

LINE 21A

S.P. 1 TO 948

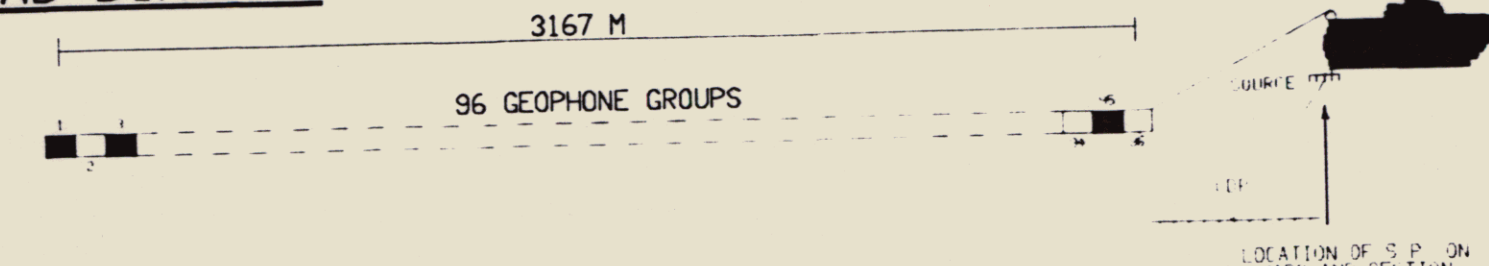
BUREAU OF MINERAL RESOURCES  
OTWAY BASIN  
SYDNEY PROCESSING CENTRE

STK/TVF/TVS

#### FIELD DATA

DATA SHOT BY: CSI PARTY 2993 M.V. LADY VILMA  
DATE SHOT: APRIL 1982  
RECORDING INSTRUMENTS: DCS V  
RECORDING FILTERS: HIGH FILTER AND SLOPE: 128 HZ  $\pm$  75 DB/OCTAVE  
LOW FILTER AND SLOPE: 8 HZ  $\pm$  18 DB/OCTAVE  
RECORDING POLARITY: A POSITIVE PRESSURE AT THE HYDROPHONE PRODUCES A NEGATIVE NUMBER ON TAPE AND A DOWNWARD DEFLECTION ON THE FIELD MONITOR RECORD  
DIGITAL TAPE FORMAT: SEC 8 1600 DPI PHASE ENCODED  
RECORD LENGTH / SAMPLE RATE: UP TO 9.0 SECONDS AT 2 MILLISECOND SAMPLE RATE  
ENERGY SOURCE: 65.5 LITRE AIRGUN ARRAY OPERATING AT 13.8 HPA  
GUN DELAY: 51.2 MILLISECONDS  
SOURCE DEPTH: 6.4 METRES AVERAGE  
SOURCE TO ANTENNA DISTANCE: 62.7 METRES  
SHOTPOINT INTERVAL: 33.3 METRES, 1 POP PER SHOTPOINT  
SHOTPOINT ANNOTATION: SHOTPOINTS ANNOTATED AT SOURCE POSITION  
CABLE LENGTH: 3200 METRES, 96 GROUPS  
CABLE DEPTH: 11.5 METRES AVERAGE  
HYDROPHONES: 20 PER GROUP  
COVERAGE: 48 FOLD, 96 TRACE  
PRIMARY NAVIGATION SYSTEM: MAXIRAN  
BACKUP NAVIGATION SYSTEM: GEONAV

#### SPREAD DIAGRAM



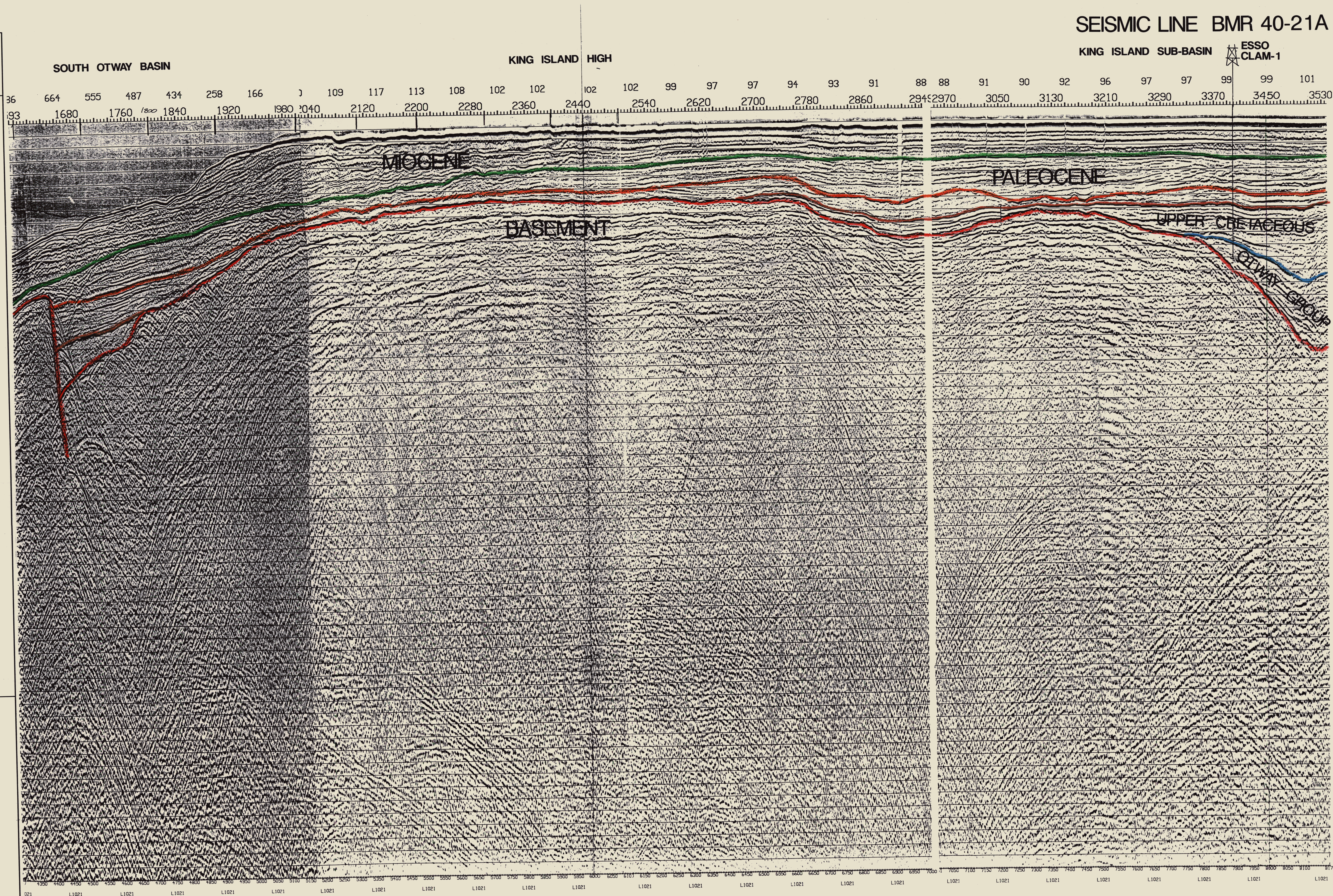
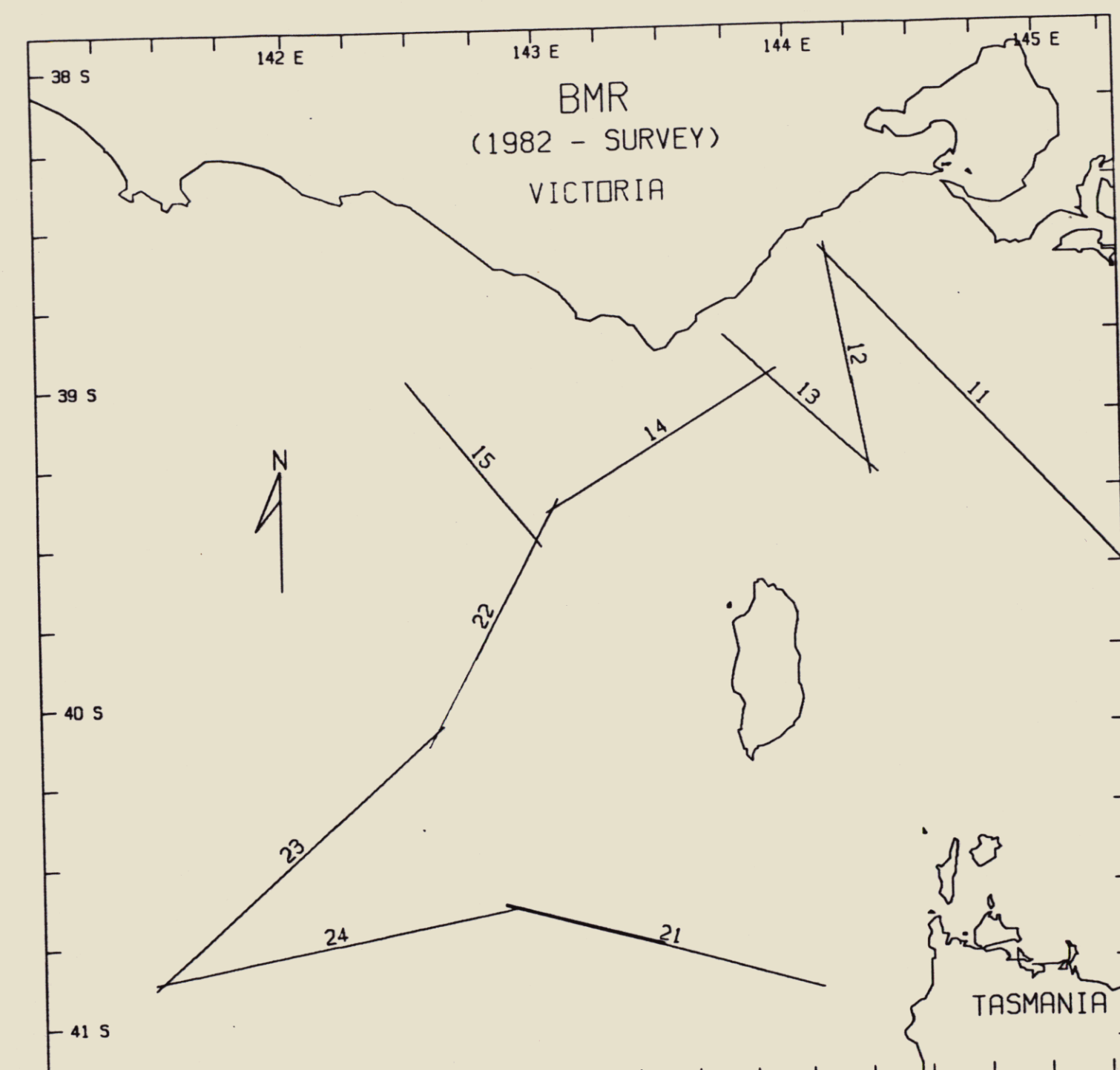
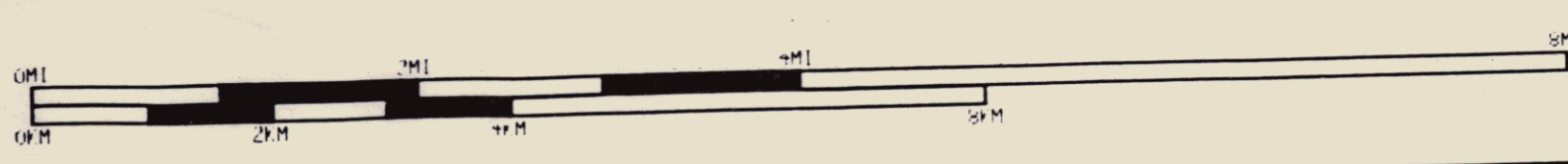
#### DIGITAL PROCESSING

POLARITY CONVENTION: THE POLARITY OF THE FIELD RECORDING WAS MAINTAINED THROUGHOUT THE PROCESSING AND DISPLAY  
PROCESSING RECORD LENGTH: 9.0 SECONDS  
IRREGULAR SHOT MOVEUP: ACCOUNTED FOR IN PROCESSING  
RESAMPLE: MINIMUM PHASE RESAMPLE FROM 2 TO 4 MSEC  
PROCESSING SAMPLE PERIOD: 4 MILLISECONDS  
STATIC CORRECTIONS: SHOT AND STREAMER STATIC: 11 MILLISECONDS  
TRUE AMPLITUDE RECOVERY: AIRGUN DELAY: 51.2 MILLISECONDS  
PRE DECONVOLUTION MUTE: 7.0 DB PER SECOND FROM 0 TO 4.0 SECONDS  
LINEAR: SPHERICAL DIVERGENCE CORRECTIONS APPLIED  
HYPERBOLIC DESIGNATURE - VERSION 4: RAMP LENGTH: 100 MSEC  
VELOCITY ANALYSIS: OFFSETS(METRES): 330, 630, 1262, 3500  
START TIMES(MSEC): 0, 600, 1100, 2900  
STARTING AT (CUB-300) MSEC  
NORMAL MOVEOUT CORRECTION: STANDARD MARINE WAVELET  
PRE STACK SCALING: USING 9 DEPTH POINT VELOCITY ANALYSES  
FIRST BREAK SUPPRESSION: LOCATED ACCORDING TO CLIENT SPECIFICATIONS  
SPATIALLY VARIANT: FASTDGS APPLIED(32 MSEC GATES)  
COMMON DEPTH POINT STACK: RAMP LENGTH: 100 MSEC  
POST STACK MUTE: OFFSETS(METRES): 330, 729, 730, 3530  
TIME VARIANT FILTERING: 2243-2983, 3103-4102  
TIME VARIANT SCALING: 6 FOLD TO (CUB-1500) MSEC BETWEEN COP  
APPLIED DOWN TO WATER-BOTTOM  
F (HZ): 10, 20, 30, 5500  
T (MSEC): 8, 30, 5500  
REGULAR 3500 TO 10000 MSEC GATES STARTING AT  
CUB-100 MSEC(GATES TO TMAX)

#### DISPLAY

378 TR/CM  
HORIZONTAL SCALE: 96.0 TR/IN  
VERTICAL SCALE: 10.0 CM / SEC  
POLARITY: NORMAL  
TRACE TYPE: UTVAR 15.0 PERCENT  
DATUM: SEA LEVEL  
DISPLAY UNIT: 0.822573 CM

| DISPLAY GAIN |      |
|--------------|------|
| AMP          | ALL  |
| DB           | TIME |
| AT 0         | 2000 |



X LINES  
SP

STK/TVF/TVS

TIME IN SECONDS

LINE 21A  
S.P. 2950 TO 3543

BUREAU OF MINERAL RESOURCES  
OTWAY BASIN  
SYDNEY PROCESSING CENTRE



TASMANIA DEVELOPMENT AND RESOURCES

WEST COAST TASMANIA  
HYDROCARBON PROSPECTIVITY REPORT

**King Island Sub-basin  
Seismic Line BMR 40-21A**

GEOLOGY MODIFIED  
FROM MOORE (1991)

ENCLOSURE: 11