



Data Management Plan

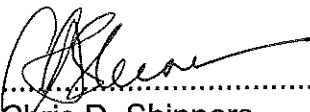
| | |
|------------------|---|
| Activity: | G01A (Northern Fields) 3D Seismic Survey |
| Licences: | VIC 1-L to 6-L, 9-L to 11-L, 18-L to 20-L, 1-R, 2-R, 4-R |
| Holders: | Esso Australia Resources Pty Ltd (*company responsible for data) BHP Billiton Petroleum (Bass Strait) Pty Ltd |

This Data Management Plan (DMP) relates to Regulation 37 (Transitional arrangements) of the Petroleum (Submerged Lands) (Data Management) Regulations 2004, and covers submission of documentary information generated from the G01A (Northern Fields) 3D Seismic Survey. Whilst field acquisition activities for this survey were completed prior to the Data Management Regulations coming into effect, not all documentary information relating to the processing of the survey data had been given to the Designated Authority prior to the commencement of the Regulations, necessitating this DMP.

DMP Commencement Date: 4th June, 2004 *(backdated to commencement of Regulations)*

DMP Expiry Date: 31st December, 2005

Signed for and behalf of
Esso Australia Resources Pty Ltd,
BHP Billiton Petroleum (Bass Strait) Pty Ltd,

Per: 
 Chris D. Shinnars
 Manager, Safety, Regulatory & OIMS

Date: / /

Version: 1.0

Designated Authority acceptance:

1010

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0103

1. Location/Description of Title / Activity area

The following general location information is applicable to **VIC 1-L to 6-L, 9-L to 11-L, 18-L to 20-L, 1-R, 2-R, 4-R (Regulation 12)**:

STATE: Victoria

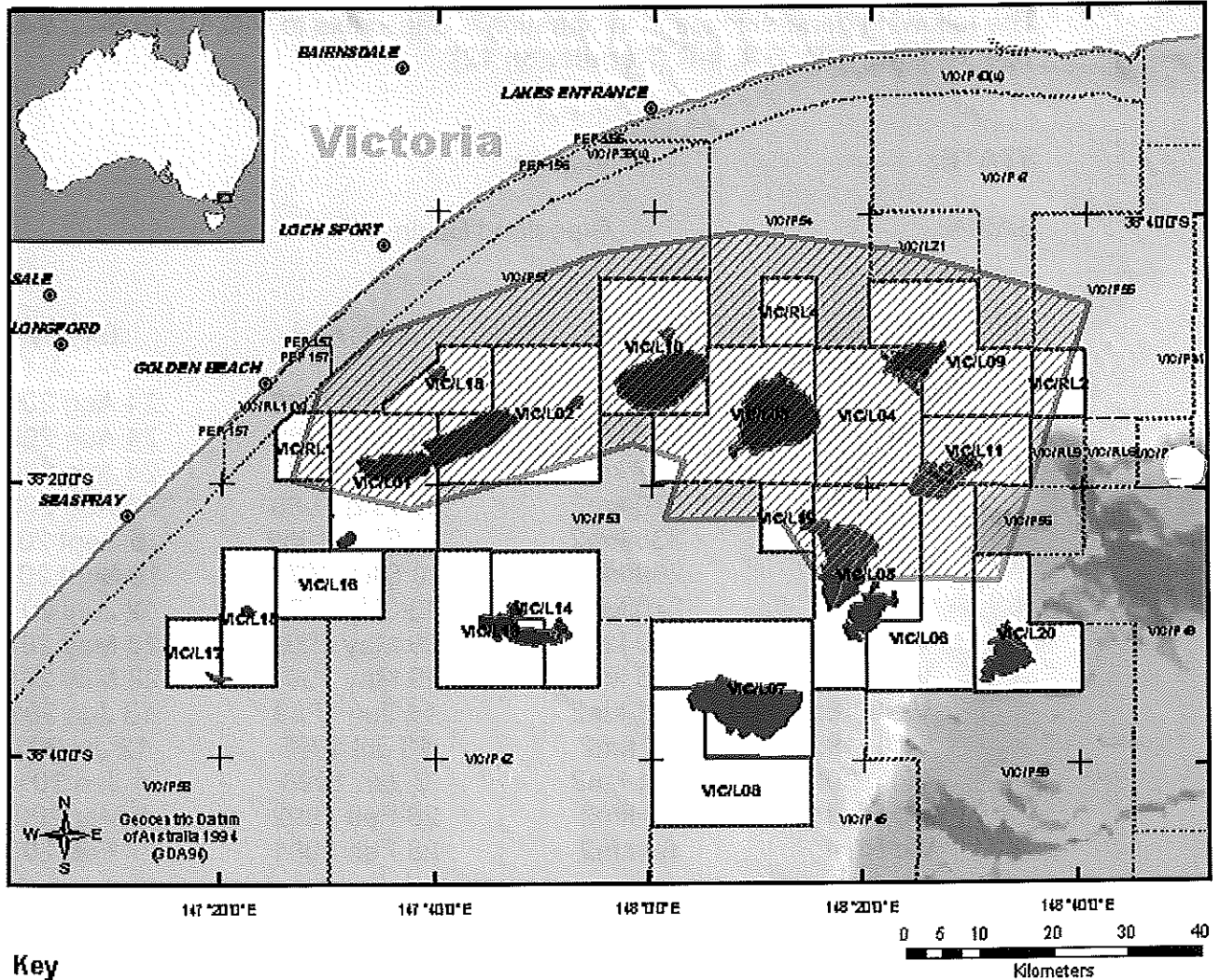
BASIN: Gippsland Basin

| License / Permit | Area | Awarded | Expiry |
|------------------|---------------------|--------------|--------------|
| Vic L 1: | 269 km ² | 25 Aug 1988 | 24 Aug 2009 |
| Vic L 2: | 337 km ² | 25 Aug 1988 | 24 Aug 2009 |
| Vic L 3: | 337 km ² | 25 Aug 1988 | 24 Aug 2009 |
| Vic L 4: | 270 km ² | 25 Aug 1988 | 24 Aug 2009 |
| Vic L 5: | 336 km ² | 20 Sept 1989 | 19 Sept 2010 |
| Vic L 6: | 269 km ² | 20 Sept 1989 | 19 Sept 2010 |
| Vic L 9: | 270 km ² | 13 July 1995 | 12 July 2016 |
| Vic L 10: | 270 km ² | 29 May 1997 | 28 May 2018 |
| Vic L 11: | 135 km ² | 29 May 1997 | 28 May 2018 |
| Vic L 18: | 101 km ² | 14 Jun 1989 | 13 Jun 2010 |
| Vic L 19: | 67 km ² | 13 Jul 1995 | 12 Jul 2016 |
| Vic L 20: | 201 km ² | 2 Jan 1998 | 1 Jan 2019 |
| Vic RL 1: | 64 km ² | 26 Feb 1992 | 6 Mar 2005 |
| Vic RL 4: | 68 km ² | 28 Feb 2001 | 27 Feb 2006 |






OPERATOR: Esso Australia Resources Pty Ltd. ("**Esso**")
ACN 091 829 819
12 Riverside Quay, Southbank, Victoria 3006

ACT: *Petroleum (Submerged Lands) Act 1967 (Cth)*

1. Location/Description of Title/Activity area (continued)



Key

-  G01A ("Northern Fields") 3D Seismic Survey coverage
-  Producing Gas Field
-  Producing Oil Field
-  Esso Operated Licenses / Leases
-  Non Esso Interest Permits / Licenses / Leases

Specific Requirements of DMP per Schedule 1

| Item | Regulatory Provisions | Application to this DMP |
|------|---|---|
| 101 | Description of: a. each activity to which DMP relates; b. each location where activity will be carried out. | This Data Management Plan (DMP) relates to Regulation 37 (Transitional arrangements) of the Petroleum (Submerged Lands) (Data Management) Regulations 2004, and covers submission of documentary information generated from the G01A (Northern Fields) 3D Seismic Survey (Gippsland Basin, Victoria). Whilst field acquisition activities for this survey were completed prior to the Data Management Regulations coming into effect, not all documentary information relating to the processing and interpretation of the survey data had been given to the Designated Authority prior to the commencement of the Regulations, necessitating this DMP. |
| 102 | Description of reports & information, relevant to the activity, that will be made and kept. | As detailed throughout this document, relating to the specific activity. |
| 103 | Explanation of: a. data to be given to the Designated Authority without request by the Designated Authority; b. information to be kept. | a. Data to be submitted -refer to body of document, as pertinent to the associated activity. b. Data withheld – refer to body of document, as pertinent to the associated activity. |
| 104 | Description of media and formats for information, cores, cuttings or samples held. | The information and reports will be submitted in the format and on the media outlined in within the body of the document, as pertinent to the associated activity. |
| 105 | Explanation of how media and formats in item 104: a. are appropriate for type & volume of data collected; b. comply with Designated Authority requirements; c. comply with good industry practice. | Data medias and formats are described within the body of the document and in general , comply with the Guidelines for data submission (the Guidelines) in respect of the <i>Petroleum (Submerged Lands) (Data Management) Regulations 2004 (Cth)</i> (the Regulations). However, given the survey was acquired prior to commencement of the regulations, data was prepared in accordance with the PSLA reporting schedules that were subsequently superseded by the Regulations, and hence may differ in minor ways from the guidelines |
| 106 | Undertake to allow access to data that is publicly available and explain how access will be allowed | Esso acknowledges that, upon written notification by the Designated Authority, it will allow reasonable access to any publicly available information or samples under its control. |
| 107 | Describe arrangements that ensure information is preserved according to good archive practice. | Data and Samples will be managed consistent with holders "Records Management Guidelines" This includes ensuring preservation via contracts with Offsite Storage Providers, and an Esso Information Centre Database containing an abstract of this information Esso's Offsite Storage Provider is contractually obliged to ensure that all digital media is stored in accordance with the following environmental conditions: Temperature: 20°C, +/- 3°C Humidity: 50%, +/- 10% |

2. Specific Requirements of DMP per Schedule 1 (continued)

| Item | Regulatory Provisions | Application to this DMP |
|------|--|---|
| 108 | Issue a statement that reports & information will be given according to: a. the timetable outlined in Part 2 of the Schedule; or b. a timetable proposed in the DMP. | The timing of submission of data that will be made/collected during the period of the DMP is outlined within the body of the document, as pertinent to the associated activity. |
| 109 | Summary of: a. data management performance objectives against which performance will be measured; & b. measurement criteria that define the objectives. | Data and reports will be submitted on time and in accordance with Guidelines (see item 105). Archival and Environment conditions will comply with the Guidelines (see item 105). |
| 110 | Explain how the measurement criteria will confirm that the performance objectives have been met. | Submissions timetable will be monitored and managed in-house via the ExxonMobil Safety, Regulatory and OIMS ("SRO") Regulatory Deadlines Database. Storage handling conditions will be controlled via contracts for data services. |
| 111 | Summary of arrangements for: a. secure storage of documents and records at a nominated address b. maintenance of documents and records in a way that makes retrieval of documents etc practicable. | Prior to being submitted to the Designated Authority as per timetables below, information and reports will be stored in a secure data storage room either at: Esso Australia Resources Pty Ltd, 12 Riverside Quay, Southbank Melbourne, VIC 3006, Or, in the case of physical samples and digital tapes, at: Ausdoc Information Management Kestrel Information Management 582-600 Somerville Rd, Sunshine, Victoria The storage of data will meet the ExxonMobil Document Retention Guidelines which address archiving requirements. It is noted that ExxonMobil requirements are in general agreement with recommendations made to the Australian Archives. Esso's Offsite Storage Provider is contractually obliged to ensure : <ul style="list-style-type: none"> • that data is stored in approved storage containers, • that storage areas are protected against unauthorised access, and are equipped with smoke detection devices and fire extinguishers, and, • that all digital media is stored in accordance with the following environmental conditions: Temperature: 20°C, +/- 3°C Humidity: 50%, +/- 10% |
| 112 | Acknowledge responsibility for collection, storage, and submission of information, cores, cuttings & samples obtained until all have been submitted to the Designated Authority. | The Operator acknowledges responsibility for collection, storage, and submission of information, cores, cuttings & samples obtained until all have been submitted to the Designated Authority. |
| 113 | Any other information that is necessary to demonstrate that the DMP complies with the Regulations. | As required, for specific instances. |

0107

3. Activity Reporting Requirements: 3D Seismic Survey

General Information (Regulation 12)

The following information is applicable to the activity:

| | | | |
|---|-----|---|---|
| a | i | Location of the activity. | State: Victoria Basin: Gippsland Basin refer to map and licence information above, and Survey Application. |
| | ii | Period of the activity. | See Survey Application. |
| b | | Persons undertaking activity. | See Survey Application. |
| c | i | The techniques and equipment used to collect the data. | See Survey Application |
| | ii | The techniques and equipment used to process the data. | See Survey Application. |
| | iii | The techniques and equipment used to interpret the data. | See Survey Application. |
| d | | Progress reports. | Not applicable to this DMP – Field acquisition operations and associated reporting completed prior to commencement of regulations. |
| e | | Data acquisition report detailing the operations carried out as part of the activity. | Data acquisition report. |
| f | | If processing is undertaken as part of the activity - a data processing report. | Data processing report. |
| g | | If interpretation is undertaken as part of the activity - the interpretation, including maps. | Interpretation report Maps. |

Written Information and Documentation (Regulation 14)

The following written information and documents about each survey will be prepared as part of the survey, as appropriate/applicable:

| | Description |
|---|--|
| A | field and processed digital survey data |
| B | a report describing the acquisition and processing of the data |
| C | navigation data |
| D | Interpretation report |

Reporting – Weekly Progress reports (Schedule 1, Part 2, item 202)

Not applicable to this DMP (– Field acquisition operations and associated reporting completed prior to commencement of regulations).

4. Data Submission and Reporting Tables, 3D Seismic Survey

3D Seismic Survey – acquisition and processing data plan

| Data to be submitted | Copies required by | | Format | Data due, / submitted date | Remarks |
|--|---------------------------|-----------------------------------|--------------------|---|---|
| | State/Territory | Commonwealth + | | | |
| Navigation data including field processed data | 1 copy on 3590 tape(s) | | UKOOA | Submitted: August 23 rd , 2004 | To be provided in P1/90 including elevation and bathymetry data. |
| Seismic field data | Transfer Proposal | DA to supply archive address | SEG | Submitted: August 11 th , 2005 | Approval to defer submission to this data received from DA (via email from G. Torr, dated 30 July 2004) |
| Seismic support data | CD | - | PDF | Submitted: August 23 rd , 2004 | Observer's logs |
| Itemized field tape listing | Floppy Diskette | Yes | ASCII | Submitted: August 23 rd , 2004 | Showing tape number, survey name, line number, shotpoint range, data type |
| Raw stacked data | 1 copy on 3590 tape(s) | DA to forward to relevant archive | SEG Y on 3590 tape | Submitted: August 23 rd , 2004 | If generated as part of the processing sequence, including EBCDIC header. |
| Raw and final migrated data | 1 copy on 3590 tape(s) | DA to forward to relevant archive | SEG Y | Submitted: August 23 rd , 2004 | Including EBCDIC header |
| Final processed grid (bin) coordinates | 1 copy on Exabyte | | UKOOA P6/98 | Submitted: August 23 rd , 2004 | |
| Polygonal position data | 1 copy on floppy diskette | | ASCII | Submitted: August 23 rd , 2004 | |
| 3D velocity data | 1 copy on CD | DA to forward to relevant archive | ASCII | Submitted: August 23 rd , 2004 | Including bin number, time vs RMS pairs for stacking and migrated velocities. |
| Itemised process tape listing | 1 copy on CD | | ASCII | Submitted: August 23 rd , 2004 | Showing tape number, survey name, line number, crossline range, data type |
| Final report – Basic data including Operations Navigation Processing | 1 copy on CD | | | Submitted: August 23 rd , 2004 | Report(s) submitted on August 23 rd , 2004, were in Word format. |
| Final report – Derived data / Interpretation | 1 copy | | PDF | To be submitted by: December 31 st , 2005 | PDF Versions to be submitted by Dec 31 st , 2005 |
| | | | | | For selected key representative surfaces / horizons over entire survey area <ul style="list-style-type: none"> • TWT • Type Seismic line with interpretation marked Summary descriptive report relating to products |

* Transfer Proposal for the Field Tapes to be sent to the Designated Authority for approval to submit.

0108

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