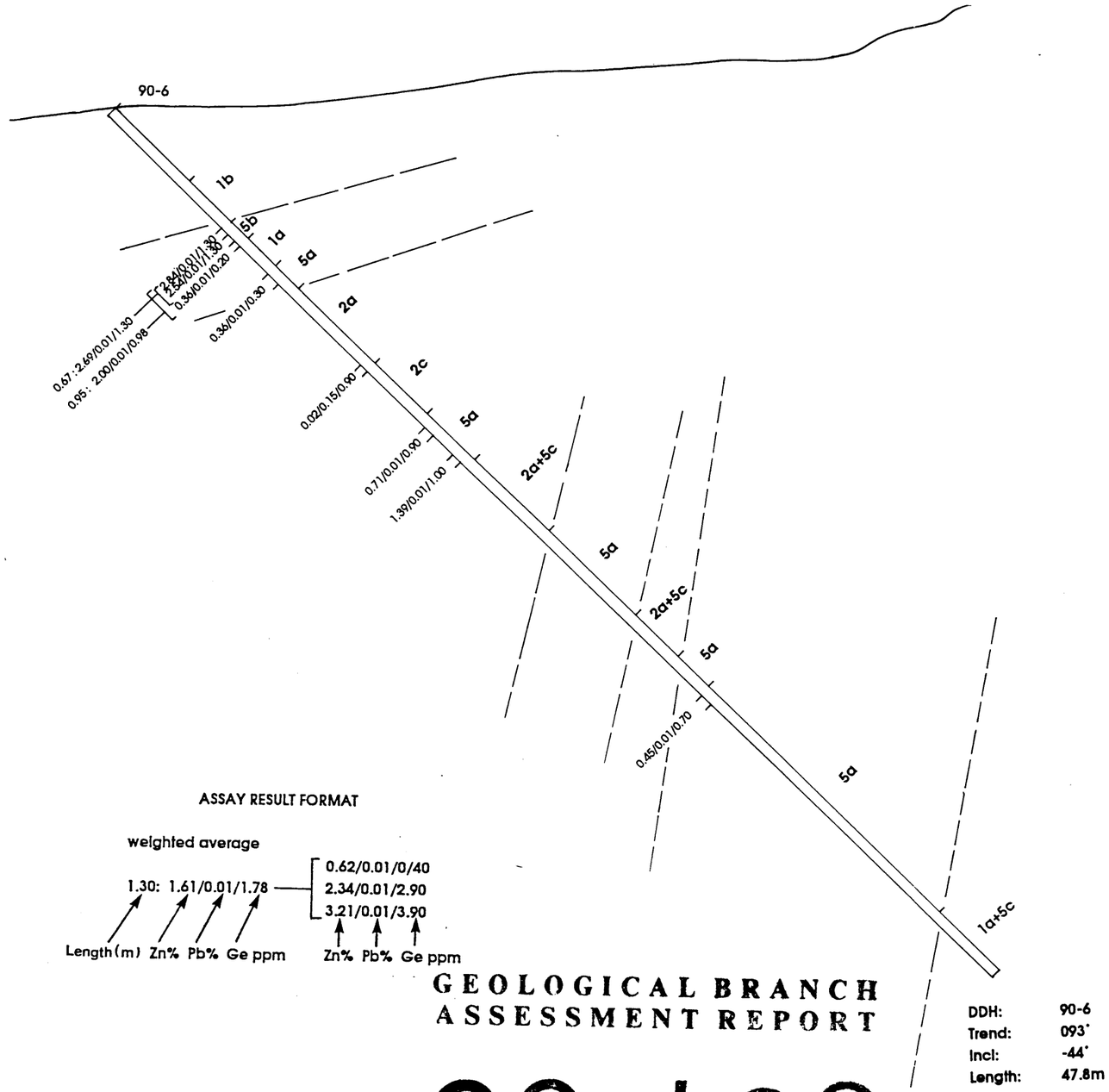
- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

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



ASSAY RESULT FORMAT

weighted average

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

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

DDH: 90-6
Trend: 093°
Incl: -44°
Length: 47.8m

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments. 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.

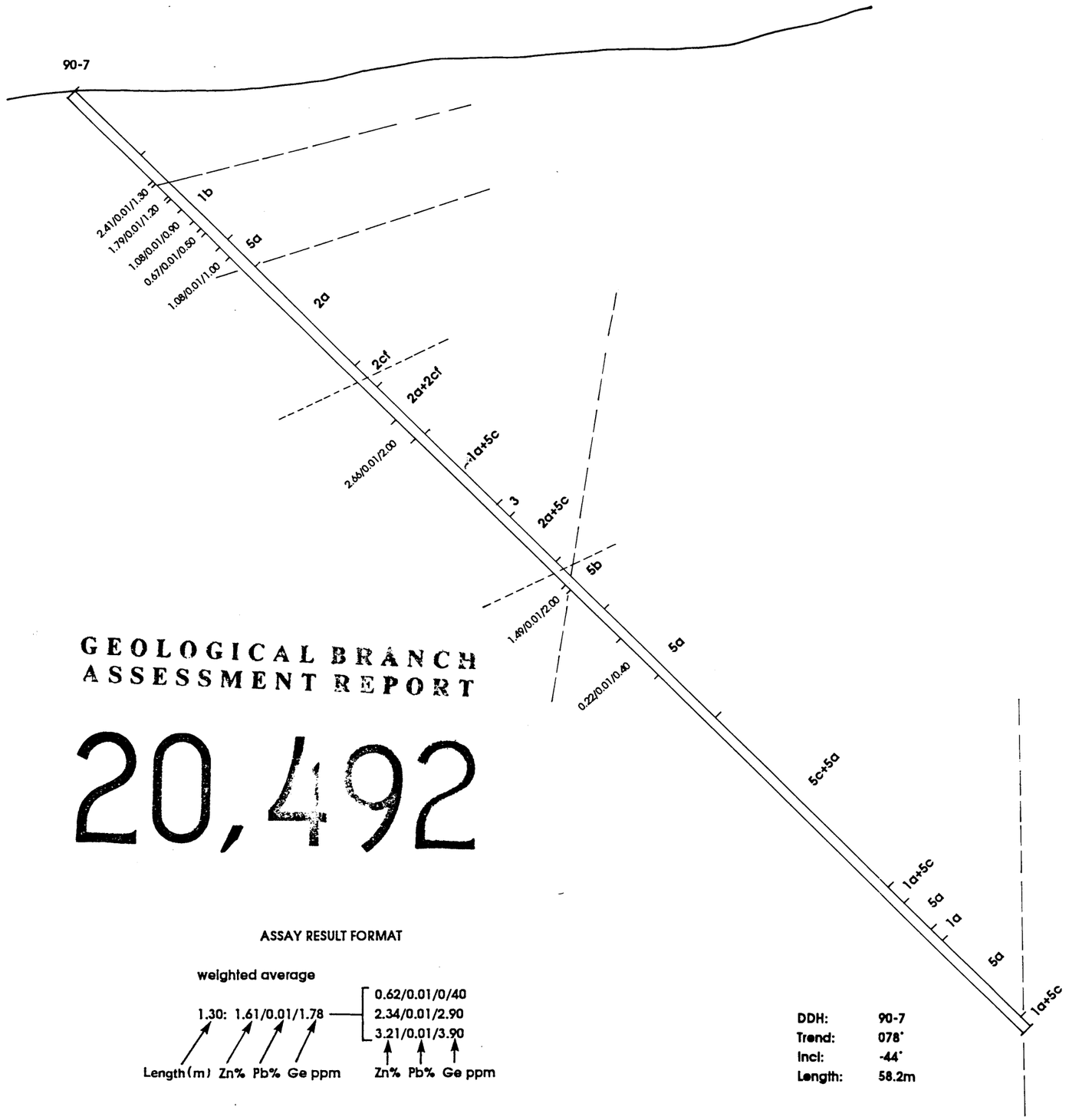
- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY
BIDDY AREA
DDH 90-6

EQUINOX OPERATIONS GROUP

SCALE 1:200	DATE OCT., 1990
DRAWN MB, GR	FIGURE 14



ASSAY RESULT FORMAT

weighted average

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

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

DDH: 90-7
Trend: 078°
Incl: -44°
Length: 58.2m

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments. 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.

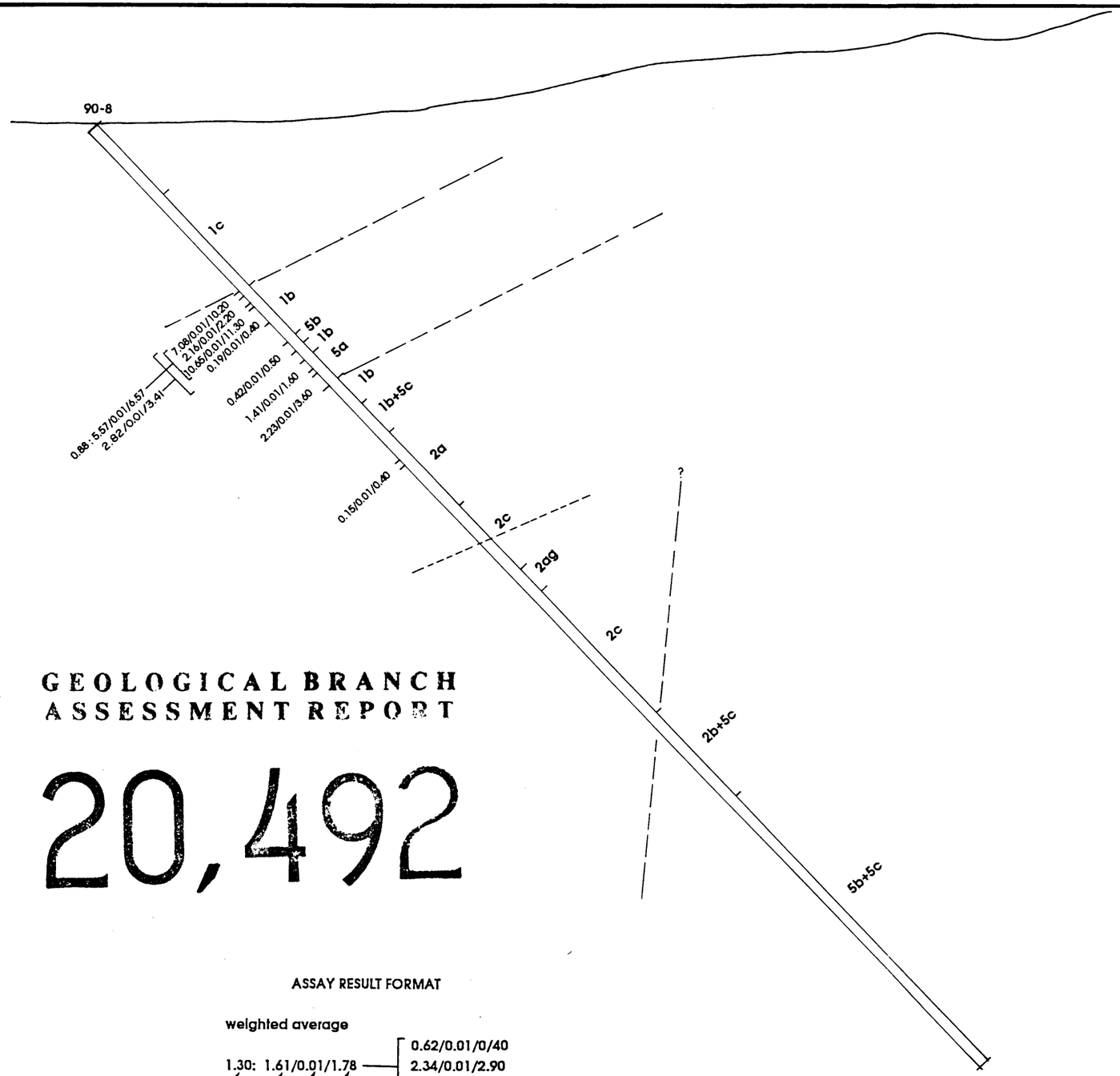
- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY
BIDDY AREA
DDH 90-7

EQUINOX OPERATIONS GROUP

SCALE 1:200	DATE OCT., 1990
DRAWN MB, GR	FIGURE 15



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,492

ASSAY RESULT FORMAT

weighted average

1.30: 1.61/0.01/1.78 — [0.62/0.01/0/40 ; 2.34/0.01/2.90 ; 3.21/0.01/3.90]

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

DDH: 90-8
Trend: 101°
Incl: -46°
Length: 35.7m

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments.
   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.

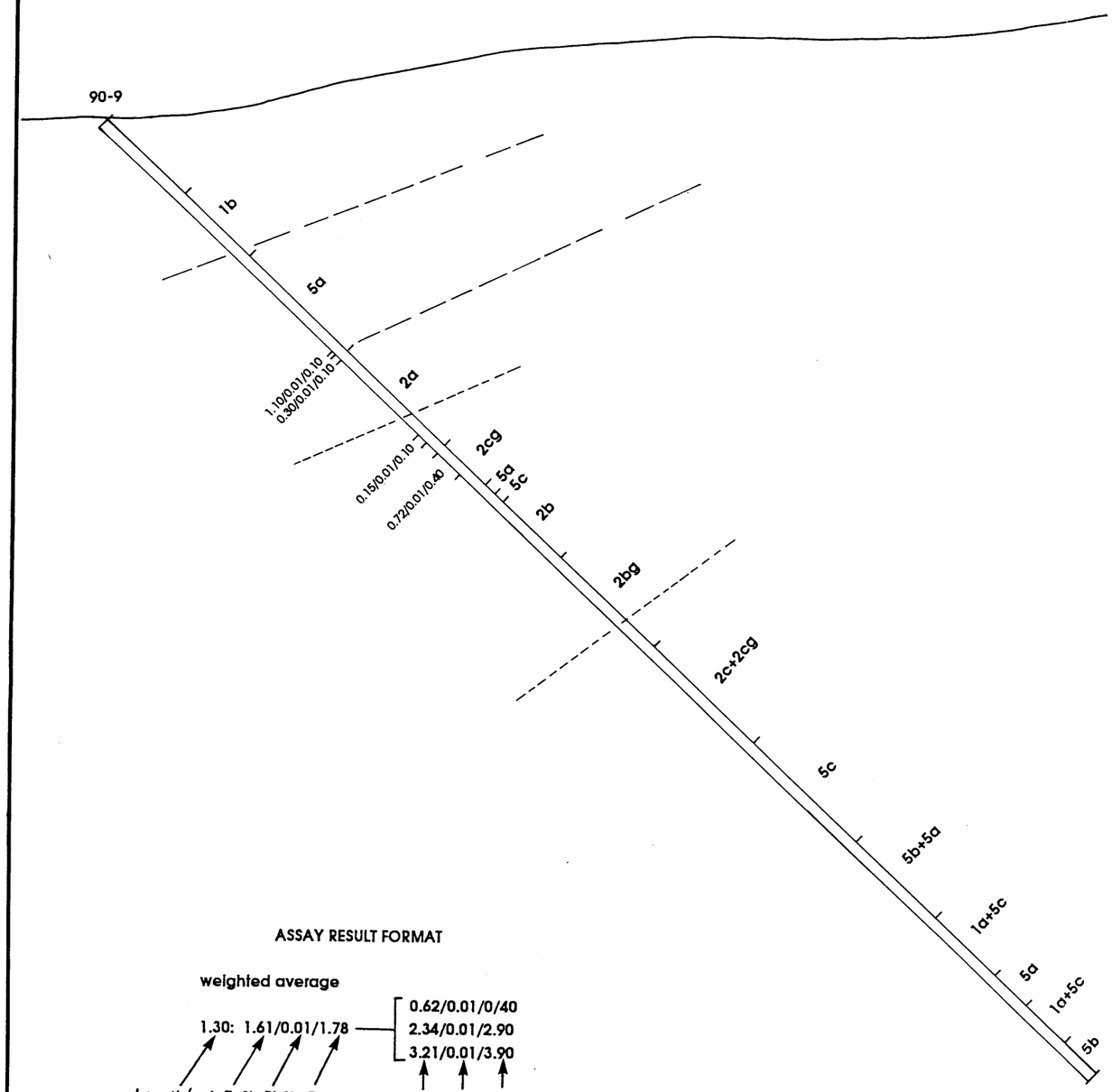
- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

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



ASSAY RESULT FORMAT

weighted average

1.30: 1.61/0.01/1.78 — [0.62/0.01/0/40 ; 2.34/0.01/2.90 ; 3.21/0.01/3.90]

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

DDH: 90-9
Trend: 083°
Incl: -44°
Length: 53.9m

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments.
   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.

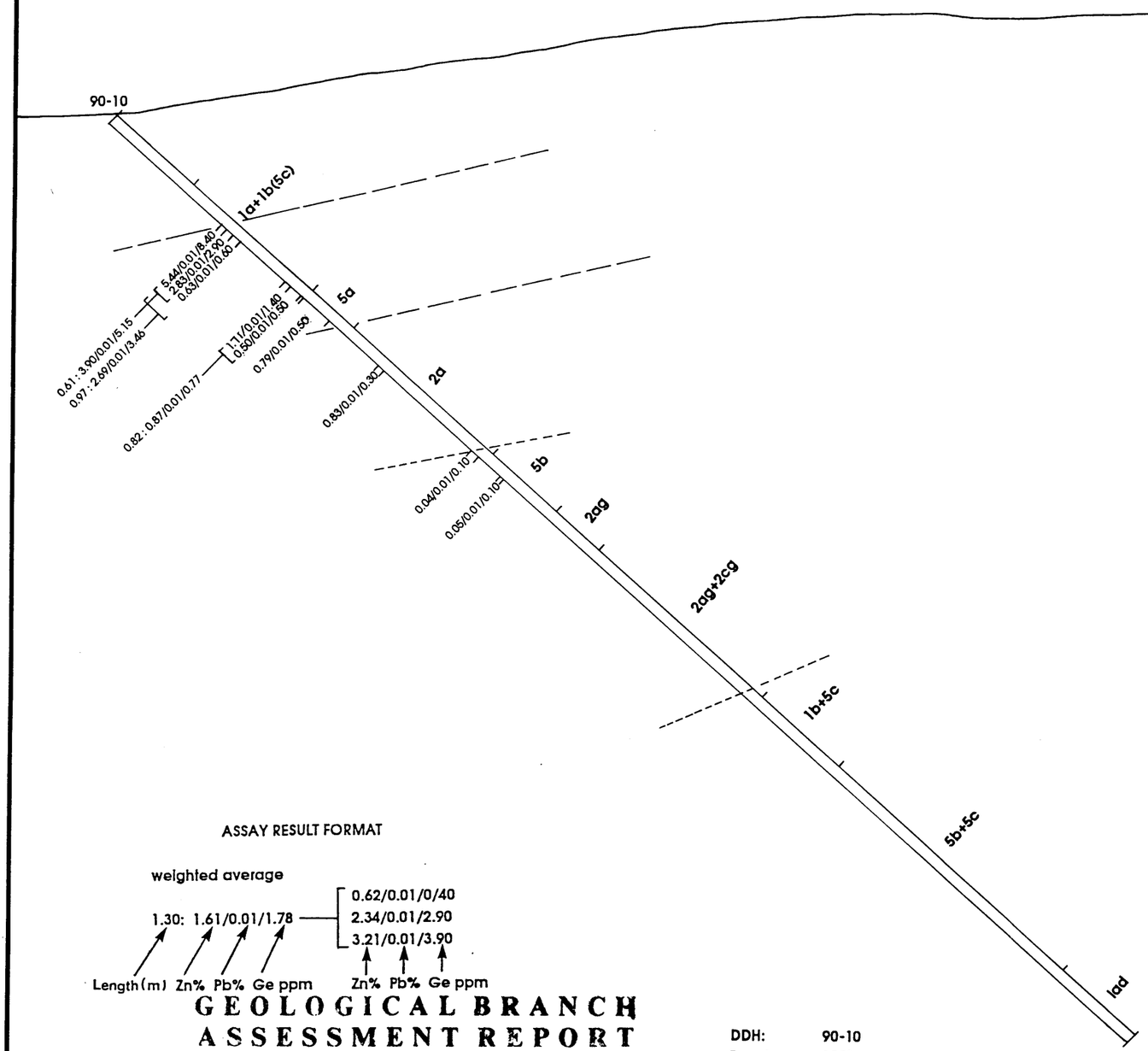
- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

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



ASSAY RESULT FORMAT

weighted average

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

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

DDH: 90-10
Trend: 055°
Incl: -42°
Length: 50.9m

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments.
   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.

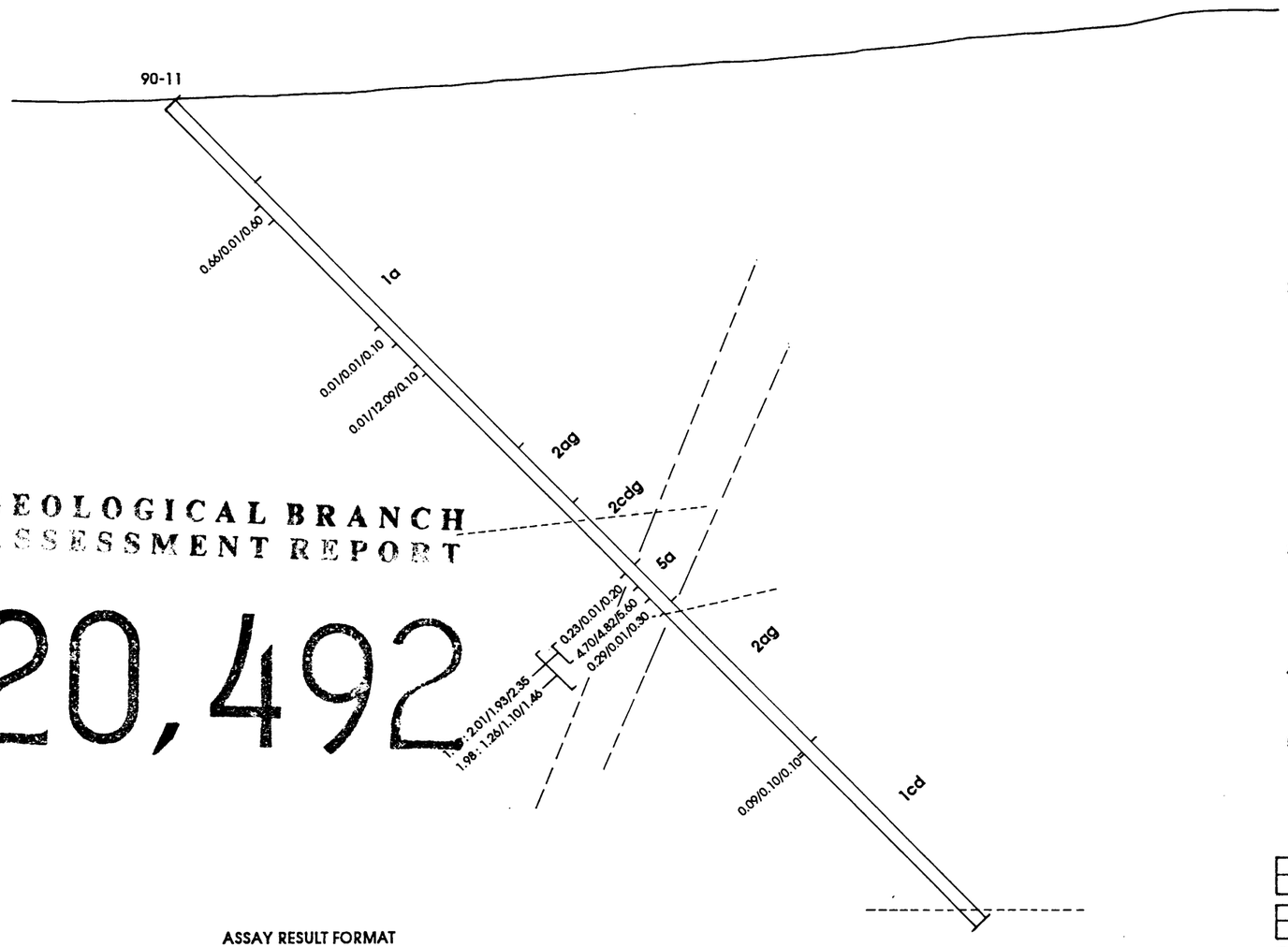
- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

EQUINOX-DAREN JOINT VENTURE

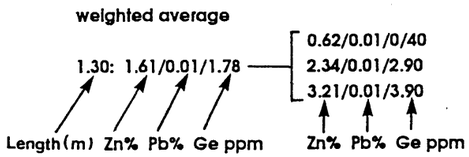
NINA PROPERTY
BIDDY AREA
DDH 90-10

EQUINOX OPERATIONS GROUP

SCALE 1:200	DATE OCT., 1990
DRAWN MB, GR	FIGURE 18



ASSAY RESULT FORMAT



DDH: 90-11
Trend: 049°
Incl: -45°
Length: 53.9m

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments.
   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.

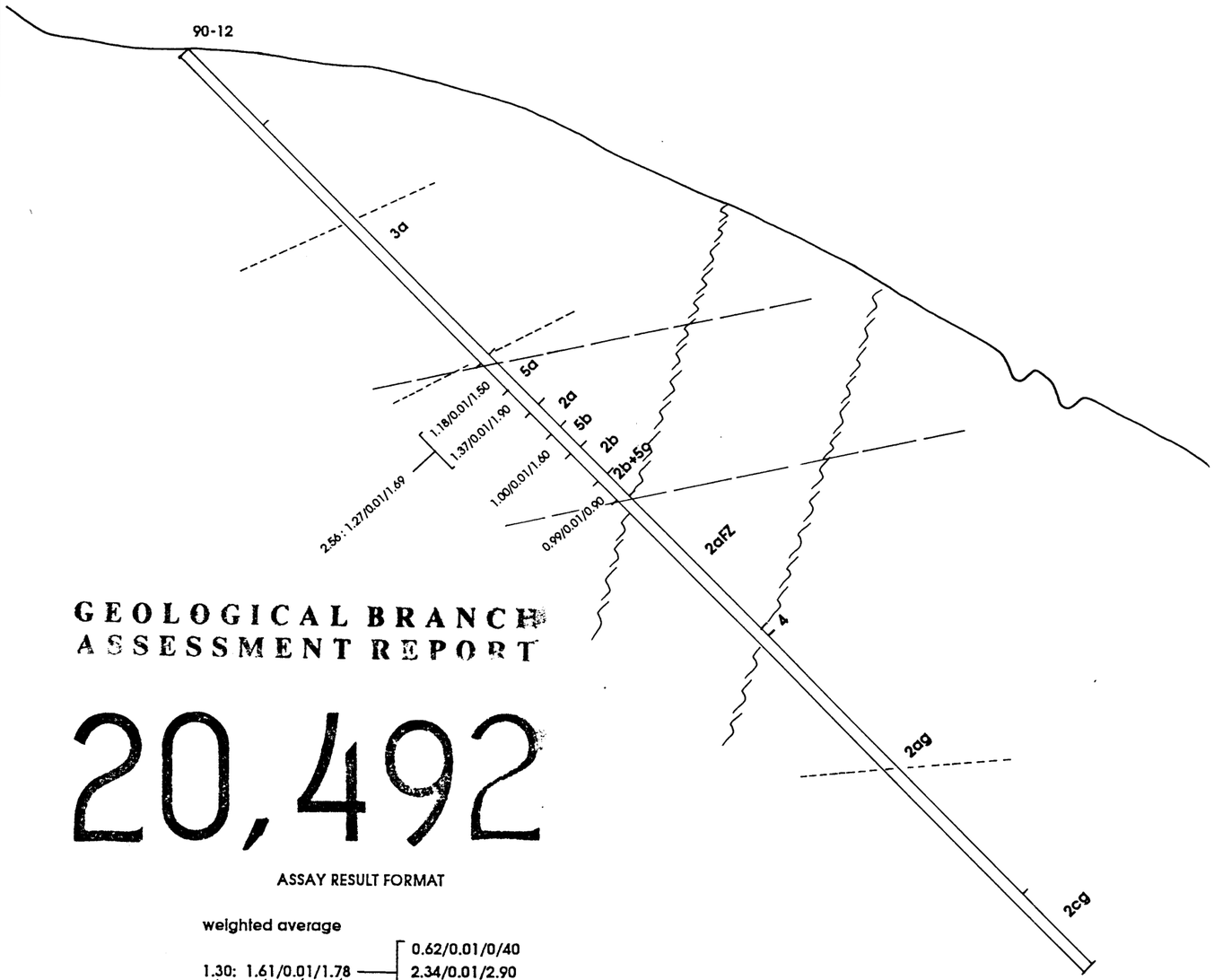
- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY
BIDDY AREA
DDH 90-11

EQUINOX OPERATIONS GROUP

SCALE	1:200	DATE	OCT., 1990
DRAWN	MB, GR	FIGURE	19



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,492

ASSAY RESULT FORMAT

weighted average

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

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

DDH: 90-12
Trend: 083°
Incl: -45°
Length: 41.1m

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments. 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.

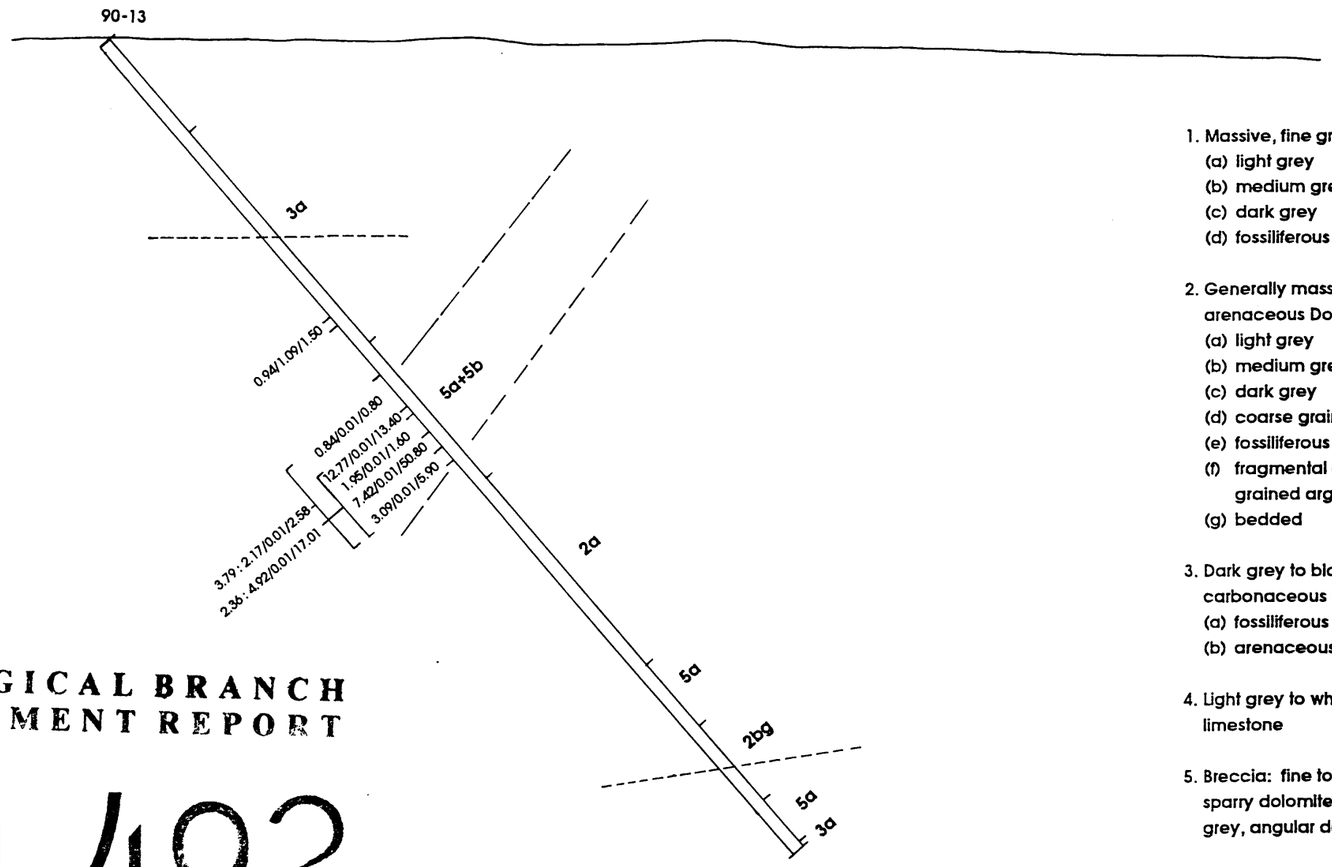
- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY
EAST VERNON AREA
DDH 90-12

EQUINOX OPERATIONS GROUP

SCALE 1:200	DATE OCT., 1990
DRAWN MB, GR	FIGURE 20



DDH: 90-13
Trend: 077°
Incl: -49°
Length: 47.8m

ASSAY RESULT FORMAT

weighted average

1.30: 1.61/0.01/1.78 — [0.62/0.01/0/40; 2.34/0.01/2.90; 3.21/0.01/3.90]

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

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments.
   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.

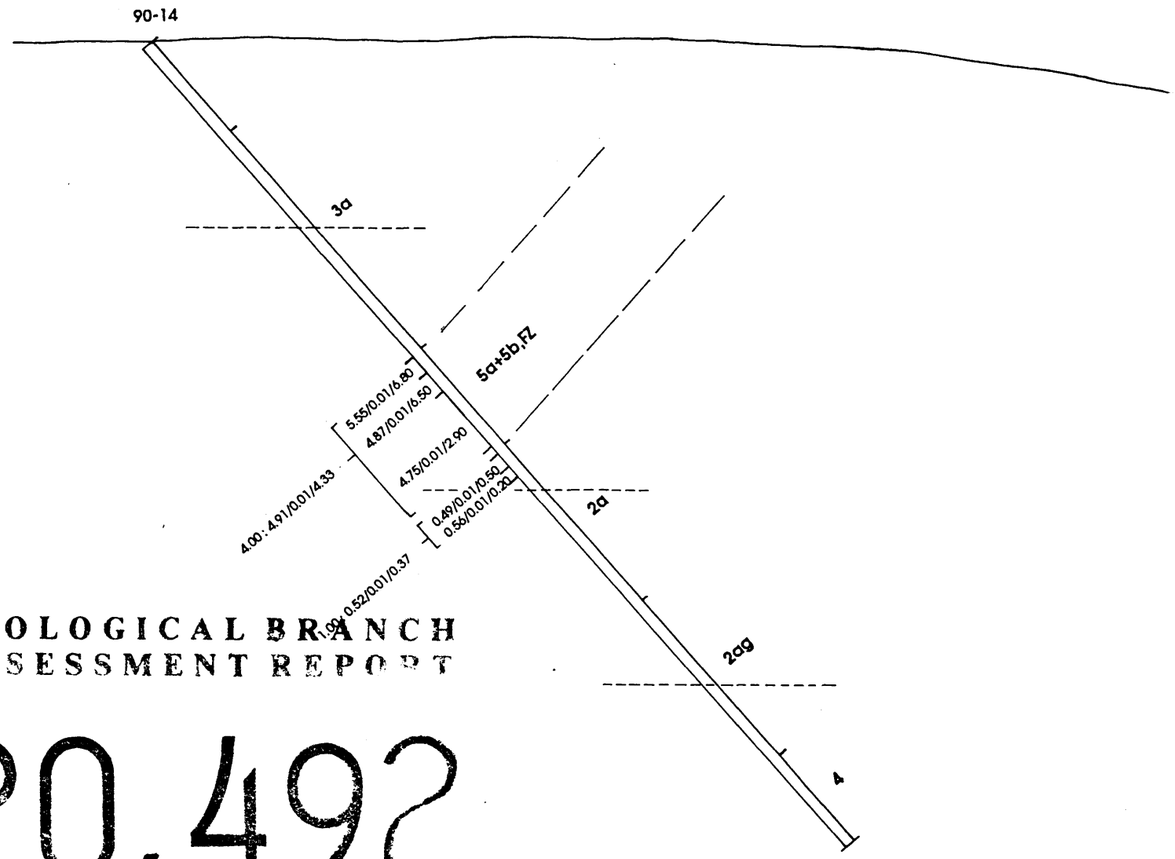
- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

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



DDH: 90-14
Trend: 095°
Incl: -49°
Length: 35.7m

ASSAY RESULT FORMAT

weighted average

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

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

LEGEND

1. Massive, fine grained Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) fossiliferous

2. Generally massive, fine to medium grained arenaceous Dolostone
   (a) light grey
   (b) medium grey
   (c) dark grey
   (d) coarse grained very arenaceous
   (e) fossiliferous
   (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, often sparry dolomite matrix supporting, medium grey, angular dolostone fragments. 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.

- assumed geological contact
- inferred geological contact
- angle between core axis and bedding
FZ - fault zone
- fault surface

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY
EAST VERNON AREA
DDH 90-14

EQUINOX OPERATIONS GROUP

SCALE 1:200	DATE OCT., 1990
DRAWN MB, GR	FIGURE 22

APPENDIX II

Diamond Drill Hole Logs

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark Bakunes
Date Logged Oct 1/90
Drilling Begun Sept 29/90
Drilling Finished Sept 30/90

Hole Bearing 023°
Collar Dip Angle 45°
Dip Test: Depth not done Angle not done
Total Depth 47.85 m

Hole No. 90-1
Core Size BQ
Claim Group NICA 2
Location WEST VERNON

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
		Recovery > 95%								
0		CASING								
4	7.4	Light Grey massive to insitu brecciated dolostone. Bxx filling ov surface coatings black graphitic material. Local arenaceous sections. Maybe fossil fragments?								
		(5.4-6.26) Arenaceous dolostone								
7.4	9.6	Dark Grey to Black dolomitic fossiliferous packstone. Fine dark matrix with abundant to mod. amounts of fine (<1cm) fossil debree, locally arenaceous beds								
		(7.5-8.1) Massive Fine grained arenaceous dolostone.								
		(9.05-9.22) med to crse grained arenaceous dolostone.								
9.6	13.85	Medium Grey, Crse dolomitic fossiliferous Packstone. Fragments of fossils .3-2cm usually indistinct (crinoids) also, black argillaceous dolostone frags. Locally arenaceous. Local lenses of pyrobitumen. One ±2mm lense of galena at 13.3. Rarely calcite vugs contain traces of "2ndary" yellow sphal. 14cm Mineralized (sphalerite) section 1-2 % sph as lenses of disem orange sphal + as fracture filling		44951	10.96	11.14	.18	0.01	1.43	0.5
13.85	14.70	Light Grey Massive to weakly brecciated dolostone with black argillaceous + arenaceous clasts + ov fracture fillings. Black arg. + arenaceous material is as fractured + brecciated clasts + as worms, possibly primary, crosscutting lenses + irregular forms (ball + pillow structures?). Host is fairly massive fined to medium grained arenaceous dolostone.								
14.70	18.38	Dark Grey Massive Fine grained Arenaceous Dolostone. Local fractures infilled with sparry dolomite. Local black argillaceous clasts								
18.38	20.42	Medium Grey Fragmental Dolostone. Dark fragments argillite possibly fossiliferous in Med - light grey dolostone. local concentrations of pyrobitumen								

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 1/90
Drilling Begun Sept 29/90
Drilling Finished Sept 30/90

Hole Bearing 023°
Collar Dip Angle 42°
Dip Test: Depth ~~not done~~ Angle —
Total Depth 47.85 M

Hole No. 90-1
Core Size BQ
Claim Group NICA 2
Location WEST VERNON AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
20.42	21.10	light Grey Massive Fine grained avanaceous dolostone.								
21.10	23.47	Moderately brecciated light Grey Massive fine grained avanaceous dolostone. Breccia is largely incipient infilling black graphitic? large portion of section is weakly min with spalerite. Sphal is orange, varies from 0.5 - 1-3%, as disseminations, patches, + replacements of brecciated frags. Miner appears to be syn-brecciation.								
		- Sample of .5 - 1% disem sph.		44952	20.97	21.66	0.69	0.01	0.62	0.4
		- Sample of .5 - 1% disem sph + local concen of 10% sph as		44953	21.66	22.00	~~0.44~~ 0.34	0.01	2.34	2.9
		irreg lenses + matrix infilling.		44954	22.00	22.27	0.27	0.01	3.21	3.9
		- Same as above.		44955	22.47	22.61	0.20	0.01	1.24	1.7
23.47	27.50	Medium Green medium to Coarse Grained dolomitic sandstone. Section largely sandstone but ss. often lensoid withing massive dolostone or ss. containing black avg. clasts. that are angular. locally ss. is very coarse grained. (27.16 - 27.40) Very coars ss 3-4 mm black grains								
27.50	33.09	light Grey Dolostone Breccia. Fragments of light to med grey massive dolostone + avanaceous dolostone in matrix of white st. spavry dolomite. Fragments often have diffuse boundary with dolomite matrix. Short section of 2-3% Zn mineralization. Sph is orange + occurs as disemin. grains + as replacements of breccia fragments.								
		- Sample of disen + frag. replacement min.		44956	27.57	27.85	.28	0.01	0.95	0.9
		(29.38 - 29.77) Med grained dolomitic s.s.								

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark E. Baknes
Date Logged Oct 1/90
Drilling Begun Sept 29/90
Drilling Finished Sept 30/90

Hole Bearing 33°
Collar Dip Angle 42°
Dip Test: Depth ND. Angle ND.
Total Depth 47.85 m

Hole No. 90-1
Core Size BQ
Claim Group NICA 2
Location WEST VERNON AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb.	% Zn	PPM Ge
33.09	35.4	Dark Grey med-weakly avanaceous Dolostone - Massive. locally wavy lenses of sparry dolomite + minor fracture infills								
35.4	44.81	(* Poor recovery ≈ 35%) Fault Zone. light grey to greenish grey med to fine grained dolostone breccia (.5 -> 2cm) Porrorse with sericite-clay-calcite cement appears leached. No visible mineralization. Sample to test for possible fine grained mineralization								
		Sample: test fault zone material; no visible mineralization		44957	38.20	38.50	0.30	0.01	0.15	0.1
44.81	47.85	Massive Light Green weakly avanaceous Dolostone.								
END	HOLE	locally fractured. Incipient breccia, abundant stylolites. also loral zones of s.s.								
		(46.27 - 46.73) Fragmetal zone with black rounded & angular argillite flags in coarse dolomitic arenatious matrix								

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark E Balcnes
Date Logged Oct 1/90
Drilling Begun Sept 30
Drilling Finished Sept 30

Hole Bearing 038°
Collar Dip Angle 40°
Dip Test: Depth ND Angle ND
Total Depth 72.24 m

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

FROM	TO	DESCRIPTION	core Axis angle → structure	SAMPLES NUMBER	FROM	TO	WIDTH
0	4	CASING					
4	5.75	Medium Grey - light Grey fossiliferous + dolomitic packstone. Medium grain fossil fragg. (indistinct) also avanaceous dolomite fragg.					
5.75	11.28	Dolomitic Black to Dark Grey Avanaceous, fossiliferous Packstone. Medium to fine grained argillaceous + dominantly dolomitic fossil fragments. Black colour due to black avanaceous + argillic material. (9.66-10) Medium Grey incipiently brecciated dolostone. (10.92-11.03) Dark grey well sorted dolomitic sandstone (10.90) trace sph. min. replacing argillaceous fragg.					
11.28	12.80	Med. - Light Grey Incipiently Brecciated Fine grained Weakly Avanaceous Dolostone. Breccia matrix is graphitic, Very! minor sph mineralization, occurring as isolated fragment replacements Minor amounts of pyrobitumen.					
12.80	16.35	Dark Grey Avanaceous, Fossiliferous, Dolomitic, Packstone. Similar to 5.75-11.28 but slightly lighter colour + greater proportion of fragmental material. Local lenses of pyrobitumen. (15.48-15.95) Several dolomite filled gash fractures — with traces of sph.	core axis bedding ?-(50°) 18°				
16.35	17.63	Medium Grey, medium grained Dolomitic Sandstone					

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

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

Hole Bearing 039
Collar Dip Angle 40
Dip Test: Depth ND Angle ND
Total Depth 72.24 m

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

FROM	TO	Avanaceous DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
17.63	21.03	Dark Grey Fossilifevous Dolomite. Massive matrix supporting 10-20% 0.5mm fossils? possibly crinoids. local zones are avanaceous with coarse sand-pebbles.								
21.03	48.00	Dark Grey Brecciated Dolomite. Fragmentation varies from minor-incipient to matrix supported breccia where fragments are dark grey to black dolostone + matrix is sparry dolomite. Mineralization is varys from ~~per~~ nil to 95% as disem replacements of fragments; 1-2% as fragment replacements (often as rims) + also as 1% occuring as yellow crystals in vugs of sparry dolomite.								
		Sample: <1% as weak replacements of light colored breccia fragments.		44958	22.36	22.59	0.23	0.01	3.17	3.39
		Sample: 1-2% sphal both as fragment replacement + as vug infilling with sparry dolomite		44959	30.02	30.57	0.55	0.01	2.22	2.8
		Sample: <1% sph. as disseminated fragment replacement.		44960	30.57	31.13	0.56	0.01	1.10	1.2
		(29.57 - 32.00) Darker section more graphitic								
		Well defined slickside surface at 23 m	core axis 40°							
		* Recovery 90-70%								
		(39.91 - ~~48~~ 48.70) Increased Fault Intensity. Degree + density of brecciation increased. Greater proportion of alteration gives bleached appearance minerals include calcite dolomite, possibly clay + or sericite. Some sections fault gouge, poor recovery.								
		Sample: 1-2% Galena as isolated 2mm wide fracture fill. Traces of yellow sphal. in white dolomite vugs		44961	38.38	38.52	0.14	0.01	0.25	0.2
		Sample: <1% sph. as disem. fine grains in moderate intensity breccia		44962	48.18	48.60	0.42	0.01	0.79	1.0

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 2/90
Drilling Begun Sept 30/90
Drilling Finished Sept 30/90

Hole Bearing 038
Collar Dip Angle 42
Dip Test: Depth ND Angle ND
Total Depth 72.24 m

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

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
48.00	52.48	Medium Grey Massive to Weakly Brecciated Dolostone. Largely unbrecciated equivalent of previous section.								
52.48	63.74	Medium Grey Brecciated Dolostone. Similar to section 21.03 to 48 but lighter color. Sample: Intensely brecciated zone, includes Fault gouge Possibly mineralized with 0.5-1% sphal		44963	57.60	57.91	0.31	0.01	0.04	0.1
63.74	69.19	Light Grey Massive to Moderately Brecciated Dolostone. Consistent orientation of dolomite gash fractures	47°							
69.19	72.24	Medium Grey Massive to Insitu-Brecciated Dolostone								
END	HOLE	Characteristic black argillaceous/graphitic fracture coatings.								

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 2/90
Drilling Begun Oct 1/90
Drilling Finished Oct 1/90

Hole Bearing 109°
Collar Dip Angle 44°
Dip Test: Depth ND Angle ND
Total Depth 53.95 m

Hole No. DDH 90-3
Core Size BQ
Claim Group NICA 2
Location WEST VERNON AREA

FROM	TO	DESCRIPTION	Structure	SAMPLES NUMBER	FROM	TO	WIDTH
0	4	CASING					
4	6.60	Dark Grey Massive - Fine Grained Dolostone Less than 5% 2% round fossil fragments. Core axis to bedding	70°				
6.60	8.87	Medium - Dark Grey Medium Grained Fossiliferous Dolostone 2-3 mm crinoids + fossil fragments < 5% in medium grained otherwise massive dolostone.					
8.87	10.25	Light Grey Medium to Coarse Grained Fossiliferous Dolostone - (Packstone) Coarse textured massive dolostone, 1-3 mm crinoids usually indistinct					
10.25	10.98	Black Fine Grained, Fossiliferous, Argillaceous Dolostone. 10% 2-4mm crinoid + fossil fragments in black fineed grained argillaceous dolostone. core axis to bedding	70°				
10.98	13.75	Light Grey, Medium to Coarse Grained Fossiliferous Dolostone (same as section 8.87-10.25.)					
13.75	14.50	Dark Grey - Black Medium Grained Fossiliferous Argillaceous Dolostone 10% 2-3 mm crinoids + fossil fragments ;					

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 2/90
Drilling Begun Oct 1/90
Drilling Finished Oct 1/90

Hole Bearing 109°
Collar Dip Angle 44°
Dip Test: Depth ND Angle ND
Total Depth 53.95 m

Hole No. DDH 90-3
Core Size BQ
Claim Group NKA 2
Location WEST VERNON AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
13.75	16.20	Medium Grey Medium Grained Massive Dolostone. Very few crinoids (1-2mm, <2%). (15.85-16.25) Brecciated Section. 10% Dolomite as matrix filling, also 5% fine grained pyrite as irregular lenses between & replacing fragments. Sphalerite 1% is disseminated within pyrite. Sample: Of pyrite sph.-bearing breccia		44964	15.84	16.23	0.39	0.01	1.86	0.5
16.20	19.08	~~Dark Grey~~ Medium Grey Medium Grained Fossiliferous Dolostone Has <5% crinoids in sections weakly brecciated/ fractured, abundant Stylolites. (1737-17.80) ~~Dark~~ Grey Fine Grained Dolostone with 5% 1cm Crinoids.								
19.08	24.38	Light to Medium Grey Coarsly Arenaceous Dolostone Some sections have 1-3mm round sand grains, also some incipient brecciation Mineralization is concentrated in fractures filled with dolomite. Sphalerite 0.5-1% galena 2% in one isolated lense. Sphalerite is characteristic yellow colour. Sample Of min. section where mineral. isolated in dolomite fractures, light alteration halo evident.		44965	19.93	20.69	0.76	1.56	1.69	0.3
24.38	33.29	Light to Medium Grey Dolostone Breccia Varies from 0.5-3 cm diffuse fragments usually cemented by white dolomite. Some sections appear to be "Tectonic" breccia while others may be carbonate clastics.								

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark Bakues
Date Logged Oct 3/90
Drilling Begun Oct 1/90
Drilling Finished Oct 1/90

Hole Bearing 109°
Collar Dip Angle -44°
Dip Test: Depth ND Angle ND
Total Depth 53.95 m

Hole No. 90-3
Core Size BQ
Claim Group NICA 2
Location WEST VERNON AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH
		Some sections have large dolomite + argillaceous (10cm) angular clasts. Section has characteristic mottled texture.					
		(24.81 - 24.98) Chert? pebble conglomerate (3-5mm grains)					
		(27.77 - 28.13) 5-10cm dolostone + argillaceous angular clasts.					
33.29	35.51	Dark Grey Massive to incipiently brecciated dolostone.					
35.51	35.72	Light Grey Massive Dolostone. Has minor graphitic filling along fractures.					
35.72	39.83	Medium Grey Massive Arenaceous Dolostone. Generally fine grained but some short sections of coarse grained arenaceous dolostone. Bedding / core axis ?	~70°				
39.83	41.25	Brecciated Arenaceous Dolostone with Black Graphitic Breccia Matrix. Incipient to pervasive brecciation with graphitic matrix. Section cut by extensive dolomite gash fractures. core axis -	43°				
41.25	46.40	Medium Grey Arenaceous Dolostone. Similar to 35.72 - 39.83. but some minor brecciation + argillaceous sections					
46.40	47.09	Medium - Dark Grey Moderately Brecciated Dolostone White to brownish sparry dolomite cement. Brecciation varies from incipient to moderately pervasive.					

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 4/90
Drilling Begun Oct 1/90
Drilling Finished Oct 1/90

Hole Bearing 109°
Collar Dip Angle -44
Dip Test: Depth ND Angle ND
Total Depth 53.95 M

Hole No. 90-3
Core Size BQ
Claim Group NICA 2
Location WEST VERNON AREA

FROM	TO	DESCRIPTION	Structure	SAMPLES NUMBER	FROM	TO	WIDTH
47.40	50.09	Dark Grey Fine grained + Laminated Dolostone					
		core bedding/axis angle	70°				
50.09	53.95						
END	HOLE	Medium Grey [illegible] Brecciated Dolostone					
		Brecciation is generally moderately well developed fragments small giving a characteristic mottled texture. Breccia matrix is white to brownish dolomite.					

Sheet 4 of 4

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NIVA

Logged by Mark Baknes
Date Logged Oct 4/90
Drilling Begun Oct 1/90
Drilling Finished Oct 1/90

Hole Bearing 089
Collar Dip Angle -44°
Dip Test: Depth ND Angle ND
Total Depth 50.00 m

Hole No. 90-4
Core Size BQ
Claim Group NICA 2
Location WEST VERNON AREA

FROM	TO	DESCRIPTION	Structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
0	4	Casing								
4	16.55	Medium Grey Massive Fine Grained Dolostone. Generally massive texture but some dolomite filled fractures + fractures with narrow alteration envelopes. Occasional whispy brown clasts? or lenses that are sometimes composed of semi massive pyrite that may or may not contain minor sphalerite.								
		Sample: 2 to 3% whispy lenses of Pyrite		44966	8.62	9.29	0.67	0.01	0.07	0.1
		Sample: 3% pyr as whispy lenses		44967	10.07	10.23	0.16	0.01	0.04	0.1
		Sample: 3-5% pyrite as whispy lenses, also minor sphalerite as isolated lense.		44968	10.73	11.93	1.20	0.01	0.19	0.1
16.55	20.75	Light to Medium Grey Fine-Medium Grained Massive Dolostone								
20.75	23.20	Dark Grey Massive Fine Grained Dolostone.								
23.20	26.72	Black Fined Grained Fossiliferous Dolostone. Fine grained matrix with 5-15% .5-2 cm crinoids + lensoid fossil fragments? or crinoids.								
26.72	27.75	Medium to Light Grey Weakly Brecciated Dolostone Graphitic Matrix.								
27.75	30.28	Medium Grey Weakly Arenaceous Dolostone Cut by occasional dolomite fractures.								
30.28	41.76	Medium Grey Massive Medium to Coarse Grained Arenaceous Dolostone								

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mauk Bakues
Date Logged Oct 4/90
Drilling Begun Oct 1/90
Drilling Finished Oct 1/90

Hole Bearing 089°
Collar Dip Angle 44°
Dip Test: Depth ND Angle ND
Total Depth 50.00 m

Hole No. 90-4
Core Size BQ
Claim Group NICA 2
Location West Vernon

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH
		(36.00-37.02) Incipient brecciation, black argillaceous matrix.					
41.76	48.45	Incipiently Brecciated Medium Grey Arenaceous Dolostone. Grey dolomite matrix (45.03-46.91) Dark grey brecciated arenaceous dolostone (46.91-48.45) Moderately to strongly brecciated medium grey fine grained dolostone.					
48.45	50.00	Medium Grey Medium to Coarse Grained Arenaceous					
END	HOLE	Dolostone.					

Sheet 2 of 2

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DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 4/90
Drilling Begun Oct 1/90
Drilling Finished Oct 2/90

Hole Bearing 099°
Collar Dip Angle 44°
Dip Test: Depth ND Angle ND
Total Depth [illegible] +41.77m

Hole No. 90-5
Core Size BQ
Claim Group NICA 2
Location WEST VERNON AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
0	4	CASING								
4	17.00	Dark to Medium Grey Massive Fine Grained Dolostone with Extensive Pyrite Mineralization Pyrite occurs as wispy bands & lenses & possibly replacements of clasts. In some sections occurs 5-10% & in one 30cm section pyrite is massive >75%. Invariably pyrite is very fine grained & therefore sphalerite may also be present. (4-5 m) bladed & massive crystal aggregates of barite								
		Sample: 3-5% whispy pyrite associated with bladed barite.		44969 ME	8.65	8.85	0.20	0.01	0.09	0.1
		Sample: Fine grained, 5-10% disseminated pyrite within greyish green fine grained laminated sediment. looks similar to bed exposed in Cominco trench #3+46. ~ core axis/bedding 68°		44970 ME	10.35	12.00	1.65	0.01	0.01	0.1
		Sample: 5% Pyrite occurs as clasts or fragments within zone of dolomite & barite mineralization		44971	12.00	12.34	0.34	0.01	0.01	0.1
17.??	21.62	Light to Medium Grey Fine Grained Massive Dolostone.								
21.62	28.95	Massive Dark Grey to Black Fine Grained Dolostone.								
28.95	27.85	Black Fine Grained Fossiliferous Dolostone. 2-10mm Crinoids account for 5-10%								
27.35	35.7	Weak to Moderately Brecciated Dolostone, Medium Grey. Breccia matrix both graphitic & Dolomitic Matrix								
35.7	41.76	Medium Grey, Medium to Course Grained ~~Dolost~~								
END HOLE		Arenaceous Dolostone.								

BEATY GEOLOGICAL LTD.
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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 093°
Collar Dip Angle 44°
Dip Test: Depth ND Angle ND
Total Depth 47.85 m

Hole No. 90-6
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
0	4	CASING								
4	6.27	Massive Fine Grained, Medium Grey Dolostone Some incipient brecciation with dolomite + graphitic matrix.								
6.27	7.20	Brecciated Fine Grained, Medium Grey Dolostone. Brecciation ranges from incipient to entirely matrix supported. Matrix is white + grey dolomite. Mineralization consists of 1-4% sphalerite occuring as wispy lenses, patches + replacing some breccia fragments. Pyrite is minor + is associated with sphalerite as isolated irregular lenses.								
		Sample: In zone of weak brecciation sphalerite ≤ 1% as disseminated fine grains + 1-2mm patches + wispy lenses, also some minor pyrite.		44972	6.20	6.53	0.33	0.01	2.84	1.3
		Sample: Weakly brecciated zone with 7% sphalerite occuring mainly as disseminated patches replacing fragments, pyrite is 3% as wispy lenses.		44973	6.53	6.87	0.34	0.01	2.54	1.3
		Sample: Incipient to well brecciated matrix supported breccia. Sphalerite < 1% finely disseminated + replacing some breccia fragments.		44974	6.87	7.15	0.28	0.01	0.36	0.2
7.20	8.70	Massive Light Grey, Fine Grained Dolostone.								
8.70	9.95	Well Brecciated Light Grey Fine Grained Dolostone. Irregular matrix supported fragments with diffuse boundaries with white dolomite matrix. (Cominco refers to as Impregnated breccia)								
		Sample: Fragment Supported breccia with abundant graphite. Sphalerite is < 1% finely disseminated in fragments.		44975	8.70	9.25	0.55	0.01	0.36	0.3

BEATY GEOLOGICAL LTD.
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DIAMOND DRILL RECORD

Property NINA

Logged by Mavic Bakyes
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 ND
Total Depth 47.85 m

Hole No. 90-6
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
9.95	14.13	Massive light Grey Fine Grained Weakly Aranaceous Dolostone. Generally Massive some incipient brecciation with graphitic surfaces, also some minor pervasive or well brecciated sections. Mineralization is minor <1% Galena as isolated 2-3mm grains. Breccia Fragments have orange brownish hind may be sphalerite.								
		Sample: of 1% sp galena & possible sphalerite in breccia section		44976	13.78	14.13	0.35	0.15	0.02	0.9
14.13	16.92	Dark Gren Medium Grained Argnaceous Dolostone. Some sections weakly brecciated.								
16.92	19.50	Well Brecciated Aranaceous Dolostone. Fragments & Matrix Indistinct has overal mottled texture. Some minor sphalerite, occuring as fine grains disseminated throughout.								
		Sample: <1% sphalerite in brecciated Aranaceous dolostone. (18.00 - 18.80) Incipient brecciation graphitic matrix		44977	17.29	17.69	0.40	0.01	0.71	0.9
		Sample: 1-2% Sphalerite, disseminated throughout well brecciated section.		44978	18.80	19.22	0.42	0.01	1.39	1.0
19.50	23.47	Light Grey) Massive Aranaceous to Incipiently Brecciated Dolostone. Typically has black graphitic fracture coatings.								
23.47	28.11	Light to Medium Grey Well Brecciated Aranaceous Dolostone Fragments are angular & well defined, matrix is typically black in least brecciated sections & grey dolomite when brecciation & extensive or pervasive.								

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark Bakues
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 ND
Total Depth 47.85m

Hole No. 90-6
Core Size BQ
Claim Group NICA 1
Location Biddy Area.

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
28.11	30.43	Light Grey Massive, Medium Grained, Incipiently to non Brecciated Avanaceous Dolostone.								
30.43	32.0	~~Heat~~. Medium Grey Well Brecciated Avanaceous Dolostone. Both black graphitic + white dolomite matrix. In all breccias the black matrix filling appears to cross-cut dolomite matrix. Commonly stylolites also marked by graphitic / argillaceous residues are associated. May be that graphitic breccia is a later process caused by compaction-tectonic compression. At 31.70 can see fragments of dolomite matrix rebrecciated + supported by graphitic matrix.								
32.00	44.60	Light Grey Well Brecciated Fine Grained Dolostone Brecciation well developed and most often matrix is spurry dolomite sometimes with a brownish rind possibly representing presence of trace sulphides. Sample: Well developed dolomite matrix breccia with ≈ 1% sphalerite as disseminated fine grains on the rims of breccia fragments. (38.10 - 38.50) Possible fault, finely ground porous breccia.		44979	32.10	32.61	0.51	0.01	0.45	0.7
44.60	47.85	Light Grey, Massive, Fine Grained to Insipiently Brecciated Dolostone.								
END	HOLE									

BEATY GEOLOGICAL LTD.
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DIAMOND DRILL RECORD

Property NINA

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

Hole Bearing 078°
Collar Dip Angle 44°
Dip Test: Depth ND Angle ND
Total Depth – 58.20 m

Hole No. 90-7
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	ppm Ge
0	4	CASING								
~~4~~										
4		Massive Fine Grained Medium Grained Medium Grey Dolostone. Cut by dolomite stringers + some minor incipient to moderate brecciation with dolomite matrix. Mineralization consists of Pyrite + Sphalerite in 1-3% sph + 3% pyrite. Pyrite occurs as whispy lenses while sphalerite is typical orange, replacing fragments.								
		Sample: 3% replacement sph. 2-5% but much oxidized pyrite in section of weakly brecciated dolostone (6.05 – 7.90) Incipiently brecciated Dolostone.		44980	5.18	5.45	0.27	0.01	2.41	1.3
		Sample: 3% replacement sphalerite 4-5% pyrite as whispy bands in weakly brecciated dolostone.		44981	6.13	6.27	0.14	0.01	1.79	1.2
		Sample: Incipiently brecciated section with carbonaceous /graphitic matrix interupted by short dolomite, baurite? moderatly brecciated heavily mineralized sections. Pyrite 5-6% as lenses fragment rim replacements, Sphalerite 2-3% as replacements + thin lenses. Galena is minor as isolated 1-2mm blebs.		44982	6.93	7.62	0.69	0.01	1.08	0.9
		Sample: Weakly brecciated Section with 3% sphalerite as patchy fragment replacements.		44983	8.07	8.36	0.29	0.01	0.67	0.5
9.25	10.92	Well Brecciated Massive Dolostone With White Sparry Dolomite Matrix 50% breccia is sparry dolomite matrix, impregnated breccia where fragment margins diffuse. Some mineralization of sphalerite as disseminated replacements on fragment rims.								

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DIAMOND DRILL RECORD

Property NINA

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

Hole Bearing 078°
Collar Dip Angle 44°
Dip Test: Depth ND Angle ND
Total Depth 58.20m

Hole No. 90-7
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
		Sample: Well brecciated section with < 1% sphalerite as disseminated grains on fragment margins		44984	9.35	9.88	0.63	0.01	1.08	1.0
10.92	17.07	Massive light Grey, Fine Grained Weakly Avanaceous Dolostone. Generally massive but some local incipient to well brecciated sections, some sections contain dark fine grained, 1-2cm possible rip up clasts. (13.85 - 14.80) Section that verges from incipient breccia to ~~good or~~ well brecciated or impregnated breccia. (16.50 - 16.70) Short bleached zone with calcite stringers + visible alteration								
		core / bedding axis angle	70°							
17.07	18.35	Dark Grey Medium Grained Brecciated Avanaceous Dolostone. May be brecciated clastic as some 2-3cm fine grained argillaceous clasts? in the breccia.								
18.35	21.30	Black + light Grey Dolostone, Avanaceous Dolostone, and Argillaceous Clastic Dolostone Angular blocks + clasts 1.5 - 1cm of light grey + black carbonates in matrix of avanaceous dolostone. Some section have secondary dolomite matrix + in these zones sphalerite occurs. Sample: 2-3% sphalerite occurs finely disseminated in avanaceous matrix and as higher grade fragment replacements in sections of brecciation associated with sparry dolomite.		44985	20.00	21.15	1.15	0.01	2.66	2.0

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DIAMOND DRILL RECORD

Property NINA

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

Hole Bearing 078°
Collar Dip Angle 44°
Dip Test: Depth ND Angle ND
Total Depth 58.20

Hole No. 90-7
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	Structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
21.30	25.71	Light Grey, Fine to Medium Grained, Massive to Incipiently Brecciated Dolostone. Incipient breccia has carbonaceous matrix minor sparry ddomite.								
25.71	26.42	Massive. Dark Grey to Black Fined Grained Dolostone with Minor Coarse Clastic Component. Fine grained Dark matrix supports 10% white 0.3 – 2cm white, possibly fossil Fragments								
26.42	29.29	Light Grey Medium Grained Incipiently Brecciated Aranaceous Dolostone. core axis / bedding via	70°							
29.29	32.21	Dark Grey (Mottled Grey-Black + White) Brecciated Aranaceous Dolostone. Both sparry dolomite & abundant carbonaceous matrix give mottled-banded texture. Fragments & matrix are Indistinct. One section with greatest amount of sparry dolomite is mineralized with 2% sphalerite disseminated within breccia fragments Sample : 1-2% sphalerite		44986	30.29	30.53	0.24	0.01	1.49	2.0
32.21	38.95	Medium Grey Well Brecciated Fine Grained Dolostone Generally dolomite matrix but & some carbonaceous matrix. In sparry dolomite rich sections fragments Indistinct with diffuse margins. Minor sphalerite mineralization < 1% as disseminated grains on fragment rims Sample : < 1% sphalerite		44987	33.61	35.87	2.26	0.01	0.22	0.4

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DIAMOND DRILL RECORD

Property NINA

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

Hole Bearing 078°
Collar Dip Angle 44°
Dip Test: Depth ND Angle ND
Total Depth 58.20m

Hole No. 90-7
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH
38.95	49.45	Medium Grey Incipient to Well Brecciated Fine Grained Dolostone with Spawy dolomite matrix and Re-brecciated Spawy dolomite breccia. Many fragments represent spawy dolobricte that has been "rebrecciated" & filled with carbonaceous matrix. Abundant Stylolytes, ie second brecciation represents dissolution of original brecciat dolostone.					
49.45	50.45	Light Grey, Massive, Fine grained, Incipiently Brecciated Dolostone					
50.45	52.03	Medium Grey, Modevately Well Brecciated Avanaceous Dolostone, with Dominantly Carbonaceous Matrix					
52.03	52.73	Light Grey, Massive, Fine Grained, Incipiently Brecciated Dolostone.					
52.73	57.50	Medium Grey Well Brecciated Dolostone. Abundant spawy dolomite matrix but this re-brecciated by carbonaceous matrix breccia					
57.50	58.20						
END	HOLE	Light Grey Massive, Fines Grained, Incipiently Brecciated Dolostone.					

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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 101°
Collar Dip Angle 46°
Dip Test: Depth ND Angle ND
Total Depth 53.95 m

Hole No. 90-8
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
0	4	Casing								
4	9.30	Dark Grey, Massive, Fine Grained; Dolostone Very few dolomite stringers.								
9.30	12.00	Medium Grey, Massive, Fine Grained, Dolostone. Generally massive, but mineralized sections are incipiently brecciated. Mineralization: Sphalerite occurs as patchy replacements of fragments and as envelopes around dolomite stringers. In this habit occurs 5%, also finely disseminated sphalerite < 1%. Galena occurs as coarse crystals in dolomite veinlets 5% that cut disseminated sphalerite mineralization. Pyrite is rare occurring as fine grained patches associated with sphalerite.								
		Sample: 8% sphalerite both disseminated & as replacements of fragments in incipient breccia		44988	9.12	9.35	0.23	0.01	7.08	10.2
		Sample: 1-2% very finely disseminated sphalerite in massive dolostone cut by dolomite stringer with coarse galena; galena 5%		44989	9.35	9.78	0.43	0.01	2.16	2.2
		Sample: 8% Sphalerite as fragment replacements in incipiently brecciated section.		44990	9.78	10.00	0.22	0.01	10.65	11.3
		Sample: < 1% sphalerite finely disseminated in massive dolostone.		44991	10.00	10.92	0.92	0.01	0.19	0.4
12.00	12.48	Moderately Well Brecciated Equivalent of 9.30-12.00 Spurry Dolomite matrix ≈ 15%								
		Sample: 1-2% Sphalerite disseminated & rimming breccia fragments		44992	12.00	12.50	0.50	0.01	0.42	0.5

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DIAMOND DRILL RECORD

Property NINA

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

Hole Bearing 101°
Collar Dip Angle 46°
Dip Test: Depth ND Angle ND
Total Depth 53.95 m

Hole No. 90-8
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
12.48	13.05	Medium Grey, Massive, Fine Grained Dolostone (Same as 9.5-12.0)								
13.05	14.52	Well Brecciated Medium Grey, Massive, Fine Grained Dolostone. grey Matrix is white spavvy dolomite 30-35% fragments are irregular, 0.5-4cm, and have distinct margins. Sphalerite mineralization varies from 1-4% as fragment replacements								
		Sample: 1% sphalerite disseminated on grain margins		44993	13.05	13.56	0.51	0.01	1.41	1.6
		Sample: 3% sphalerite, disseminated on grain boundaries and replacing whole grains (Photo)		44994	13.78	14.52	0.74	0.01	2.23	3.6
14.52	16.00	Medium Grey, Massive, Fine Grained Dolostone Some Incipient brecciation								
16.00	17.65	Weakly Brecciated Medium Grey, Fine Grained Dolostone 5-10% spavvy dolomite matrix, traces of yellow sphalerite in dolomite stringers.								
17.65	21.90	Light Grey, Massive, Fine Grained, Weakly Avanaceous Dolostone								
		Some minor brecciation one of which is mineralized with pyrite								
		Sample: Weakly brecciated zone adjacent to avanaceous section. Avanaceous section mineralized with 5-10% pyrite as disseminated grains, patchy replacements + whispy lenses		44995	18.75	19.04	0.29	0.01	0.15	0.4

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DIAMOND DRILL RECORD

Property NINA

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

Hole Bearing 101°
Collar Dip Angle 46°
Dip Test: Depth ND Angle ND
Total Depth 53.95 m

Hole No. 90-8
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH
		(20.92 - 21.17) Medium grey medium grain avanaceous section					
21.90	25.60	Dark Grey Medium Grained Avanaceous Dolostone. Generally avanaceous but short sections of fine grained dolostone, minor brecciation, and rarely fine grained angular sedimentary clasts. (24.30 - 25.10) Light Grey brecciated avanaceous dolostone. Incipient to moderately brecciated. Traces of yellow sphalerite in dolomite matrix.	core axis / bedding 70°				
25.60	26.82	Light Grey Bedded, Fine Grained With Minor, Medium Grained Avanaceous Component Dolostone.					
26.82	33.74	Dark Grey Medium Grained Avanaceous Dolostone (Similar to 21.90 - 25.60)					
33.74	38.28	Medium to Light Grey Incipently Brecciated Weakly Avanaceous Dolostone, with dominantly black carbonaceous matrix. Some minor spavvy dolomite matrix.					
38.28	38.50	Dark Grey Mottled Breccia. Indistinct fragments & matrix may be vebrecciated spavvy dolomite breccia, ie vebbrecciated ~~but~~ by carbonaceous breccia.					

BEATY GEOLOGICAL LTD.
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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 101°
Collar Dip Angle 46°
Dip Test: Depth ND Angle ND
Total Depth 53.95 m

Hole No. 90-8
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH
38.50	53.95	Medium to light Grey Incipient to ~~EE~~ Modevately Brecciated Fine Grained Dolostone. Both carbonaceous & spavvy dolomite matrix. (45.95-47.61) light Grey Massive, Unbrecciated, arnaceous dolostone. (51.35-52.50) light Grey, Massive, Unbrecciated arnaceous dolostone. (52.85-53.50) Light Grey Spavvy dolomite breccia May also be recrystalized fossiliferous packstone since some fragments resemble crinoids					
END	HOLE						

Sheet 4 of 4

BEATY GEOLOGICAL LTD.
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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
Total Depth 50.90 m

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

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
0	4	CASING								
4	7.32	Medium Grey, Massive, Fine Grained Dolostone with minor dolomite stringers.								
		- core axis / dolomite stringers	20°							
		(4.00 - 4.10) dolomite vug with isolated coarse crystals galena.								
7.32	12.34	Light Grey Well Brecciated Dolostone. Sparry dolomite 30%, supporting fragments with fairly distinct boundaries. Brecciation discontinuous with unbrecciated sections								
		(8.23 - 8.77) Massive unbrecciated light Grey Fine grained dolostone.								
		(11.28 - 11.32) Dolomite vug with coarse galena crystals								
		Sample: Section is finely brecciated & bleached dolostone with 2% finely disseminated sphalerite		44996	11.92	12.05	0.13	0.01	1.10	0.1
		Sample: 3% pyrite as irregular "veinlets" along fragment margins; sphalerite is < 1% finely disseminated.		44997	12.05	12.34	0.29	0.01	0.3	0.1
12.34	17.30	Light Grey, Massive Fine Grained, Slightly Avanaceous Dolostone								
		core axis / bedding	68°							
		local minor brecciation and sedimentary clasts.								
		Sample: < 1% sphalerite finely disseminated in avanaceous section; pyrite 2% as isolated fine grained fracture fill.		44998	16.35	16.73	0.38	0.01	0.15	0.1
17.30	19.42	Dark Grey, Bedded, Coarse/Medium Grained Avanaceous Dolostone								

BEATY GEOLOGICAL LTD.
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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
Total Depth 50.90 m

Hole No. 90-9
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
		has bedding parallel discontinuous lenses of spavvy dolomite giving mottled texture. Some large fine grained sed. clasts.						-		
		Sample: 1-2% Sphalerite finely disseminated in coarse avanaceous sections		44999	17.30	18.42	1.12	0.01	0.72	0.4
19.42	19.88	Well brecciated dolostone with indistinct fragments abundant spavvy dolomite 2Second stage breccia has carbonaceous matrix.								
19.88	20.28	Incipiently Brecciated light Grey Fine Grained Dolostone With Carbonaceous Matrix.								
20.28	23.25	Medium Grey, Medium Grained Avanaceous Dolostone								
23.25	28.02	Light Grey, Bedded to Massive, Medium Grained Avanaceous Dolostone. -core axis / bedding.	80°							
28.02	33.10	Dark Grey, Massive to Weakly Bedded, Fine Grained Avanaceous Dolostone. Some irregular patches of spavvy dolomite (Incipient breccia). (28.80-29.40) Core axis parallel dolomite vein with minor coarse crystals of galena + traces of sphalerite.								
33.10	38.35	Medium Grey Weak to Moderately Brecciated, Fine Grained Massive Dolostone. Matrix discontinuous grey dolomite								

BEATY GEOLOGICAL LTD.
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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
Total Depth 50.90 m

Hole No. 90-9
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH
38.35	42.42	Medium Grey, Moderately Well Brecciated Fine Grained Dolostone, 10-15% light grey white dolomite matrix, fragments indistinct.					
42.42	45.44	Medium to Light Grey Weakly Brecciated, Fine Grained Massive Dolostone Matrix 10% white dolomite, fragments ~~mode~~ distinct diffuse margins. (43.05 - 43.75) Medium Grey, Massive, Fine Grained, Unbrecciated dolostone.					
45.44	47.00	Light Grey Well Brecciated Dolostone 20-30% sparry Matrix fragments have diffuse margins					
47.00	49.0	Weakly Brecciated Light Grey Massive Dolostone Some sections sparry dolomite matrix					
49.00	50.90	Light Grey Moderately Brecciated Dolostone					
END	HOLE	10-15% sparry dolomite matrix					

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DIAMOND DRILL RECORD

Property NINA

Logged by Mark E. Baknes
Date Logged Oct 8/90
Drilling Begun Oct 5
Drilling Finished Oct 5

Hole Bearing 055°
Collar Dip Angle -42°
Dip Test: Depth ND Angle ND
Total Depth 53.95

Hole No. 90-10
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	Structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
0	4	Casing								
4	10.20	Light Grey Medium Grey, Massive, Fine Grained Dolostone. Some minor brecciation where in which mineralized in association with dolomite matrix. Some fracturing these having carbonaceous coatings.								
		Sample: 4-6% sphalerite in brecciated dolostone; matrix 40% is grey dolomite + 4-5% pyrobitumen. Sphalerite is disseminated within fragments.		45000	5.85	6.10	0.25	0.01	5.44	8.4
		Sample: Similar to above but sphalerite 4% matrix 20% (ie less dolomite matrix)		44101	6.10	6.46	0.36	0.01	2.83	2.9
		Sample: Incipiently brecciated dolostone with < 1% sphalerite as disseminated grains on the margins of dolomite stringers.		44102	6.46	6.82	0.36	0.01	0.63	0.6
		Sample: Insipient breccia with white dolomite matrix. Sphalerite 2% is disseminated along some grain boundaries.		44103	9.18	9.43	0.21	0.01	1.71	1.4
		Sample: Semi-massive to insipiently brecciated with < 1% sphalerite adjacent to dolomite.		44104	9.43	10.00	0.57	0.01	0.5	0.5
10.20	12.31	Well Brecciated Light Grey Massive Dolostone. 20-40% white spavvy dolomite matrix supporting irregular fragments with sharp to weakly diffuse boundaries.								
		Sample: Well brecciated section with 1-2% sphalerite as disseminated fragment replacements.		44105	10.12	11.45	0.33	0.01	0.79	0.5
12.31	19.65	Weakly Arenaceous Light Grey, Massive, Fine Grained Dolostone. (Similar 4-10.20) Very pervasive + consistent set of thin dolomite stringers pervade from 11.50 → 18m; core axis / stringers	18°							

BEATY GEOLOGICAL LTD.
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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 42°
Dip Test: Depth ND Angle ND
Total Depth 53.95

Hole No. 90-10
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
		Sample: Weakly brecciated section, Orange (typical) sphalerite rims fragments white yellow sphalerite occurs in white dolomite vugs + stringers; total sphalerite about 2-3%. Minor <1% galena occurs as isolated crystal aggregates.		44106	14.02	14.33	0.31	0.01	0.83	0.3
		Sample: Aranaceous Dolostone with well laminated massive pyrite, 60%. Pyrite is fine grain massive to semi-massive + disseminated in matrix of sandstone.		44107	18.94	19.31	0.37	0.01	0.04	0.1
		core axis / bedding	53°							
19.65	23.00	Medium Grey, Medium Grained, Moderately Brecciated Aranaceous Dolostone. Section varies from massive sandstone to sandstone cut by dolomite stringers to moderately brecciated. Well brecciated section, dolomite breccia rebrecciated by carbonaceous matrix breccia.								
		Sample: 10% Fine grained pyrite disseminated in matrix of sandstone.		44108	20.45	20.60	0.15	0.01	0.05	0.1
		(21.90 - 22.80) Well brecciated 30% sparry dolomite that is rebrecciated by calcite and is filled with carbonaceous matrix. Minor galena present as isolated crystals.								
23.00	25.18	Light Grey, Fine Grained Massive to Weakly Bedded + Aranaceous Dolostone. (23.00 - 23.47) Moderately Brecciated, sparry dolomite matrix, diffuse fragment margins.								
25.18	33.75	Alternating Light + Dark Grey, Well Bedded, Medium								

BEATY GEOLOGICAL LTD.
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DIAMOND DRILL RECORD

Property _____

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 42°
Dip Test: Depth ND Angle ND
Total Depth 53.95

Hole No. 90-10
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH
		Grained Arenaceous Dolostone.					
		Dark cm scale bands are arenaceous, light grey fine					
		grained bands are defficient in sand component.					
		~ core axis / bedding	65°				
		~ No brecciation rare stringers some bedding parallel					
		lenses of sparry dolomite					
33.75	37.80	Light to Medium Grey, Weakly Brecciated, Fine Grained,					
		Dolostone.					
		Spotty brecciation with grey dolomite matrix					
37.80	49.60	Moderately Well Brecciated, Medium Grey Dolostone.					
		Matrix of grey dolomite generally < 15% some rebrecciation					
		+ filling with carbonaceous matrix. Thin dolomite filled					
		fractures that postdate dolomite breccia are pervasive					
		throughout					
		core axis / dolomite filled fractures.	58°				
		(42.35 – 43.95) Abundant grey dolomite matrix? recrystalized					
		dolostone rebrecciated by "carbonaceous breccia"					
49.60	53.95	Light Grey Recrystalized Fossiliferous Dolostone.					
END	HOLE	30-40% white diffuse crinoids (2-10mm) + fossil fragments					
		in light grey fine grained ~~matrix~~ dolostone.					

Sheet 3 of 3

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DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 9/90
Drilling Begun Oct 5/90
Drilling Finished Oct 6/90

Hole Bearing 049°
Collar Dip Angle 45°
Dip Test: Depth ND Angle ND
Total Depth 41.10 m

Hole No. 90-11
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	Structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
0	4	Casing								
4	17.37	Light Grey, Massive, Fine Grained Dolostone. Very massive unit occasional graphitic fractures, dolomite (barite?) filled stringers, & short brecciated sections. (4.88-5.45) Fractured & brecciated, white sparry dolomite ± barite supporting angular well defined fragments. Abundant (10%) pyrobitumen as fracture fills. Sample: 1% sphalerite in above brecciated section as disseminated fragment replacements (especially carbonaceous fragments		44109	4.78	5.45	0.63	0.01	0.66	0.6
		(7.00-7.25) minor fine grained pyrite along fractures. (7.60-7.80) 3-5% galena in single veinlet, coarse crystal aggregates. Section is fractured contains 5% pyrobitumen.								
		(10.83-11.95) Carbonaceous rich brecciated section. Fractured & filled with dolomite minor brecciation deformation of more carbonaceous section, mineralized with pyrite. Sample: 3% pyrite as medium grained bedding parallel lenses & crosscutting fractures		44110	10.83	11.71	0.88	0.01	0.01	0.1
		Sample: 30% galena as matrix component in porous coarse grained crystaline dolostone.		44111	12.75	13.15	0.40	12.09	0.01	0.1
		(15.90-17.37) Slightly coarser grained and darker grey dolostone. Numerous dolomite fractures and one 10cm long breccia section with pyrobitumen matrix - core axis / dolomite fractures.	36°							

BEATY GEOLOGICAL LTD.
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DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 9/90
Drilling Begun Oct 5/90
Drilling Finished Oct 6/90

Hole Bearing 049°
Collar Dip Angle 45°
Dip Test: Depth ND Angle ND
Total Depth 41.10 m

Hole No. 90-11
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	Pb	Zn	Ge
17.37	20.10	Light Grey, Massive to Weakly Bedded, Slightly Avanaceous Dolostone Minor carbonaceous fractures - core axis / bedding	52°							
20.10	23.20	Dark Grey, Massive to Weakly Bedded, Medium Grained Highly Avanaceous Dolostone. Occasional carbonaceous laminae, pyrite sometimes associated. (20.70 - 20.82) Carbonaceous beds with irregular beds / lenses of pyrite.								
23.20	25.05	Well Brecciated Avaniaceous Dolostone. Matrix 30-50% white + grey spavvy dolomite. Fragments usually indistinct. Within zone sections of unbrecciated avanaceous dolostone. Sample : Well brecciated zone Pb < 1% sphalerite very sparsely disseminated within core dark grains		44112	23.20	23.88	0.68	0.01	0.23	0.2
		Sample : Section of coarse avanaceous dolostone with in contact with sub-bedding parallel lenses + brecciated pods of spavvy dolomite. Sphalerite is 10% mainly as matrix component in avanaceous section but also replacing dark fragments. Galena is 10% as disseminated coarse crystals in avanganite + as 1-2cm aggregates + matrix in breec fractured dolomite. Sphalerite sometimes rims galena blebs.		44113	23.88	24.43	0.55	4.82	4.70	5.6
		Sample : Well brecciated zone similar to sample of (23.20 - 23.88), minor pyrite as lenses.		44114	24.43	25.18	0.85	0.01	0.29	0.3
		- core axis / bedding	58°							

BEATY GEOLOGICAL LTD.
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DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 9/90
Drilling Begun Oct 5/90
Drilling Finished Oct 6/90

Hole Bearing 049°
Collar Dip Angle 45°
Dip Test: Depth ND Angle ND
Total Depth 41.10 m

Hole No. 90-11
Core Size BQ
Claim Group NICA 1
Location BIDDY AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
25.05	32.10	Light & Medium Grey, Well Bedded, Fine to Coarse Grained Aphanaceous Dolostone. Alternating beds (cm to 10's of cm) of light grey fine grained dolostone & dark grey medium to coarse grained highly granaceous dolostone. (26.00-26.30) Massive light grey fine grained dolostone. (29.04-29.48) Massive light grey fine grained dolostone.								
32.10	41.10	Dark Grey, Massive, & Fine Grained, Sparsely Fossiliferous								
END	HOLE	Dolostone. Moderate amounts, dolomite filled fractures, some brecciated sections where spavvy dolomite forms bedding parallel layers. (Dolomitization occuring parallel to bedding.) Fossil material < 5% commonly 1cm crinoids & fossil fragments. Sample: Irregular low angle Fracture 50% pyrite; occurs as fine pyritic matrix with 2-3mm spheres & round & angular pyrite "fragments", may be pyrite replacing fossil material. (34.00 - 34.18) Moderately brecciated section, 20% whitish greyish white dolomite. (35.30 - 35.48) Minor brecciation & open fractures at low angle to core axis. (36.70 - 38.10) Well brecciated section, 40% spavvy dolomite matrix. Fragments very distinct, fragmentation parallel to bedding - core axis to bedding	45°	44115	32.10	32.20	0.10	0.01	0.09	0.1

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DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 9/90
Drilling Begun Oct 6
Drilling Finished Oct 6

Hole Bearing 083°
Collar Dip Angle 45°
Dip Test: Depth ND Angle ND
Total Depth 47.85m

Hole No. 90-12
Core Size BQ
Claim Group OMI 1
Location EAST VERNON

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge		
0	4	Casing										
4	16.00	Dark Grey to Black Fine Grained, Fractured, Fossiliferous Dolostone Dark matrix supporting 2-4mm + 1cm crinoids + crinoid fragments. Fossil content average 15% but varies locally. Section moderately fractured + filled with white sparry dolomite (10% fracture dolomite). core axis / bedding (approx)	70°									
		(9.82-11.50) Similar to main section but Medium to light grey color (13.18-13.68) Similar to main section but Medium to light grey.										
16.00	18.56	Mineralized Light Grey Fine Grained Breccia. Likely brecciated equivalent of above. Generally fragments + matrix indistinct. Some large dark fragments in lighter matrix that may be fine grained breccia or recrystalized dolostone. Sphalerite 2%, occurs finely disseminated possibly concentrating on margins of possible breccia fragments. Sample: 1% disseminated sphalerite Sample: 1-2% disseminated sphalerite		44116 44117	16.00 17.37	17.37 18.56	1.37 1.19	0.01 0.01	1.18 1.37	1.5 1.9	}	
18.56	19.64	Light Brownish Grey (Surface Oxidation) Fine Grained Massive Arranaceous Dolostone. Well fractured blocky core (near surface)										
19.64	20.77	Light Grey, Moderately Brecciated Arranaceous Dolostone										

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DIAMOND DRILL RECORD

Property NINA

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

Hole Bearing 083°
Collar Dip Angle 45°
Dip Test: Depth ND Angle ND
Total Depth 47.85 m

Hole No. 90-12
Core Size BQ
Claim Group DM1 1
Location EAST VERNON

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
		Weakly brecciated, small fragments often indistinct matrix grey + white dolomite 10-20%. Pyrite + Sphalerite mineralization								
		Sample: 1% sphalerite finely disseminated, pyrite minor as whispy lenses in fractures.		44118	19.44	20.65	1.01	0.01	1.00	1.6
20.77	22.15	Medium to Dark Grey, Medium Grained, Semi Massive ~~Medium~~ Aranaceous Dolostone.								
22.15	23.27	Weakly brecciated Aranaceous Dolostone.								
	10-	20% grey dolomite matrix supporting distinct angular fragments. Sphalerite, 1-2% is disseminated along fragment margins.								
		Sample: 1-2% disseminated Sphalerite		44119	22.15	23.09	0.94	0.01	0.99	0.9
23.27	30.31	Light Brownish Grey, Medium Grained, Fractured + Brecciated Aranaceous Dolostone - FAULT ZONE ?								
		Abundant fractures + short sections of breccia. Core is very blocky some fault gouge. likely represents fault but probably excentrated by heavy surface oxidation (ie hole dipping down steep slope)								
30.31	30.60	White Medium Grained Limestone.								
		Cut by numerous graphitic fractures								
30.60	44.03	Light Grey Weakly Bedded, Medium Grained Aranaceous Dolostone.								
		core axis / bedding	50°							

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DIAMOND DRILL RECORD

Property NINA

Logged by Mark Barnes
Date Logged Oct 9/90
Drilling Begun Oct 6/90
Drilling Finished Oct 6/90

Hole Bearing 083°
Collar Dip Angle 45°
Dip Test: Depth ND Angle ND
Total Depth 47.85 m

Hole No. 90-12
Core Size BQ
Claim Group OMI 1
Location EAST VERNON AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH
		(34.60 - 35.70) light Grey Mottled recrystalyseed dolostone.					
44.03	47.85	Dark Grey, Weakly Bedded, Medium Grained					
END	HOLE	Avanaceous Dolostone.					
		Some minor dolomite as discontinuous lenses, when					
		these more extensive becomes weakly brecciated					
		(45.85 - 46.16) Spavvy dolomite breccia.					

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DIAMOND DRILL RECORD

Property NINA

Logged by Mark E. Baknes
Date Logged Oct 9/90
Drilling Begun Oct 6/90
Drilling Finished Oct 7/90

Hole Bearing 077°
Collar Dip Angle 49°
Dip Test: Depth ND Angle ND
Total Depth 35.66

Hole No. 90-13
Core Size BQ
Claim Group OMI 1
Location EAST VERNON

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
0	4	Casing								
4	13.30	Dark Grey/Black, Fine Grained, laminated Weakly Fossiliferous Dolostone <5% 1-2mm crinoids + fossil fragments. Cut by few dolomite stringers.								
		core axis / stringers.	15°							
		core axis / bedding	45°							
		(10.08 - 11.38) Altered section; mottled pale grey, bleached, with 30% white dolomite as stringers and pods.								
		Sample: Fine grained black breccia or fault zone with 2% disseminated fine grain galena.		44120	11.77	13.15	0.38	1.09	0.94	1.5
		* Poor recovery in sample section *								
13.30	19.25	Light Grey Moderately to Well Brecciated Fine Grained Dolostone								
		Breccia varies from incipient brecciation with white dolomite matrix, well defined fragments to fine grained breccia, sometimes mineralized where fragments & matrix are indistinct.								
		(13.30 - 14.33) Sem Incipient breccia								
		(14.33 - 15.90) Well Brecciated distinct matrix + fragments								
		(15.90 - 17.00) Fine grained breccia indistinct - frag ments & matrix whispy mottled texture.		44121	14.33	15.76	1.43	0.01	0.84	0.8
		Sample: Well fractured or brecciated area, possibly fault, fragments distinct. Sphalerite < 1% disseminated on some fragment margins.								

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DIAMOND DRILL RECORD

Property NINA

Logged by Mark E. Baknes
Date Logged Oct 9/90
Drilling Begun Oct 6/90
Drilling Finished Oct 7/90

Hole Bearing 077°
Collar Dip Angle -49°
Dip Test: Depth ND Angle ND
Total Depth 35.66 m

Hole No. 90-13
Core Size BQ
Claim Group OMI 1
Location EAST VERNON

FROM	TO	DESCRIPTION	structure
		Sample: 25-30% sphalerite in semi-massive irregular patches possibly replacing grains. Fine grained breccia fragments fairly distinct with sharp boundaries.	
		Sample: Blocky core, oxidized. Sphalerite 1% finely disseminated in weakly brecciated zone	
		Sample: 20% Sphalerite as irregular patches possibly fragment replacements. Very similar to sample (15.76-16.03), minor pyrite.	
		Sample: Fine grained breccia rock flour matrix ??; < 3-4% finely disseminated sphalerite	
19.25	27.40	Light Grey-Medium Grey, Massive, Fine Grained Aranaceous Dolostone. Abundant ddomite filled fractures (24.94-25.19) Black aranaceous & finely fossiliferous ddostone	
27.40	30.08	Light Grey Mottled-Diffuse Breccia. Matrix has replaced fragments, so now mottled lighter grey sparry matrix supporting light grey diffuse fragments. (29.60-30.08) Has very bleached color, high density of fractures, may be fault.	
30.08	35.30	Medium Grey, Weakly Bedded, Medium Grained Aranaceous Dolostone. (31.74-32.10) Sparry dolomite breccia. 30% white/grey sparry	

SAMPLES				%	%	PPM
NUMBER	FROM	TO	WIDTH	Pb	Zn	Ge
44122	15.76	16.03	0.27	0.01	12.77	13.4
44123	16.03	16.88	0.85	0.01	1.95	1.6
44124	16.88	17.50	0.62	0.01	7.42	50.8
44125	17.50	18.12	0.62	0.01	3.09	5.9

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DIAMOND DRILL RECORD

Property NINA

Logged by Mark E. Bakues
Date Logged Oct 9/90
Drilling Begun Oct 6/90
Drilling Finished Oct 7/90

Hole Bearing 077°
Collar Dip Angle 49°
Dip Test: Depth ND Angle ND
Total Depth 35.66 m

Hole No. 90-13
Core Size BQ
Claim Group OMI 1
Location EAST VERNON AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH
		dolomite matrix supporting distinct fragments with diffuse to sharp margins. core axis / bedding	58°				
33.30	35.32	light Grey Mottled to Brecciated Argillaceous Dolostone 20-25% Grey sparry dolomite matrix supporting <1-2cm fragments. Color similarity makes matrix & fragments indistinct.					
35.32	35.66	Black, Fine Grained, Fossiliferous Dolostone.					
END	HOLE	Black fine grained matrix supporting 10% 1-2mm ovoid & rounded irregular fossil fragments.					

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark E. Baknes
Date Logged Oct 10/90
Drilling Begun Oct 7/90
Drilling Finished Oct 7/90

Hole Bearing 095°
Collar Dip Angle 49°
Dip Test: Depth ND Angle ND
Total Depth 35.66 m

Hole No. 90-14
Core Size BQ
Claim Group OMI 1
Location EAST VERNON AREA

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
0	4	Casing								
4	13.70	Dark Grey / Black Fine Grained, laminated, Fossiliferous dolostone. (same unit described DDH 13 - 14 - 13.30.) (12.83 - 13.47) 4 - 15 mm spherical & elyptical fossil fragments 20%. Core axis / bedding	48°							
13.70	17.95	Light Grey Moderately to Well Brecciated, Fine Grained Dolostone (Similar to DDH 90-13 (13.30 - 19.25)								
		Sample: 15% Orange sphalerite disseminated & in disseminated patches. Host is fine grained breccia with indistinct matrix (rock flour?) could be fault zone.		44126	13.75	14.41	0.66	0.01	5.55	6.8
		Sample: 5% sphalerite disseminated & massive fracture fillings Host is non-to weakly brecciated & most mineralization is disseminated in the host.		44127	14.41	15.28	0.89	0.01	4.87	6.5
		Sample: * Poor Recovery aprox 50-60%*. 5% sphalerite disseminated & as patchy fragment replacements. Host is very blocky & bleached this section very likely Fault Zone. Predominant set dolomite stringers & fracture may be fault plane = core axis / Fault?	35°	44128	15.28	17.75	2.47	0.01	4.75	2.9
		(17.60 - 17.75) Black Argillaceous Dolomite								
17.95	24.90	Light Grey, Medium Grained, Massive, Weakly Arenaceous Dolostone. Abundant dolomite filled fractures, short sections of								

BEATY GEOLOGICAL LTD.
Consulting Geological Services

DIAMOND DRILL RECORD

Property NINA

Logged by Mark Baknes
Date Logged Oct 10/90
Drilling Begun Oct 7/90
Drilling Finished Oct 7/90

Hole Bearing 095°
Collar Dip Angle 49°
Dip Test: Depth _____ Angle _____
Total Depth 35.66

Hole No. 90-14
Core Size BQ
Claim Group _____
Location EAST VERNON

FROM	TO	DESCRIPTION	structure	SAMPLES NUMBER	FROM	TO	WIDTH	% Pb	% Zn	PPM Ge
		breccia. Most fractures between 30↑45° to the core axis.								
		Sample: 5-10% Pyrite as fine grained lenses probably bedding parallel.		44129	18.05	18.62	0.57	0.01	0.49	0.5
		- core axis / bedding ?	48°							
		Sample: Minor brecciation, 1-2% yellow sphalerite as coarse crystals in white dolomite.		44130	18.62	19.05	0.43	0.01	0.56	0.2
24.90	31.72	Light Grey, Massive to Weakly Bedded Medium Grained Arenaceous Dolostone.								
		Much less fracturing than above section.								
		Core axis / bedding	48°							
		(25.45-25.55) bleached fractured section possibly fault								
		(29.57-30.50) Dark Grey Arenaceous Dolostone.								
31.72	35.66	Light Grey / White Massive, Medium Grained								
END	HOLE	Arenaceous limestone.								
		Distinctive Stockwork of black fractures, hooks similar to limestone intersected at end of DDH-12								

APPENDIX III

Diamond Drill Hole Assay Results

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 15 1990
DATE REPORT MAILED: Oct. 19/90

ASSAY CERTIFICATE

Equinox Resources PROJECT 169 FILE # 90-5287 Page 1
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	4.87	6.5
E 44128	.01	4.75	2.9
E 44129	.01	.49	.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: CORE

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

SAMPLE#	Pb %	Zn %	Ge ppm
E 44951	.01	1.43	.5
E 44952	.01	.62	.4
E 44953	.01	2.34	2.9
E 44954	.01	3.21	3.9
E 44955	.01	1.24	1.7
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	.79	1.0
E 44963	.01	.04	.1
E 44964	.01	1.86	.5
E 44965	1.56	1.69	.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	2.54	1.3
E 44974	.01	.36	.2
E 44975	.01	.36	.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	-

SAMPLE#	Pb %	Zn %	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	-

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Equinox Resources PROJECT 169 File # 90-5287 Page 1

900 - 625 Howe St., Vancouver BC V6B 2T6 Submitted by: MARK BAKNES

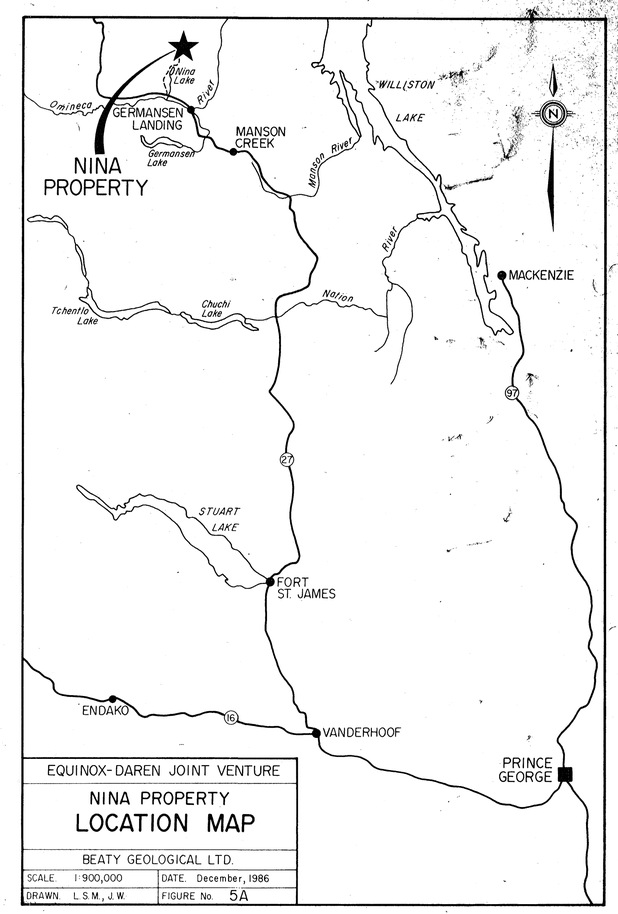
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 44107	230	167	1144	600	4.6	363	38	154	18.76	298	8	ND	1	107	2.2	31	7	33	9.39	.097	2	29	5.72	39	.01	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	4	13.96	.036	2	1	7.18	19	.01	2	.07	.01	.03	1	1
E 44110	16	25	72	179	1.0	68	8	129	2.00	24	5	ND	1	225	.8	8	2	37	20.56	.064	3	4	9.88	26	.01	2	.11	.02	.01	5	1
E 44114	1	7	354	2984	1.5	7	1	148	1.50	14	5	ND	1	64	12.0	5	2	6	21.33	.014	3	5	10.49	55	.01	2	.03	.02	.01	1	1
E 44115	19	44	658	838	1.5	32	4	123	2.73	67	5	ND	1	105	3.2	9	2	10	19.39	.007	5	1	9.21	40	.01	2	.04	.02	.01	1	2
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	1	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	.14	.02	.06	1	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	.90	182	.07	34	1.90	.06	.13	12	530

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O 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.

DATE RECEIVED: OCT 15 1990 **DATE REPORT MAILED:** Oct 19/90 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 44963	1	1	5	381	.2	2	1	91	.14	2	5	ND	1	81	.6	2	2	3	22.17	.014	2	1	5.66	842	.01	2	.05	.01	.01	1	6
E 44964	23	26	70	15773	1.1	71	14	104	3.74	29	5	ND	1	145	73.1	5	2	20	18.28	.006	2	7	7.83	31	.01	3	.14	.02	.02	1	3
E 44966	3	5	156	674	.3	15	2	117	1.09	11	5	ND	1	451	3.5	3	2	8	15.22	.021	4	4	6.95	54	.01	2	.14	.01	.03	1	2
E 44967	8	5	623	339	.4	26	4	125	1.42	5	17	ND	3	253	3.2	3	2	15	13.29	.285	4	18	6.03	115	.01	2	1.45	.02	.30	1	2
E 44968	7	12	24	1742	.2	20	3	140	1.47	12	11	ND	2	406	7.8	3	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	2	7	13.30	.019	4	6	4.58	61	.01	2	.10	.01	.03	1	1
E 44970	5	12	34	96	.2	42	9	103	2.17	10	9	ND	2	188	.9	2	2	11	11.51	.098	5	8	5.32	127	.01	2	1.32	.02	.15	1	2
E 44971	8	2	31	170	.1	27	82	79	.95	6	18	ND	3	3420	1.1	2	2	8	16.29	.392	13	119	4.64	26044	.01	15	1.08	.01	.06	1	1
E 44973	23	40	94	31091	1.8	27	6	136	1.84	22	5	ND	1	147	114.2	8	2	15	22.60	.056	3	9	10.45	2560	.01	2	.30	.02	.03	1	3
E 44980	23	43	270	25413	3.1	29	7	165	2.88	38	5	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	3	9.51	33	.01	3	.07	.02	.02	1	1
E 44982	18	21	1526	10037	3.1	26	4	122	2.33	41	5	ND	1	149	46.0	6	2	10	19.14	.021	2	6	8.56	24	.01	2	.07	.02	.01	1	1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 44995	10	19	76	1420	.9	24	2	186	5.25	79	5	ND	1	87	6.8	8	3	8	16.61	.036	2	7	8.28	26	.01	2	.18	.02	.06	1	1
E 44997	15	12	42	2727	.6	22	4	178	1.02	31	9	ND	2	131	7.5	5	2	10	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	21.35	.077	2	2	9.64	171	.01	3	.06	.02	.01	1	1



EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY

LOCATION MAP

BEATY GEOLOGICAL LTD.

SCALE. 1:900,000 | DATE. December, 1986

DRAWN. L.S.M., J.W. | FIGURE No. 5A

FOR BIDDY AREA GEOLOGY
See Figure 5

FOR EAST VERNON AREA
SEE FIGURES 6-8

FOR WEST VERNON GEOLOGY
See Figure 4

OMI No.4 CLAIM

NICA No.1 CLAIM

OMI No.3 CLAIM

OMI No.2 CLAIM

NICA No.3 CLAIM

NICA No.2 CLAIM

OMI No.1 CLAIM

OMI No.4 FRACTION

JEMINA

1976 CAMP

OLD CAMP

1975 CAMP

DDH 90-1 to DDH 90-14

C-Nin-1R to 14R, 16R, 19R

169-1R to 12R

169-13R to 18R

169-19R

169-20R

169-21R

169-22R

169-23R to 25R

C-Nin-15R to 17R

See Map (FIG. 6)

See Map (FIG. 7)

Intershale dolomites

Zipperlip Creek

Pond

Conrad Creek

Cinnoid Creek

ECHO LAKE

Zn, Pb

Pb, Zn

Zn

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,492

LEGEND

PENNSYLVANIAN TO PERMIAN

4 — ARGILLITE, PHYLLITE, CHERT, LIKE BELOW - PENETRATED BY GABBRO AND DIABASIC DYKES

3 — ARGILLITE, PHYLLITE, CHERT-ARGILLITE (RIBBON-CHERT) INTERBEDDED CARBONATES AND CONGLOMERATES WITH SLATE IN THE BOTTOM (LOCALLY)

ORDOVICIAN TO MIDDLE DEVONIAN

MIDDLE DEVONIAN

2 — ARENACEOUS. CARBONATES WITH FOSSILIFEROUS CARBONATES ALGALAMINAE, CRINOIDS (1 & 2 HOLES), CORALS

LOWER TO MIDDLE DEVONIAN

1 — CARBONATES, MOSTLY DOLOMITIC, ALGALAMINAE AND ALGAL BALLS

TRENCHES

SULPHIDES IN PLACE

SULPHIDES IN FLOAT

FAULTS, MAINLY INFERRED FROM AIR PHOTOS

MINERALIZED ZONE

LEGAL CORNER POST

C-Nin-16R 1986 Sample

169-12R 1987 Sample

See Appendix II for Sample Results

1990 DDH Collar Locations

100 0 100 200 300 400 500 600 700 metres

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY

GENERAL COMPILATION MAP

N.T.S. 93N/15

EQUINOX OPERATIONS GROUP

SCALE. 1:10,000 | DATE. OCT., 1990

DRAWN. MB, GR | FIGURE No. 3

NOTE.
MAP MODIFIED FROM DATA PROVIDED BY COMINCO LTD. AND OTHERS.

Contact

Creek

53

8

6

4

5

Ba

54

3

169-21R

Pb

6

5

Zn

8

2

55

Pb

Zn

30

Qtz pods

9

20

blk.-fine-argil

6

3

6

Calcite-qtz pods w.tr. yellow ZnS

8

DDH 90-3

35

30

Pb (Zn, Ba)

2

169-23R

C-Nin-17R

169-24R

169-25R

C-Nin-16R,16RA,16M

6

Pb, Zn

blk, massive

5

Lst. rubble

laminated

75

34

Qtz stringers w.tr. yellow Zn

subtle banding foss ?

laminated

DDH 90-1

DDH 90-2

C-Nin-15R

Ba, Zn

169-22R

18

2

Zn

70

5

6

56

3

8

Slickensides

1

Zn

75

20

4

4

5

6

8

DDH 90-4

Pb

DDH 90-5

Zn

6

8

7

5

Zn

10 0 10 20 30 40 50 60 70

metres metres

LEGEND

9	Shale - black, soft and fissle, cleaves into thin plates. Locally oxidized. Local slate development as medium grey f.g. platy
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.
6	Dolomite - Varies in colour from lt. grey to dark grey. Usually fine grained, massive but locally coarser. Pyrobituam in trace amounts.
5	Crinoidal foss. dolo. - Black f.g. massive. Often has two-hole crinoids. Locally weathered to crumbly material.
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 sparry dolomite. Zoning common. Intensity of replacement variable from true breccia with matrix to completely replaced with only white dolomite. Most often original rock type was 6. Not bedded.
2	Arenaceous dolo.- Small black rounded qtz. grains set in medium grey, usually f.g. dolo. (usually as 6) Qtz content very variable.
1	Sandstone - Large local lenses of small rounded qtz. grains with minor interstitial dolomite. Porous. Resistant and massive. Interpreted aeolian source.
	Argillite - Grey to green fine grained lensoid.

Zn, Pb sulphides (disseminated, massive)

Trench outline — C-Nin-16R — 1986 Sample

Outcrop — 169-12R — 1987 Sample

Fault — See Appendix II for Sample Results

15 Bedding attitude — 1990 DDH Collar & Trend

Old hand trench

(17) Trench number

NOTE.
MAP MODIFIED FROM DATA PROVIDED BY COMINCO LTD. AND OTHERS.

EQUINOX-DAREN JOINT VENTURE

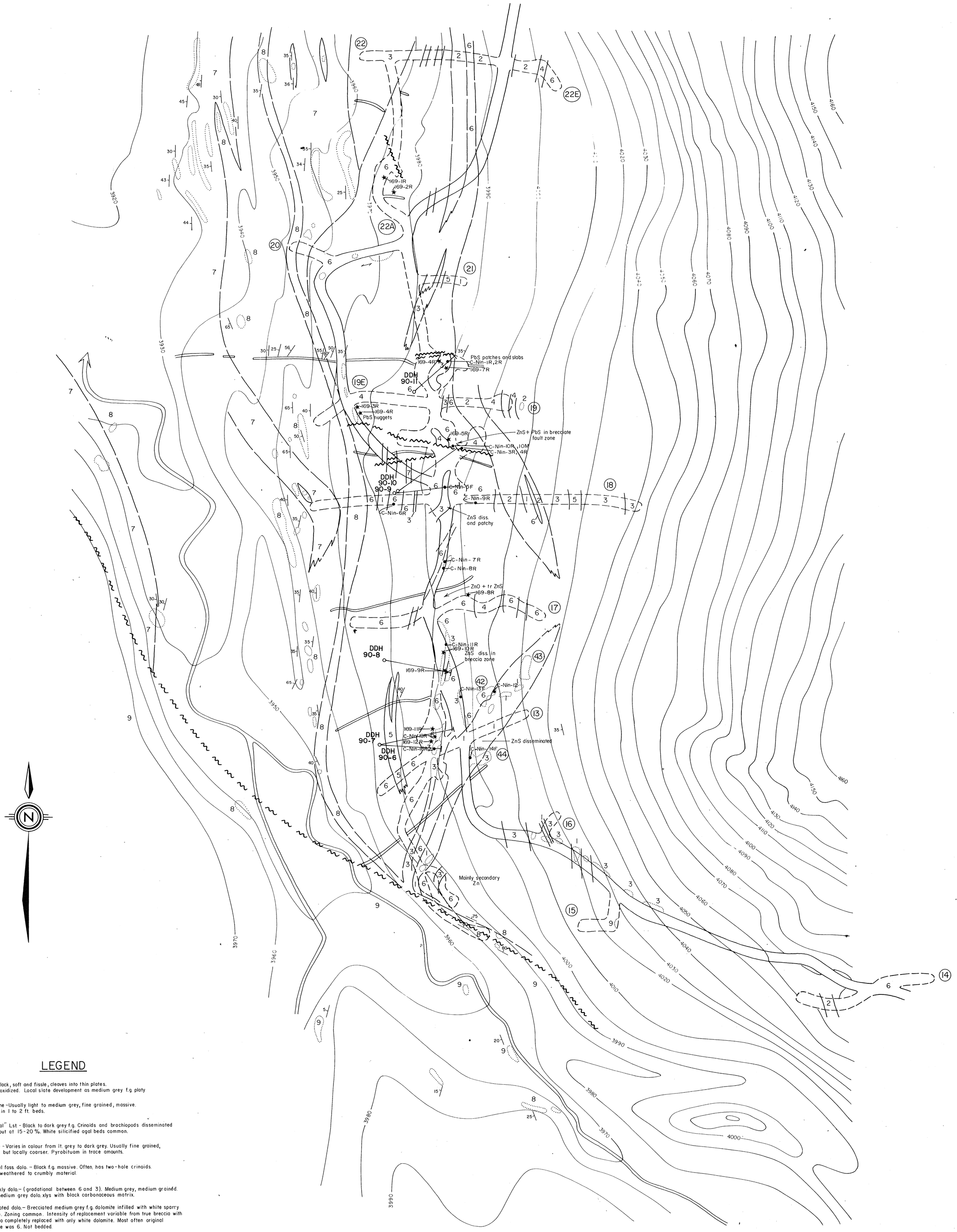
NINA PROPERTY

WEST VERNON AREA

GEOLOGY, GEOCHEMISTRY & 1990 DRILL HOLE LOCATIONS

EQUINOX OPERATIONS GROUP

SCALE. 1:1000	DATE. OCT., 1990
DRAWN. MB, GR	FIGURE No. 4



LEGEND

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4	Coarse xly dolo.- (gradational between 6 and 3). Medium grey, medium grained. Often medium grey dolo. xlys with black carbonaceous matrix.
3	Impregnated dolo. - Brecciated medium grey f.g. dolomite infilled with white sparry dolomite. Zoning common. Intensity of replacement variable from true breccia with matrix to completely replaced with only white dolomite. Most often original rock type was 6. Not bedded.
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	Argillite - Grey to green fine grained lensoid.

Zn, Pb sulphides (disseminated, massive)

Trench outline

Outcrop — C-Nin-16R 1986 Sample

Fault — 169-12R 1987 Sample

15 Bedding attitude — See Appendix II for Sample Results

Old hand trench — 1990 DDH Collar & Trend

(17) Trench number

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,492

NOTE.
MAP MODIFIED FROM DATA PROVIDED BY COMINCO LTD. AND OTHERS.

metres 10 0 10 20 30 40 50 60 70 metres

EQUINOX-DAREN JOINT VENTURE

NINA PROPERTY

BIDDY AREA

GEOLOGY, GEOCHEMISTRY & 1990 DRILL HOLE LOCATIONS

EQUINOX OPERATIONS GROUP

SCALE. 1:1000	DATE. OCT., 1990
DRAWN. MB, GR	FIGURE No. 5