DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Open-File Report 88-386

PLATE 1

GLIMPCE 1986

UNITED STATES GEOLOGICAL SURVEY

&

GEOLOGICAL SURVEY OF CANADA

LAKE SUPERIOR
LINE: A
FINAL STACK

SOUTH

PROCESSED BY: U.S.G.S.
BRANCH OF PETROLEUM GEOLOGY
GEOPHYSICS GROUP

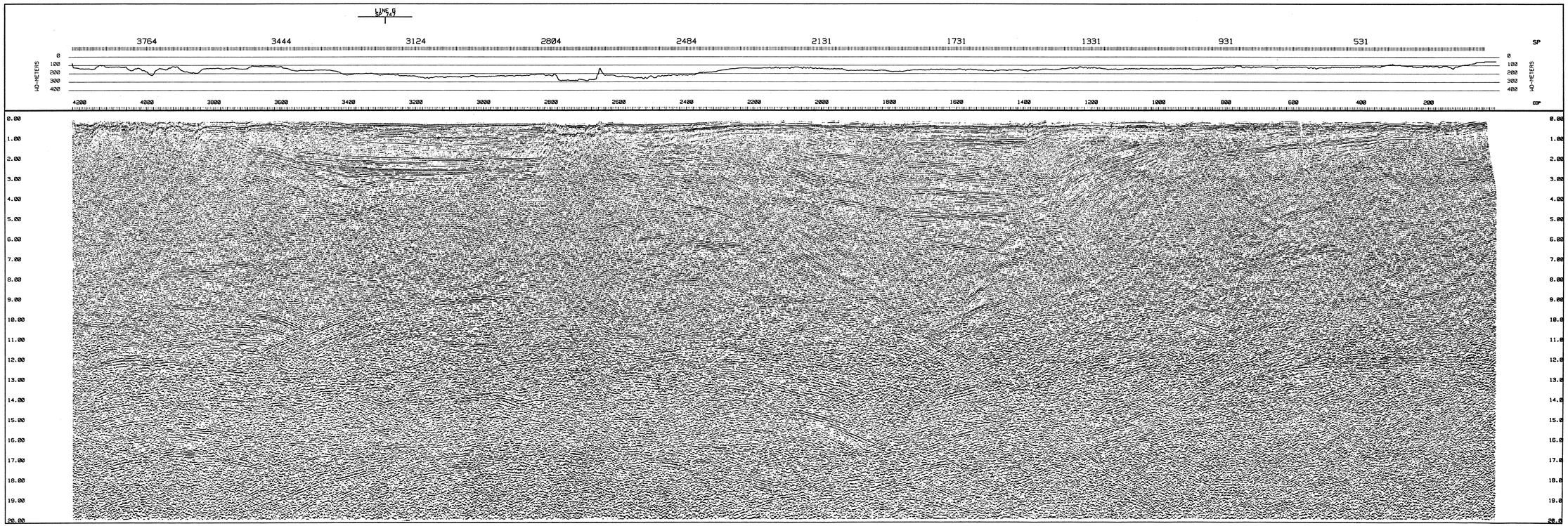
RECORDING PARAMETERS

RECORDED BY:	U.S. Geol. Survey & Geol. Survey of Canada	DATE RECORDED:	July 1986
SURVEY AREA:	Lake Superior	SURVEY NAME:	GLIMPCE
VESSEL:	M/V Callanish		
LINE NO.:	Line A	SHOTPOINT INTERVAL:	1 shot
SHOT INTERVAL:	50 meters	RECEIVER INTERVAL:	50 meters
SOURCE:	Bolt 1900C	SOURCE DEPTH:	6 meters
RECEIVER DEPTH:	8 meters		
NO. OF CHANNELS:	96	SOURCE PATTERN:	2 Bolt 1900C 80/80 in line 50 m apart
RECORD LENGTH:	20 seconds	TRACE INTERVAL:	25 meters
RECORDING:	Digital	DISPLAY:	Variable Density
FILTERS:	5 - 45 Hz	NOMINAL FOLD:	24
GAIN:	Exponential	GAIN TAPER AT:	5 sec
60 Hz NOTCH:	Out		
		FOLD:	96 ch - 2000 m 24 fold - 1200 m

SPREAD CONFIGURATION

PROCESSING SEQUENCE

1 DEMULTIPLEX
2 RECORDING GAIN REMOVAL
3 GEOMETRY DEFINITION
4 TRACE EDITING
5 RESAMPLE TO 8 MS
6 F-K FILTERING IN SHOT DOMAIN
RANGE: 4 - 45 HZ
FILTER LENGTH: 31 POINTS
FILTER WIDTH: 13 TRACES
MOVEOUT RANGE: +/- 5 MS/TRACE
7 CDP SORT 96 & 24 FOLD
(SEE PROCESSING PARAMETERS* ABOVE)
8-10 AUTOMATIC GAIN CONTROL
GATE LENGTH: 1000 MS
8,11 VELOCITY ANALYSIS
10 PRELIMINARY STACK
12 MULTIPLE SUPPRESSION IN CDP DOMAIN
CORR. VELS: 1700 M/S
APPL. GATE: 3000 MS
13 NORMAL MOVEOUT CORRECTION
14 INTERNAL MULTIPLE SUPPRESSION (MUTE)
15 PRE-STACK DECONVOLUTION
TYPE: SPIKING
16 STACK 30 & 24 FOLD
(SEE PROCESSING PARAMETERS* ABOVE)
17 BANDPASS FILTER
TIME: BANDPASS:
0 - 2000 MS 4/8 - 30/36
2000 - 6000 MS 4/8 - 25/33
10000 - 20000 MS 3/5 - 20/30
19 POST-STACK DECONVOLUTION
TYPE: END ZERO CROSS.
20 VERTICAL SUM (4 TO 1)
21 AUTOMATIC GAIN CONTROL
GATE: 2000 MS
200 POST-STACK AMPLITUDE MODULATION
250 DISPLAY
TRACES PER INCH: 100
VERTICAL SCALE: 8 INCHES / SEC
DISPLAY DATE: APRIL 15, 1988



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