TIME VRMS
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
165
170
175
180

GRANT–NORPAC

LINE LS-08

NORTHEAST

PROSPECT . . . GREAT LAKES
LOCATION . . . LAKE SUPERIOR

MIGRATION

ACQUISITION

RECORDING PARAMETERS

RECORDED BY . . . GRANT-NORPAC
PARTY . . . 587
DATE RECORDED . . . JUNE 1985
FIELD FORMAT . . . SEG-B
SAMPLE INTERVAL . . . 2 MS.
RECORD LENGTH . . . 8.0 SEC.
NAVIGATION SYSTEM . . . LORAN C SATELLITE
INSTRUMENTS . . . DFS-V
FIELD FILTER . . . 8-128 HZ.
DIRECTION SHOT . . . 240 DEG.

SOURCE PARAMETERS

SOURCE . . . 32 GUN TUNED AIR GUN ARRAY
VOLUME . . . 2068 CU. IN.
GUN PRESSURE . . . 2000 PSI
ARRAY DEPTH . . . 8 METERS

RECEIVER PARAMETERS

CABLE . . . SECO CENTURY
CABLE LENGTH . . . 2975 METERS
CABLE DEPTH . . . [illegible] METERS

GEOMETRY

SHOT INTERVAL . . . 25 METERS
GROUP INTERVAL . . . 25 METERS
CHANNELS/RECORD . . . 120
NEAR TRACE . . . 200 METERS
FAR TRACE . . . 3175 METERS
FOLD . . . 60

S GUN TR 120 200 M

PROCESSING SEQUENCE

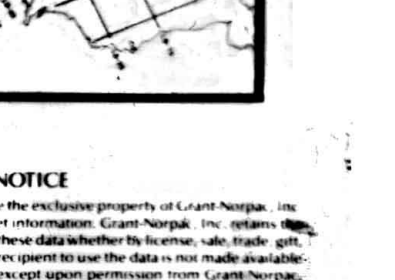
DEMULTIPLEX 32 BIT FLOATING POINT 2 MS. SAMPLE RATE
AUTOMATIC GAIN CONTROL
TRACE EDIT
COMMON DEPTH POINT GATHER 60 FOLD 25 METER CDP INTERVAL
SPIKING DECONVOLUTION 424 MS. OPERATOR LENG 1% PREWHITENING
VELOCITY ANALYSIS EVERY 120 CDPS
NORMAL MOVEOUT CORRECTION
TRACE MUTE
COMMON DEPTH POINT STACK
DECONVOLUTION 144 MS. OPERATOR LENGTH 24 MS. LAG
FILTER 8-40 HZ.
F/K FILTER
TRACE BALANCE
MIGRATION (FINITE DIFF.

DISPLAY PARAMETERS

HORIZONTAL SCALE . . . 50.0 TRACES/IN.
VERTICAL SCALE . . . 2.5 IN./SEC.
POLARITY . . . BLACK=POSITIVE
DIRECTION . . . [illegible]
SHOT POINT ANNOTATION . . . ANTENNA POSITION

GRANT–NORPAC
10550 RICHMOND AVENUE P.O. BOX 42801
HOUSTON, TEXAS 77042 713/781-4000
TWX: 910-881-2660 TLX: 774-686
CABLE: GRANTGEO

PROCESSED BY GRANT-NORPAC
OCT 1985



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3 Kilometers

SCALES

1 Second

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Miscellaneous Paper 91-2: Seismic Reflection Profiling and Tectonic Evolution of the Midcontinent Rift in Lake Superior
Plate 2: Line 8
1992

These profiles have been photomechanically reduced from an original plotted scale of 1 second = 2.5 inches; as a result, some of the image may have been degraded.

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