

CARPENTARIA EXPLORATION COMPANY PTY. LTD.

MINING TENEMENT

PROGRESS REPORT

EXPLORATION LICENCE NO. 598

'BARNEY HILL'

N. T.

ANNUAL REPORT FOR YEAR ENDED 20TH SEPTEMBER 1974

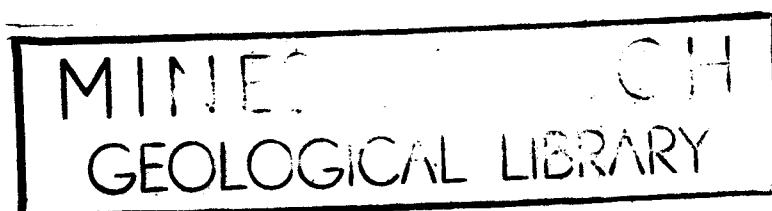


VOLUME: 6

DATE: 5th December 1974

COPY: N. T. MINES

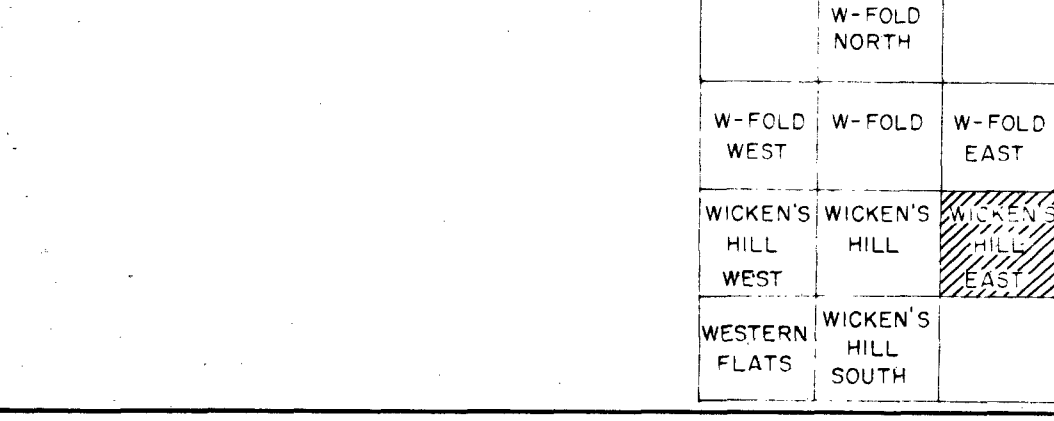
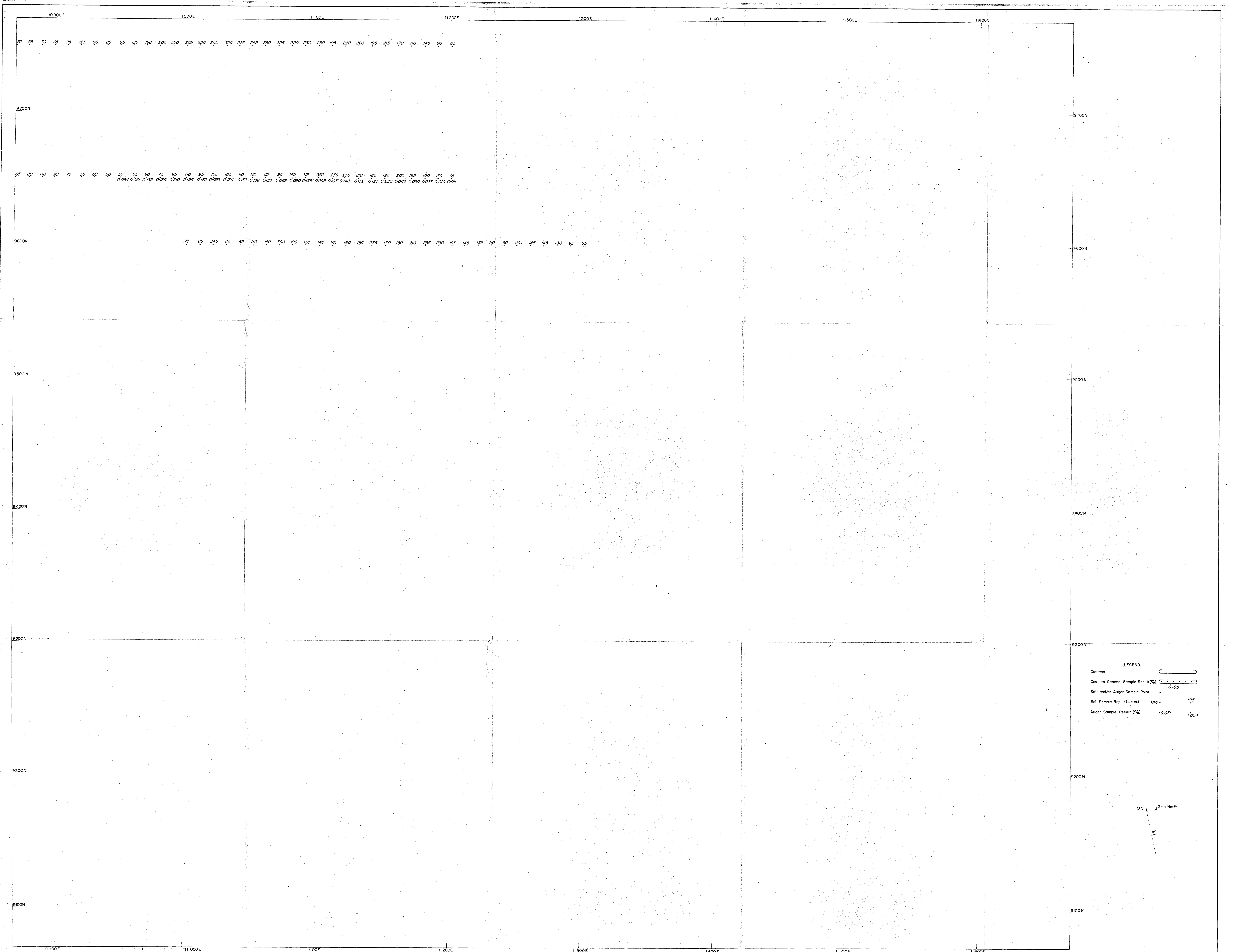
CR 75/1F



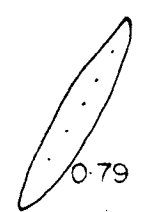
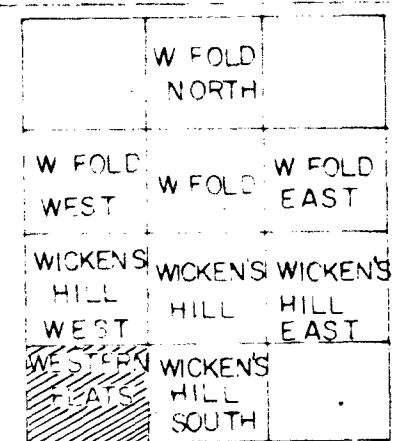
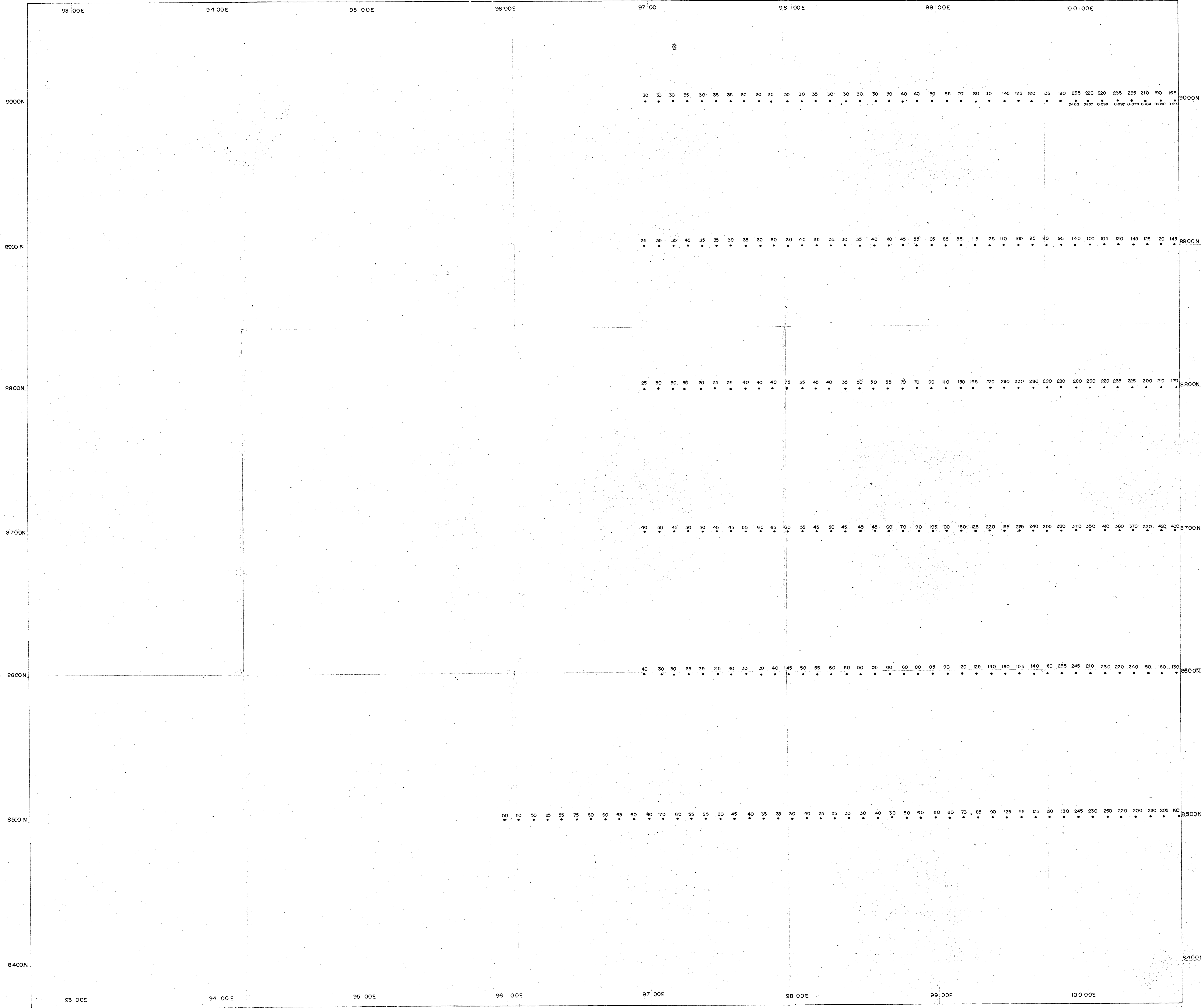
VOLUME 6
LIST OF PLANS

(Note: Plans have been arranged in Drawing Number Order)

12386	W-Fold Project - Geochemical Sample Results - Lead - Wickens Hill East
12387	W-Fold Project - Geochemical Sample Results - Lead - Western Flats
12388	W-Fold Project - Geochemical Sample Results - Lead - Wickens Hill South
12389	W-Fold Project - W-Fold Cross Section looking through 10 200E
12390	W-Fold Project - W-Fold Cross Section looking through 10 300E
12391	W-Fold Project - W-Fold Cross Section looking through 10 400E
12392	W-Fold Project - W-Fold Cross Section looking through 10 600E
12393	W-Fold Project - W-Fold Cross Section looking through 10 700E
12394	W-Fold Project - W-Fold Cross Section looking through 10 800E
12395	W-Fold Project - Wickens Hill Cross Section looking west through 9600E
12396	W-Fold Project - Wickens Hill Cross Section looking west through 9700E
12397	W-Fold Project - Wickens Hill Cross Section looking west through 9800E
12398	W-Fold Project - Wickens Hill Cross Section looking west through 9900E
12399	W-Fold Project - Wickens Hill Cross Section looking west through 10 000E
12400	W-Fold Project - Wickens Hill Cross Section looking west through 10 050 E
12416	Emu No.5DD Lithological Column and zinc, lead histogram
12417	Emu No.4DD Lithological Column and zinc histogram



REVISION		SCALE 1:1000	CARPENTARIA EXPLORATION COMPANY PTY LTD	
1		1:1000	W-FOLD PROJECT	
2		1:1000	GEOCHEMICAL SAMPLE RESULTS	
3		1:1000	LEAD	
4		1:1000	WICKEN'S HILL EAST	
5		1:1000	MINING FIELD OR DISTRICT MCARTHUR	
6		1:1000	DRG NO 12386	

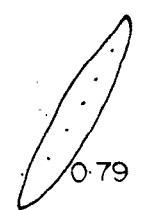
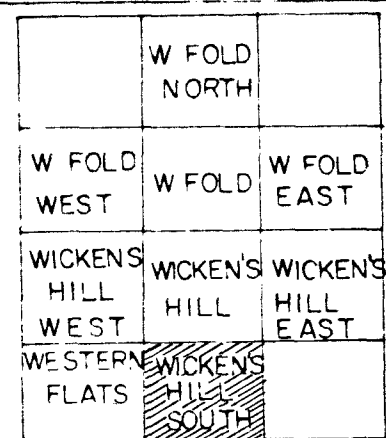
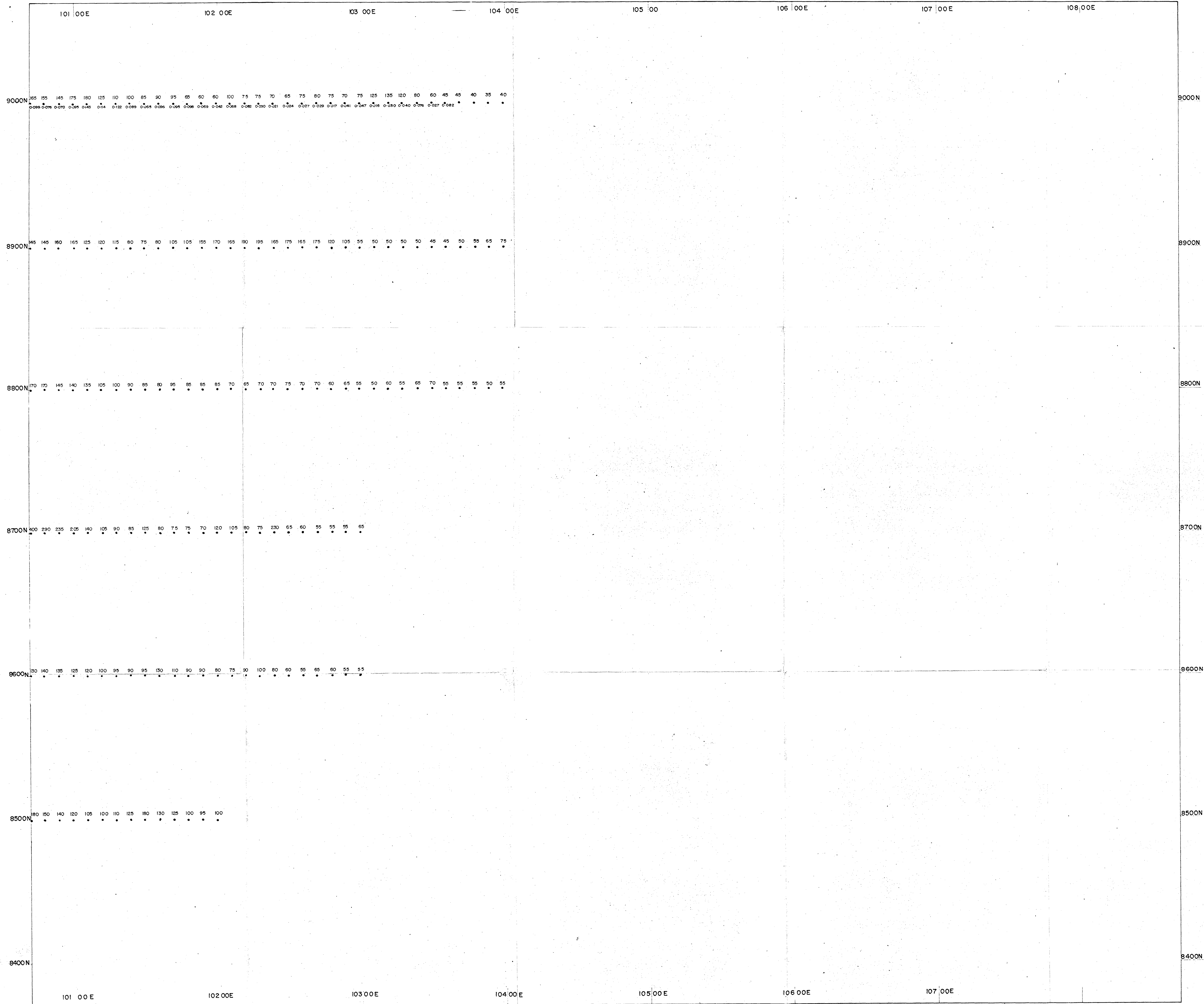


Costean, channel sampled, showing sample interval and assay value (in percent).

85.0-85 Sample point (soil and/or auger) showing assay value soil sample in ppm assay value auger sample in percent

REVISION	Scale: 1:1000	CARPENTARIA EXPLORATION COMPANY PTY LTD
	Geo:	
	Drawn: L. L.	
	Checked:	
	Date: AUGUST 1974	
	Metallized:	
	Roll No:	
	MINING FIELD or District: MCARTHUR RIVER	Dwg No: 12387

W-FOLD PROJECT
WESTERN FLATS
GEOCHEMICAL SAMPLE RESULTS
LEAD



Costean, channel sampled, showing sample interval and assay value (in percent).

85.0-85 Sample point (soil and/or auger) showing assay value (in percent) and assay value (in percent).

REVISION	Scale: 1:1000	CARPENTARIA EXPLORATION COMPANY PTY LTD
	Geo:	
	Drawn: L. L.	
	Checked:	
	Date: AUGUST 1974	
	Modified:	
	Ref No:	
	MINING FIELD or District: MCARTHUR RIVER	Dwg No: 12388

W-FOLD PROJECT
WICKEN'S HILL SOUTH
GEOCHEMICAL SAMPLE RESULTS
LEAD



LEGEND

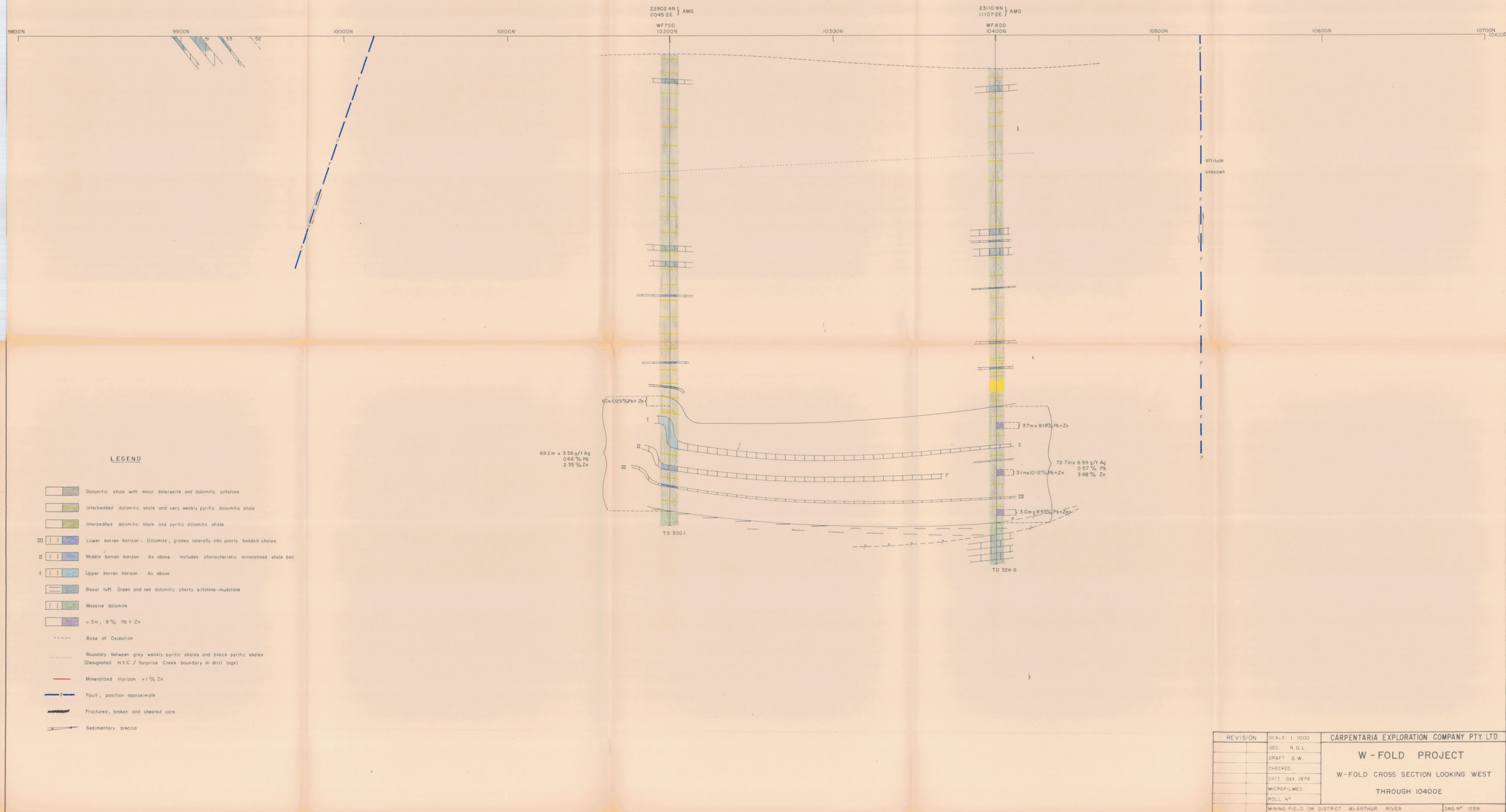
- Dolomitic shale with minor dolarenite and dolomitic siltstone
- Interbedded dolomitic shale and very weakly pyritic dolomitic shale
- Interbedded dolomitic shale and pyritic dolomitic shale
- Lower barren horizon - Dolomite, grades laterally into poorly bedded shales
- Middle barren horizon - As above. Includes characteristic mineralised shale bed
- Upper barren horizon - As above
- Basal tuff. Green and red dolomitic cherty siltstone-mudstone
- Massive dolomite
- > 3m, 8% Pb + Zn
- Base of Oxidation
- Boundary between grey weakly pyritic shales and black pyritic shales (Designated H.Y.C. / Surprise Creek boundary in drill logs)
- Mineralized Horizon >1% Zn
- Fault, position approximate
- Fractured, broken and sheared core
- Sedimentary breccia

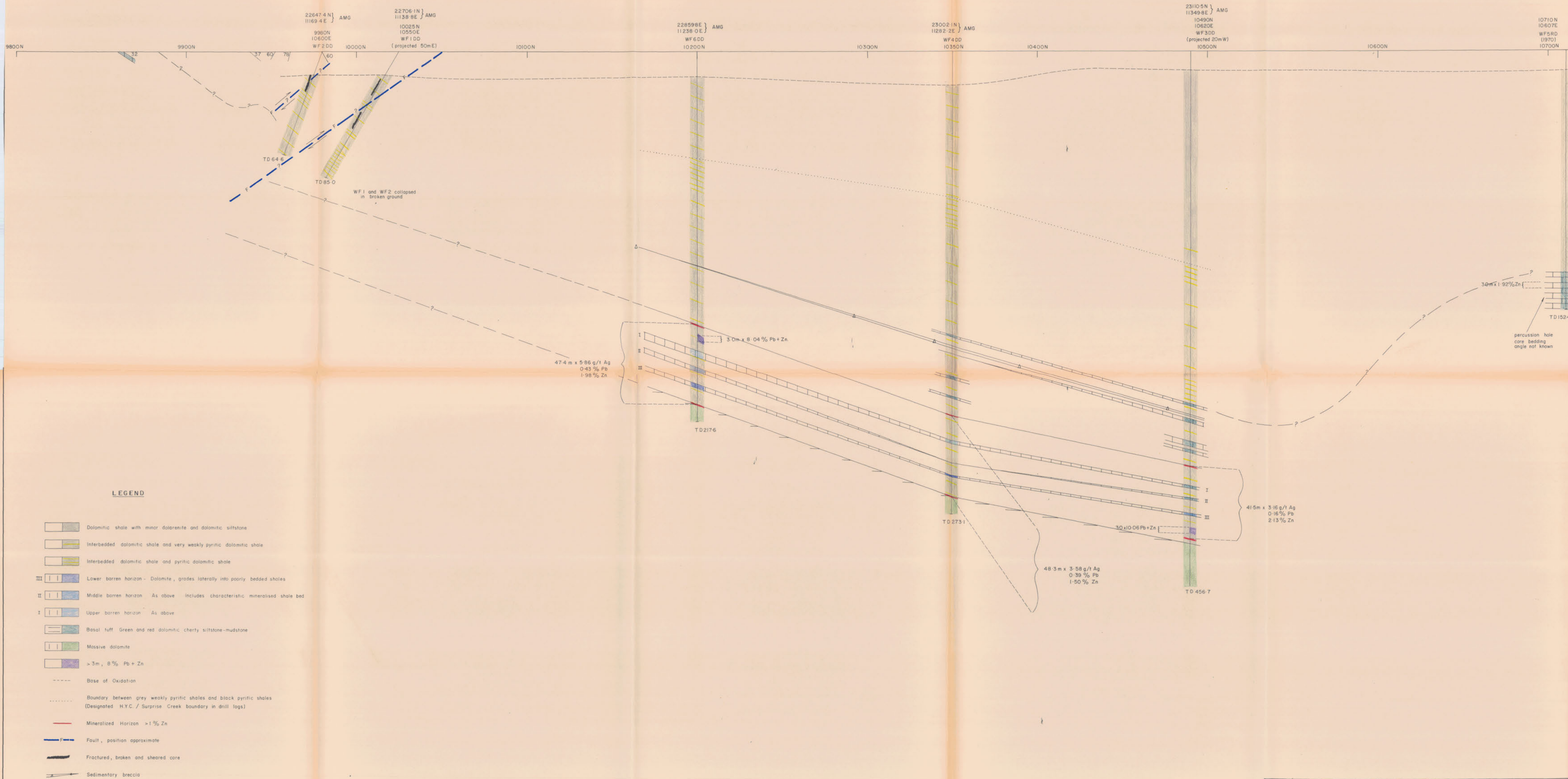
57.6m x 5.35g/t Ag
0.53% Pb
2.03% Zn

4.8m x 11.45% Pb + Zn

T.D. 283-2

REVISION	SCALE 1:1000	CARPENTARIA EXPLORATION COMPANY PTY. LTD.
	GEO. R.G.L.	W-FOLD PROJECT W-FOLD CROSS SECTION LOOKING WEST THROUGH 10300E
	DRAFT S.W.	
	CHECKED	
	DATE Oct. 1974	
	MICROFILMED	
	ROLL N°	
MINING FIELD OR DISTRICT McARTHUR RIVER		DRG N° 12390





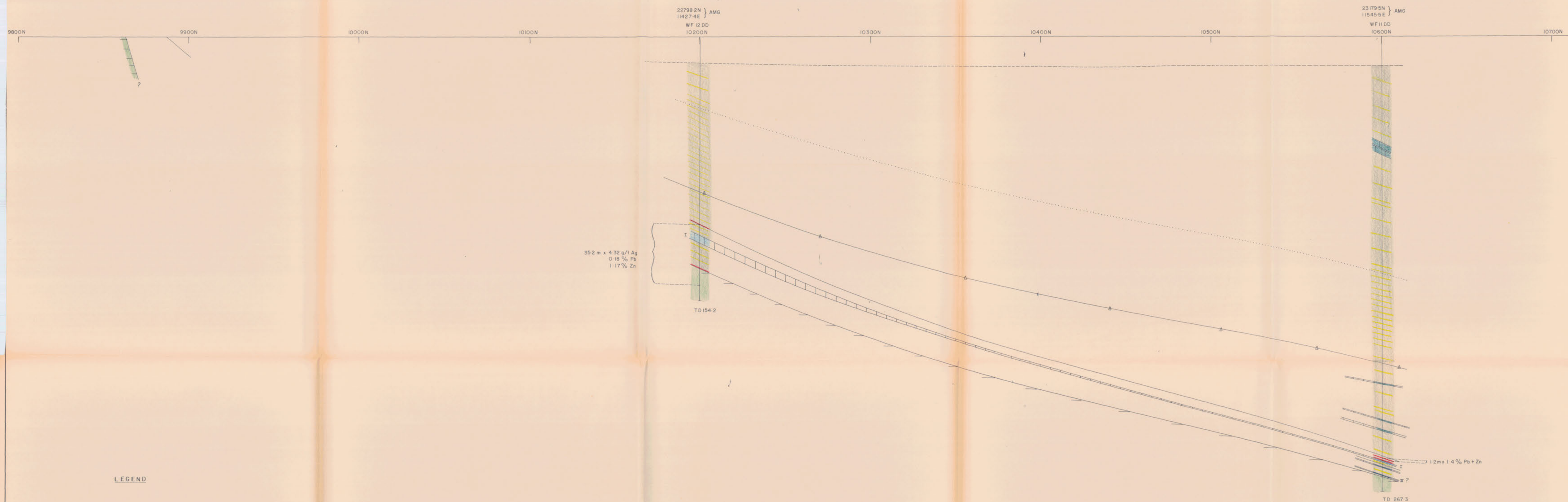
REVISION	SCALE 1:1000	CARPENTARIA EXPLORATION COMPANY PTY. LTD.
	GEO R.G.L.	W - FOLD PROJECT W - FOLD CROSS SECTION LOOKING WEST THROUGH 10600E
	DRAFT S.W.	
	CHECKED	
	DATE Oct 1974	
	MICROFILMED	
	ROLL N°	
MINING FIELD OR DISTRICT McARTHUR RIVER		DRG N° 12392



LEGEND

- Dolomitic shale with minor dolarenite and dolomitic siltstone
- Interbedded dolomitic shale and very weakly pyritic dolomitic shale
- Interbedded dolomitic shale and pyritic dolomitic shale
- III Lower barren horizon - Dolomite, grades laterally into poorly bedded shales
- II Middle barren horizon As above Includes characteristic mineralised shale bed
- I Upper barren horizon As above
- Basal tuff Green and red dolomitic cherty siltstone-mudstone
- Massive dolomite
- > 3m, 8% Pb + Zn
- Base of Oxidation
- Boundary between grey weakly pyritic shales and black pyritic shales (Designated H.Y.C. / Surprise Creek boundary in drill logs)
- Mineralized Horizon > 1% Zn
- Fault, position approximate
- Fractured, broken and sheared core
- Sedimentary breccia

REVISION	SCALE 1:1000	CARPENTARIA EXPLORATION COMPANY PTY. LTD.
	GED R.G.L.	W-FOLD PROJECT W-FOLD CROSS SECTION LOOKING WEST THROUGH 10700E
	DRAFT S.W.	
	CHECKED	
	DATE Oct. 1974	
	MICROFILMED	
	ROLL N°	
MINING FIELD OR DISTRICT McARTHUR RIVER		DRG. N° 12393

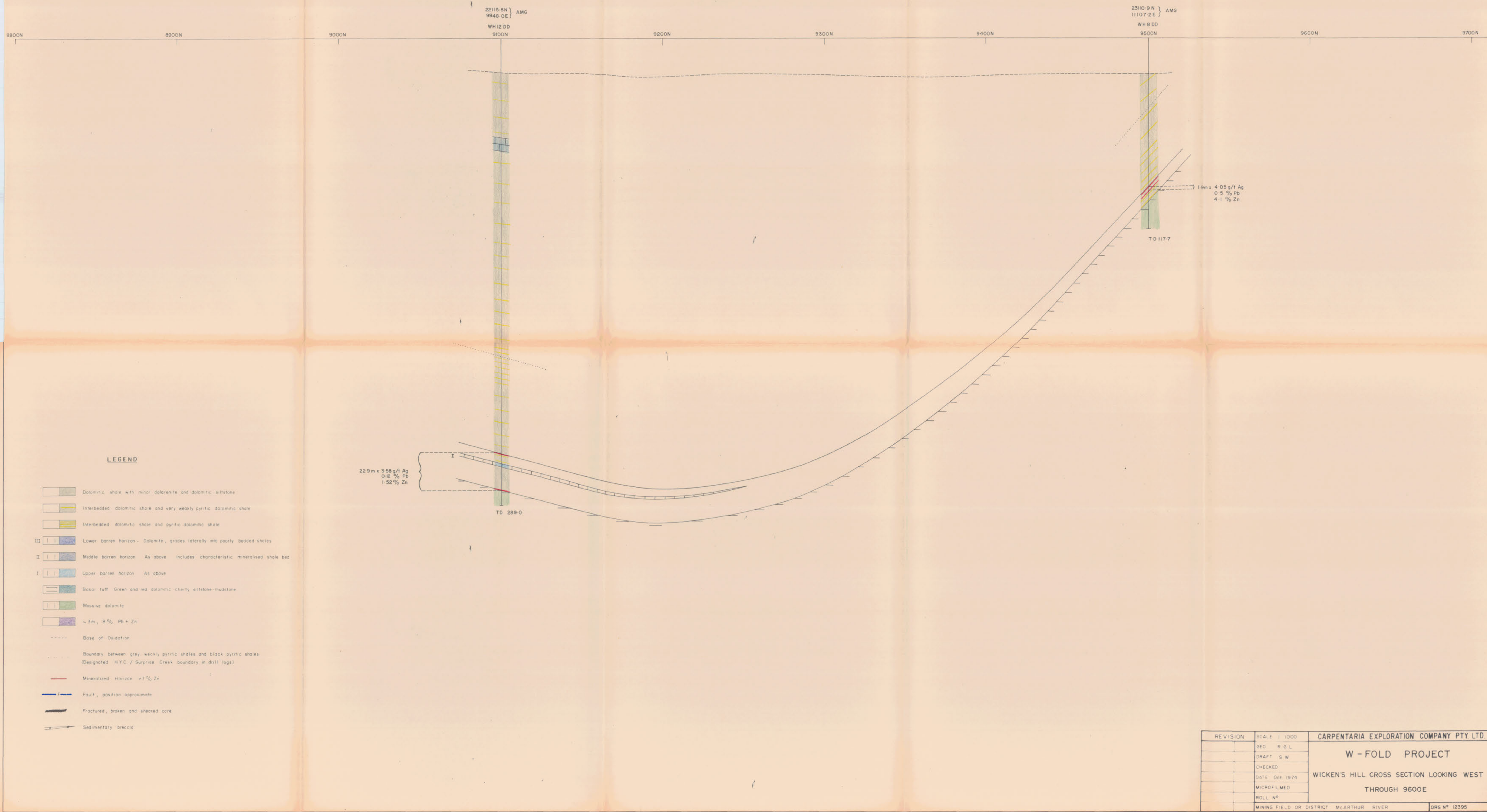


LEGEND

- Dolomitic shale with minor dolarenite and dolomitic siltstone
- Interbedded dolomitic shale and very weakly pyritic dolomitic shale
- Interbedded dolomitic shale and pyritic dolomitic shale
- III Lower barren horizon - Dolomite, grades laterally into poorly bedded shales
- II Middle barren horizon As above Includes characteristic mineralised shale bed
- I Upper barren horizon As above
- Basal tuff Green and red dolomitic cherty siltstone-mudstone
- Massive dolomite
- > 3m, 8 % Pb + Zn
- Base of Oxidation
- Boundary between grey weakly pyritic shales and black pyritic shales (Designated H.Y.C. / Surprise Creek boundary in drill logs)
- Mineralized Horizon >1 % Zn
- Fault, position approximate
- Fractured, broken and sheared core
- Sedimentary breccia

REVISION	SCALE 1:1000	CARPENTARIA EXPLORATION COMPANY PTY. LTD.
	GEO. R.G.L.	
	DRAFT S.W.	
	CHECKED	
	DATE Oct. 1974	
	MICROFILMED	
	ROLL N°	
	MINING FIELD OR DISTRICT	McARTHUR RIVER
		DRG N° 12394

W-FOLD PROJECT
W-FOLD CROSS SECTION LOOKING WEST
THROUGH 10800E



REVISION	SCALE 1:1000	CARPENTARIA EXPLORATION COMPANY PTY. LTD.
	GEO. R.G.L.	W - FOLD PROJECT WICKEN'S HILL CROSS SECTION LOOKING WEST THROUGH 9600E
	DRAFT S.W.	
	CHECKED	
	DATE Oct. 1974	
	MICROFILMED	
	ROLL N°	
MINING FIELD OR DISTRICT McARTHUR RIVER		ORG N° 12395



22180.6N } AMG
10073.8E }
WH10DD
9200N

22371.3N } AMG
10134.8E }
WH13DD
9400N

LEGEND

- Dolomitic shale with minor dolarenite and dolomitic siltstone
- Interbedded dolomitic shale and very weakly pyritic dolomitic shale
- Interbedded dolomitic shale and pyritic dolomitic shale
- III Lower barren horizon - Dolomite, grades laterally into poorly bedded shales
- II Middle barren horizon - As above Includes characteristic mineralised shale bed
- I Upper barren horizon - As above
- Basal tuff Green and red dolomitic cherty siltstone-mudstone
- Massive dolomite
- > 3m, 8% Pb + Zn
- Base of Oxidation
- Boundary between grey weakly pyritic shales and black pyritic shales (Designated: H.Y.C. / Surprise Creek boundary in drill logs)
- Mineralized Horizon > 1% Zn
- Fault, position approximate
- Fractured, broken and sheared core
- Sedimentary breccia

36.2m x 4.39 g/t Ag
0.20 % Pb
2.22 % Zn

TD 287.1

5.1 x 10.33 % Pb + Zn

TD 237.3

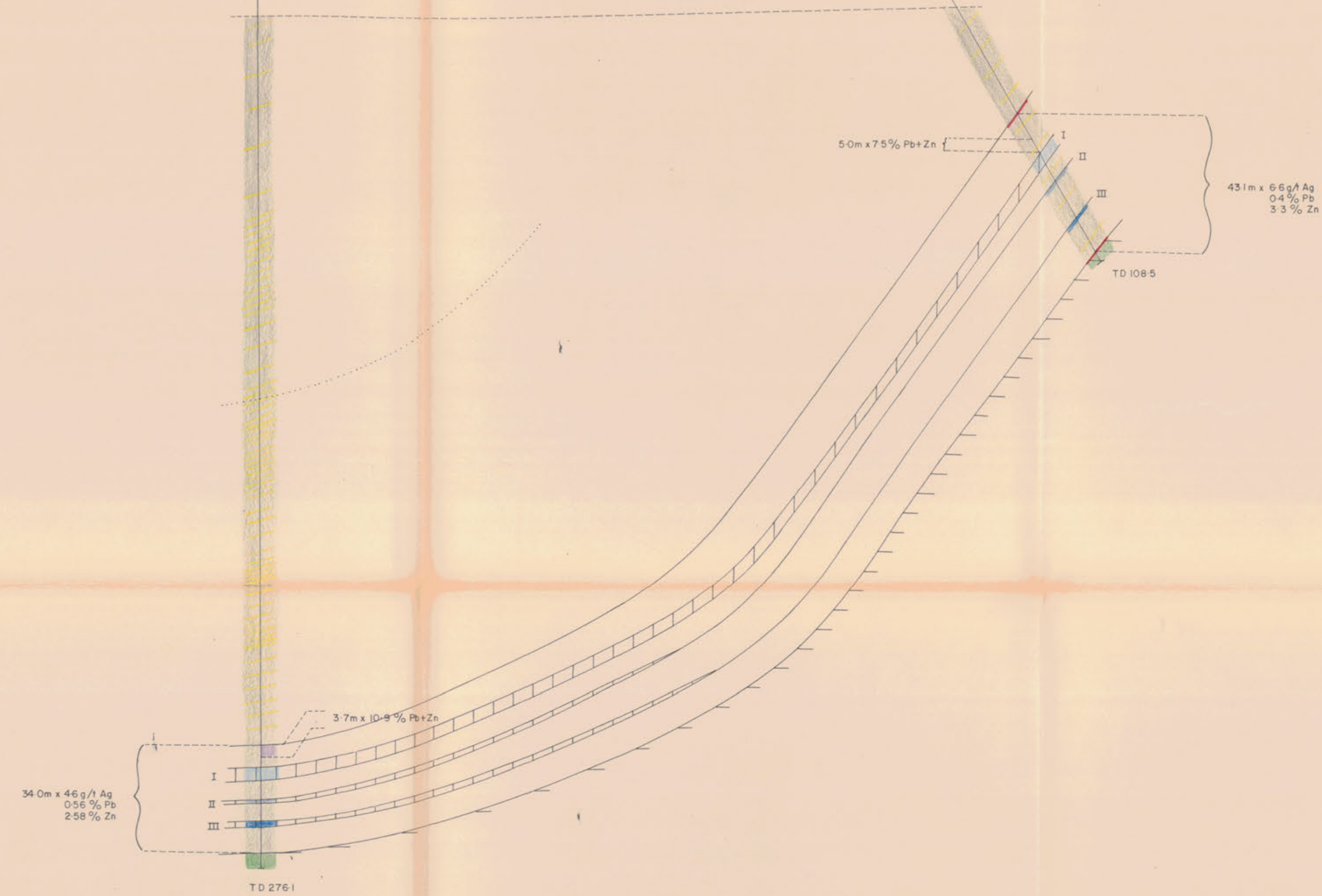
44.9m x 4.27 g/t Ag
0.53 % Pb
2.28 % Zn

REVISION	SCALE 1:1000	CARPENTARIA EXPLORATION COMPANY PTY LTD
	GEO R.G.L.	
	DRAFT S.W.	
	CHECKED	
	DATE Oct 1974	
	MICROFILMED	
	ROLL N°	
	MINING FIELD OR DISTRICT	McARTHUR RIVER
		DRG N° 12396

8800N 8900N 9000N 9100N 9200N 9300N 9400N 9500N 9600N 9700N

222455N } AMG
10199.6E }
WH 9DD
9300N

22436.1N } AMG
10260.7E }
WH 6DD
9500N

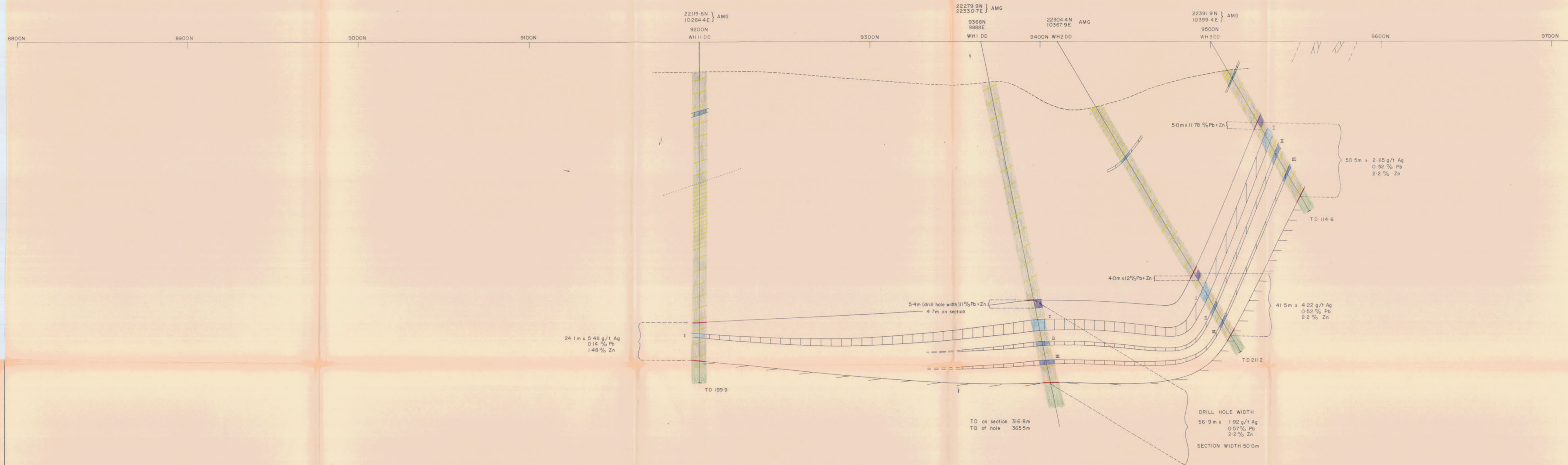


LEGEND

- Dolomitic shale with minor dolarenite and dolomitic siltstone
- Interbedded dolomitic shale and very weakly pyritic dolomitic shale
- Interbedded dolomitic shale and pyritic dolomitic shale
- III Lower barren horizon - Dolomite, grades laterally into poorly bedded shales
- II Middle barren horizon - As above includes characteristic mineralised shale bed
- I Upper barren horizon - As above
- Basal tuff Green and red dolomitic cherty siltstone-mudstone
- Massive dolomite
- > 3m, 8% Pb + Zn
- Base of Oxidation
- Boundary between grey weakly pyritic shales and black pyritic shales (Designated H.Y.C. / Surprise Creek boundary in drill logs)
- Mineralized Horizon > 1% Zn
- Fault, position approximate
- Fractured, broken and sheared core
- Sedimentary breccia

REVISION	SCALE 1:1000	CARPENTARIA EXPLORATION COMPANY PTY. LTD.
	GEO. R.G.L.	
	DRAFT S.W.	
	CHECKED	
	DATE Oct. 1974	
	MICROFILMED	
	ROLL N°	
	MINING FIELD OR DISTRICT McARTHUR RIVER	
		DRG N° 12397

W-FOLD PROJECT
WICKEN'S HILL CROSS SECTION LOOKING WEST
THROUGH 9800E

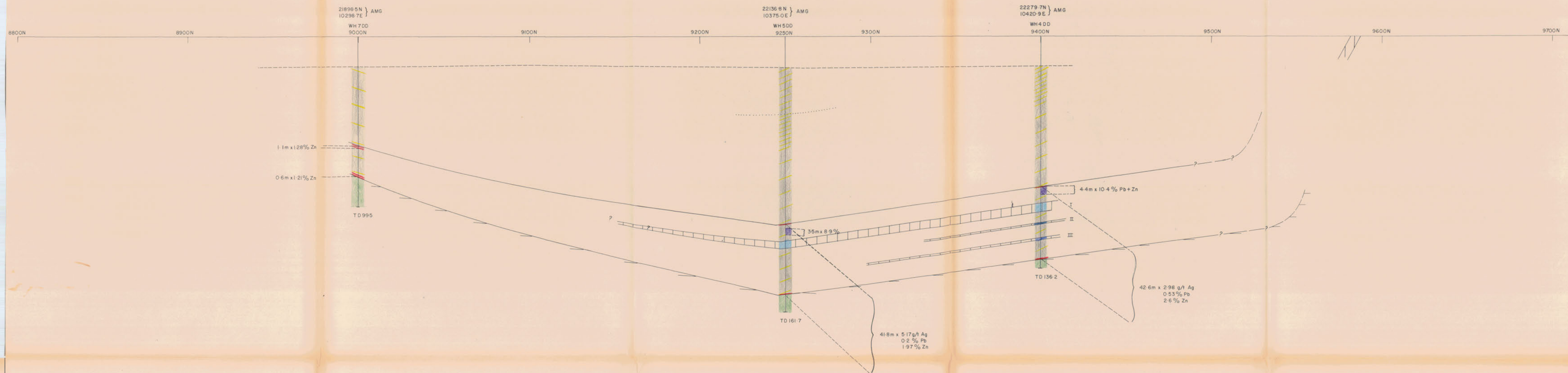


N.B. WH1 DD was drilled at 18° to the plane of the section

LEGEND

- Dolomitic shale with minor dolarenite and dolomitic siltstone
- Interbedded dolomitic shale and very weakly pyritic dolomitic shale
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- Basal tuff - Green and red dolomitic cherty siltstone-mudstone
- Massive dolomite
- > 3m, 8 % Pb + Zn
- Base of Oxidation
- Boundary between grey weakly pyritic shales and black pyritic shales (Designated H.Y.C. / Surprise Creek boundary in drill logs)
- Mineralized Horizon > 1 % Zn
- Fault, position approximate
- Fractured, broken and sheared core
- Sedimentary breccia

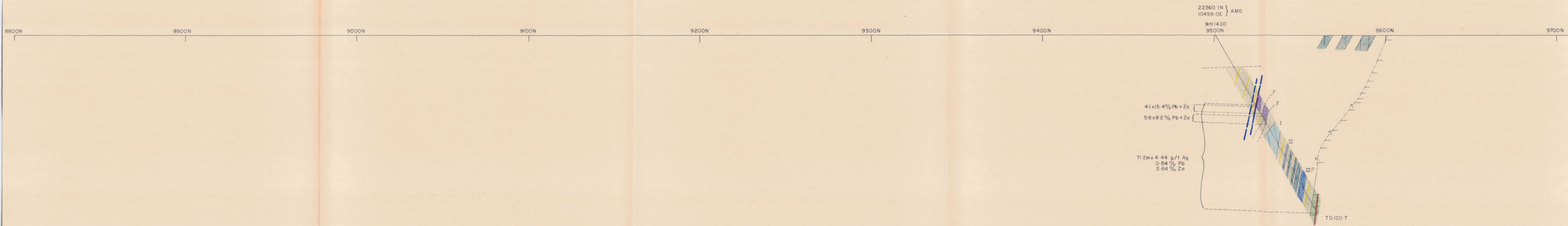
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	DRAFT S.W.	
	CHECKED	
	DATE Oct 1974	
	MICROFILMED	
	ROLL N°	
	MINING FIELD OR DISTRICT	McARTHUR RIVER
		DRG N° 12398



LEGEND

- Dolomitic shale with minor dolarenite and dolomitic siltstone
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- I Upper barren horizon As above
- Basal tuff Green and red dolomitic cherty siltstone-mudstone
- Massive dolomite
- > 3m, 8% Pb+Zn
- Base of Oxidation
- Boundary between grey weakly pyritic shales and black pyritic shales (Designated NYC / Surprise Creek boundary in drill logs)
- Mineralized Horizon >1% Zn
- Fault, position approximate
- Fractured, broken and sheared core
- Sedimentary breccia

REVISION	SCALE 1:1000	CARPENTARIA EXPLORATION COMPANY PTY LTD
	GEO RGL	W-FOLD PROJECT WICKEN'S HILL CROSS SECTION LOOKING WEST THROUGH 10,000E
	DRAFT SW	
	CHECKED	
	DATE Oct 1974	
	MICROFILMED	
	ROLL N°	
MINING FIELD OR DISTRICT McARTHUR RIVER		DRG N° 12399



LEGEND

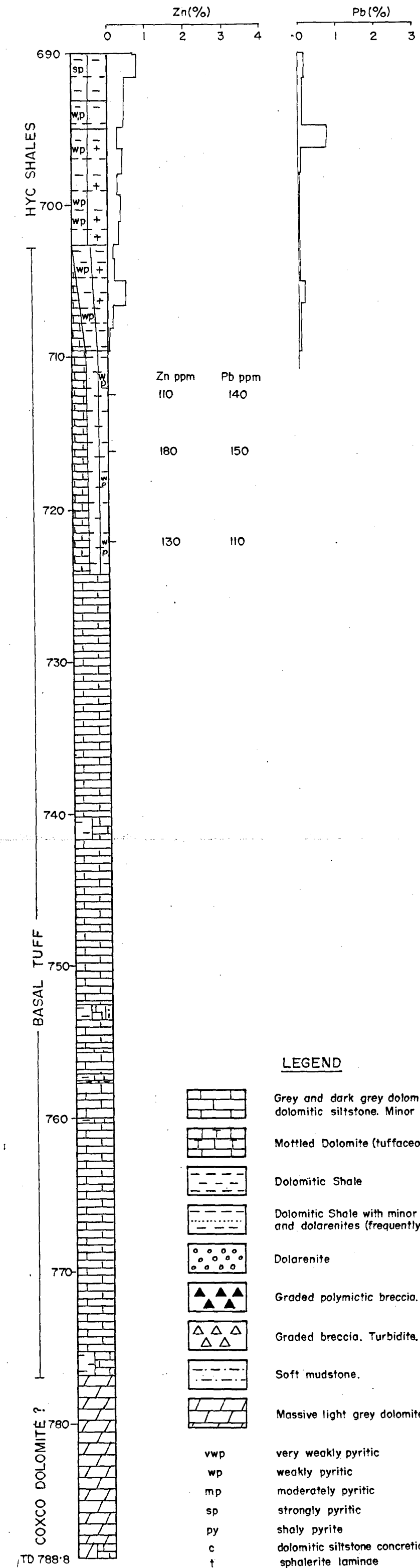
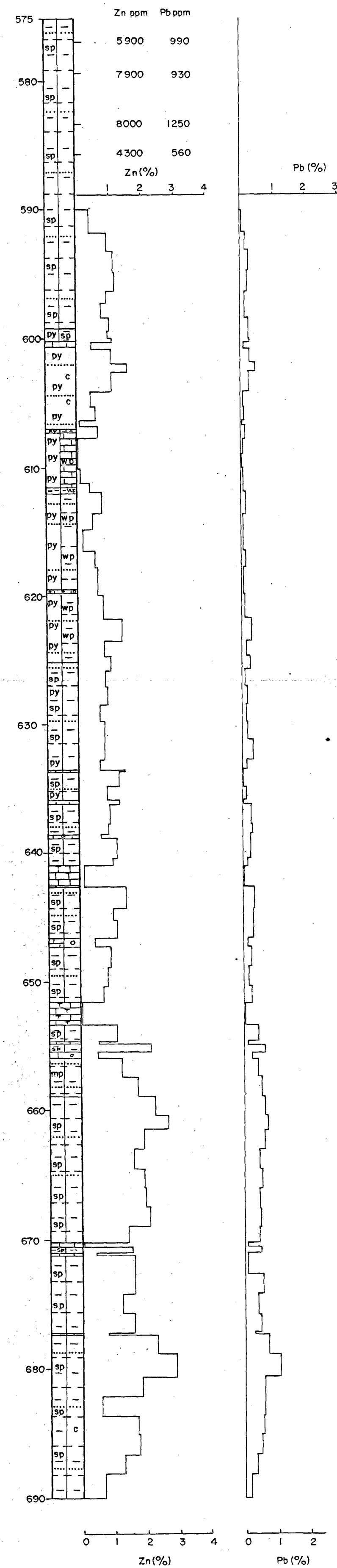
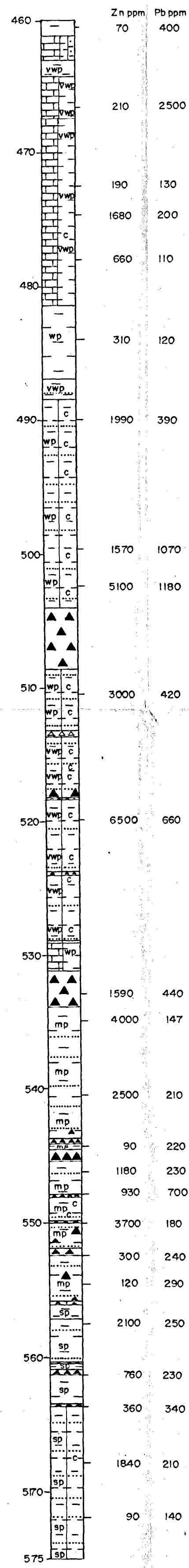
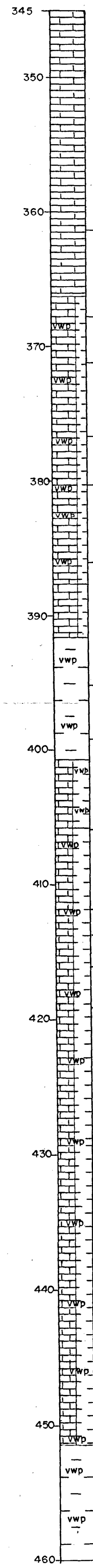
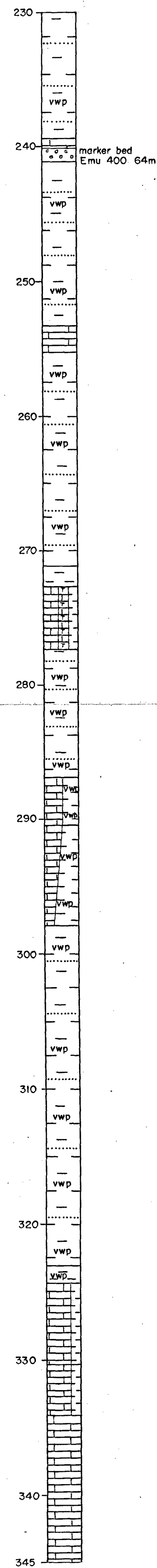
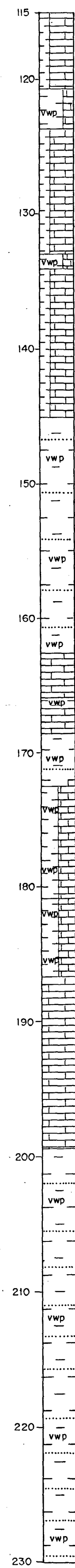
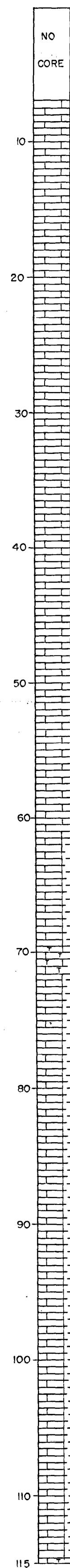
- Dolomitic shale with minor dolarenite and dolomitic siltstone
- Interbedded dolomitic shale and very weakly pyritic dolomitic shale
- Interbedded dolomitic shale and pyritic dolomitic shale
- Lower barren horizon - Dolomite, grades laterally into poorly bedded shales
- Middle barren horizon As above Includes characteristic mineralised shale bed
- Upper barren horizon As above
- Basal tuff Green and red dolomitic cherty siltstone-mudstone
- Massive dolomite
- 3m, 8% Pb + Zn
- Base of Oxidation
- Boundary between grey weakly pyritic shales and black pyritic shales (Designated H.Y.C. / Surprise Creek boundary in drill logs)
- Mineralized Horizon >1% Zn
- Fault, position approximate
- Fractured, broken and sheared core
- Sedimentary breccia

REVISION	SCALE 1:1000	CARPENTARIA EXPLORATION COMPANY PTY. LTD.
	GEO R.G.L.	
	DRAFT S.W.	
	CHECKED	
	DATE Oct. 1974	
	MICROFILMED	
	ROLL N°	
	MINING FIELD OR DISTRICT McARTHUR RIVER	
	DRG N° 12400	

W - FOLD PROJECT

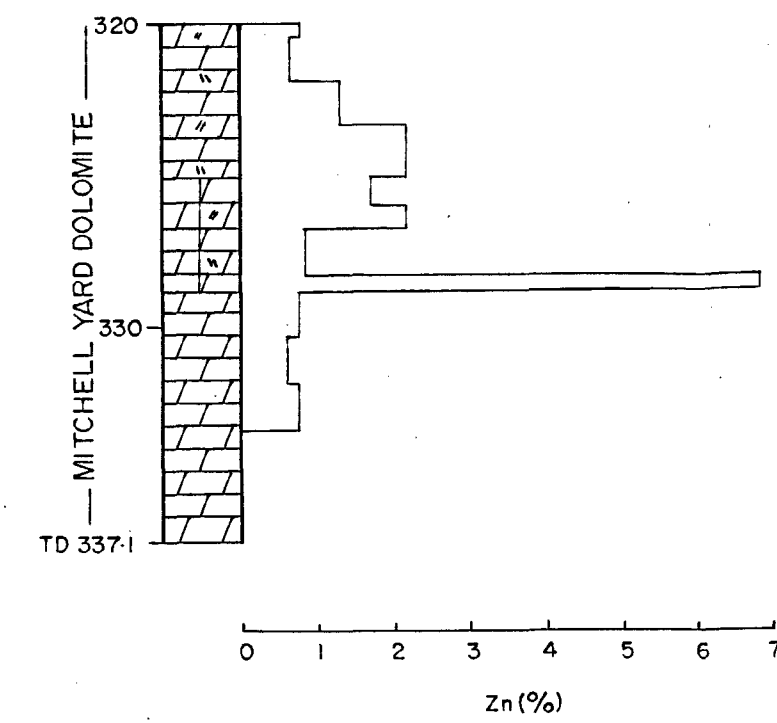
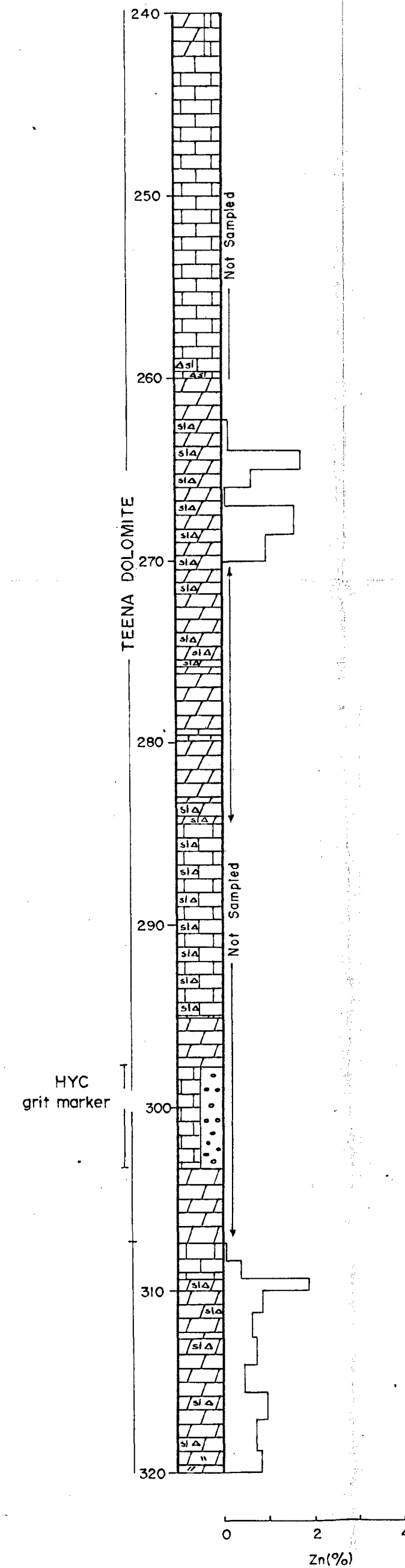
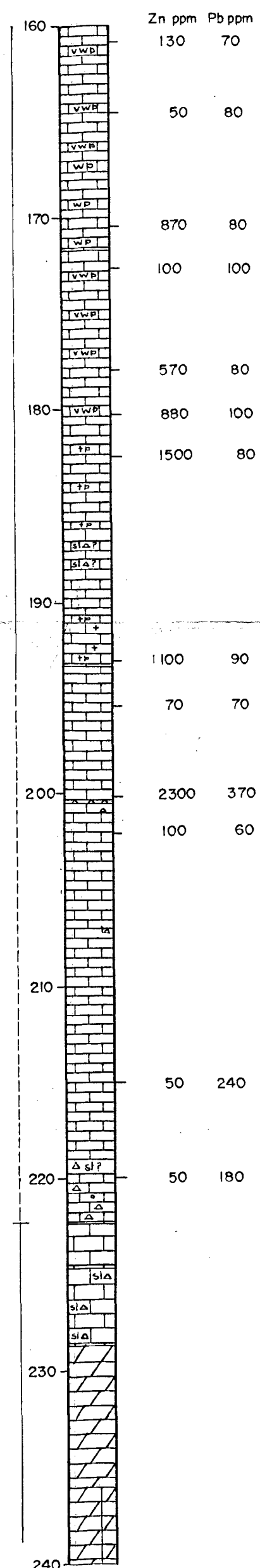
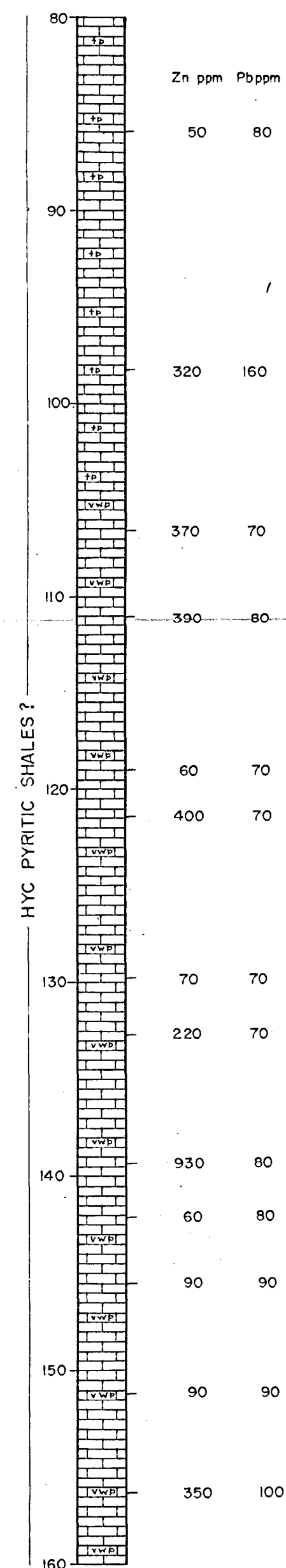
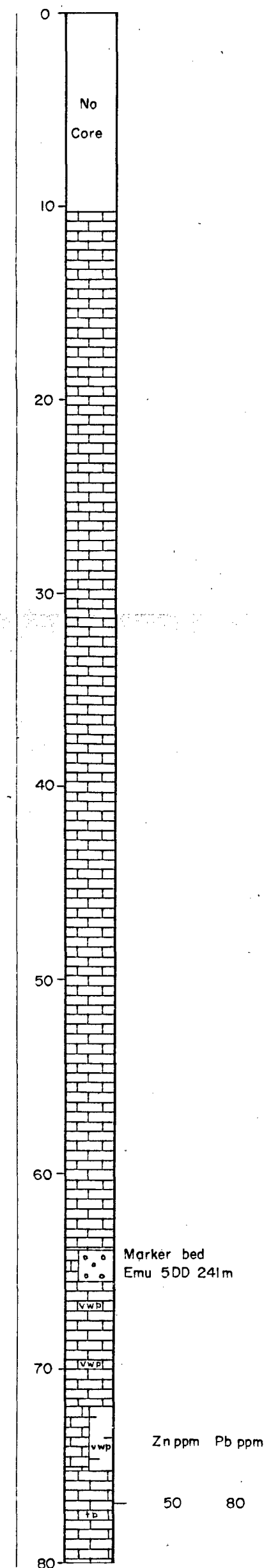
WICKEN'S HILL CROSS SECTION LOOKING WEST

THROUGH 10050E



- LEGEND**
- Gray and dark grey dolomite, shaly dolomite and dolomitic siltstone. Minor pyrite laminae.
 - Mottled Dolomite (tuffaceous)
 - Dolomitic Shale
 - Dolomitic Shale with minor thin dolomitic siltstones and dolarenites (frequently graded)
 - Dolarenite
 - Graded polymictic breccia. Turbidite
 - Graded breccia. Turbidite.
 - Soft mudstone.
 - Massive light grey dolomite.
- vwp very weakly pyritic
wp weakly pyritic
mp moderately pyritic
sp strongly pyritic
py shaly pyrite
c dolomitic siltstone concretions
t spherulite laminae

REVISION	SCALE 1:250	CARPENTARIA EXPLORATION COMPANY PTY. LTD.
	GEO. R.G.L.	McARTHUR RIVER (NORTHERN TERRITORY) LITHOLOGICAL COLUMN AND ZINC, LEAD HISTOGRAMS EMU 5DD
	DRAFT SvdV	
	CHECKED	
	DATE NOV. 1974	
	MICROFILMED	
	ROLL N°	
	MINING FIELD OR DISTRICT	DRG N° 12416



- LEGEND
- Gray dolomite, shaly dolomite, dolomitic siltstone, pyrite laminae
 - Dolarenite
 - Sedimentary breccia - Turbidite
 - Laminated to medium bedded light grey dolomite
 - Massive light grey dolomite
 - tp trace pyrite
 - vwp very weakly pyritic
 - wp weakly pyritic
 - sl Δ slump breccia
 - recrystallisation
 - + sphalerite laminae

REVISION	SCALE 1:250	CARPENTARIA EXPLORATION COMPANY PTY. LTD.
	GEO: R.G.L.	
	DRAFT SvdV	
	CHECKED	
	DATE: NOV. 1974	
	MICROFILMED	
	ROLL N°	
	MINING FIELD OR DISTRICT	

McARTHUR RIVER
LITHOLOGICAL COLUMN AND ZINC HISTOGRAM
EMU 4DD
DRG N° 12.417