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Bond Gold Project

Progress Report

1984

N.T.S. 42 A/7; 42 A/10 Latitude 48 29/N Longitude 80 43'W

December 1984

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G. E. Nutter



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Table 1 Bond - Property Status

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Appendix I Diamond Drill Logs - 1984

Summary:

The Bond Project consists of the Moose (southwest), the Driftwood (southeast), and the Grindstone (northeast) properties in 86 contiguous claims (1,376 ha) in Bond Township, near Timmins, Ontario.

The objective of the project is to discover an economically viable gold deposit within the favourable Archean aged greenstones present in this area. Previous work and substantial work by Westmin subsequent to acquisition of the property by staking in 1980 led to discovery and partial delineation of highly anomalous gold contents in glacial till. The project lands cover rocks similar to those which host gold deposits in the nearby Timmins camp. Prospecting has been hampered in the past by the extensive, thick overburden however overburden drilling (1735 metres in 41 holes) has outlined three highly anomalous gold dispersion trains (>10,000 ppb in H.M.C.). The property has received blanket linecutting (85.4 km) Max-Min (85.4 km) and magnetometer (85.4 km) coverage and geological mapping.

Follow-up diamond drilling (1,119.6 metres in four holes) has partially tested the three anomalies. The Grindstone anomaly has been down-graded while positive results in the form of low grade gold intersections were obtained in both the Moose (0.99 g/tonne over 3.0 m in sludge from an altered porphyry) and Driftwood (10 cm of 2.14 g/tonne in B-83-3 and 1.0 m of 1.76 g/tonne in B-84-4) areas.

Location, Access and Physiography:

The Bond Project claims are approximately sixty kilometres east of Timmins, Ontario and between three and eight kilometres south of Highway #101 (Figure 1).

Access to the claims is available from Highway #101 utilizing a gravel and clay road running south from Shillington and a gravel and bush road 1.7 kilometres west of Shillington. Access to the southwestern end of the property is available by using an unnamed east-west bush road which intersects the Gibson Lake Road one-half of one kilometre south of the June Lake Road. Limited access by boat to some areas of the property is provided by Moose Lake, the Driftwood and Little Driftwood Rivers and the Grindstone and Driftwood Creeks.

The property is characterized by flat topography, generally exhibiting less than 50 metres relief. The streams and rivers are surrounded by alder forested flood plains, fringed in turn by thick spruce and cedar swamps. Gentle rises in topography are characterized by 10 to 15 metre high deciduous forest, dominated by birch and poplar trees.

Most of the claims are covered by glacial till which is in turn covered by Pleistocene aged lacustrine clays. Outcrop exposures are rare.

Property Status:

Our present land position consists of 86 contiguous mining claims however the focus of the work on our three main areas of interest and a lack of assessment credits or encouraging results on the "fill in" claims between the Driftwood and Moose anomalies will likely result in Westmin reducing its holdings to 46 key claims (736 ha) in 1985. (See Table 1).

Westmin holds 100% interest in this project.

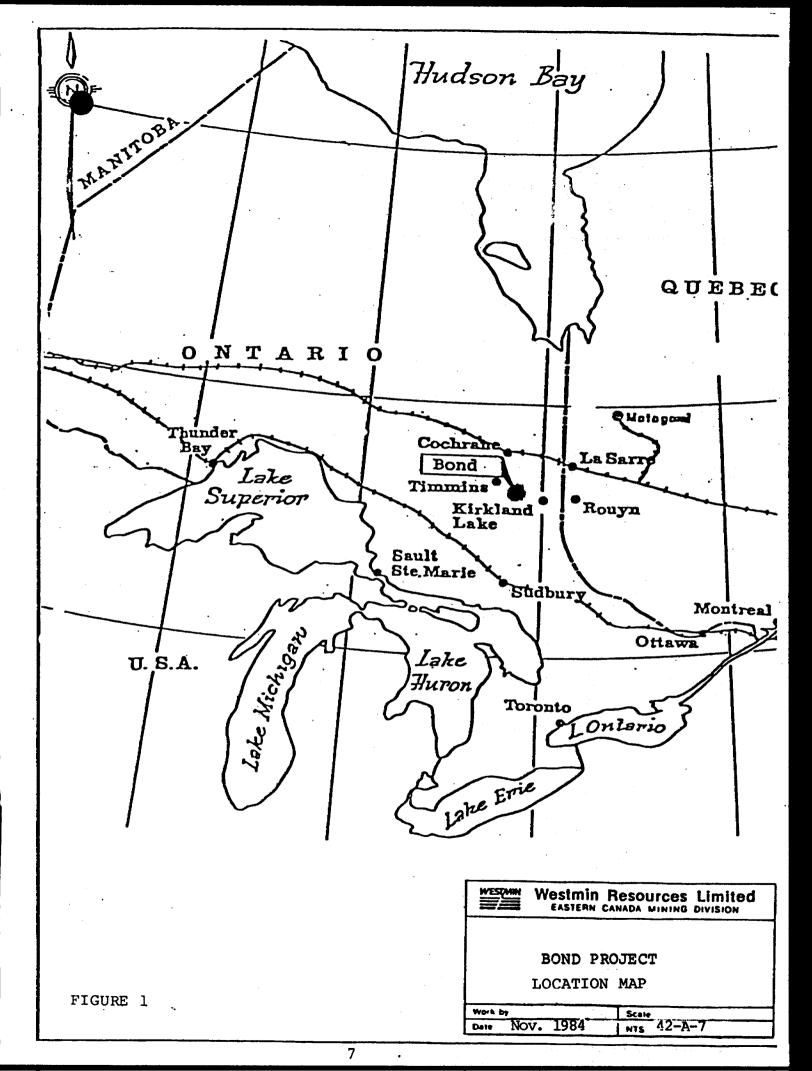


TABLE 1

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BOND PROJECT - PROPERTY STATUS

Metal: Gold

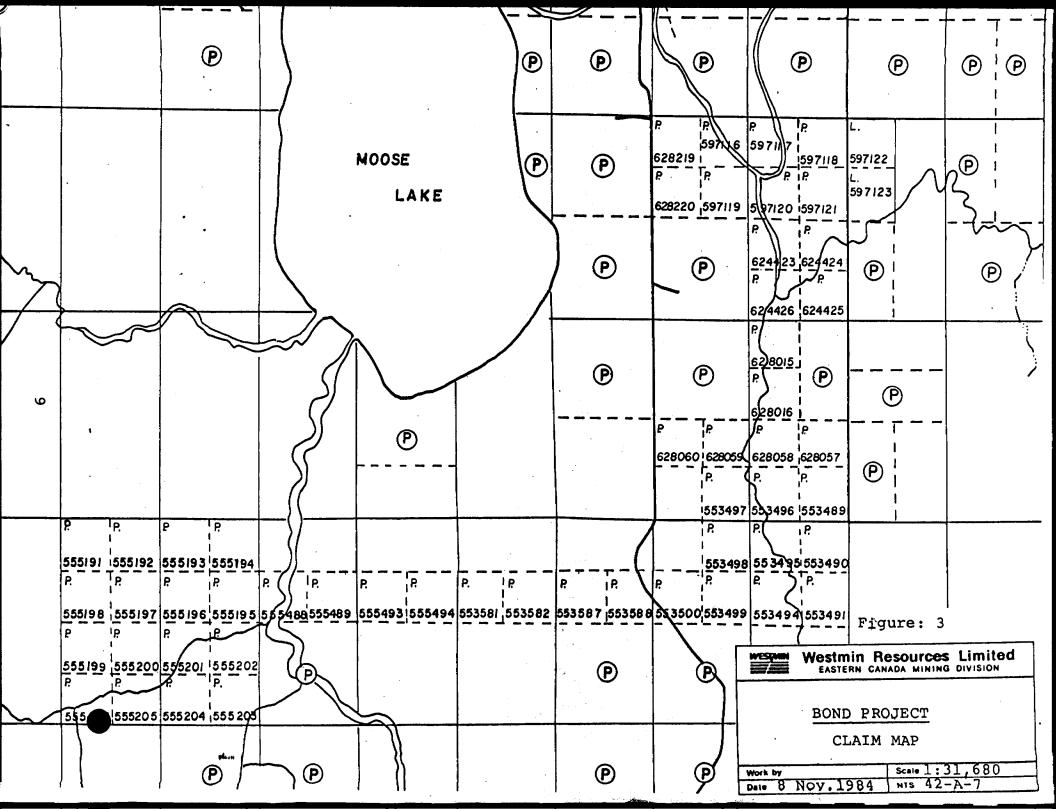
Equity: Westmin Resources Limited 100%

Location: Bond and Currie Townships, Porcupine and Larder Lake M.D. Ontario, N.T.S. 32-A-7

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<u>Claim Number</u>	(ha) <u>Area</u>	Recorded Date	Total Requ'd Days	Days Filed	Balance Days Due	Assessment Work Due	Lease Due
P.553489-553491 (3)	48	5 March 1980	600	600	Nil	5 March 1986	5 March 1986
P.553494-553500 (7)	112	5 March 1980	1,400	1,400.	Nil	5 March 1986	5 March 1986
P.555191-555205 (15)	240	27 Feb. 1980	3,000	3,000	Nil	27 Feb. 1986	27 Feb. 1986
P.555427 (1)	16	5 March 1980	200	200	Nil	5 March 1986	5 March 1986
P.597116-597121 (6)	96	30 Jan. 1981	1,200	870	330	30 Jan. 1986	30 Jan. 1987
L.597122-597123 (2)	32	2 Feb. 1981	400	280	120	2 Feb. 1986	2 Feb. 1987
P.624423 (1)	16	14 Sept.1981	200	200	Nil	14 Sept.1987	14 Sept.1987
P.624424-624425 (2)	32	14 Sept.1981	400	280	120	14 Sept.1986	14 Sept.1987
P.624426 (1)	16	14 Sept.1981	200	200	Nil	14 Sept.1987	- 14 Sept,1987
P.628015-628016 (2)	32	14 Sept.1981	400	400	Nil	14 Sept.1987	14 Sept.1987
P.628057-628058 (2)	32	14 Sept.1981	400	400	Nil	14 Sept.1987	14 Sept.1987
P.628059-628060 (2)	32	14 Sept.1981	400	280	120	14 Sept.1986	14 Sept.1987
P.628219-628220 (2)	32	14 Sept.1981	400	280	120	14 Sept.1986	14 Sept.1987
46 claims	736 ha	1	9,200	8,390	810 days		
Claims to be kept	in order	to be able t	o group:	P.555488 P.555493 P.553581 P.553587	P.555494 P.553582		

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Technical Justification:

The project area is located in the Porcupine Mining District. Total gold production from this district exceeds that of any single hardrock mining camp in the Western World excepting the Witwatersrand of South Africa. This property is considered well situated with respect to regional geology of this tamp (see geology section).

Exploration by traditional prospecting, geochemical and geophysical methods has always been severely hampered by thick overburden. The development of geochemical sampling of tills utilizing reverse circulation drilling techniques in the 1970's made more rigorous exploration for gold and base metal deposits possible within the project area. The discovery of the Aquarius gold deposit in neighbouring Macklem Township (immediately west of Bond Township) is directly attributable to reverse circulation drilling.

Results from the reverse circulation work on the Bond claims, show highly anomalous gold contents in some of the tills present here (Figures 4, 5 and 8). The most striking of the three anomalous areas is the Driftwood (southeast) claims where strongly auriferous till has been outlined by ten reverse circulation drill holes over a strike length of 1.1 kilometres. Eighty-two gold grains were noted on the Wilfey table during analysis of the material returned from these holes and ten samples of heavy mineral concentrates of this material yielded values of >15,000 ppb gold (Figures 5 and 11).

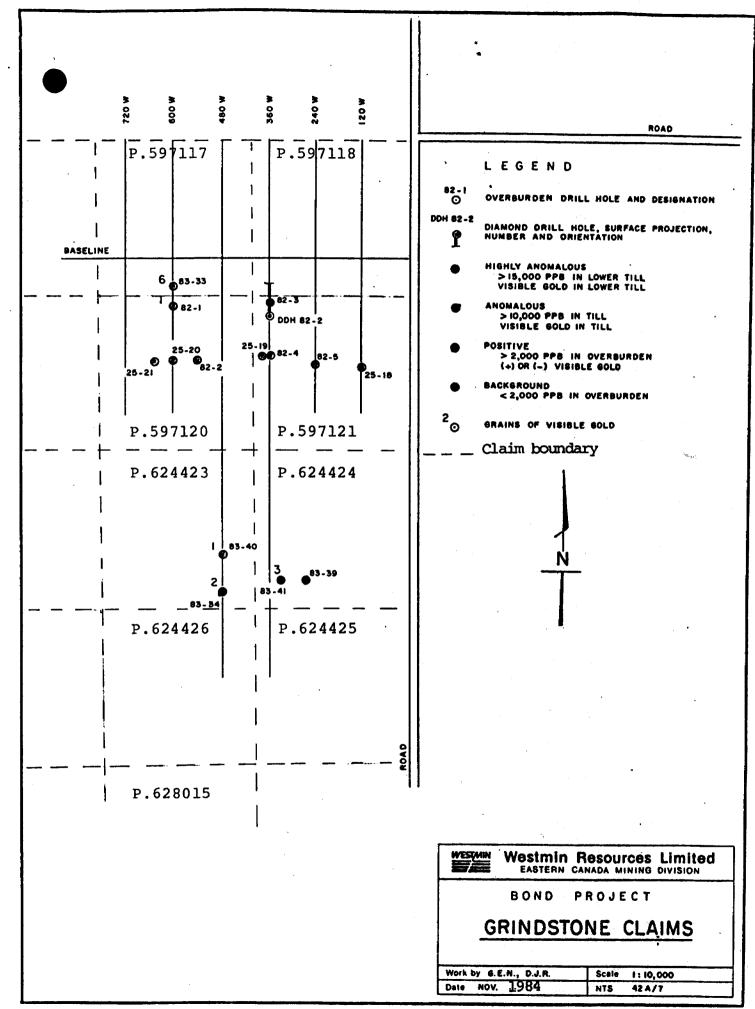
Diamond drilling in four holes has only partially tested the Moose, Driftwood and Grindstone anomalies. Highly anomalous but sub-ore grade gold was encountered in core from two holes in the Driftwood area and in diamond drill sludge on the Moose claims.

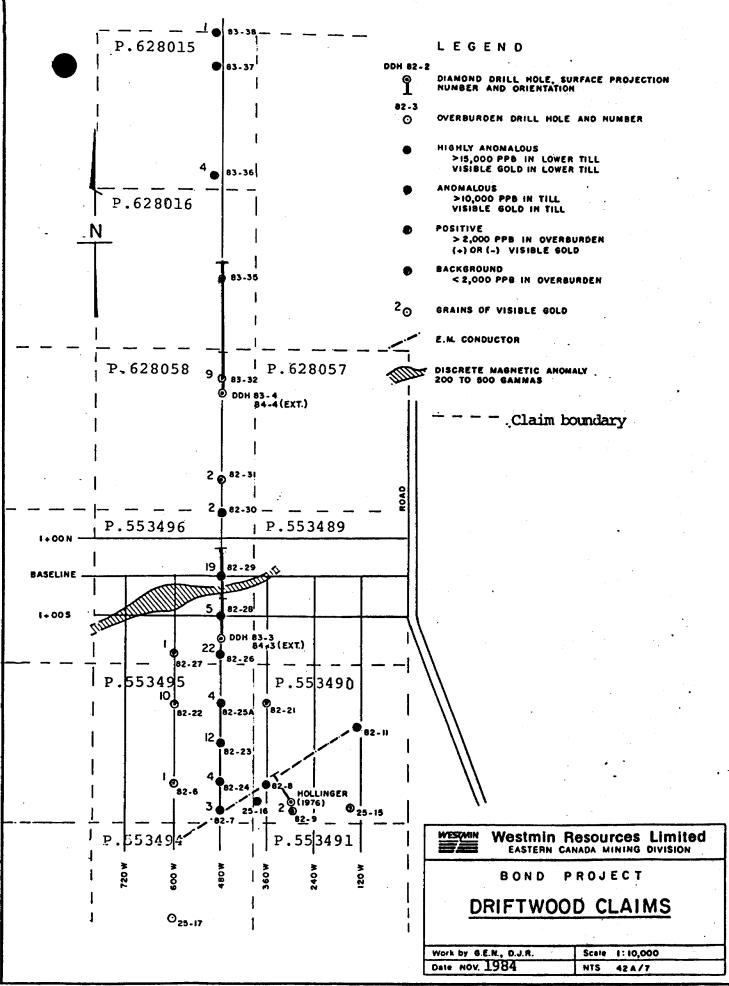
1984 Programme:

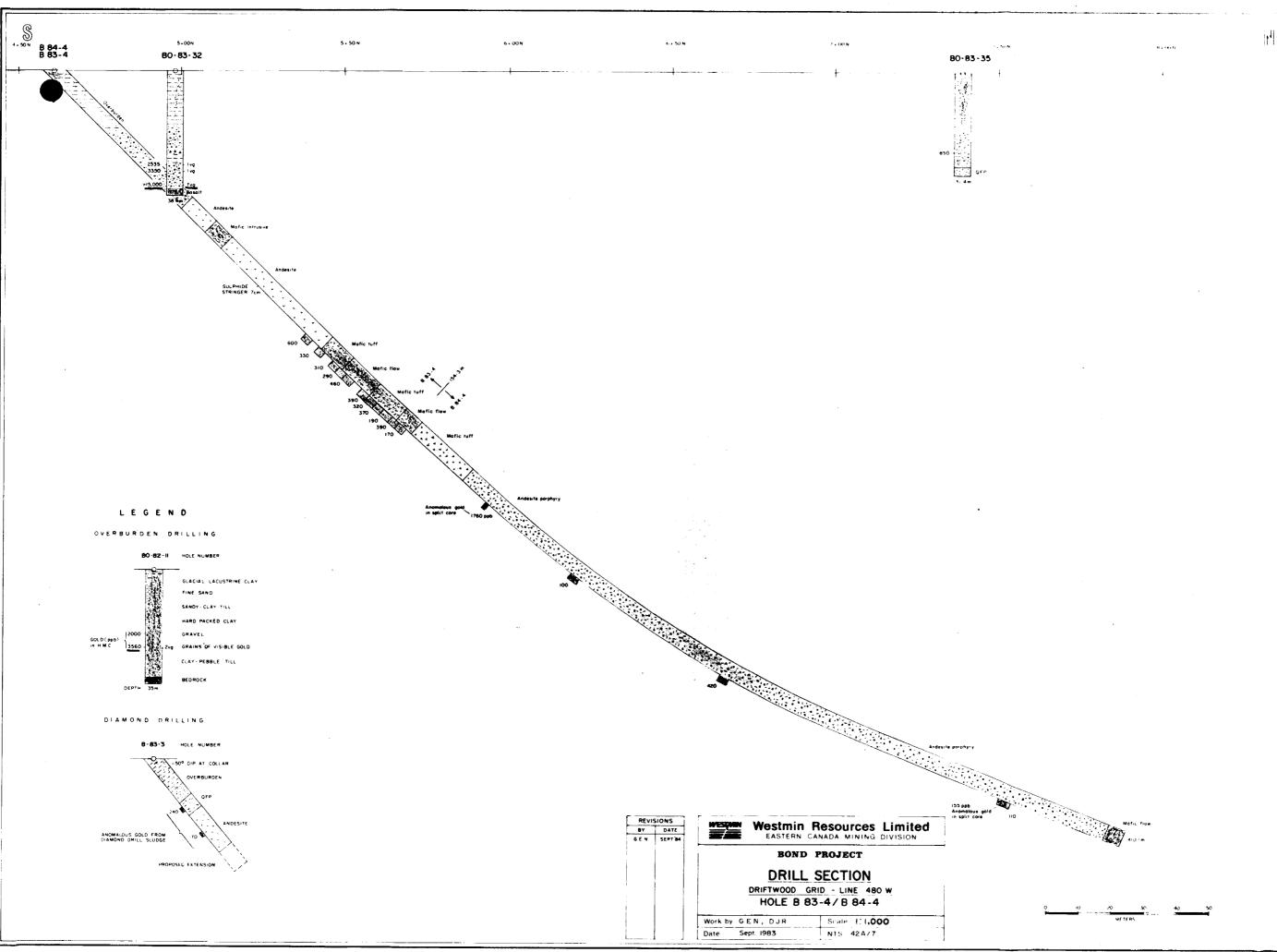
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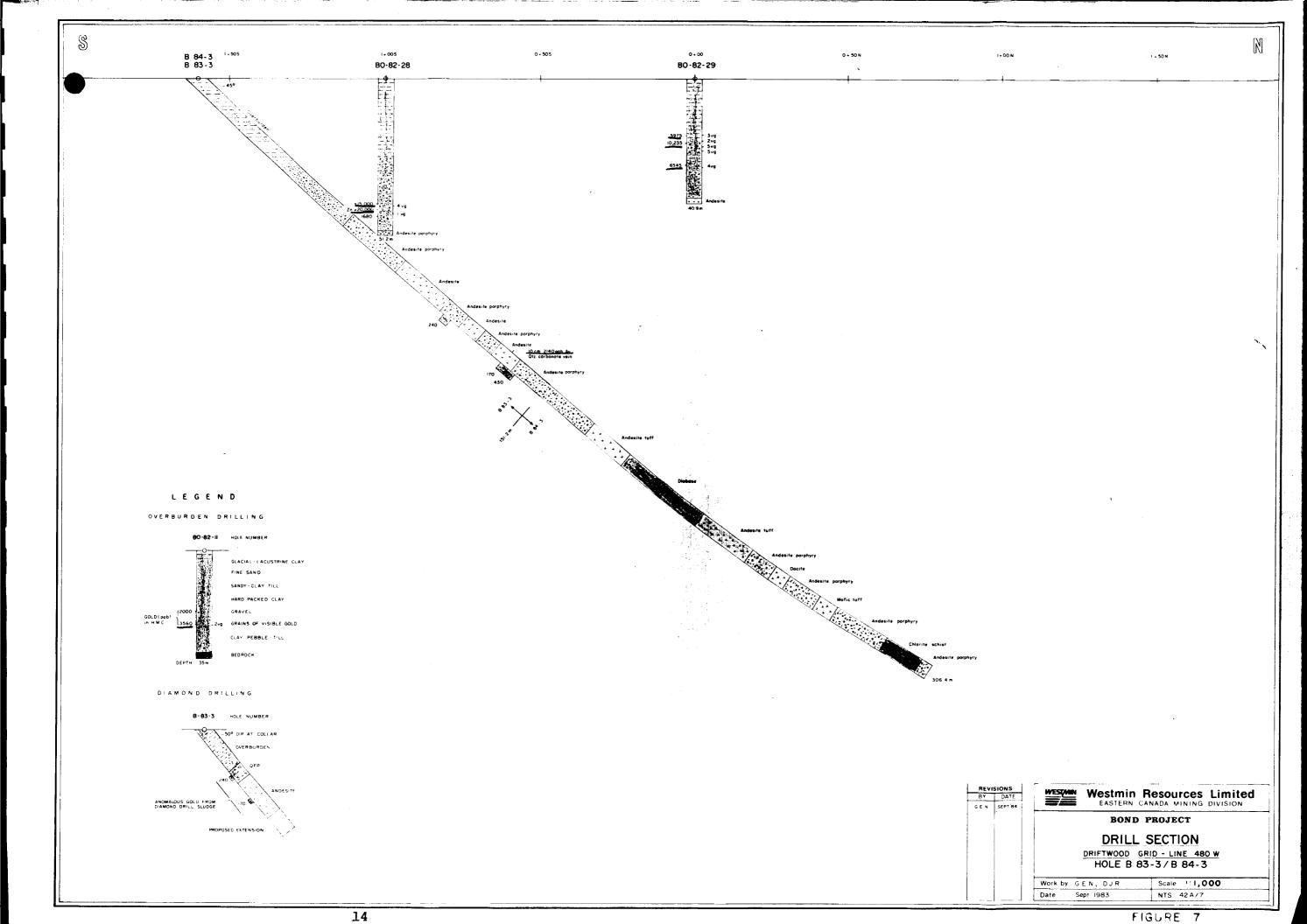
A geological mapping programme and compilation of geological data from diamond drill holes and 41 reverse circulation drill holes was undertaken.

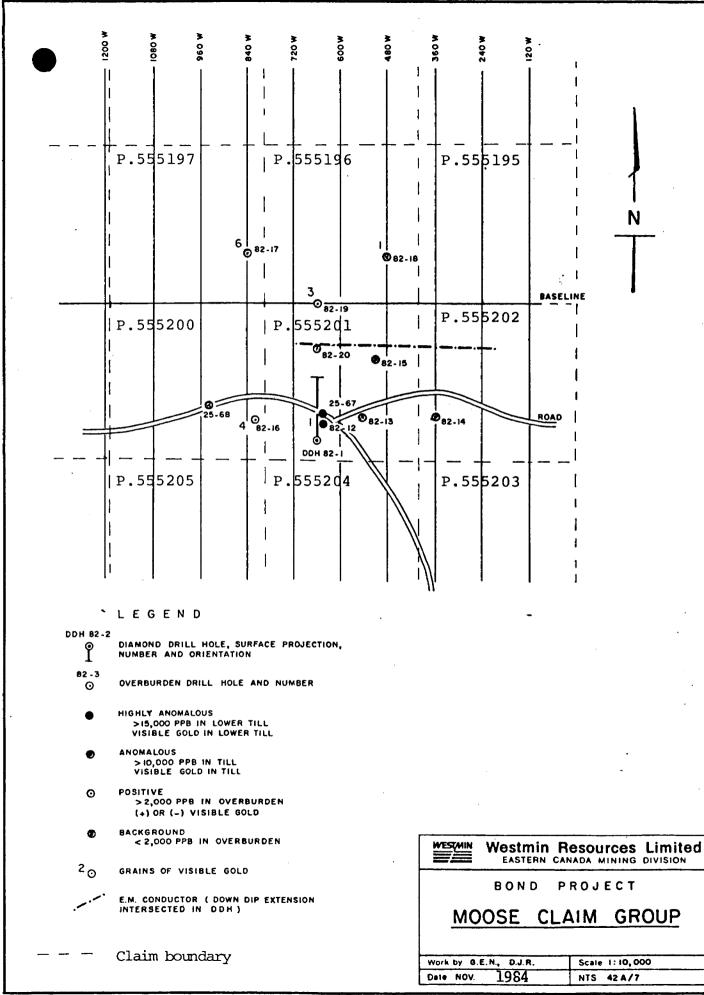
The two diamond drill holes on the Driftwood claims B-83-3 (151.2 m) and B-83-4 (154.3 m) were extended to 306.4 metres (B-84-3) and 410.1 metres (B-84-4) to further test the up-ice cut offs of a pronounced auriferous dispersion trains in glacial till. Fifty-one core splits from the 1983 holes, from sections of anomalous sludge were sent for analysis.











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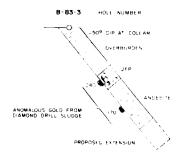
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BO-82-20

BO-82-1 HOLE NUMBER

GOLD(ppb) (2000 - 200 GRAINS OF VISIBLE GOLD IN H M C DEPTH 35m

DIAMOND DRILLING



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Results:

Geology

Only nine areas of outcrop were observed in the field (Figures 17 and 18) but compilation of data from past overburden and diamond drilling and 41 overburden holes and 4 diamond drill holes completed by Westmin has much improved our understanding of the underlying geology. The property is predominantly underlain by mafic to intermediate tuffs and feldspar porphyries and to a lessor extent flows. The texture of the porphyries and the association with tuffaceous material suggests most are likely metamorphosed crystal tuffs. Ultramafic and high magnesium basalts as well as felsic porphyries were noted on the southern portions of the property in both the Driftwood and Moose areas. Minor sedimentary rocks (graphite and chlorite schists) were also noted in drilling on the southeast portion of the property.

Diabase dykes form resistant ridges and represent the dominant outcrop type on the property. Diabase and gabbroic rocks were also intersected in both overburden and diamond drilling. A discrete east-west magnetic anomaly on the Driftwood claims was correlated with a gabbro sill intersected in DDH B-84-3.

Carbonate alteration (calcite) is pervasive in diamond drill core but less evident in surficial exposures possibly due to a fairly well developed saprolite which manifests itself as limonitic alteration, vugs, and limonitic mud in diamond drill core. Some chloritic, sericitic and hematitic alteration was also noted in diamond drilling including chlorite and sericite in DDH B-84-4 and sericite hematite and epidote noted in DDH B-82-2.

Gold mineralization has been noted in three of the four holes drilled by Westmin. A three metre sludge sample from the above altered zone in DDH B-82-2 returned a value of 900 ppb gold. Unfortunately the core was vandalized before splits of this section could be obtained. In Hole B-83-3 a 10 cm section consisting of quartz, calcite, hematite and pyrite returned a value of 2140 ppb Au in an intermediate tuff horizon. In B-84-4 one metre from the footwall zone of one of nine quartz, calcite pyrite \pm chalcopyrite zones hosted by 228 m thick mafic porphyry returned a gold value of 1760 ppb gold. The association of mafic to felsic porphyries, hematitic and sericitic alteration and leucoxene (CaTiO2) with our gold intersections is also a documented phenomenon in parts of the MacIntyre and Ross Mines, 40 kilometres to the west and east respectively of this property. Diamond Drilling:

The extension of Hole B-83-3 from 151.2 to 306.4 metres (B-84-3) intersected a series of mafic to intermediate tuffs and porphyries and a thin chlorite schist (Figures 7, 11, 12 and 14). The magnetic anomaly noted in 1983 was explained by the intersection of a highly magnetic gabbro sill from 185.2 to 216.5 metres. Analysis of several additional sections of core from B-83-3 and selected samples and sludges from B-84-3 failed to yield any significant gold values.

Diamond drill hole B-83-4 was extended from 154.3 to 410.1 metres (B-84-4) and intersected minor mafic tuffaceous material and 227.8 metres of andesitic feldspar porphyry (Figures 6, 11, 12 and 13). Within the porphyry nine short sections of quartz, calcite and pyrite \pm chalcopyrite were noted. One metre of split core from the footwall of one of these sections returned a value of 1760 ppb Au while further analysis of core from B-83-4 yielded negative results.

Sludge recovery from both of the holes drilled in 1984 was poor even though the B casing was reamed further into bedrock than in 1983. This was probably a result of washing of bedrock fractures or other plumbing systems by artesian water which flowed out of the N casing from both holes for over one year. Both holes have the N casing left in place and continue to "make water".

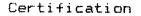
Respectfully submitted by:

G. E. Nutter, B.Sc., F.G.A.C.

Supervised by:

R. H. McMillan, Exploration Manager, Eastern Canada.

November 30, 1984.



I, George Ernest Nutter of 188 Randolph Road, Toronto, Ontario, M4G 3S5, certify:

1) I hold a Bachelor of Science Degree (1976) with a major in Geology from Dalhousie University, Halifax, Nova Scotia.

2) I have practised my profession on a full time basis for over eight years.

3) I am a Fellow of the Geological Association of Canada and a Member of the Canadian Institute of Mining and Metallurgy.

4) I have conducted field work on this property and examined the geological, geophysical and geochemical data.

5) I have no financial interest in this property.

G. Nutter

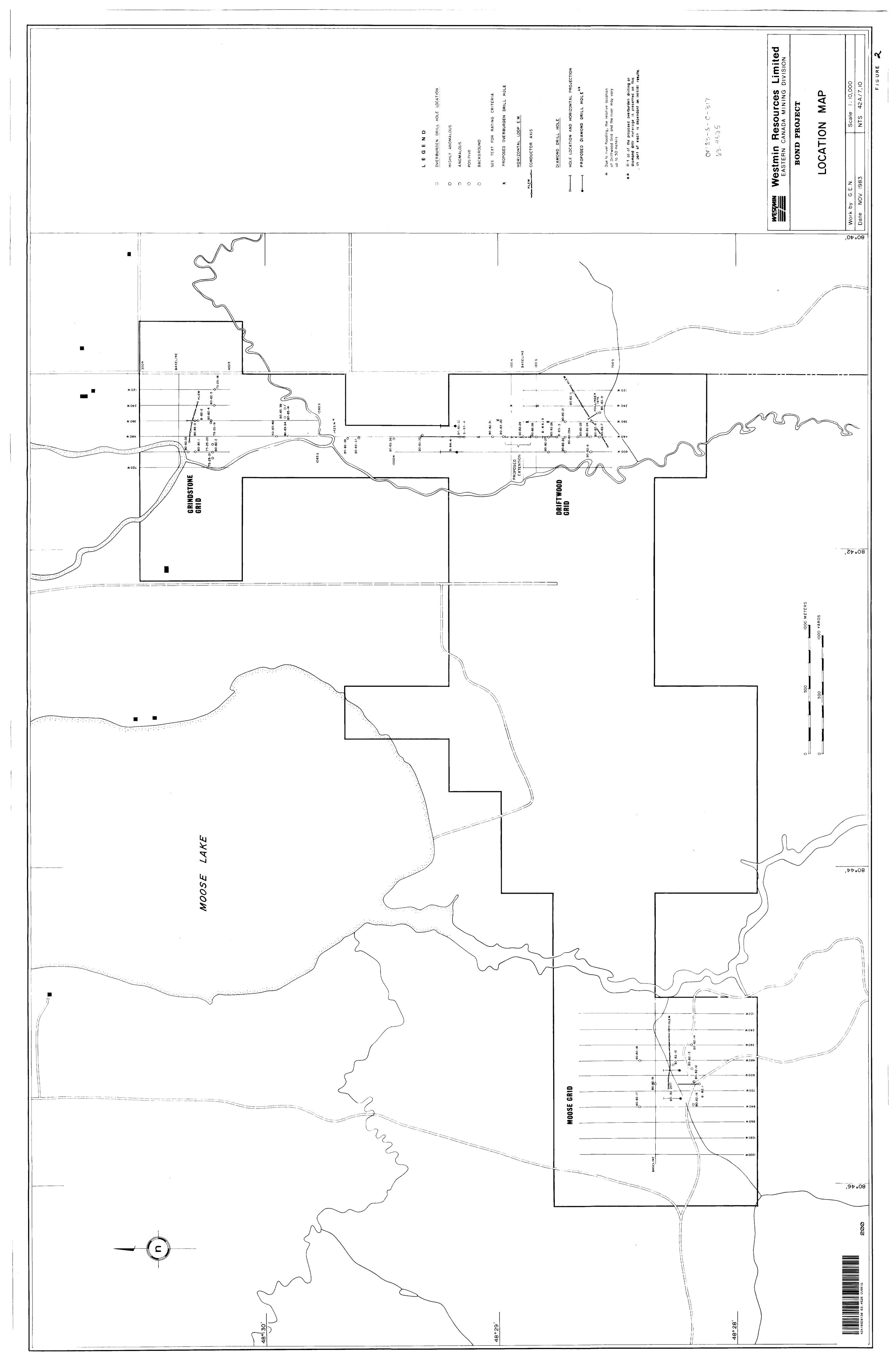
November 30, 1984.

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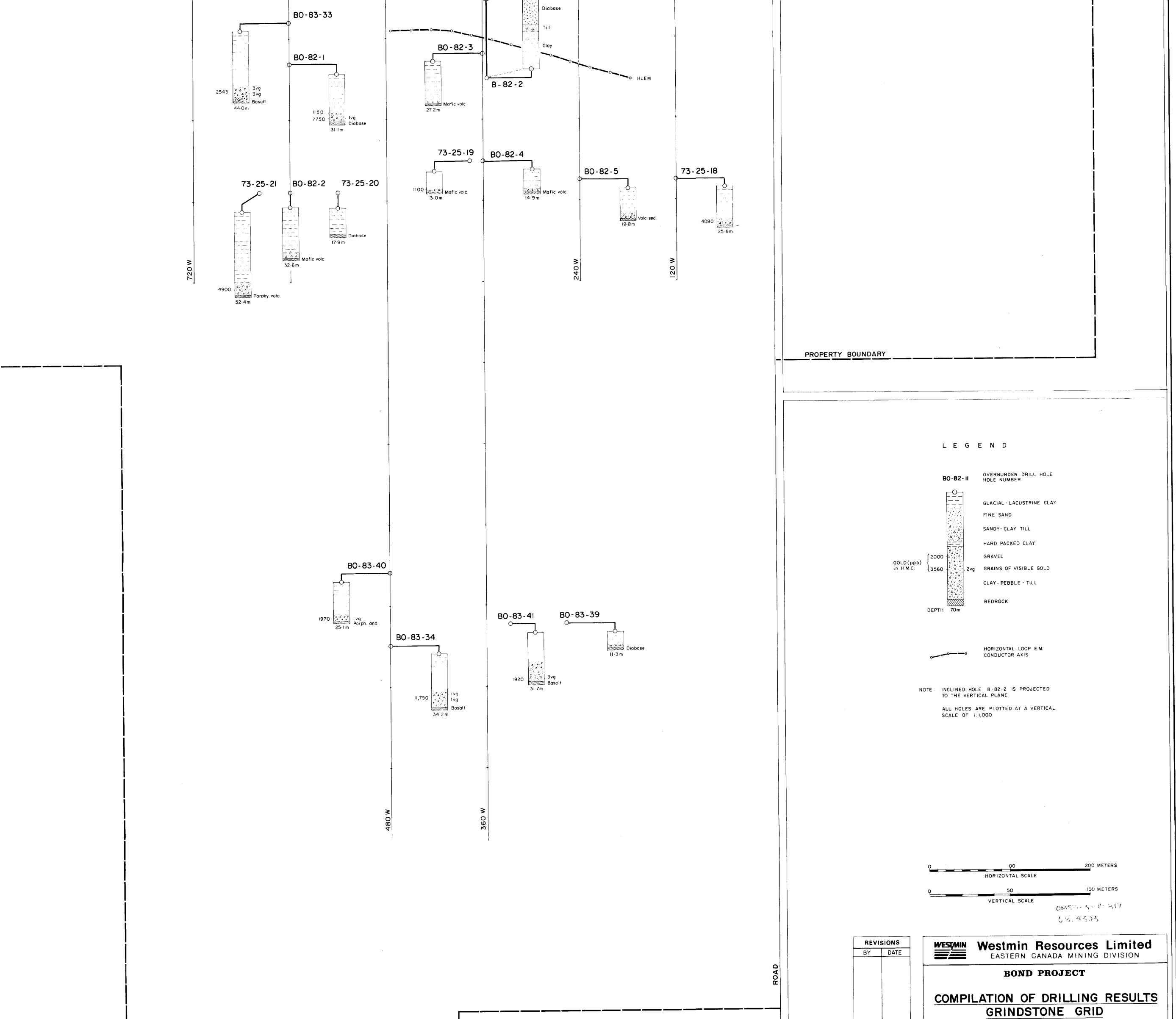
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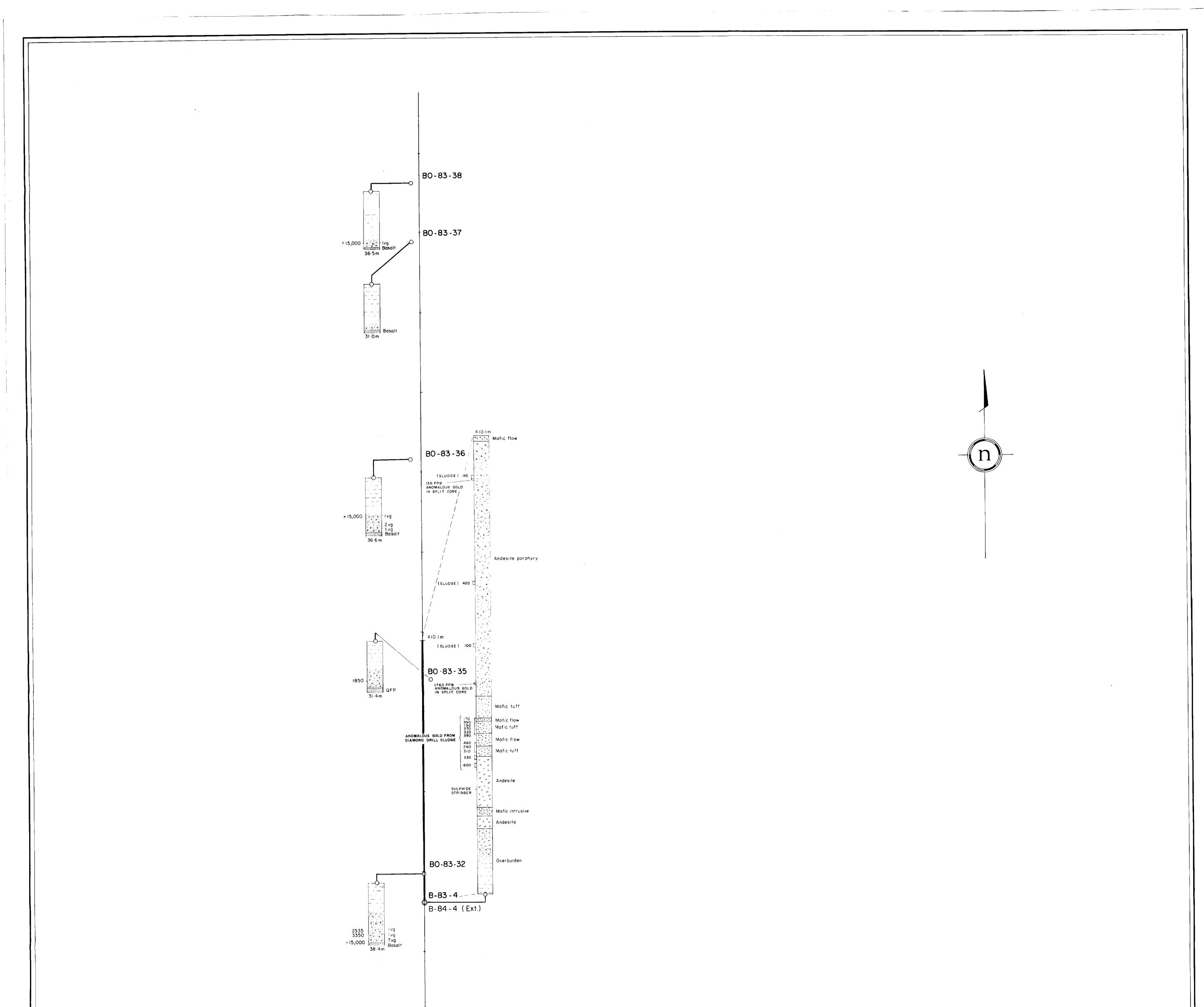
OM83-5-C-317 10/06/87 THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES): COMPARABLE MATERIAL : OMEP MAP B-82-1 DRULL SECTION TORONTO FILE: ROBINSON, D.J. WESTMIN RES. LTD. 10/1982 BOND D.D. # 18. DALEP GEDLOGY MAPS (FIG. 17 and 18) TORONTO FILES NUTTER, G.E. WESTMIN RES. LTD. 30/11/84 2.7594 QUEP BOND PROPERTY CLAIM MAP TORONTO FILES ٩**A**. NUTTER, G.E. WESTMIN RES. LTD. Sept. 17-31, 1984 BOND D.D." 20 11.,. D.D. LOGS OF HOLES : B 84-3 and TORONTO FILES <u>B 84-4</u> BOND D.D. # 20. NUTTER, G.E. WESTMIN RES. LID. Sept. 17-31, 1984

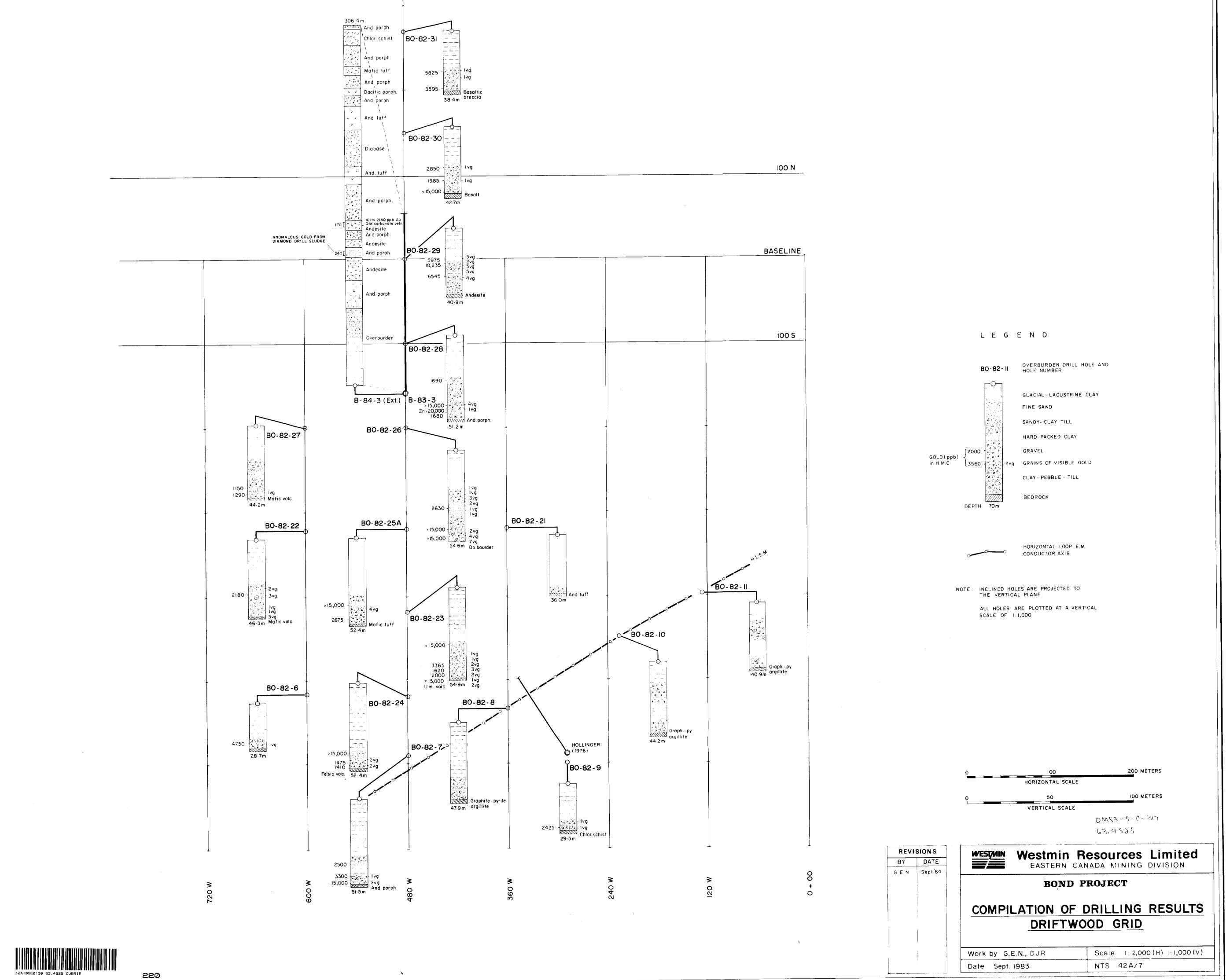


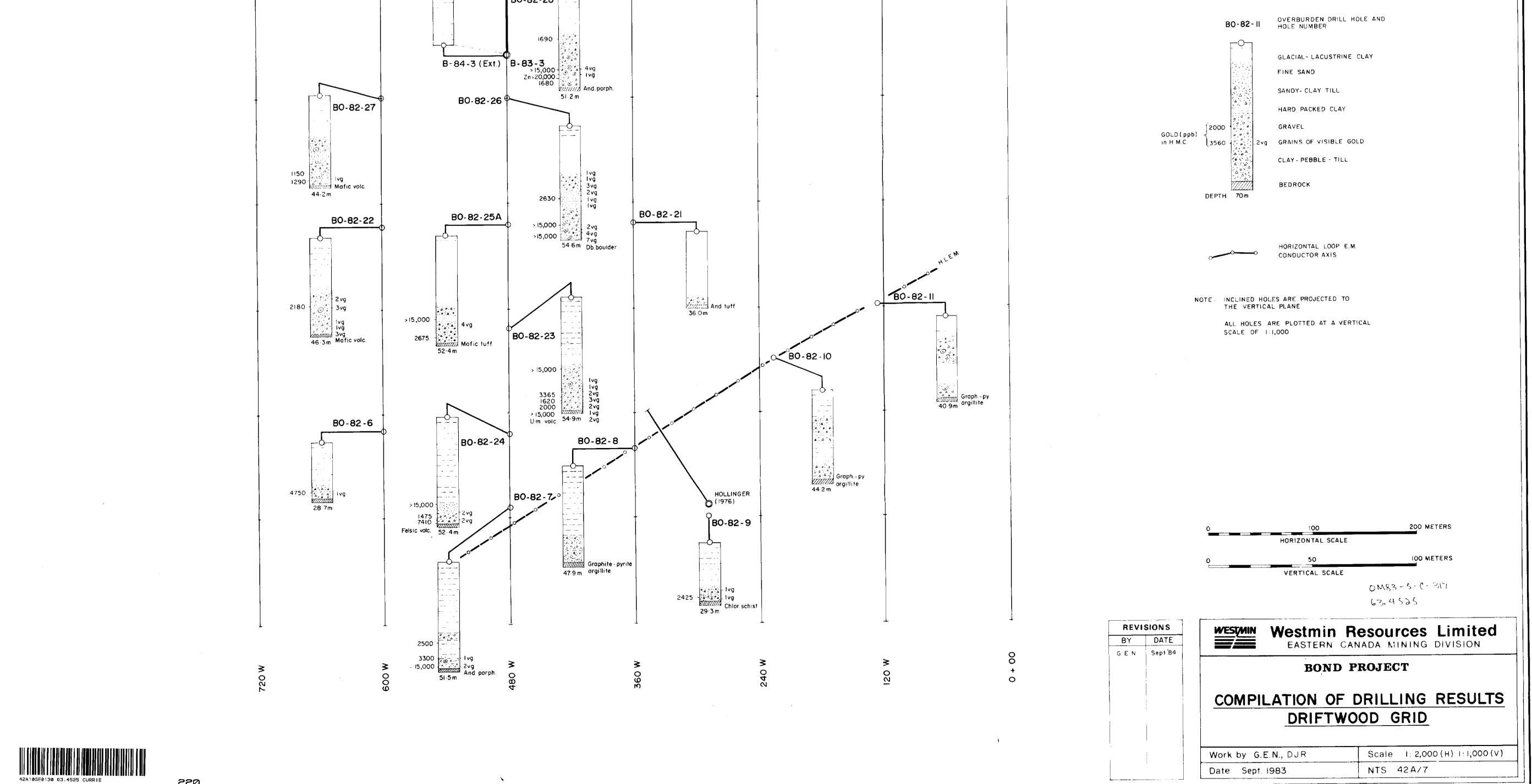
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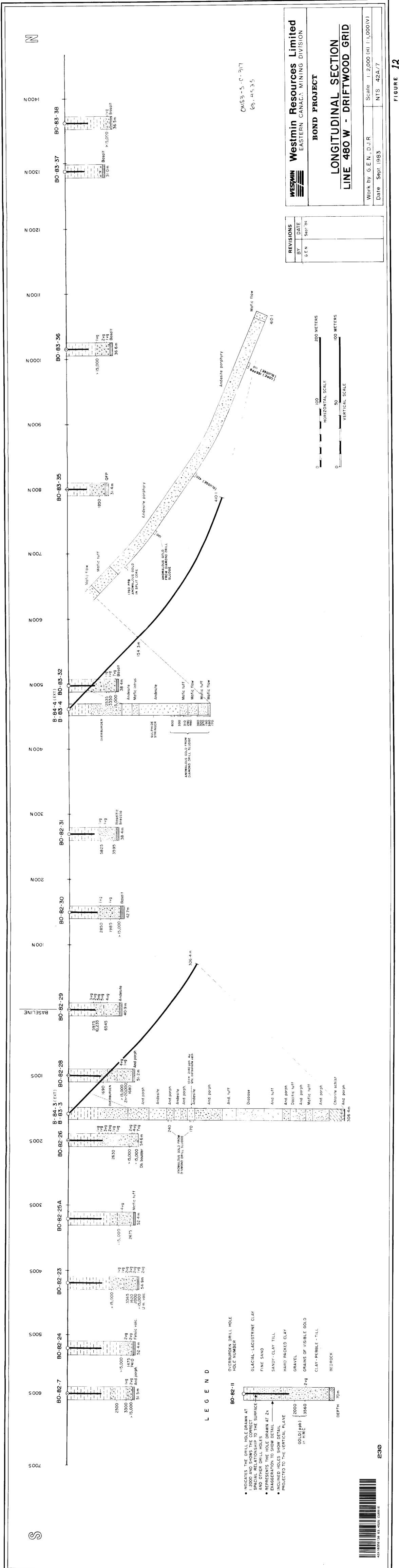


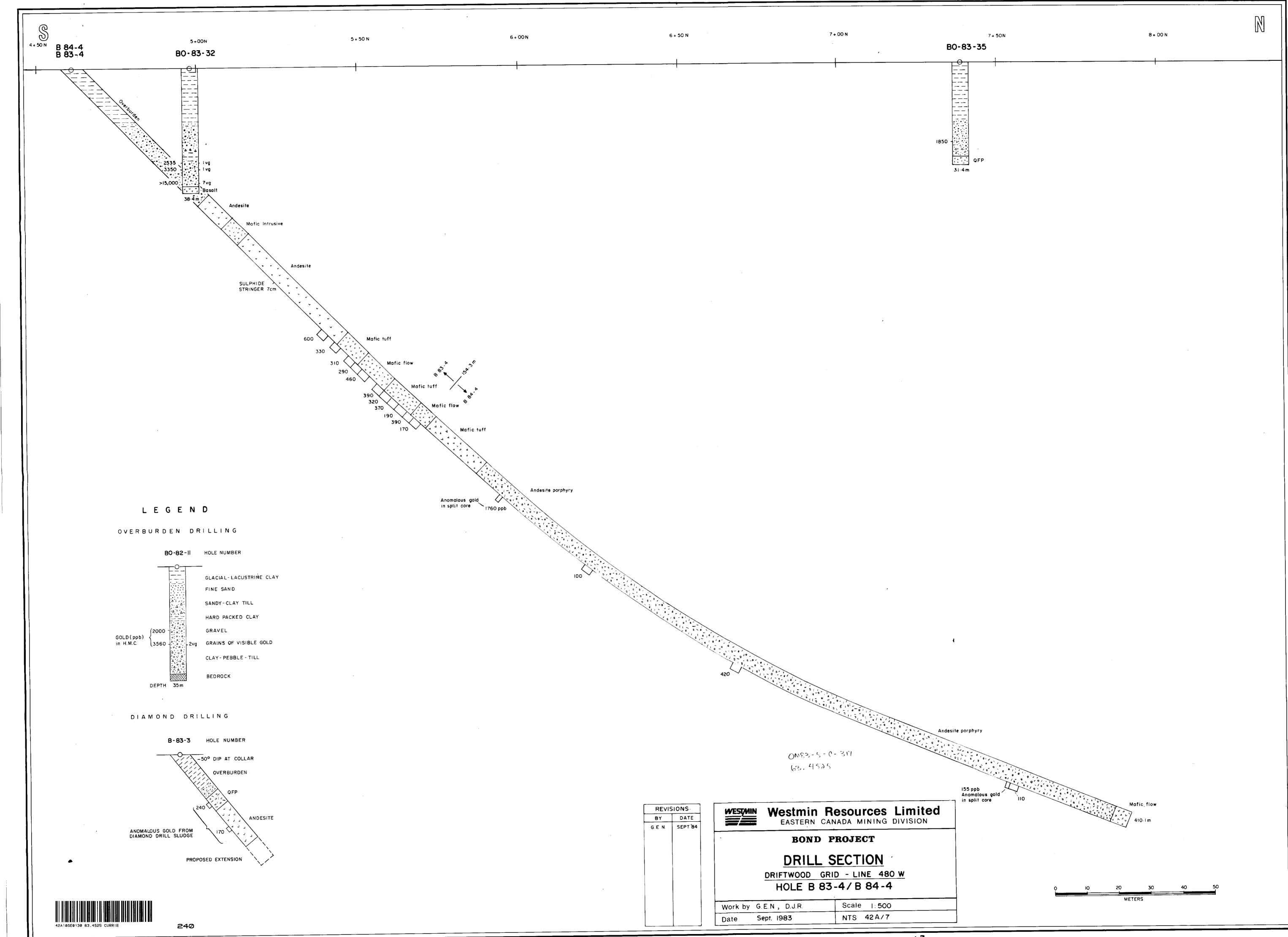


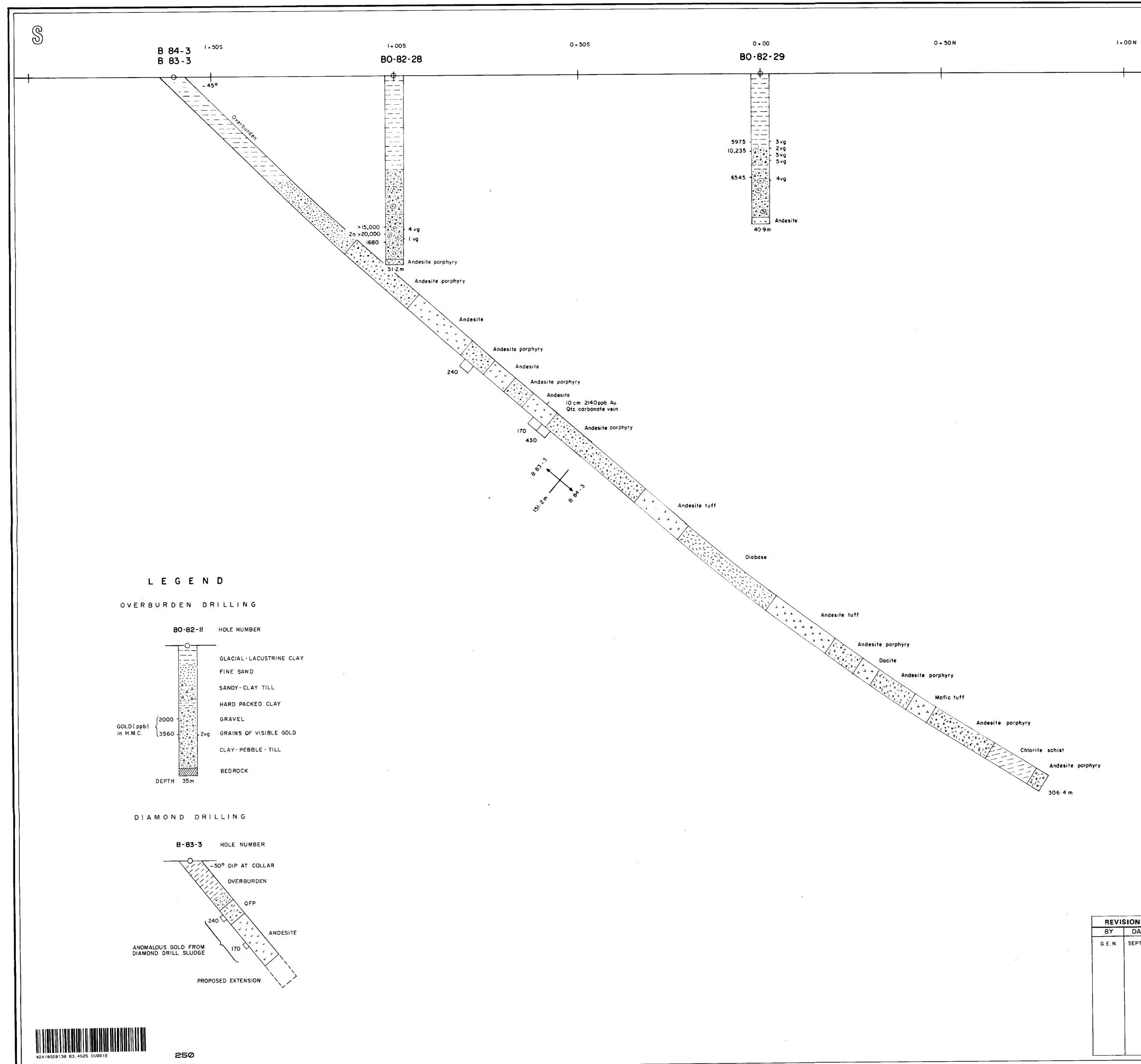




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ON 83 - 5 - C-317 ,

	A Resources Limited				
BOND PROJECT					
DRILL SECTION DRIFTWOOD GRID - LINE 480 W HOLE B 83-3/B 84-3					
Work by G.E.N., D.J.R.					

