

William J. Domoracki (1995)

Appendix B

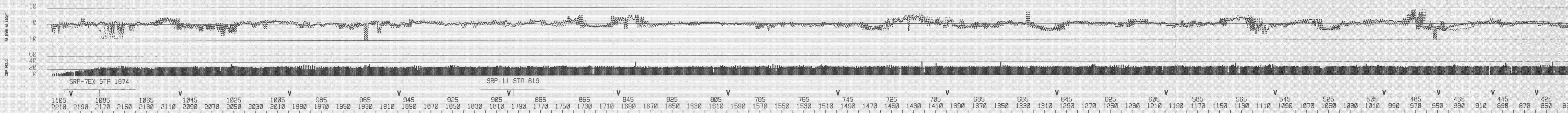
SAVANNAH RIVER SITE AIKEN, S. CAROLINA

LINE SRS-13

MIGRATED STACK

DATUM 80 METERS

N



RECORDING PARAMETERS

DATE RECORDED: NOVEMBER 1987 SOURCE ARRAY: 3x3/24 M (80 FT)
 CONTRACTOR: COMCO NO. 28V130 SHOT INTERVAL: 24.4 M (80 FT)
 GROUP INTERVAL: 12.2 M (40 FT) FRR OFFSET: 818 M (2685 FT)
 NEAR OFFSET: 42.7 M (140 FT) SAMPLE RATE: 5 HSEC
 INSTRUMENTS: MS-10 RECORD LENGTH: 14 SEC (4 SEC)
 CHANNELS: 80 RECORD FILTERS: 10 HZ @ 125 HZ
 ENERGY SOURCE: 3 X 100 15 V 10 SHEET PAPER: 30-120 HZ
 SHEET LENGTH: 18 SEC RECEIVER ARRAY: 14/15.0 M (50 FT)

SPEED CONFIGURATION:
 TR 1 TR 40 TR 40 TR 90
 618 M 43 M VP 43 M 818 M

PROCESSING SEQUENCE

DEMULTEPLEXING
 VIBROSEIS WHITENING - 1000 MS AGC
 RECORD PAD - TO 29 SEC
 XCOR W/ RECORDED SHEET (RL=19 SEC.)
 TRACE EDITS/DATUM STATICS
 50 MS BULK SHIFT APPLIED
 80 M DATUM W/ CORR. VEL. 900 M/S
 COMMON MIDPOINT SORT
 DECONVOLUTION - GAPPED
 10 MS GAP 70 MS OPERATOR
 AUTOCOR. GATE 10-1000 MS
 VELOCITY ANALYSIS - CONSTANT VEL. STKS.
 RESIDUAL STATICS - SURFACE CONSISTENT
 ITERATIVE W/ VEL. ANALYSIS
 3 ITERATIONS STATICS W/ VELOCITY
 ITER 1-2 EVERY 2ND TR 15 TR PILOT 10 SHFT
 ITER 3 EVERY TR 30 TR PILOT 6 SHFT
 NMO/MLT/250 MS AGC
 COMMON MIDPOINT STACK - 24 FOLD NOM.
 DECONVOLUTION - ZERO PHASE
 30 FT SMOOTH DESIGN & OPERATOR
 SPECTRUM SHAPE 15-20-120-130 HZ
 DESIGN GATE 0-500, 500-1000 MS
 FILTER 30-35-110-120 HZ 0-1.0 SEC
 AGC - 250 MS
 MIGRATION - FINITE DIFFERENCE
 100% STACKING VELOCITY
 DEGRATE 1 IN 9
 MIGRATE 0-1000 MS
 FILTER 30-35-110-120 HZ 0-1.0 SEC
 SIGNAL
 WINDOW: 15 TR
 INCREMENT: 5 TR
 TIME GATE: 104 MS
 DIP RANGE: 50 MS/TR
 DIGISIK 50-50 MIX WITH SIGNAL TRACE
 AGC - 250 MS

DISPLAY PARAMETERS

TRACES PER INCH: 40.0 DATE PROCESSED: MAR 1992
 INCHES PER SEC: 10.0 POLARITY: NORMAL

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

REGIONAL GEOPHYSICS LABORATORY

PROCESSED BY: W. J. DOMORACKI

