

William J. Domoracki (1995)

Appendix B

# SAVANNAH RIVER SITE AIKEN, S. CAROLINA

## LINE SRS-12

MIGRATED STACK

DATUM 80 METERS

NORTHEAST

### RECORDING PARAMETERS

DATE RECORDED : NOVEMBER 1997 SOURCE ARRAY : 305/24 M (100 FT)  
 CONTRACTOR : LOGGEO NO. 289130 SHOT INTERVAL : 24.4 M (80 FT)  
 GROUP INTERVAL : 12.2 M (40 FT) PIV OFFSET : 810 M (2650 FT)  
 NEAR OFFSET : 42.7 M (140 FT) SAMPLE RATE : 2 HSEC  
 INSTRUMENTS : MDS-10 RECORD LENGTH : 14 SEC (4 SEC)  
 CHANNELS : 96 RECORD FTL TR : 10 MS & 100 MS  
 ENERGY SOURCE : 3 MOD 15 VIB SHOOT FREQ. : 20-120 HZ  
 SHOOT LENGTH : 10 SEC RECEIVER ARRAY : 14/10.0 M (35 FT)

SPREAD CONFIGURATION  
 TR 1 TR 40 TR 40 TR 90  
 810 M 45 M VP 45 M 810 M

### PROCESSING SEQUENCE

DEMULTIPLIXING  
 VIBROSETS WHITENING - 1000 MS AGC  
 RECORD PAD - TO 20 SEC  
 XCOR W/ RECORDED SHOOT (RL=13 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/MUTE/250 MS REC  
 COMMON MIDPOINT STACK - 24 FOLD NOML  
 DECONVOLUTION - ZERO PHASE  
 30 PT SMOOTH DESIGN & OPERATOR  
 SPECTRUM SHAPE 15-20-120-130 HZ  
 DESIGN GATE 0-500 550-1000 MS  
 FILTER 30-35-110-120 HZ 0-1.0 SEC  
 REC - 250 MS  
 MIGRATION - FINITE DIFFERENCE  
 100 % STACKING VELOCITY  
 DEGRATE 1 IN 3  
 HIGRATE 0-1000 MS  
 FILTER 30-35-110-120 HZ 0-1.0 SEC  
 SIGNAL  
 WINDOW : 15 TR  
 INCREMENT : 5 TR  
 TIME GATE : 100 MS  
 DIP RANGE : +/- 30 MS/TR  
 DIGISIK 50-50 MIX WITH SIGNAL TRACE  
 REC - 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

