PUGET SOUND SEISMIC-REFLECTION SURVEY
1987

UNITED STATES GEOLOGICAL SURVEY
PUGET SOUND
LINE: 14B
FINAL STACK

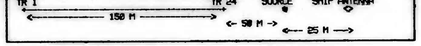
EAST

PROCESSED BY: USGS
BRANCH OF GEOLOGIC RISK ASSESSMENT
LINE 14B
BLAKE ISLAND TO ELLIOTT BAY

RECORDING PARAMETERS

RECORDED BY:	USGS	DATE RECORDED:	APRIL-1987
VESSEL:	M/V REDOUBT		
PRIMARY NAV.:	LORAN C	SECONDARY NAV.:	GPS
INSTRUMENT TYPE:	DSS-X	SAMPLE RATE:	1.0 MS
TYPE OF SOURCE:	WATER GUN	GUN OPERATING DEPTH:	3 METERS
TOTL GUN VOL.:	15. CU. INCHES		
TAPE FORMAT:	SEG-B 1600 BPI		
NO. OF CHANNELS:	24	SOURCE INTERVAL:	3.12 METERS
RECORD LENGTH:	1.0 SECONDS	TRACE INTERVAL:	6.25 METERS
RECORD FILTER:		CABLE TYPE:	24 CH TELEDYNE
LOCUT:	45 HZ		
SLOPE:	18 DB/OCTAVE		
HICUT:	256 HZ	NEAR TRACE #:	24
SLOPE:	72 DB/OCTAVE		
60 HZ NOTCH:	OUT	FOLD:	24

SPREAD CONFIGURATION:



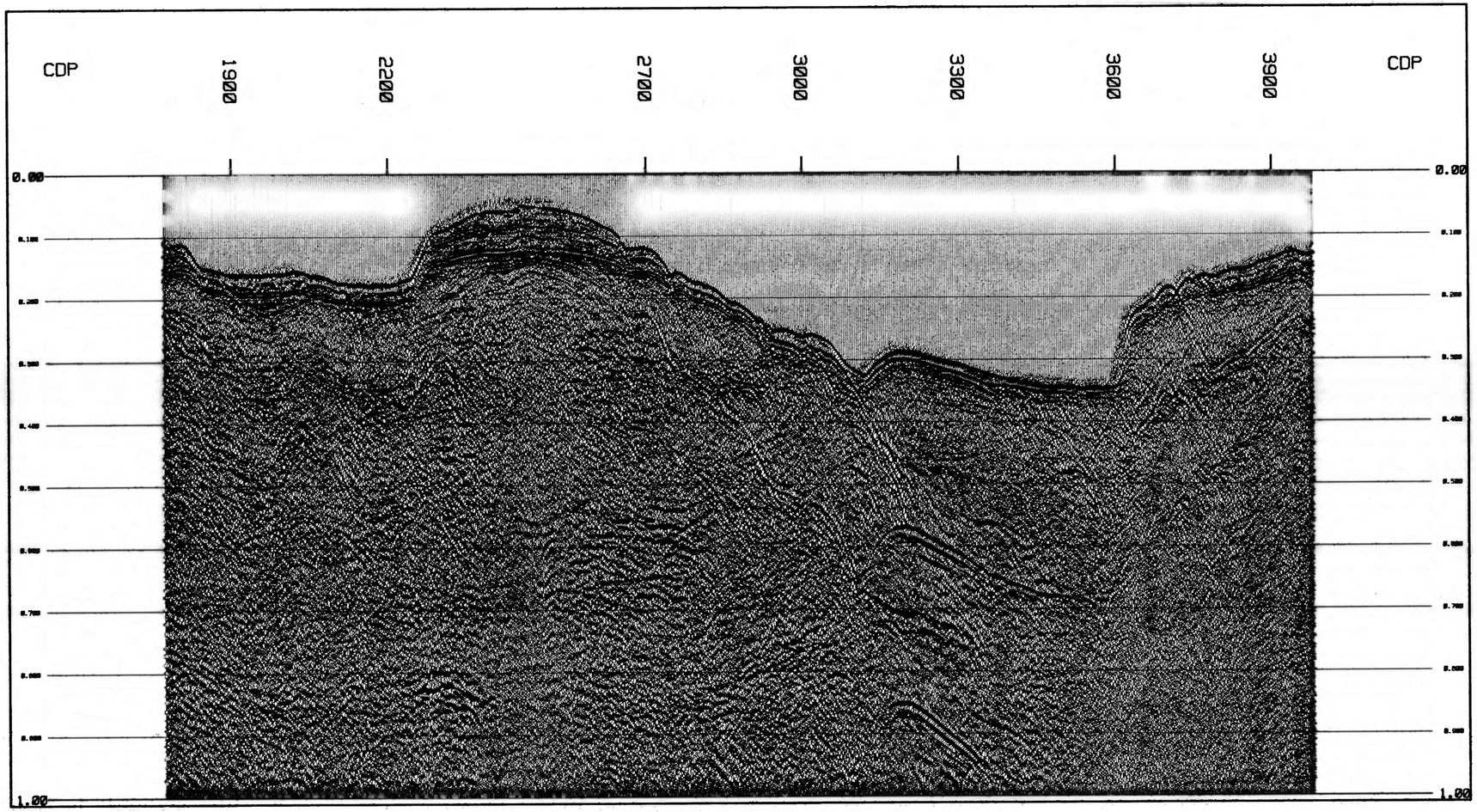
PROCESSING SEQUENCE

1 DEMULTIPLEX
2 RECORDING GAIN REMOVAL
3 GEOMETRY DEFINITION
4 TRACE EDITING
5 CDP SORT 24 FOLD
6 VELOCITY ANALYSIS
7 PRELIMINARY STACK
8 NORMAL MOVEOUT CORRECTION
9 STACK 24 FOLD
10 AGC 200 MS GATE
11 SPECTRAL WHITENING
12 SPIKING DECONVOLUTION 1/2 WATER DEPTH
13 GAP DECONVOLUTION GAP WATER DEPTH
14 MUTE AT WATER DEPTH
15 BANDPASS FILTER

TIME:	BANDPASS:
0 - 1000 MS	30/45 -180/200

16 VERTICAL STACK 3 TO 1
17 DISPLAY
TRACES PER INCH: 50
VERTICAL SCALE: 8 INCHES / SEC
DISPLAY DATE: DECEMBER, 1988

USERNAME: HARDING PLOT JOBID: 41 G: 1 C: 1 DATE: 29-DEC-88 15:32
RMS = 0.84308E+08 GAIN = 1.00000 JOB NO. 9 LINE L14
PROJECT :PUGET
POLARITY :NORMAL - POSITIVE DATA(1000MS @ 1. SAMPLES)
SECOND AVERAGE USING 4 WINDOWS OVER ENTIRE TRACE INCLUDING ZERO SAMPLES



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