GRANT-NORPAC

LINE LS-36

NORTHEAST

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

MIGRATION

ACQUISITION

RECORDING PARAMETERS

RECORDED BY . . . . . GRANT-NORPAC
PARTY 507
DATE RECORDED . . . . JUL 1985
FIELD FORMAT . . . . SEG-B
SAMPLE INTERVAL . . . 2 MS.
RECORD LENGTH . . . . 8.0 SEC.
NAVIGATION SYSTEM . . LORAN C SATELLITE
INSTRUMENTS . . . . . DFS-V
FIELD FILTER . . . . 8-125 HZ.
DIRECTION SHOT . . . . 66 DEG.

SOURCE PARAMETERS

SOURCE . . . . 20 GUN TUNED AIR GUN ARRAY
VOLUME . . . . 2368 CU. IN.
ARRAY DEPTH . . . . . 8 METERS
GUN PRESSURE . . . . . 2000 P.S.I.

RECEIVER PARAMETERS

CABLE . . . . SECO CENTURY
CABLE DEPTH . . . . . 10 METERS
CABLE LENGTH . . . . . 2975 METERS

GEOMETRY

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

S-----------X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X
GUN TR 120 200 M TR 1 3175 M

PROCESSING SEQUENCE

DEMULTIPLEX
32 BIT FLOATING POINT
4 MS. SAMPLE RATE
AUTOMATIC GAIN CONTROL
TRACE EDIT
COMMON DEPTH POINT GATHER
60 FOLD
25 METER CDP INTERVAL
SPIKING DECONVOLUTION
424 MS. OPERATOR LENGTH
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 TRACES/IN.
VERTICAL SCALE . . . . . 2.5 IN./SEC.
POLARITY . . . . BLACK=POSITIVE
DIRECTION . . . . L TO R
SHOT POINT ANNOTATION . . . ANTENNA POSITION

GRANT-NORPAC

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PROCESSED BY GRANT-NORPAC OCT 1985

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3 Kilometers

SCALES

1 Second

Miscellaneous Paper 91-2: Seismic Reflection Profiling and Tectonic Evolution of the Midcontinent Rift in Lake Superior
Plate 9: Line 36
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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UWEX University of Wisconsin–Extension
Geological and Natural History Survey
Ronald Hennings, Acting Director and State Geologist
3817 Mineral Point Road, Madison, Wisconsin 53705