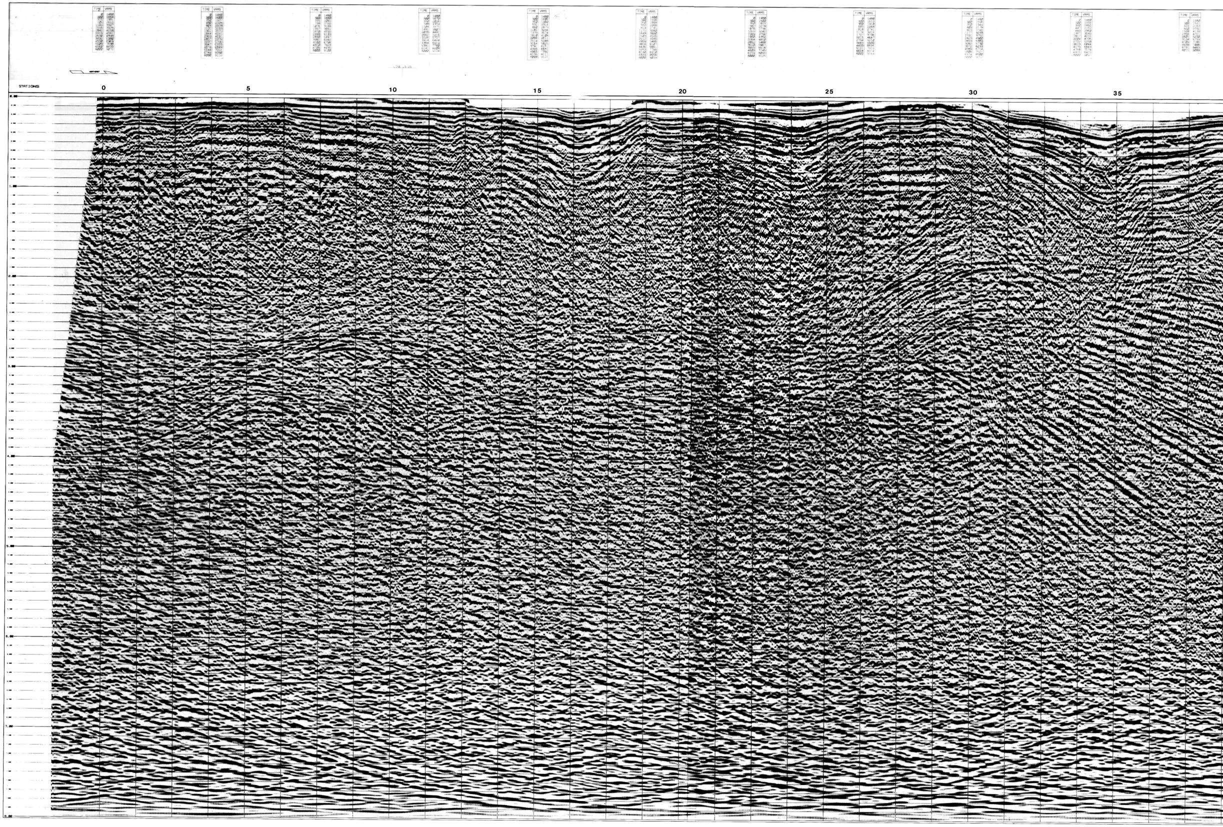
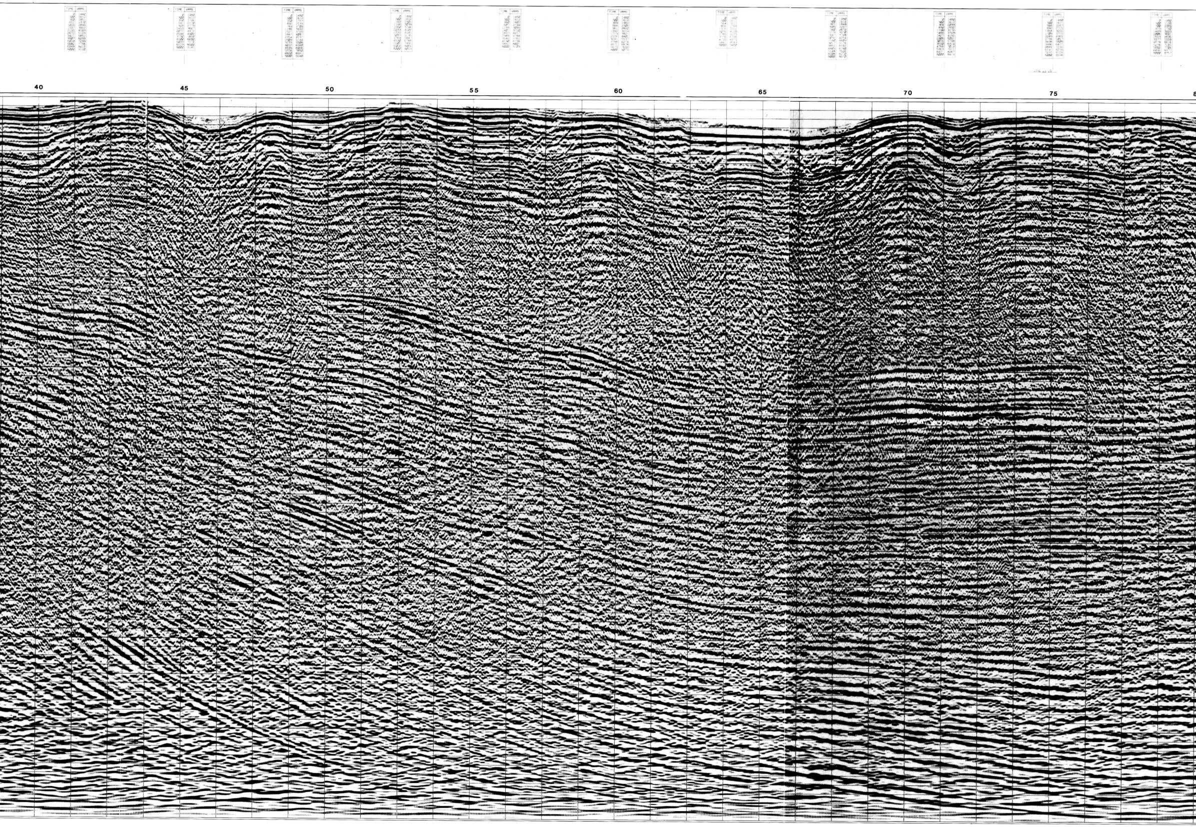
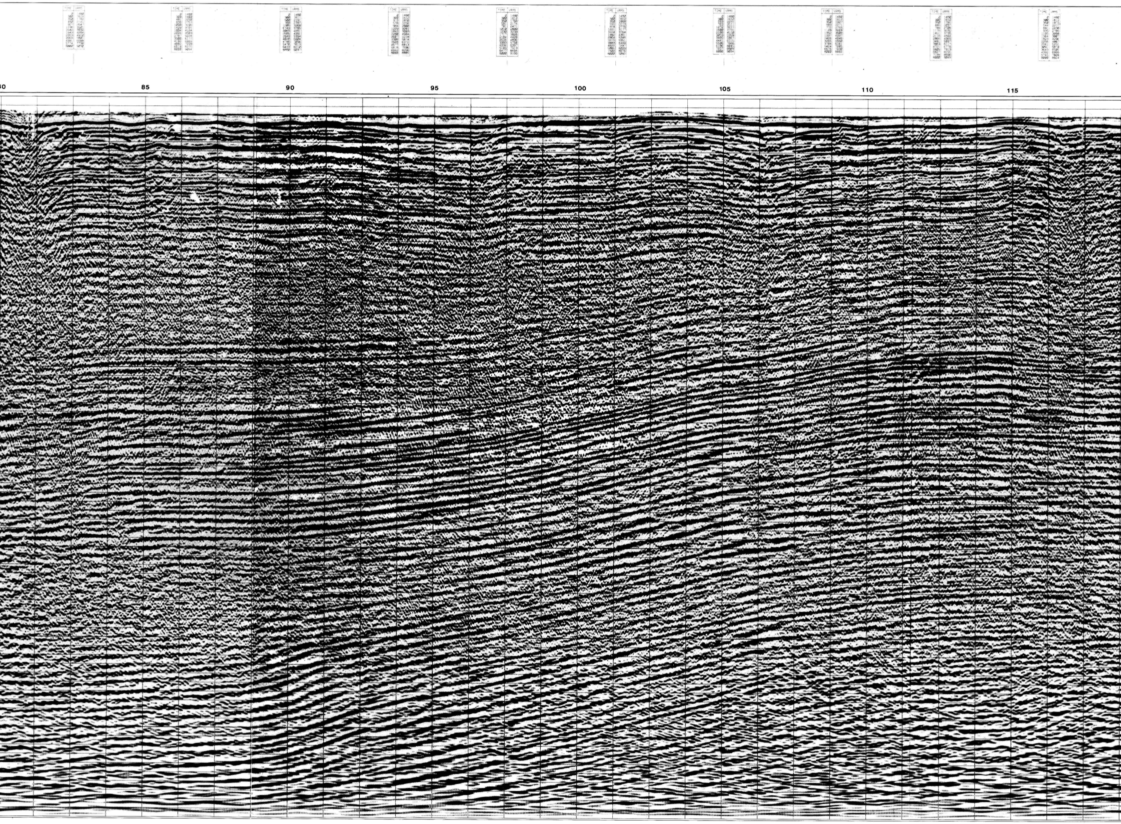
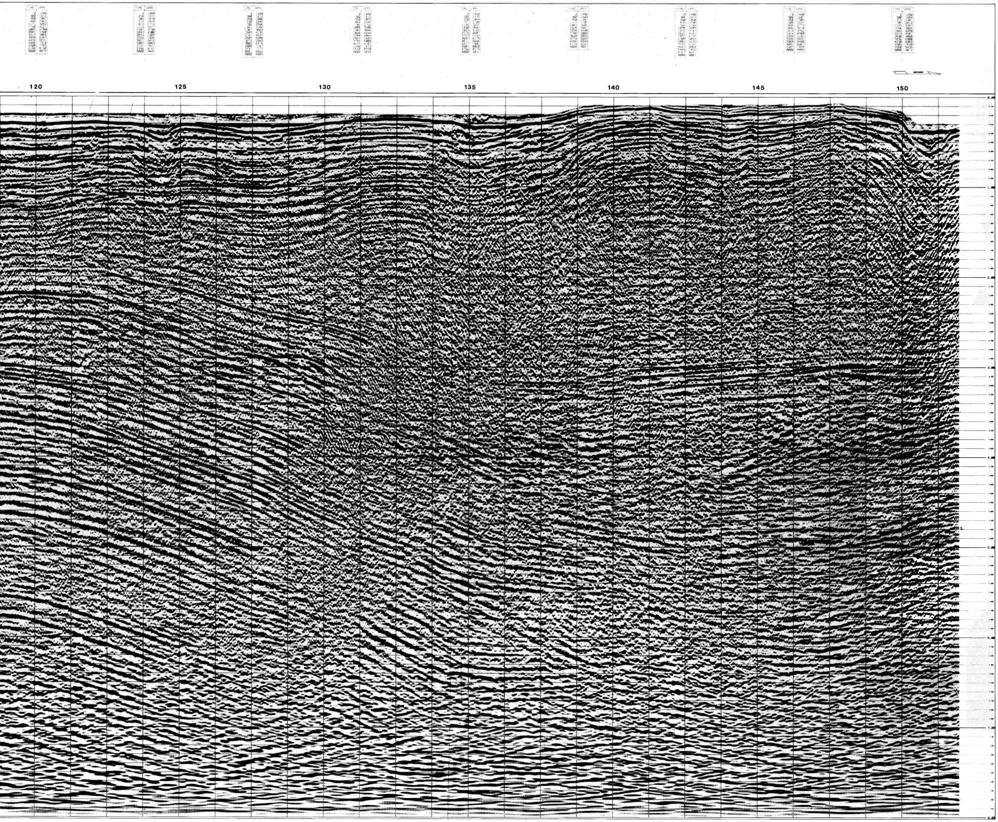








GRANT–NORPAC

LINE LS-36

NORTHEAST

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

MIGRATION

ACQUISITION

RECORDING PARAMETERS

RECORDED BY . . . . . GRANT-NORPAC
NAVIGATION SYSTEM . . LORAN C SATELLITE

SOURCE PARAMETERS

RECEIVER PARAMETERS

CABLE LENGTH . . . . 2975 METERS

GEOMETRY

SHOT INTERVAL . . . . 25 METERS
GROUP INTERVAL . . . 25 METERS
CHANNELS/RECORD . . . 120

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

VELOCITY ANALYSIS

NORMAL MOVEOUT CORRECTION

TRACE MUTE

COMMON DEPTH POINT STACK

DECONVOLUTION

FILTER

F/K FILTER

TRACE BALANCE

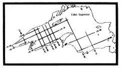
MIGRATION (FINITE DIFF.)

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
HOUSTON, TEXAS

PROCESSED BY GRANT-NORPAC



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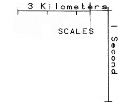

Miscellaneous Paper 91-2: Seismic Reflection
Profiling and Tectonic Evolution of the
Midcontinent Rift in Lake Superior
Plate 9: Line 36
1992

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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