William J. Domoracki (1995)

Appendix B

SAVANNAH RIVER SITE
AIKEN, S. CAROLINA

LINE SRS-29

AUTOMATIC LINE DRAWING (STACK)
1:1 DISPLAY FOR VEL. 6 KM/S

DATUM 80 METERS

NORTH

RECORDING PARAMETERS

DATE RECORDED :	APRIL 1988	SOURCE ARRAY :	4X8/50 M (165 FT)
CONTRACTOR :	CONOCO NO. 28V130	SHOT INTERVAL :	33.5 M (110 FT)
GROUP INTERVAL:	33.5 M (110 FT)	FAR OFFSET :	1660 M (5445 FT)
NEAR OFFSET :	83.8 M (275 FT)	SAMPLE RATE :	2 MSEC
INSTRUMENTS :	MDS-10	RECORD LENGTH :	16 SEC (4 SEC)
CHANNELS :	96	RECORD FILTS :	30 HZ & 125 HZ
ENERGY SOURCE :	4 MOD 15 VIB	SWEEP FREQ. :	15-100 HZ
SWEEP LENGTH :	12 SEC	RECEIVER ARRAY:	28/33 M (110 FT)

SPREAD CONFIGURATION:

TR 1	TR 48	*	TR 49	TR 96
1660 M	33 M	VP	33 M	1660 M

PROCESSING SEQUENCE

DEMULTIPLEXING
VIBROSEIS WHITENING - 1000 MS AGC
RECORD PAD - TO 26 SEC
XCOR W/ RECORDED SWEEP (RL=14 SEC.)
TRACE EDITS/DATUM STATICS
    50 MS BULK SHIFT APPLIED
    80 M DATUM W/ CORR. VEL. 900 M/S
COMMON MIDPOINT SORT
RESAMPLE 4.0 MS
DECONVOLUTION - GAPPED
    10 MS GAP 70 MS OPERATOR
    AUTOCORRELATION GATES
      10-900 MS
    1200-2800 MS
    4500-6500 MS
VELOCITY ANALYSIS - CONSTANT VEL. STKS.
RESIDUAL STATICS - SURFACE CONSISTENT
    ITERATIVE W/ VEL. ANALYSIS
    3 ITERATIONS STATICS W/ VELOCITY
NMO/BP 8-15-100-120 0-14 S/MUTE/250 MS AGC
COMMON MIDPOINT STACK - 24 FOLD NOM.
DECONVOLUTION - GAPPED
    10 MS GAP 70 MS OPERATOR
    AUTOCORRELATION GATES
      10-900 MS
    1200-2800 MS
    4500-6500 MS
TIME VARIANT FILTER
    25-30-100-120 0-1000 MS
    20-25- 95-100 1600 MS
    15-20- 85- 90 4000 MS
     8-15- 80- 85 7000 MS
     8-15- 60- 65 11000 MS
     8-15- 30- 35 14000 MS
GAIN - 20 DB UNDER SEDIMENTS
AGC - 1000 MS
SIGNAL
    WINDOW : 21 TR
    INCREMENT : 1 TR
    TIME GATE : 200 MS
    DIP RANGE : +/- 100 MS/TR
1000 MS AGC/LINE DRAWING/1000 MS AGC

DISPLAY PARAMETERS

TRACES PER INCH:	128.9	DATE PROCESSED:	JAN 1992
INCHES PER SEC:	1.39	POLARITY:	NORMAL

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

REGIONAL GEOPHYSICS LABORATORY

PROCESSED BY: W.J. DOMORACKI