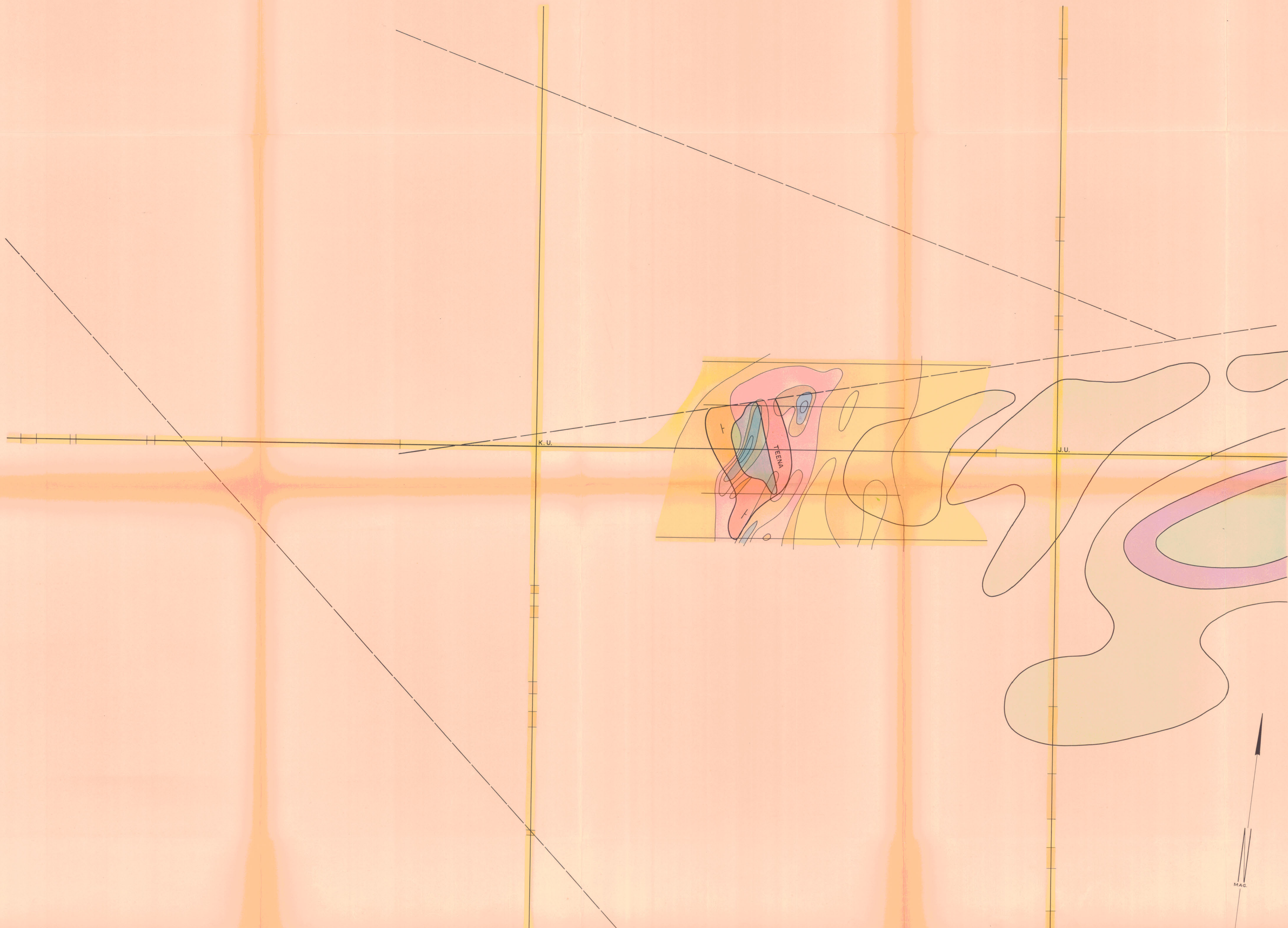




LEGEND

0-5 mv/v I.P. response	
5-10 " " "	
10-15 " " "	
15-20 " " "	
> 20 " " "	
Upper Lynott formation	
Lower " "	
Reward dolomite	
Surprise Creek dolomite	
H.Y.C. Pyritic shale	
Basal tuff beds	
Laminated dolomite	
Mitchell Yard dolomite	
Mara transitional series	
Mara dolomite	
Fault	

400' Electrode spacing

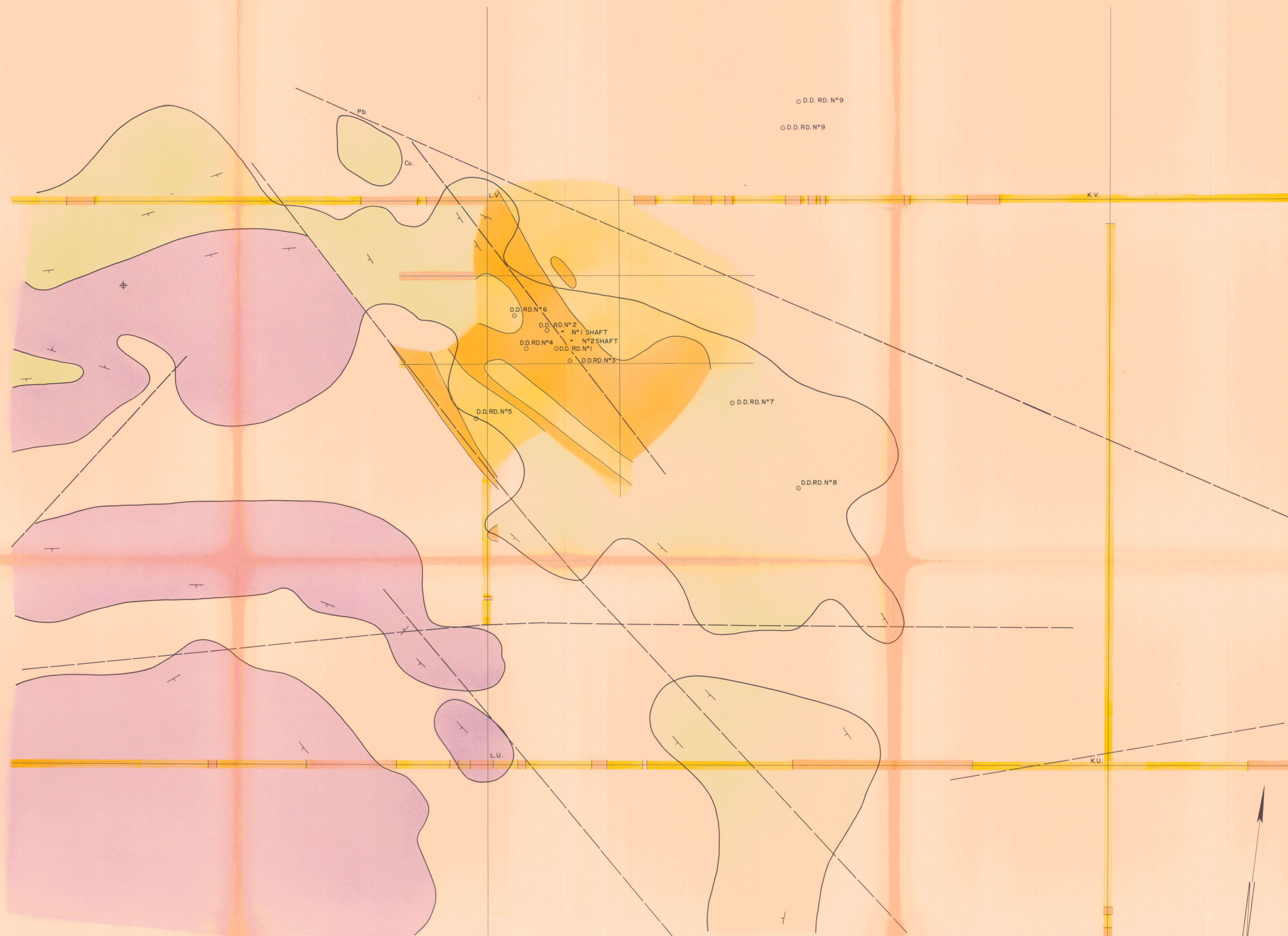
CARPENTARIA EXPLORATION COMPANY PTY. LTD.

MCARTHUR AREA

INDUCED POLARIZATION CONTOURS
TEENA AREA

SCALE: 1" = 400'	GEOPH: R.J.R.	DATE: FEB. 1967
CHECKED	DRAWN: D.E.K.	2639

CR 66/308



LEGEND

0-5 mv/v I.P. response	
5-10 " " "	
10-15 " " "	
15-20 " " "	
> 20 " " "	

Upper Lynott formation	
Lower " "	
Reward dolomite	
Surprise Creek dolomite	
H.Y.C. Pyritic shale	
Basal tuff beds	
Laminated dolomite	
Mitchell Yard dolomite	
Mara transitional series	
Mara dolomite	
Fault	

400' Electrode spacing

CARPENTARIA EXPLORATION COMPANY PTY. LTD.

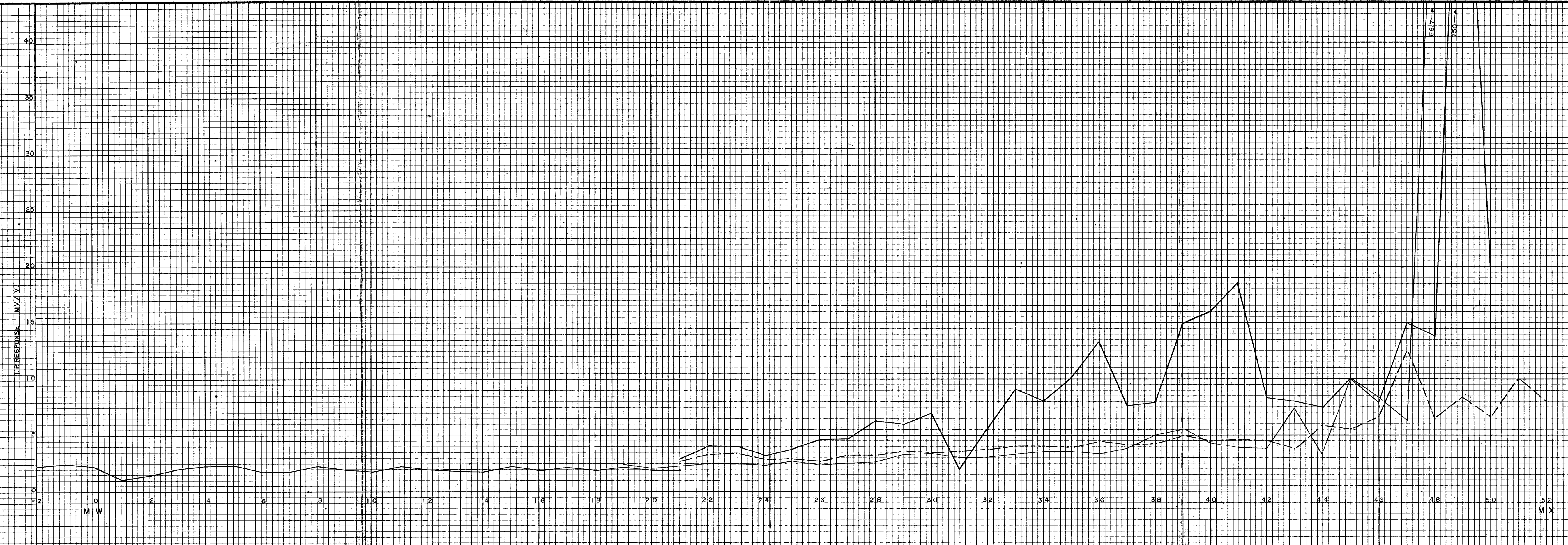
McARTHUR AREA

INDUCED POLARIZATION CONTOURS

REWARD AREA

SCALE: 1"=400'	GEOPH. R.J.R.	DATE: FEB 1967
CHECKED:	DRAWN: D.F.K.	2643

CR 44/508



ELECTRODE SPACING

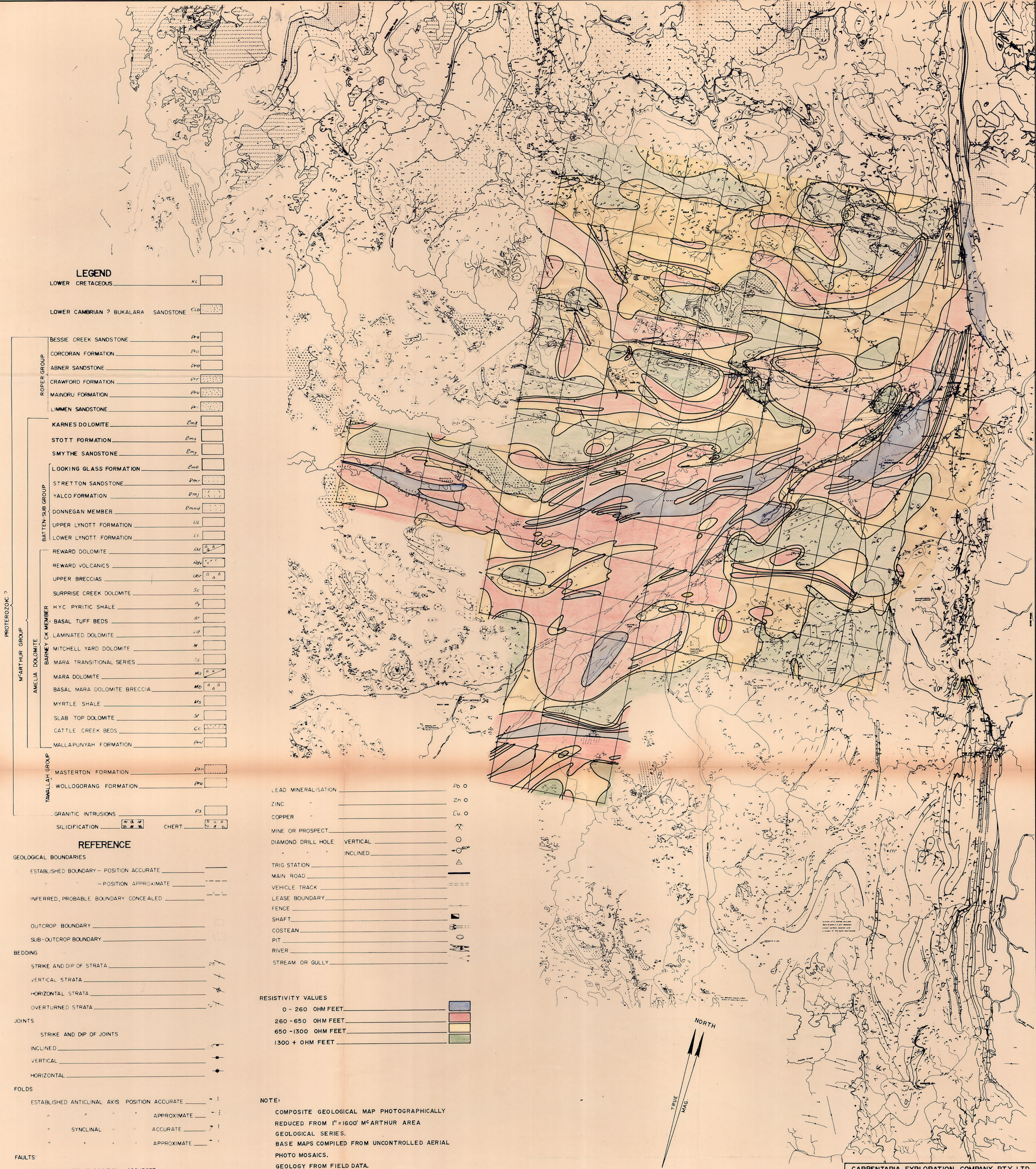
— 400 FT. (FIRST TRAVERSE)

- - - 400 FT. (REPEAT)

— 800 FT.

CR 66/508

CARPENTARIA EXPLORATION COMPANY PTY. LTD.		
M'ARTHUR AREA		
Northern Territory		
GEOPHYSICAL SURVEY 1966		
INDUCED POLARIZATION PROFILE		
LINE M.W.X.		
SCALE: 1" = 200'	GEOPH: R.J.R.	DATE: FEB. 1967
CHECKED:	DRAWN: G.A.A.	2646



LEGEND

LOWER CRETACEOUS

LOWER CAMBRIAN ? BUKALARA SANDSTONE

BESSIE CREEK SANDSTONE

CORCORAN FORMATION

ABNER SANDSTONE

CRAWFORD FORMATION

MAINORU FORMATION

LIMMEN SANDSTONE

KARNES DOLOMITE

STOTT FORMATION

SMYTHE SANDSTONE

LOOKING GLASS FORMATION

STRETTON SANDSTONE

YALCO FORMATION

DONNEGAN MEMBER

UPPER LYNOTT FORMATION

LOWER LYNOTT FORMATION

REWARD DOLOMITE

REWARD VOLCANICS

UPPER BRECCIAS

SURPRISE CREEK DOLOMITE

HYC PYRITIC SHALE

BASAL TUFF BEDS

LAMINATED DOLOMITE

MITCHELL YARD DOLOMITE

MARA TRANSITIONAL SERIES

MARA DOLOMITE

BASAL MARA DOLOMITE BRECCIA

MYRTLE SHALE

SLAB TOP DOLOMITE

CATTLE CREEK BEDS

MALLAPUNYAH FORMATION

MASTERTON FORMATION

WOLLOGORANG FORMATION

GRANITIC INTRUSIONS

SILICIFICATION

CHERT

REFERENCE

GEOLOGICAL BOUNDARIES

ESTABLISHED BOUNDARY - POSITION ACCURATE

- POSITION APPROXIMATE

INFERRED, PROBABLE BOUNDARY CONCEALED

OUTCROP BOUNDARY

SUB-OUTCROP BOUNDARY

BEDDING

STRIKE AND DIP OF STRATA

VERTICAL STRATA

HORIZONTAL STRATA

OVERTURNED STRATA

JOINTS

STRIKE AND DIP OF JOINTS

INCLINED

VERTICAL

HORIZONTAL

FOLDS

ESTABLISHED ANTICLINAL AXIS POSITION ACCURATE

APPROXIMATE

SYNCLINAL POSITION ACCURATE

APPROXIMATE

FAULTS

ESTABLISHED FAULT POSITION ACCURATE

APPROXIMATE

INFERRED

LEAD MINERALISATION

ZINC

COPPER

MINE OR PROSPECT

DIAMOND DRILL HOLE VERTICAL

INCLINED

TRIG STATION

MAIN ROAD

VEHICLE TRACK

LEASE BOUNDARY

FENCE

SHAFT

COSTEAN

PIT

RIVER

STREAM OR GULLY

RESISTIVITY VALUES

0 - 260 OHM FEET

260 - 650 OHM FEET

650 - 1300 OHM FEET

1300 + OHM FEET

NOTE:

COMPOSITE GEOLOGICAL MAP PHOTOGRAPHICALLY

REDUCED FROM 1"=1600' McARTHUR AREA

GEOLOGICAL SERIES.

BASE MAPS COMPILED FROM UNCONTROLLED AERIAL

PHOTO MOSAICS.

GEOLOGY FROM FIELD DATA.

NORTH

TRUE MAG

SCALE

5000 FT 0 1 2 3 4 5 MILES

CARPENTARIA EXPLORATION COMPANY PTY. LTD.

McARTHUR AREA

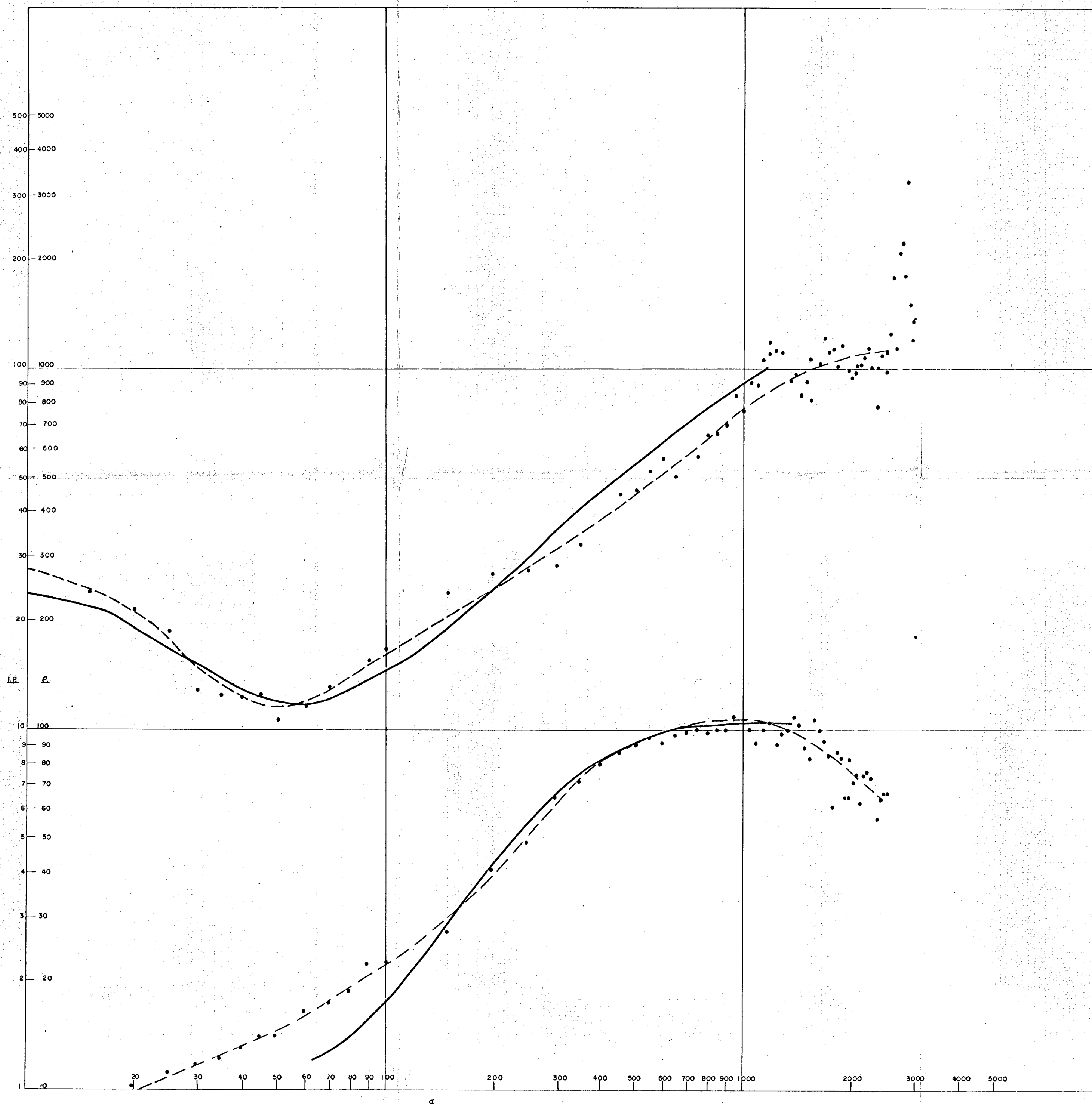
REGIONAL RESISTIVITY

CONTOUR MAP

GEOPH: R.J.R. GEOL: J.S.-D.M.-J.J. DATE: FEB. 1967

CHECKED: DRAWN: D.K./L.E. 2635

CR 66/308



INTERPRETATION

I.P.	GEOLOGY	RESISTIVITY
	SOIL	$\rho_s = 240$
	DOLOMITIC SHALES	$\rho_s = 80$
I.P. = 10,0	DOLOMITE	$\rho_s = 24,000$
	PYRITIC SHALES I" = 100	$\rho_s = 2,400$

——— MASTER CURVE
 - - - FIELD CURVE

CARPENTARIA EXPLORATION COMPANY PTY. LTD.

MCARTHUR AREA

SHOWING
 DEPTH PROFILE IX_sY_s 12
 WENNER ARRAY

SCALE:	GEOLOGIST: R. J. R.	DATE: MARCH 1967.
CHECKED:	DRAWN: G. A. A.	2654

CR66/50B



LEGEND

0-5 MV/V.		
5-10 "		
10-15 "		
15-20 "		
20+ "		

400' ELECTRODE SPACING

CARPENTARIA EXPLORATION COMPANY PTY. LTD.

MC ARTHUR AREA

INDUCED POLARIZATION CONTOURS

COXCO

SCALE: 1" = 200'	GEOH. R.J.R.	DATE: FEB. 1967
CHECKED:	DRAWN: D.E.K.	2645

CR 66/508



LEGEND

0-200 Ω / FT.	
200-500 "	
500-1000 "	
1000-2000 "	
> 2000 "	
TREND OF RESISTIVITY LOWS	

400' ELECTRODE SPACING

CR 66/308

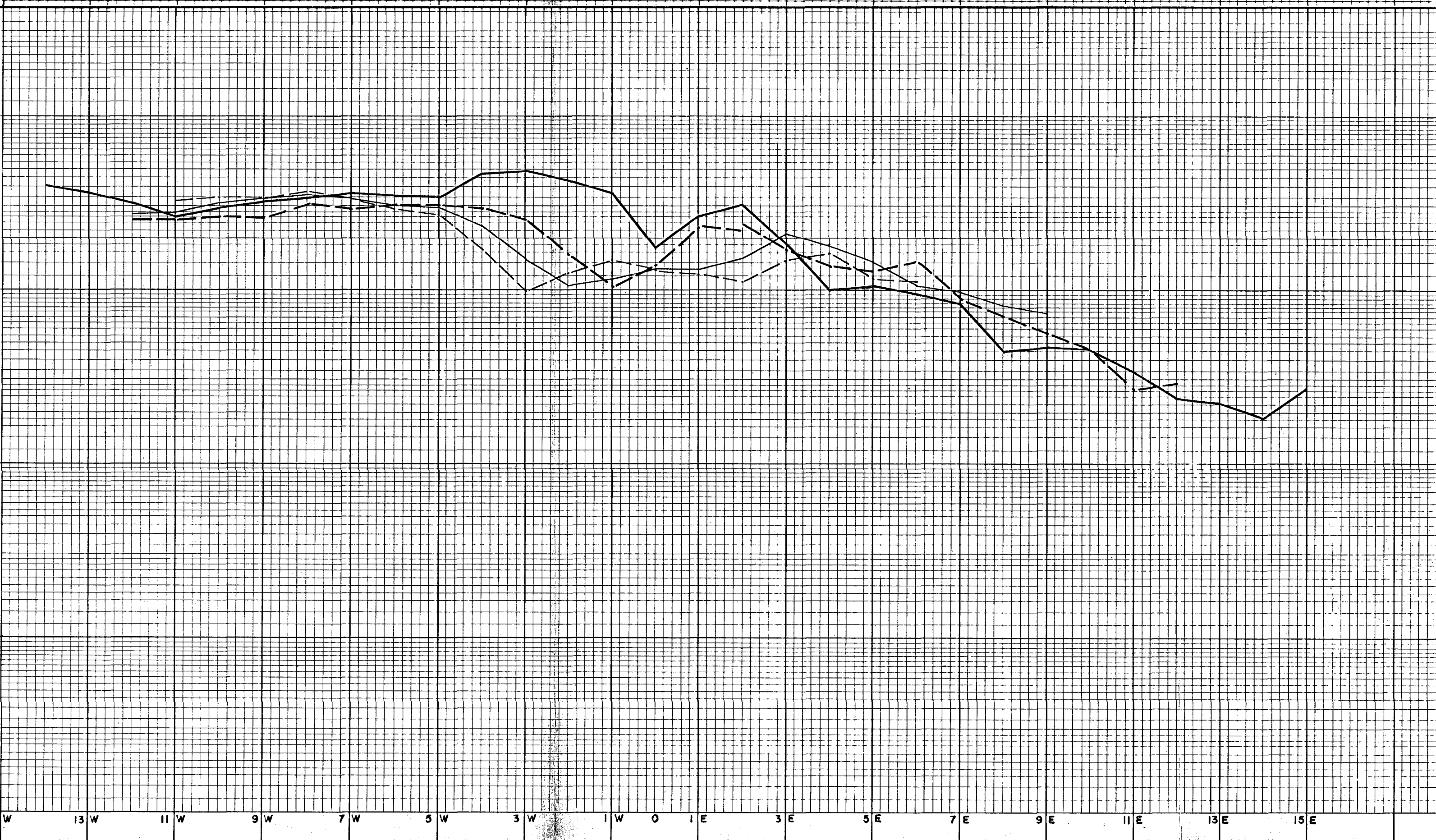
CARPENTARIA EXPLORATION COMPANY PTY. LTD.

MC ARTHUR AREA

RESISTIVITY CONTOURS

COXCO

SCALE: 1" = 200'	GEOPH. R.J.R.	DATE: FEB. 1967
CHECKED:	DRAWN: D.E.K.	2644



ELECTRODE SPACING

— 200 FT.

- - - 400 FT.

— 600 FT.

- - - 800 FT.

CR 66/508

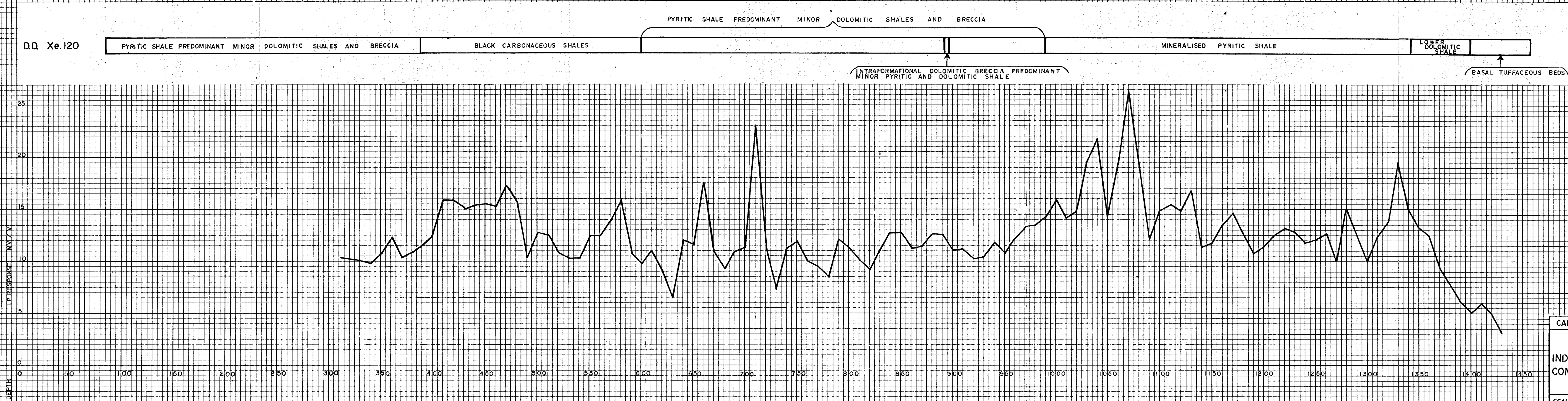
CARPENTARIA EXPLORATION COMPANY PTY. LTD.

MCARTHUR AREA
Northern Territory

GEOPHYSICAL SURVEY 1966

RESISTIVITY AND INDUCED POLARIZATION PROFILES
D'ARCY'S PROSPECT LINE 0.

SCALE: 1" = 200'	GEOPH: R. J. R.	DATE: FEB. 1967
CHECKED:	DRAWN: G. A. A.	2649



CR66/308

CARPENTARIA EXPLORATION COMPANY PTY. LTD.

MCARTHUR AREA

SHOWING

INDUCED POLARIZATION DOWN HOLE LOG

COMPARED WITH GEOLOGICAL SECTION

OF D.D. Xe.120

SCALE: 1" = 50'	GEOPH. R.J.R.	DATE: MARCH 1967
CHECKED:	DRAWN: G.A.A.	2652