85860 –
14134

11/80

LOGISTICAL REPORT

INDUCED POLARIZATION SURVEY

SILVER FOX PROJECT
Omineca Mining Division
BURNS LAKE AREA, B.C.

Mineral Claims Wind 1.,
Silver Fox, and LeCroy

Lat. 54 24' 30" N
Long: 125 25' W
NTS 93-K-6/W
on behalf of
RYZNAR GEOLOGICAL SERVICES LTD.
4405 Glencanyon Road
North Vancouver, B.C.
for
WINDFLOWER MINING LTD. (owner)

Field work completed: Sept. 27 - Oct. 10, 1985

Alan Scott, Geophysicist
4013 West 14th Avenue
Vancouver, B.C.

Report by: Alan Scott, Geophysicist, PEng.

October 12, 1985

Submitted Nov 18,1985

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1. INTRODUCTION

Induced polarization and apparent resistivity surveys were conducted over portions of the Silver Fox property, Burns Lake area, B.C. on behalf of Ryznar Geological Services Ltd. in the period September 27 to October 10, 1985. The field work was performed by Alan Scott, Geophysicist.

The pole dipole electrode array at an "a" spacing of 25 meters was used on the Silver Fox survey. Line 250W was read at "n" sparations of 1 to 5, and the remainder of the lines at "n" separations of 1 to 6. The online current electrode was to the south of the receiving electrodes on all survey lines.

2. SURVEY LOCATION

The Silver Fox property is located some 35 km northeast of Burns Lake B.C. Pinkut Creek runs through the gridded area between lines 0 and 120N. Access to the property is by the Pincut Creek fisheries road, from a network of well maintained logging roads northerly from Burns Lake.

SURVEY GRID AND SURVEY COVERAGE

17 lines (26.8 km) were surveyed on the Silver Fox property, for a total of 1051 stations at multiple n separations. Details of survey coverage are given in the previously submitted production reports.

4. PERSONNEL

Alan Scott operated the IPR-11 receiver and produced the accompanying data summaries and pseudosections using the Soft II program.

Steve Ocsko operated the transmitter.

Richard Hall, Grant McDaniel, and Bill Twaites were field assistants on the survey. Ragnar Bruaset was on site for the duration of the survey, and Gerry Ryznar was on site for the first four days of the survey.

5. INSTRUMENTATION

A Scintrex IPR-11 time domain microprocessor based induced polarization receiver was used on the survey. This instrument operates on an alternating square wave transmitted current pulse train, and samples the decay curve at ten semilogarithmically spaced times after cessation of each pulse. A 2 second on and 2 second off period was used on the survey. The eighth slice (from 690 to 1050 milliseconds after shutoff: midpoint at 870 milliseconds) is the value that has been plotted on the plans and pseudosections. The data is continually averaged until the operator is satisfied convergence has occurred, and is filed into solid state memory.

A Scintrex IPC-7 2.5 kw time domain transmitter was used for the survey. Transmitted current was read from a digital ammeter.

The survey data was archived, processed, and plotted using a Corona PPC 400 microcomputer running the Scintrex Soft II software. All decay curves were submitted to spectral analysis by a curve matching procedure. Johnson (1984) summarizes the spectral parameters as follows:

Mo: The chargeability (Mo) is the relative residual voltage that would be seen immediately after shut-off of an infinitely long transmitted pulse (Seigel, 1959). It is related to the traditional chargeability as measured some time after the shut-off of a series of pulses of finite duration.

t: The time constant (t or tau) and exponent (c) are those measureable physical properties which describe the shape of the decay curve in time domain or phase spectrum in the frequency domain. For conventional IP targets the time constant has been shown to have a range from approximately .01 to 100.0 seconds and is thought of as a measure of the grain size. Fine disseminated material loses charge quickly and coarse grained material holds charge longer.

c: The exponent (c) has been shown to have a range of interest from .1 to .5 or greater and is diagnostic of the uniformity of grain size.

6. RECOMMENDATIONS

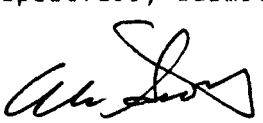
A preliminary examination of the results from the IPR11 survey on the Silver Fox property indicates that two general categories of chargeability anomalies were detected.

The southern portion of the property (south of approximately 1000N) is characterized by very low background chargeability, and contains four zones of moderately high chargeability response coincident with moderately high resistivity. Several weakly high chargeability anomalies also occur in this area.

The northern portion of the property (north of approximately 1000N) is characterized by moderately high background chargeability response, with isolated strong to very strong chargeability anomalies coincident with local resistivity lows.

A detailed interpretation of the results of this IP survey, and correlation of those results to geochemical and geological information, is recommended.

Respectfully Submitted,



Alan Scott, PEng.
Geophysicist

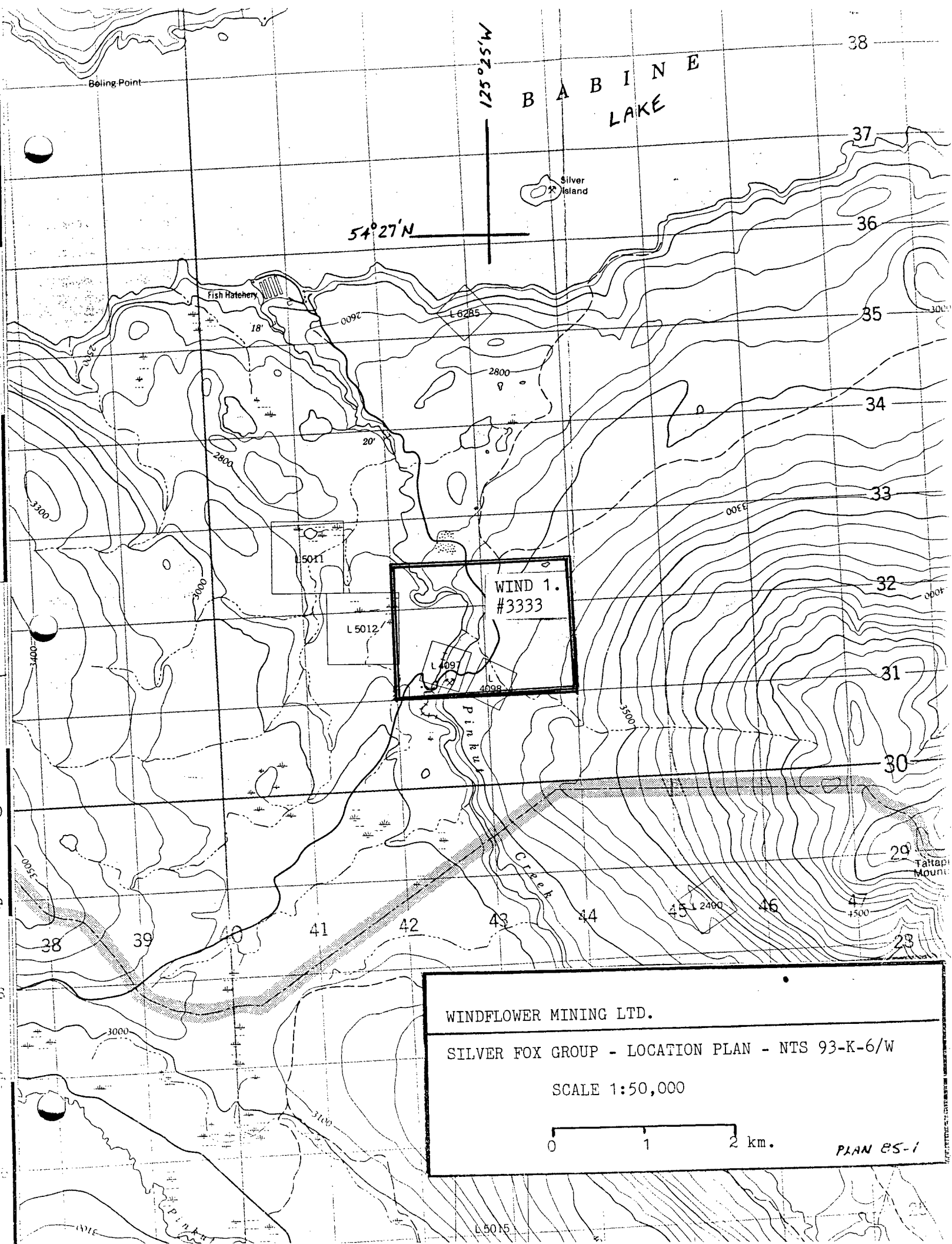
STATEMENT OF EXPENDITURES

SILVER FOX PROJECT - GEOPHYSICAL PROGRAM 1985

Line cutting		
Ryznar Geological Services Ltd., Sept 15 - Oct 10/85		
25 kms. @ $250 per km.		$ 6,250.00
Geophysical Surveys		
Al Scott Geophysicist		
IPR 11 Survey Sept 27 to Oct 11/85		
27 kms. @ approximately $776/km		$20,955.00
Expenses for I.P. crew		
Accommodation & meals Sept 26 to Oct 11/85		
14 days @ $146.50/day (Crew of 5 persons)		$ 2,051.00
Supervision		
R. Bruaset - Professional Geologist (F.G.A.C.)		
10 days at $300/day (Sept 27 to Oct 6/85)		$ 3,000.00
Report Preparation		
Professional Fee - G. Ryznar, PEng.		
2 days @$350/day	$700.00	
Xeroxing IP pseudosections	$ 95.34	
Printing	$ 7.78	$ 803.12
Total Costs of Geophysical Program		$33,059.12

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. J. RYZNAR

G. Ryznar, PEng.
Nov 18/85



WINDFLOWER MINING LTD.

SILVER FOX GROUP - LOCATION PLAN - NTS 93-K-6/W

SCALE 1:50,000

0 1 2 km.

PLAN 85-1

CLAIM BOUNDARY
WIND 1.

PINKUT CK.

TIE LINE
TIE LINE
TIE LINE
TIE LINE
TIE LINE
TIE LINE

STREAM
STREAM

ROAD
ROAD

12+00N
6+00N
8+00N
14+00N

L 12+00W
L 1+00W
L 0+00
1+00E
2+00E
3+00E
4+00E
5+00E
6+00E
7+00E
8+00E
9+00E

CLAIM BOUNDARY
CLAIM BOUNDARY

BASE LINE 8+00N

0+00N
BASE LINE
L 5+00W
L 4+00W

SILVER FOX
L 4097

LECROY
L 4098

WIND 1.
LCP

CLAIM BOUNDARY

L 3+00W
L 2+00W
L 1+00W
Line 0+00
1+00E
2+00E
3+00E
4+00E
5+00E
6+00E
7+00E
8+00E
9+00E

WIND 1. #3333

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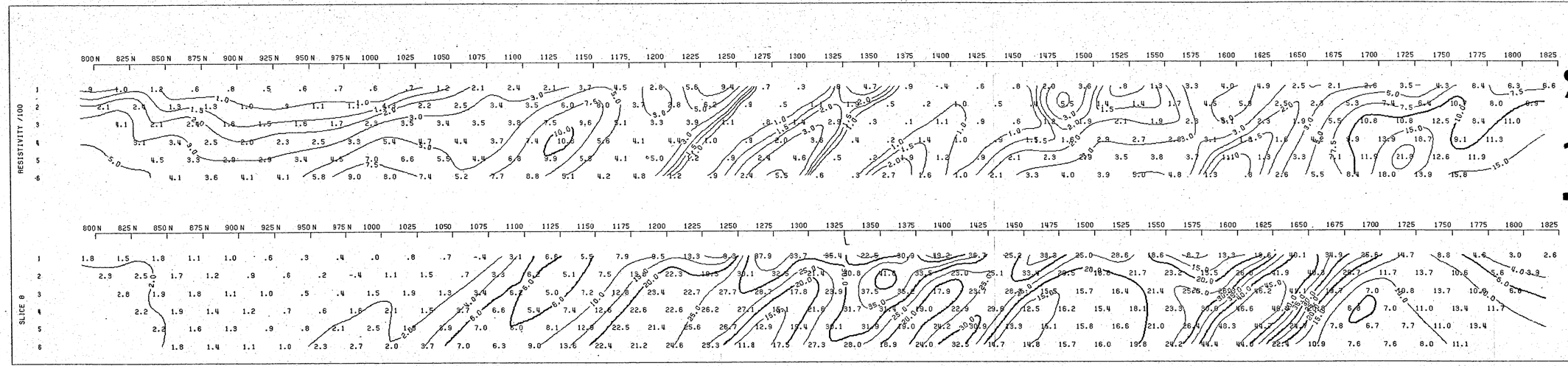
WINDFLOWER MINING LTD.

SILVER FOX GROUP NTS. 93-K-6W , B.C.
GEOPHYSICAL GRID

SCALE 1:5,000

0 100m 200 metres

PLAN 85-2 NOV. 1985



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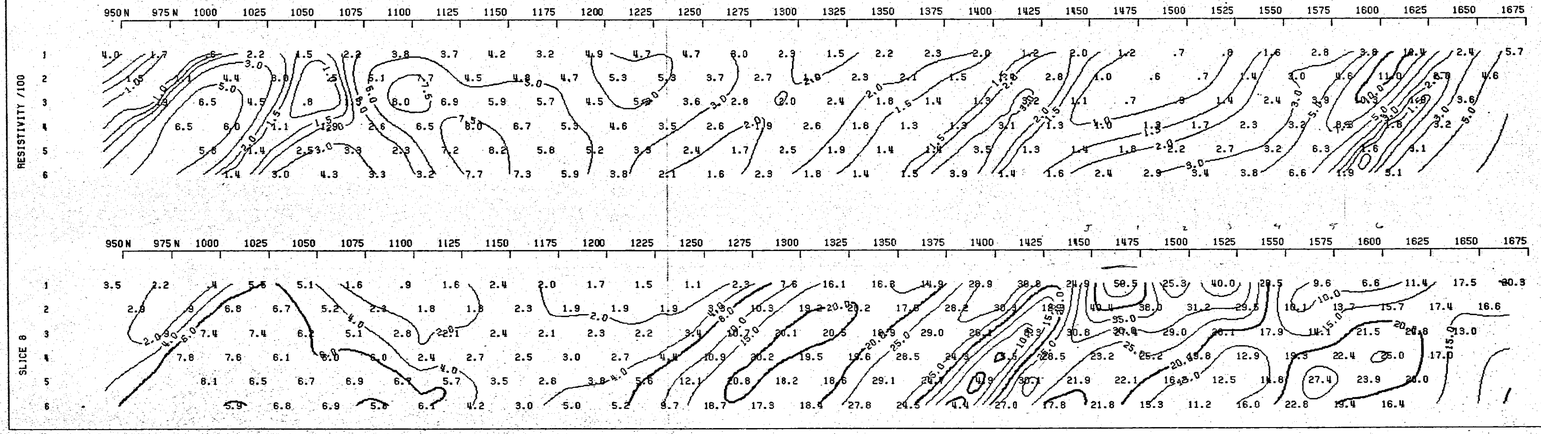
LINE NUMBER: 0
AREA: WINDFLOWER - SILVER FOX PROJ.
"A" METRES: 25.0
N=1 TO 6
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY
TRANSMIT PULSE TIME (SEC): 2.0
RECEIVE TIME (SEC): 2.0
SCALE

0 25 50 metres



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AREA: WINDFLOWER - SILVER FOX PROJ.
"A" METRES: 25.0
N=1 TO 6
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY
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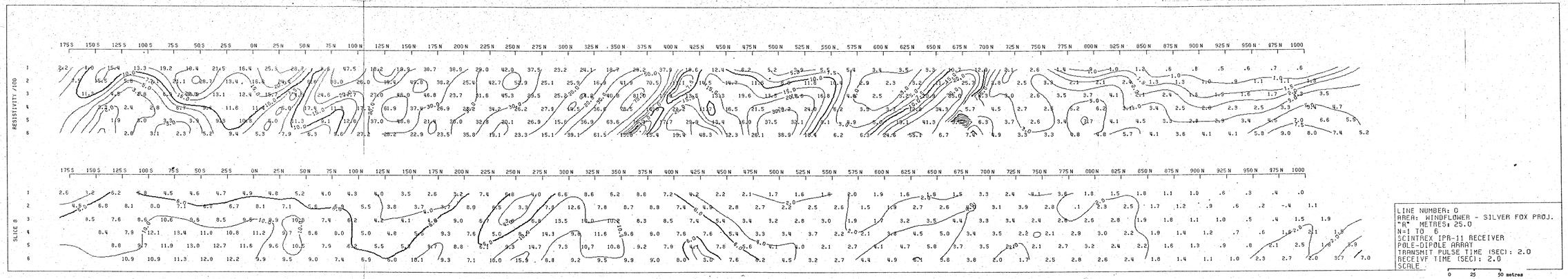
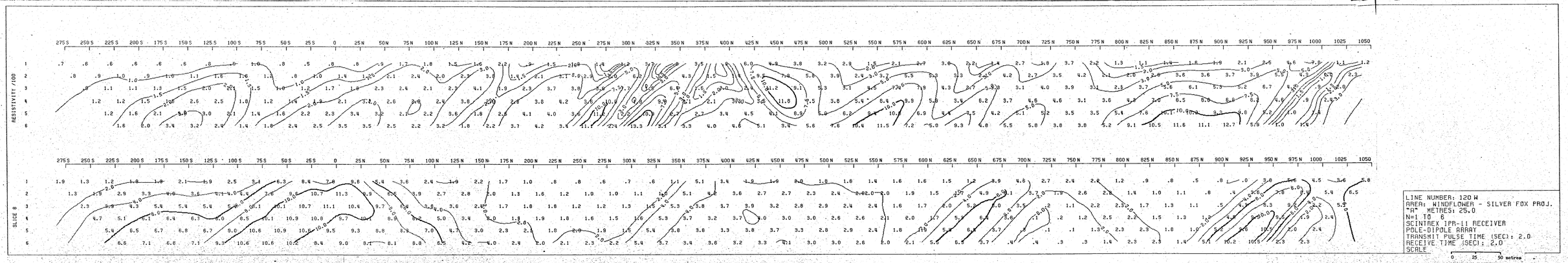
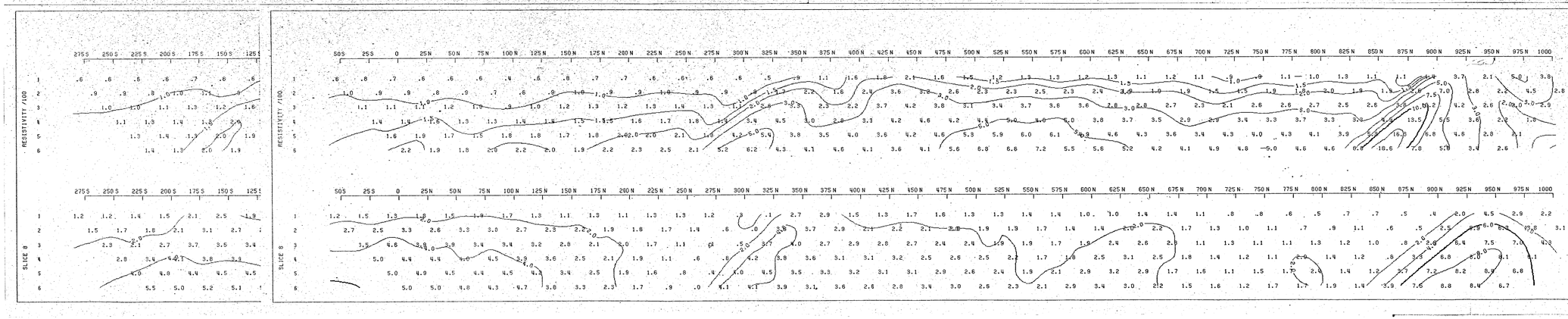
RECEIVE TIME (SEC): 2.0
SCALE

0 25 50 metres







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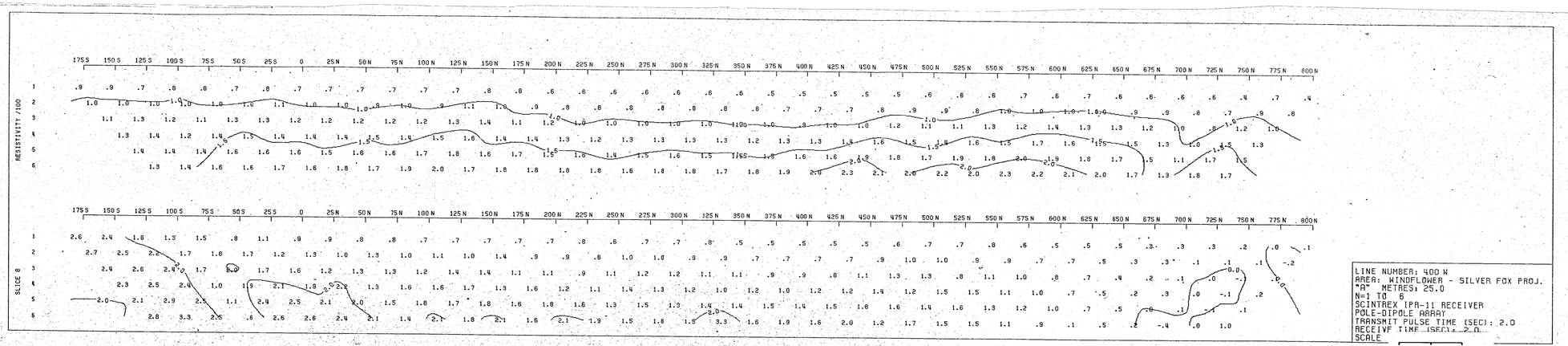

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AREA: WINDFLOWER - SILVER FOX PROJ.
"A" METRES: 25.0
N=1 TO 6
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY
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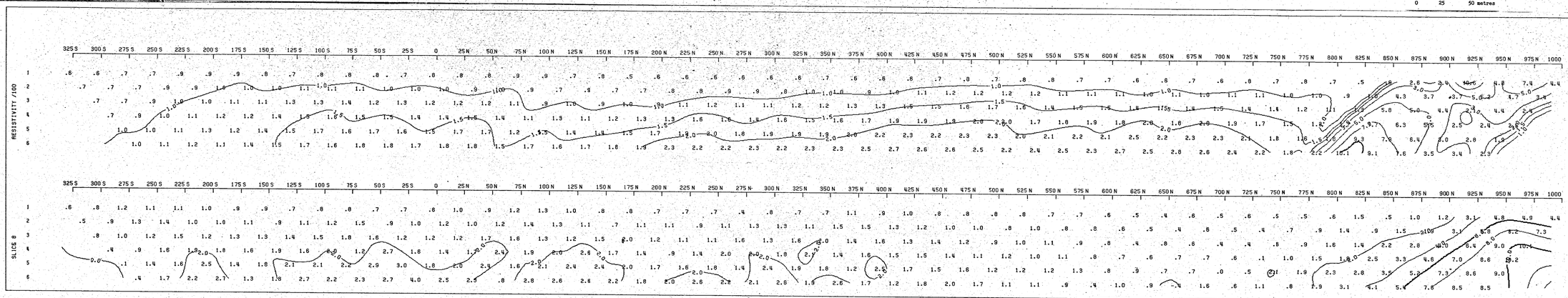
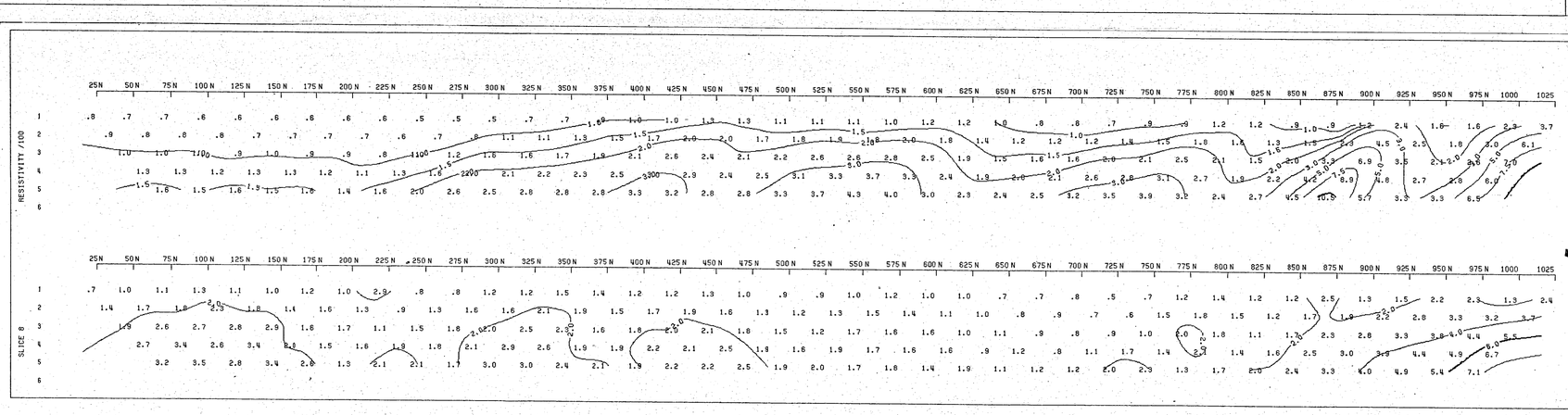
RECEIVE TIME (SEC): 2.0
SCALE
0 25 50 metres



LINE NUMBER: 300 W
AREA: WINDFLOWER - SILVER FOX PROJ.
"A" METRES: 25.0
N=1 TO 6
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY
TRANSMIT PULSE TIME (SEC): 2.0
RECEIVE TIME (SEC): 2.0
SCALE
0 25 50 metres



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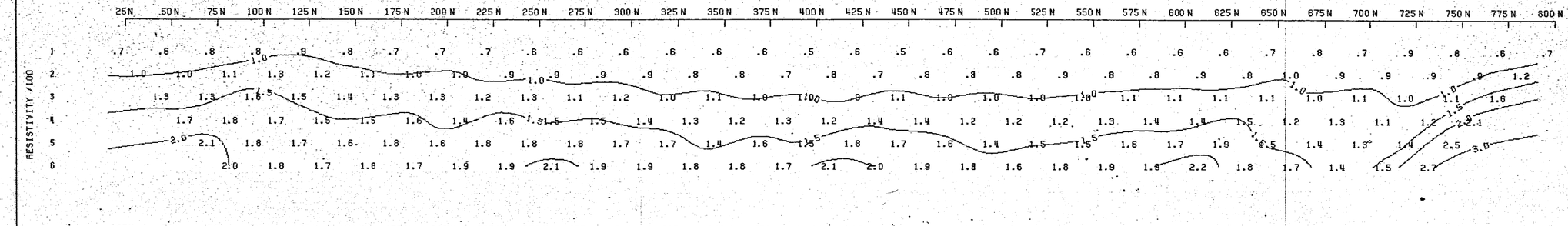
LINE NUMBER: 250 W
AREA: WINDFLOWER - SILVER FOX PROJEC
"A" METRES: 25.0
N=1 TO 5
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY
TRANSMIT PULSE TIME (SEC): 2.0
RECEIVE TIME (SEC): 2.0
SCALE
0 25 50 metres



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LINE NUMBER: 500 W
AREA: WINDFLOWER - SILVER FOX PROJ.
"A" METRES: 25.0
N=1 TO 6
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY
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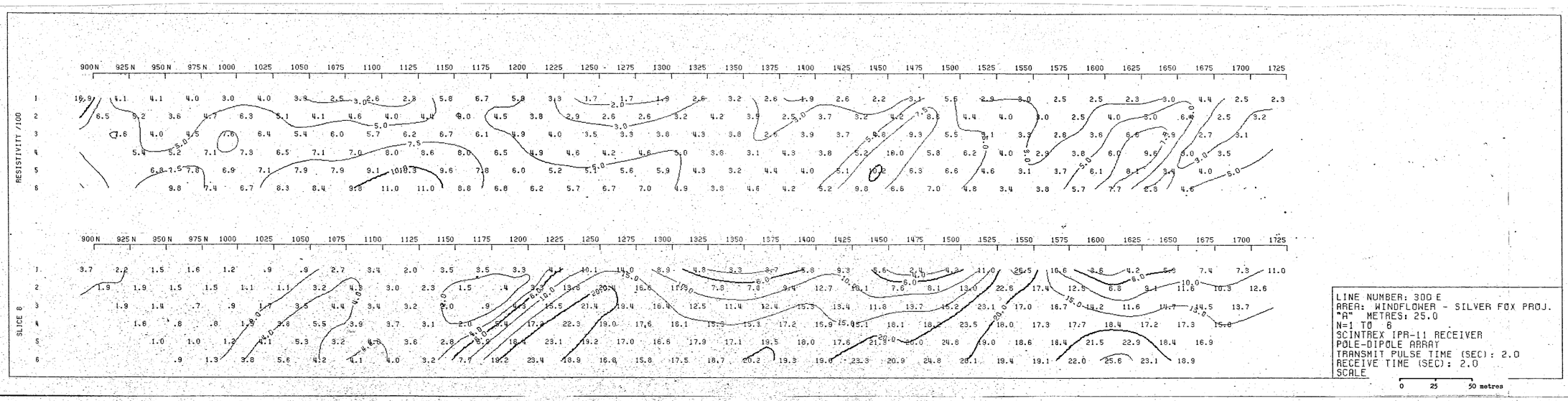
RECEIVE TIME (SEC): 2.0
SCALE

0 25 50 metres



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AREA: WINDFLOWER - SILVER FOX PROJ.
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N=1 TO 6
SCINTREX IPR-11 RECEIVER
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RECEIVE TIME (SEC): 2.0
SCALE

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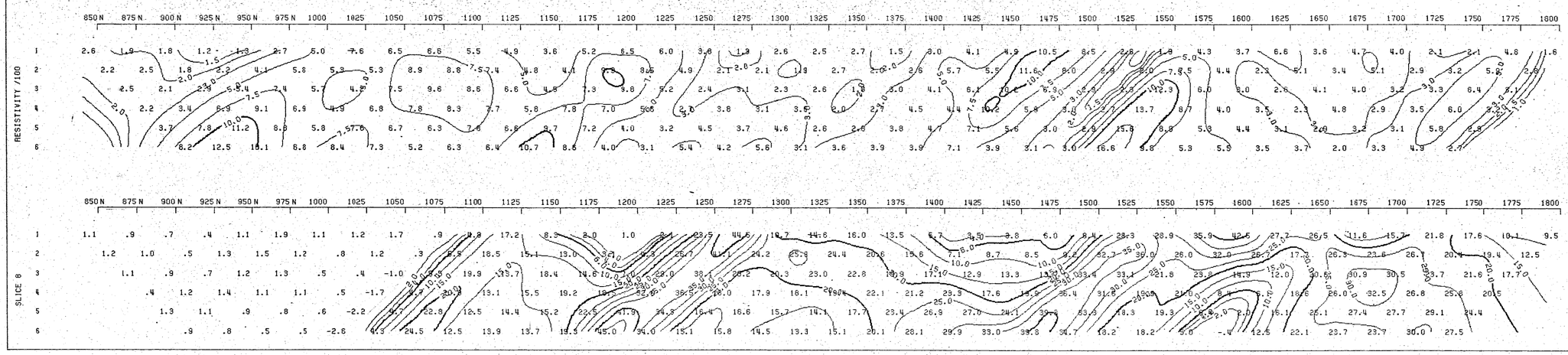

LINE NUMBER: 200 E
AREA: WINDFLOWER - SILVER FOX PROJ.
"A" METRES: 25.0
N=1 TO 6
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY
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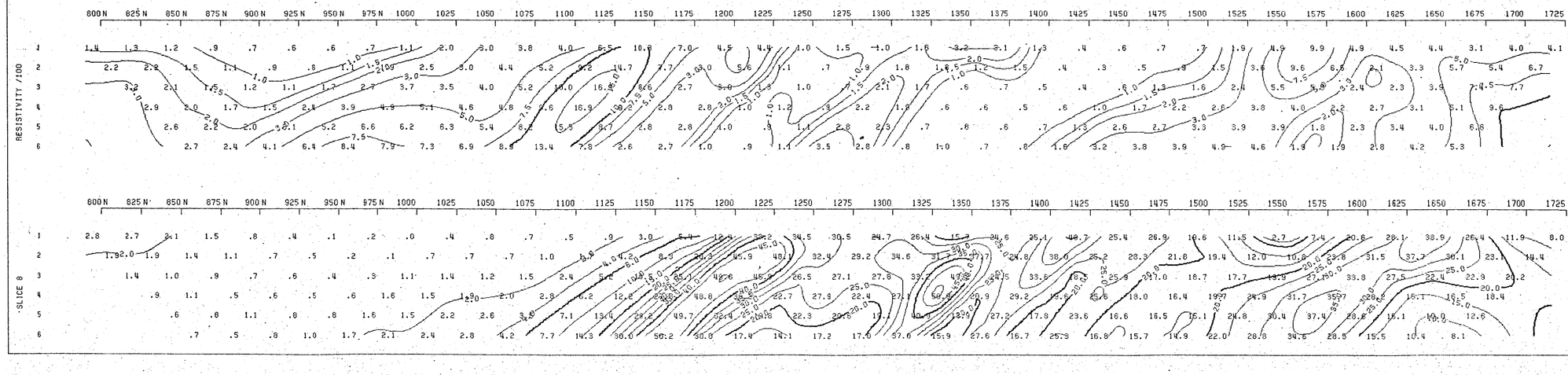
RECEIVE TIME (SEC): 2.0
SCALE

0 25 50 metres



LINE NUMBER: 100 E
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"A" METRES: 25.0
N=1 TO 6
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY
TRANSMIT PULSE TIME (SEC): 2.0
RECEIVE TIME (SEC): 2.0
SCALE

0 25 50 metres

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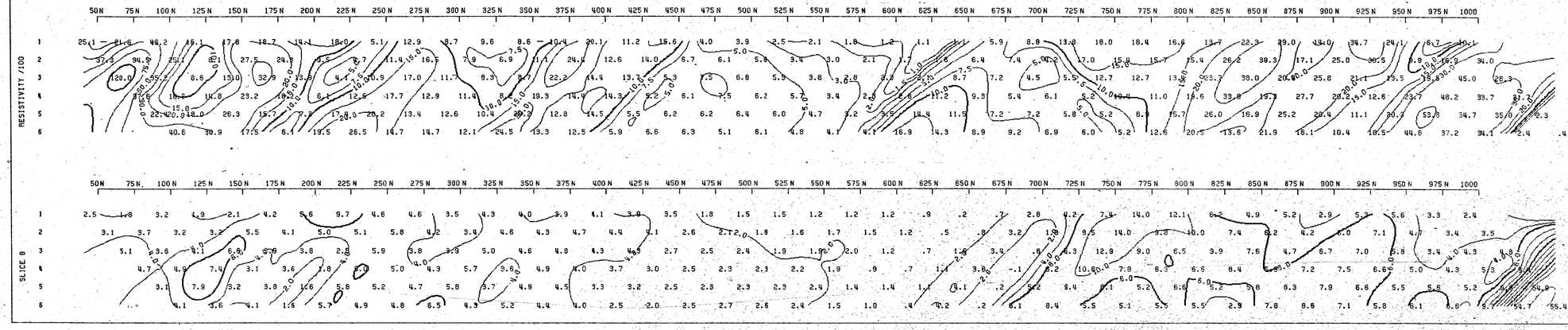

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RECEIVE TIME (SEC): 2.0
SCALE
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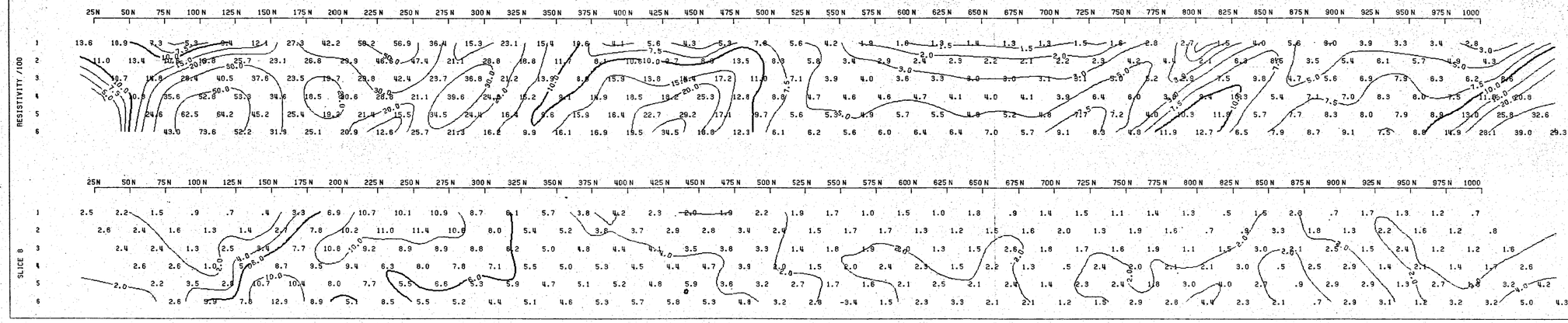

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"A" METRES: 25.0
N=1 TO 6
SCINTREX IPR-11 RECEIVER
POLE-DIPOLE ARRAY
TRANSMIT PULSE TIME (SEC): 2.0
RECEIVE TIME (SEC): 2.0
SCALE
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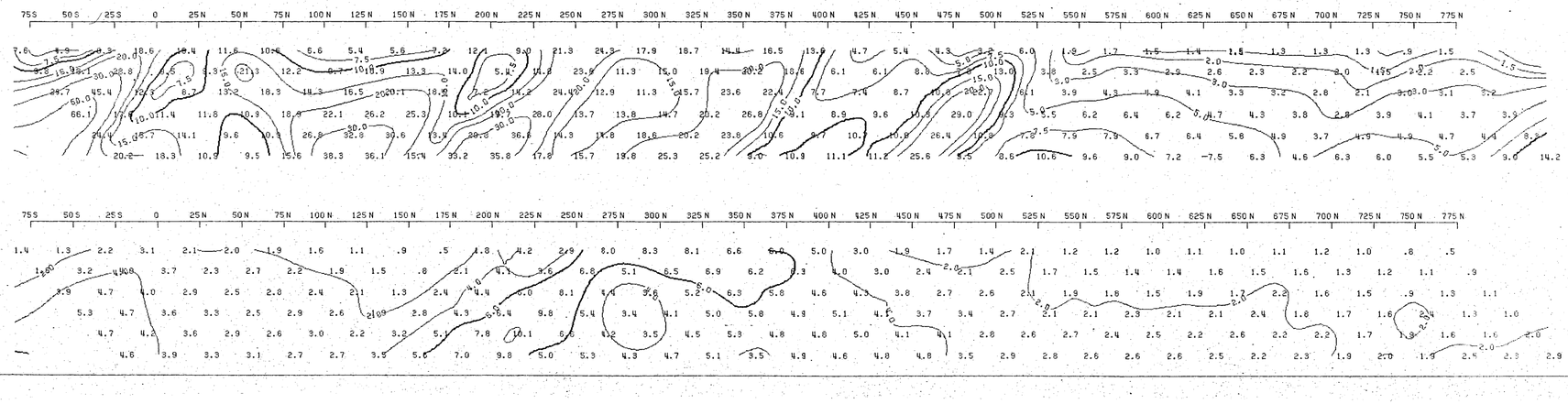

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"A" METRES: 25.0
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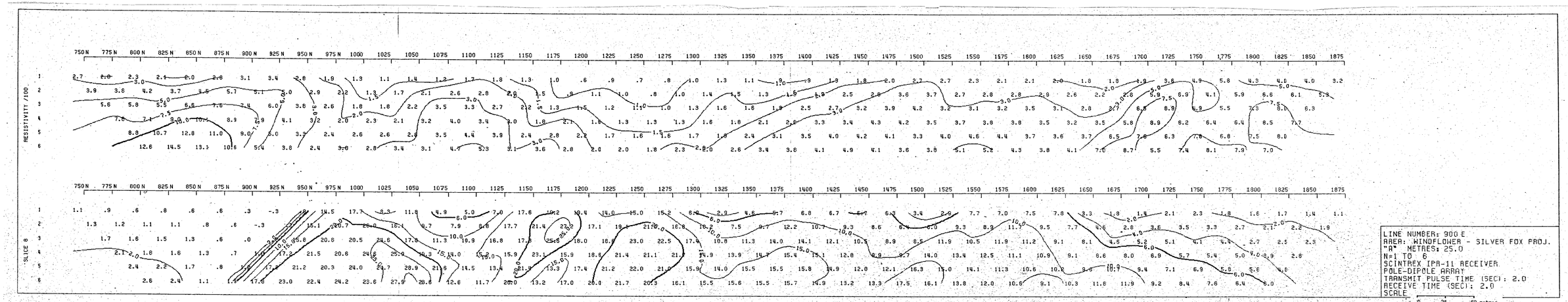

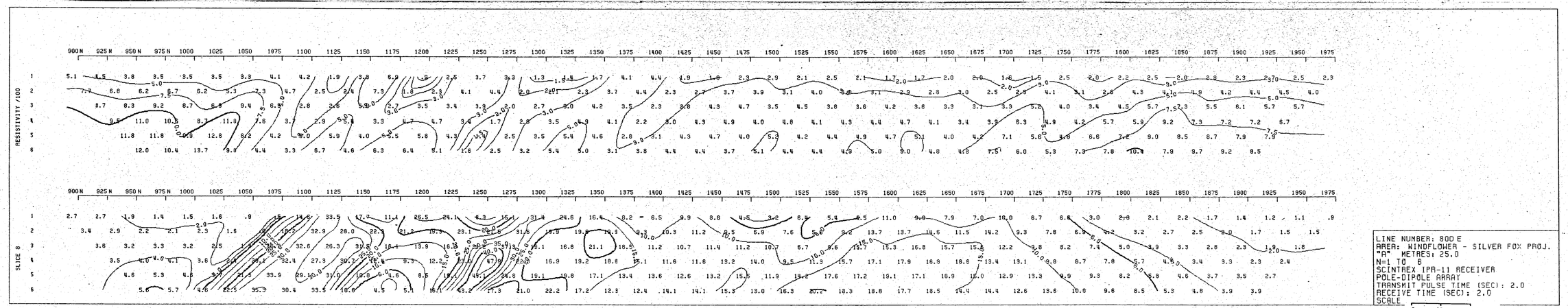

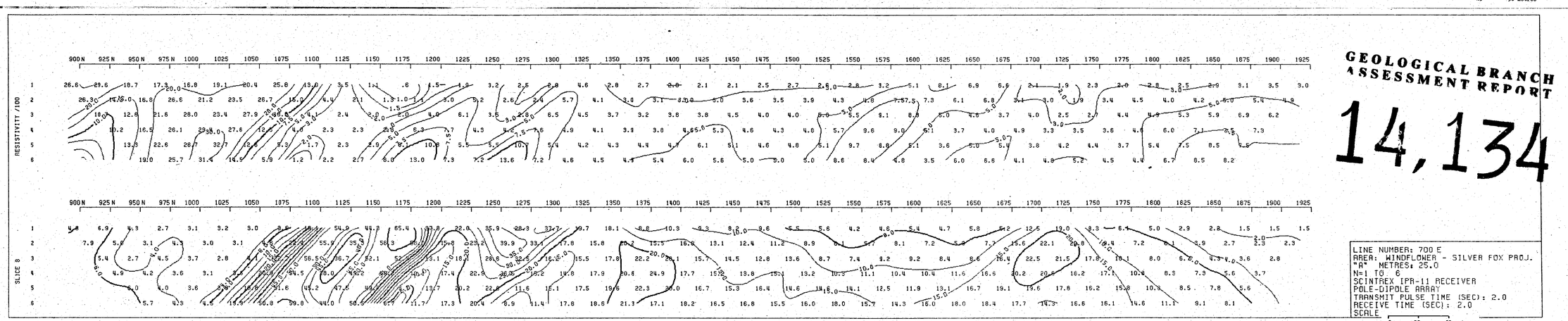

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