SAVANNAH RIVER SITE
AIKEN, S. CAROLINA

LINE SRS-2

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

DATUM 80 METERS

NORTH

RECORDING PARAMETERS

DATE RECORDED :	OCTOBER 1987	SOURCE ARRAY :	3X6/24 M (80 FT)
CONTRACTOR :	CONOCO NO. 28V130	SHOT INTERVAL :	24.4 M (80 FT)
GROUP INTERVAL:	12.2 M (40 FT)	FAR OFFSET :	616 M (2020 FT)
NEAR OFFSET :	42.7 M (140 FT)	SAMPLE RATE :	2 MSEC
INSTRUMENTS :	MDS-10	RECORD LENGTH :	14 SEC (4 SEC)
CHANNELS :	96	RECORD FILTS :	18 HZ & 125 HZ
ENERGY SOURCE :	3 MOD 15 VIB	SWEEP FREQ. :	20-120 HZ
SWEEP LENGTH :	10 SEC	RECEIVER ARRAY:	14/16.8 M (55 FT)

SPREAD CONFIGURATION:

TR 1 ——— TR 48 * TR 49 ——— TR 96
616 M 43 M VP 43 M 616 M

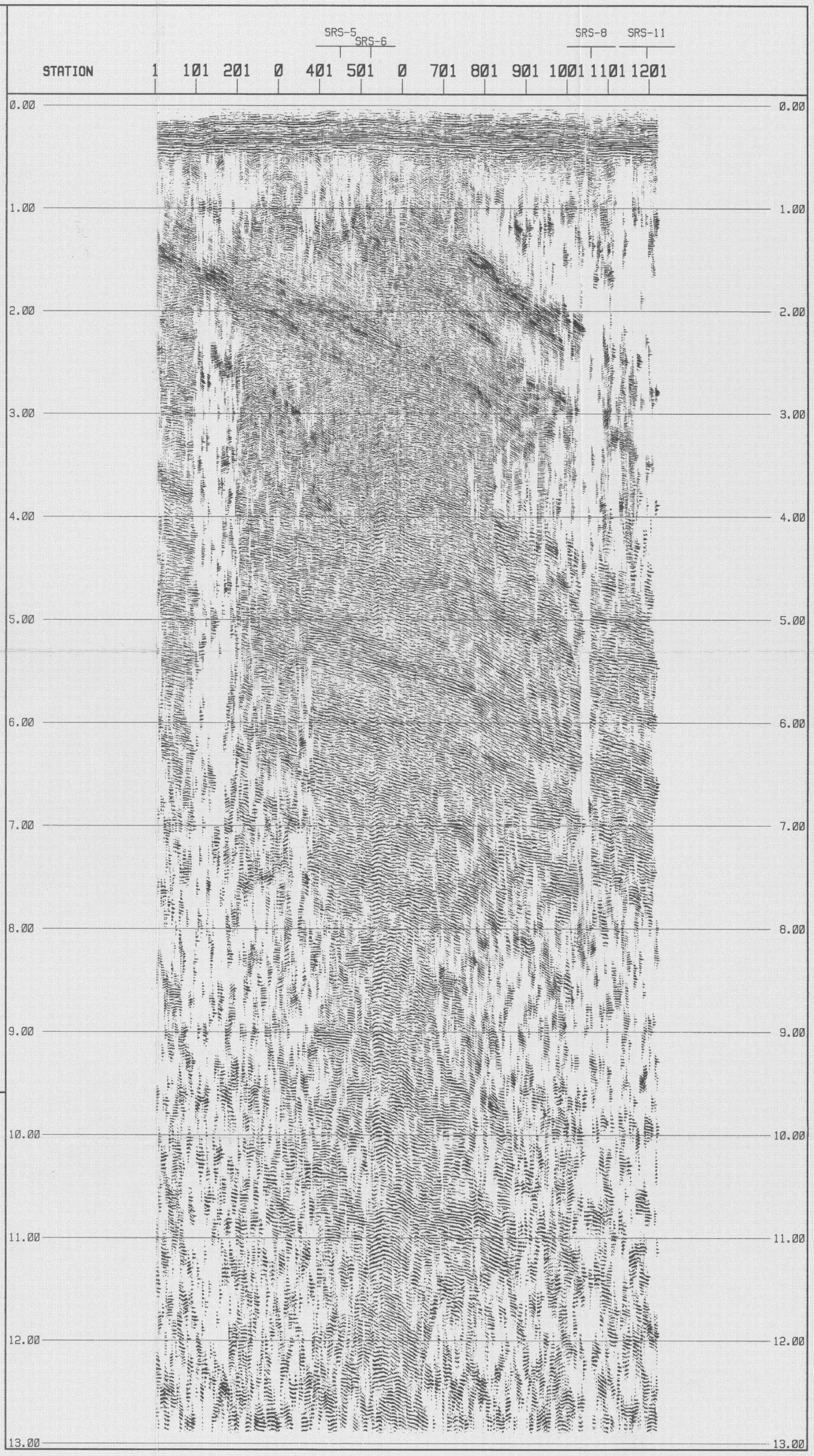
PROCESSING SEQUENCE

DEMULTIPLEXING
VIBROSEIS WHITENING - 1000 MS AGC
RECORD PAD - TO 23 SEC
XCOR W/ RECORDED SWEEP (RL=13 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 10-20-114-124 0-13 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
  30-35-110-120 0-550 MS
  25-30- 95-105 2000 MS
  15-20- 70- 75 4000 MS
  15-20- 65- 70 5500 MS
  15-20- 45- 50 7000 MS
  15-20- 40- 45 13000 MS
GAIN - 20 DB UNDER SEDIMENTS
AGC - 1000 MS
SIGNAL
  WINDOW : 21 TR
  INCREMENT : 1 TR
  TIME GATE : 200 MS
  DIP RANGE : +/- 43 MS/TR
1000 MS AGC/LINE DRAWING/1000 MS AGC

DISPLAY PARAMETERS

TRACES PER INCH: 180.0 DATE PROCESSED: JAN 1992
INCHES PER SEC: 1.39 POLARITY: NORMAL
DISPLAY EVERY 2ND TRACE

VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

REGIONAL GEOPHYSICS LABORATORY

PROCESSED BY: AKS/ W.J. DOMORACKI