

SYMBOLS

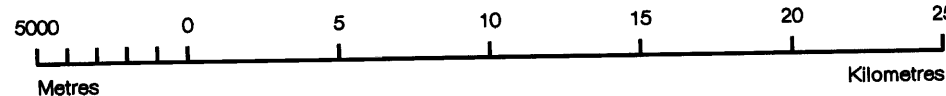
- | | | | |
|---|--------------------------|-----------|--|
| ⬢ | Abandoned well, dry | — — — — — | 200m isobath |
| ⬢ | Abandoned well, gas show | -3605 | Depth to mapped horizon, metres |
| ⬢ | Suspended well, gas | DNR | Did not reach mapped horizon (where interpreted) |
| ⬢ | Change in mapped horizon | H, L | Structural high, structural low |
| ⬢ | Fault | | |

OXFORDIAN UNCONFORMITY / UPPER TITHONIAN
(lower *W. spectabilis*) (O. *montgomeryi*)

STRUCTURE - Seismic Time

Contour Interval 50 ms TWT
Datum - MSL

SCALE 1 : 250 000



INDEX TO ADJOINING SHEETS

	WILCOX SE 50-13	RANNOCK BANK SE 50-14
	BARROW ISLAND SF 50-01	DAMPIER SF 50-02
JURASH POINT SF 49-08	ONSLOW SF 50-05	YARRALLOOLA SF 50-06



PIETRO GU
DIRECTOR, GEOLOGICAL SURVEY
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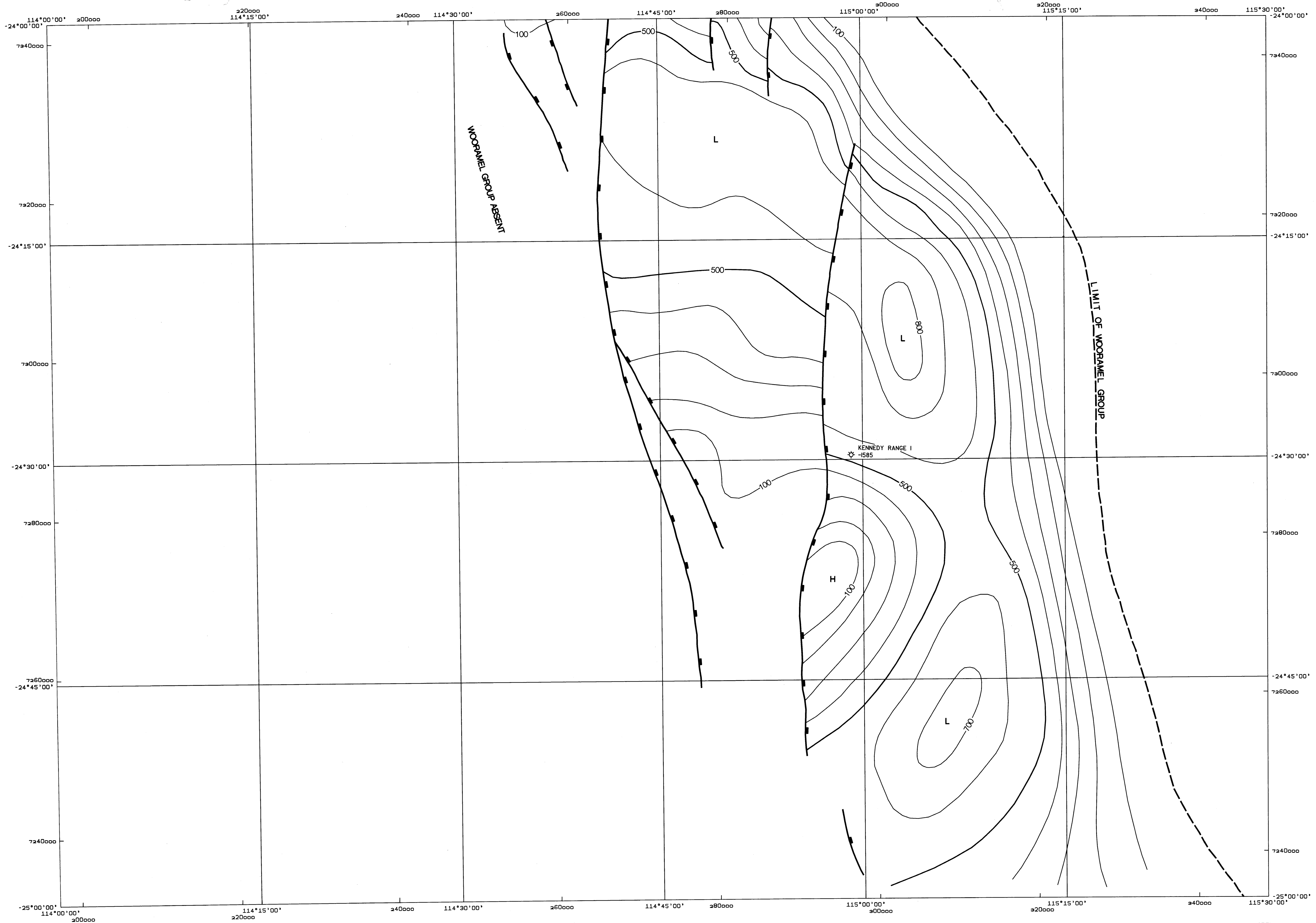


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D.R. KELLY, DIRECTOR GENERAL

1 : 250 000 SUBSURFACE COMPILATION SERIES

BARROW ISLAND
SF 50-01

AUSTRALIAN MAP GRID ZONE 50



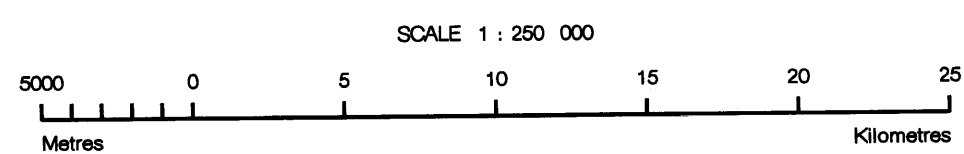
SYMBOLS

- Abandoned well, gas show
- H, L** Structural high, structural low
- Normal fault
- 1585** Depth to mapped horizon, metres (where interpreted)

LOWER PERMIAN
(Top Wooramel Group)

STRUCTURE - Seismic Time

Contour Interval 100 ms TWT
Datum - MSL



INDEX TO ADJOINING SHEETS

MINILYA SF 48-18	WINNING POOL SF 50-13	EDMUND SF 50-14
QUOBBA SG 49-04	KENNEDY RANGE SG 50-01	MT PHILLIPS SG 50-02
SHARK BAY SG 48-08	WOORAMEL SG 50-05	GLENBURGH SG 50-06



PIETRO GIU
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OF WESTERN AUSTRALIA

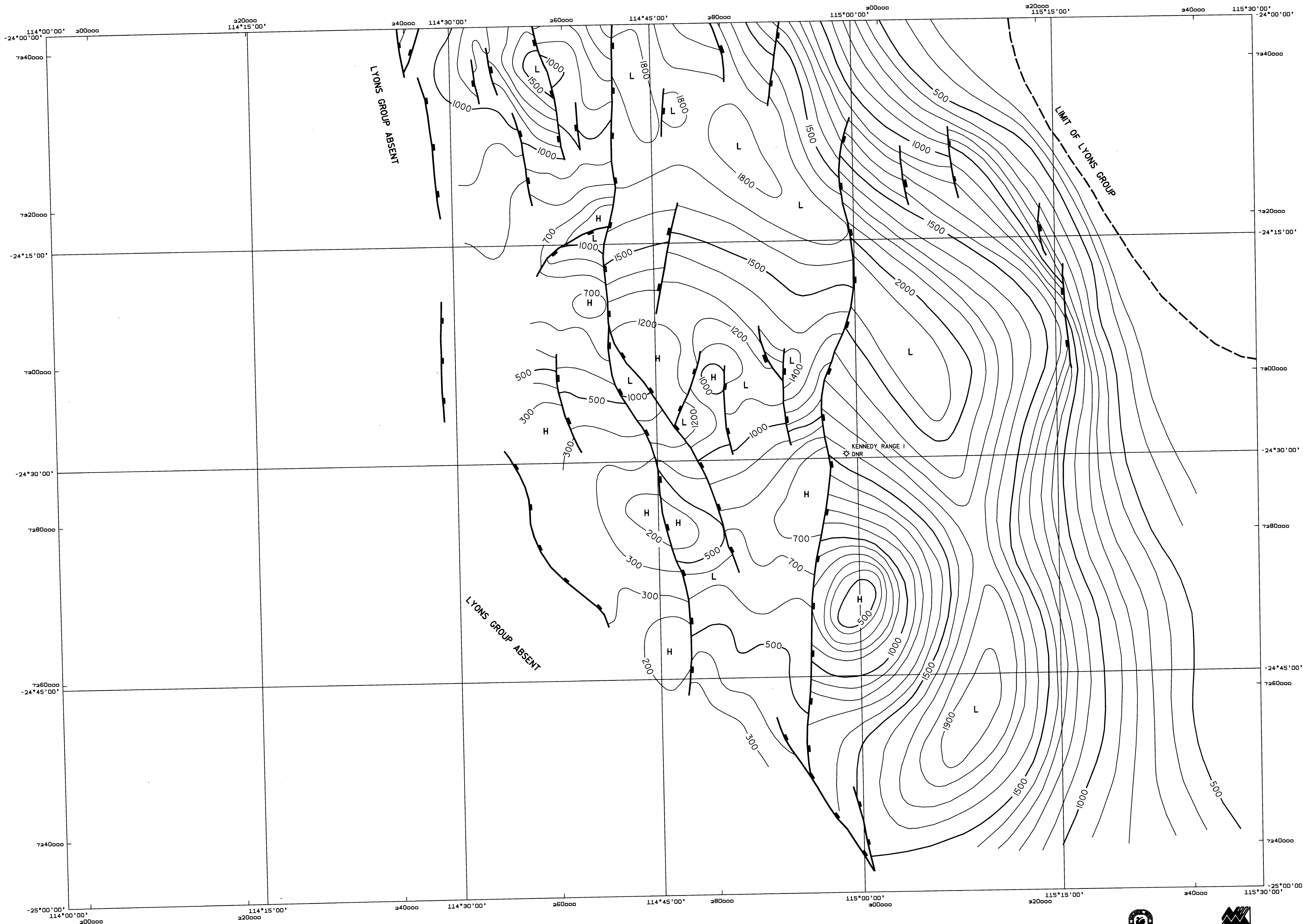


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KENNEDY RANGE
SG 50-01

AUSTRALIAN MAP GRID ZONE 50



SYMBOLS

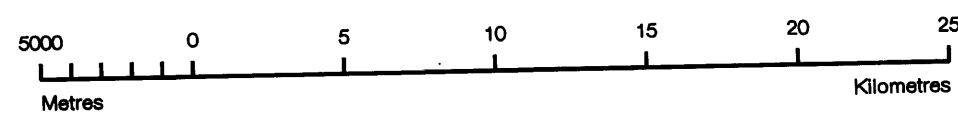
- ✱ Abandoned well, gas shows
- DNR Did not reach mapped horizon
- H, L Structural high, structural low
- Normal fault

TOP CARBONIFEROUS (Base Lyons Group)

STRUCTURE - Seismic Time

Contour Interval 100 ms TWT
Datum - MSL

SCALE 1 : 250 000



INDEX TO ADJOINING SHEETS

MINILYA SF 49-16	WINNING POOL SF 50-13	EDMUND SF 50-14
QUOBBA SG 49-04	KENNEDY RANGE SG 50-01	MT PHILLIPS SG 50-02
SHARK BAY SG 49-08	WOORAMEL SG 50-05	GLENBURGH SG 50-06



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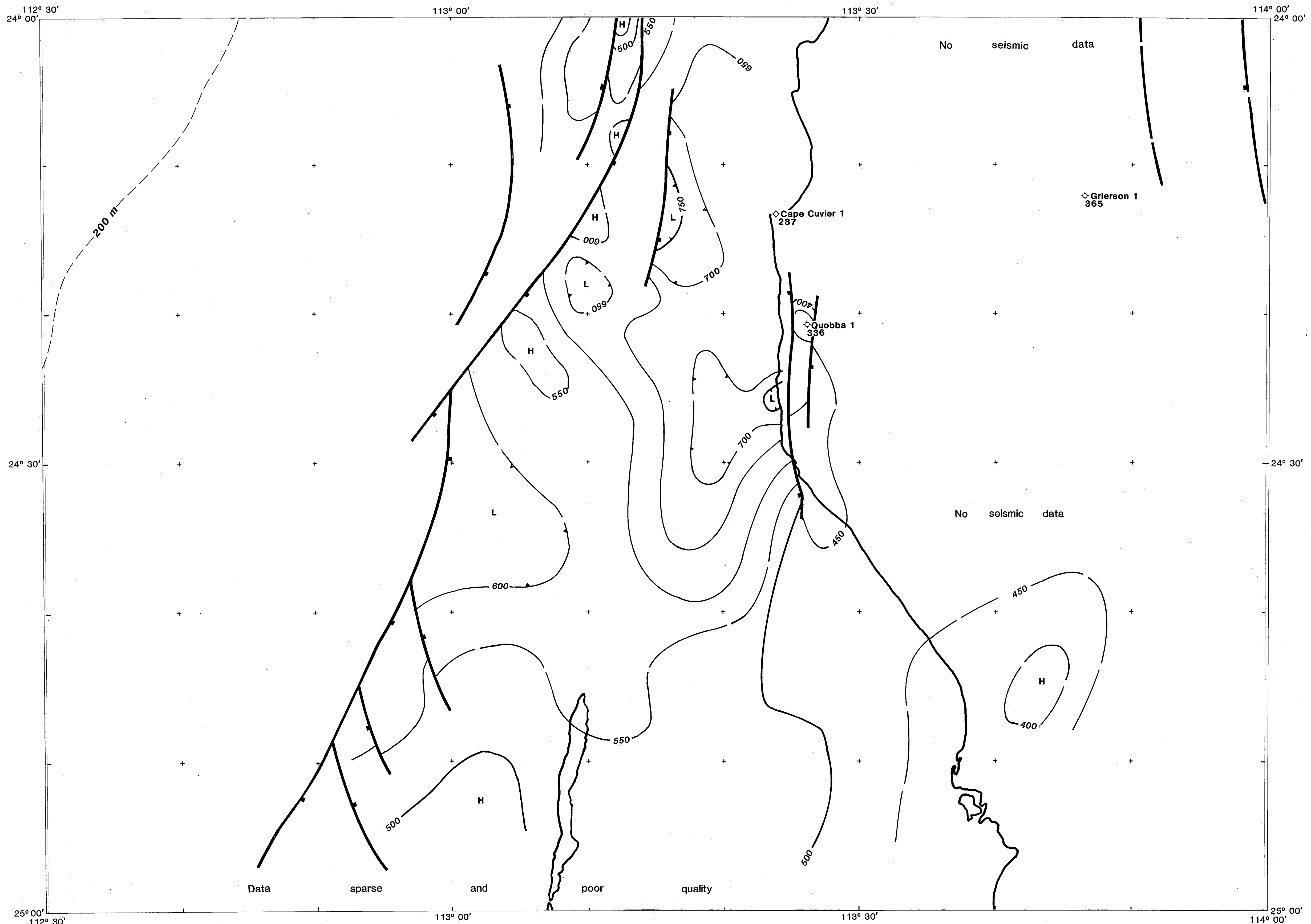
KENNEDY RANGE SG 50-01

AUSTRALIAN MAP GRID ZONE 50

QUOBBA

CARNARVON
BASIN

Near Top
Neocomian



LEGEND

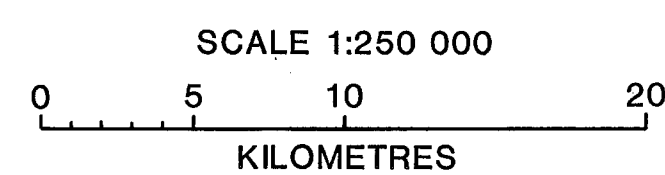
- ◇ Abandoned well, dry
- 365 Depth to mapped horizon, metres
- 200 m isobath

The reference for this map is : Luck, G.R. (compiler), 1991
Near Top Neocomian (Top Birdrong Sandstone) Structure - Seismic Time QUOBBA
1:250 000 Subsurface Compilation Series. Geological Survey of Western Australia.

NEAR TOP NEOCOMIAN
(Top Birdrong Sandstone)

STRUCTURE - Seismic Time

Contour Interval 50 ms TWT
Datum MSL



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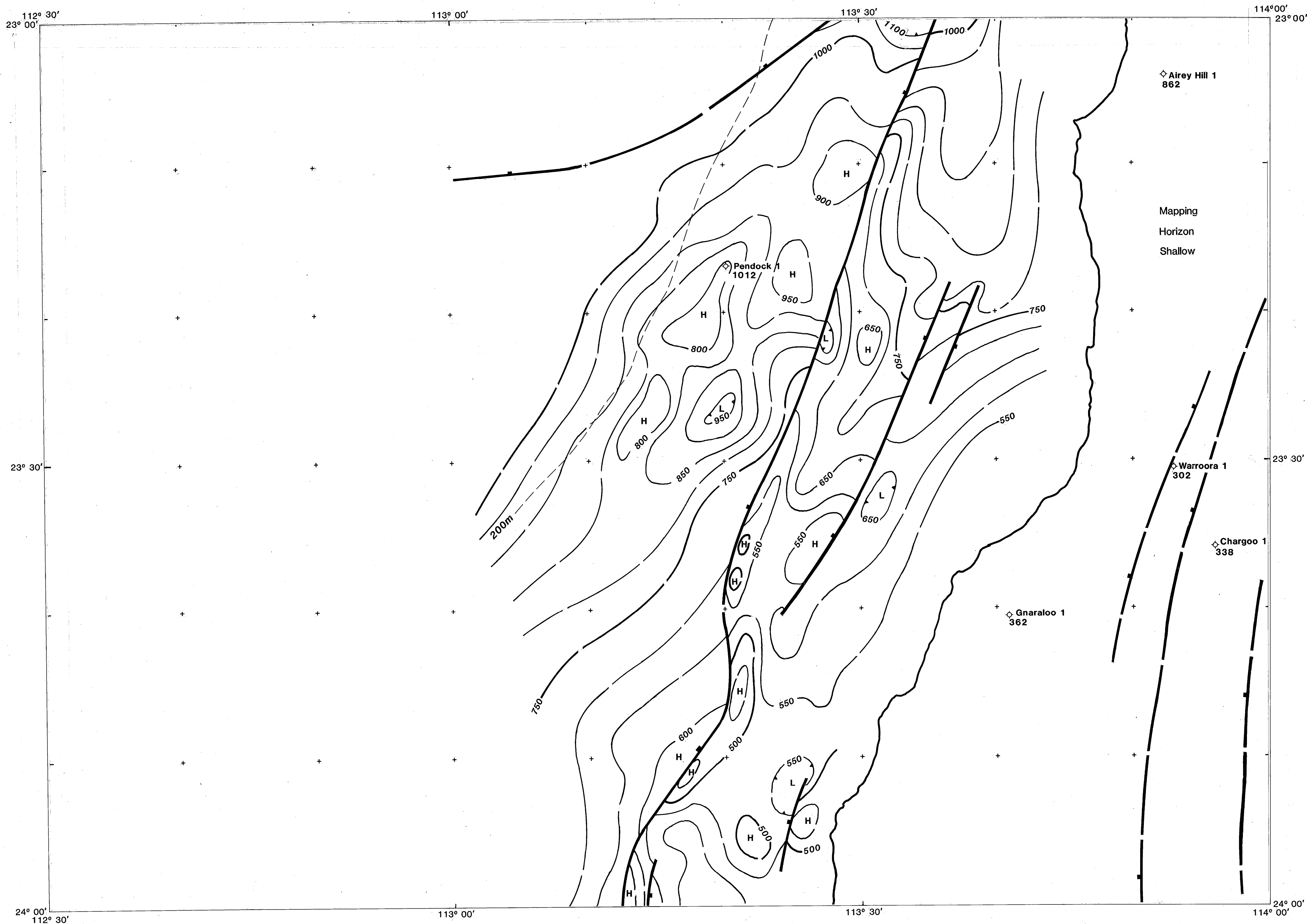
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DIRECTOR GENERAL OF MINES

1:250 000 SUBSURFACE COMPILATION SERIES

QUOBBA

AUSTRALIAN MAP GRID ZONE 49

SG 49-4



LEGEND

- ◇ Abandoned well, dry
- 365 Depth to mapped horizon, metres
- 200 m isobath

The reference for this map is : Luck, G.R. (compiler), 1991
Near Top Neocomian (Top Birdrong Sandstone) Structure - Seismic Time MINILYA
1:250 000 Subsurface Compilation Series. Geological Survey of Western Australia.

NEAR TOP NEOCOMIAN (Top Birdrong Sandstone)

STRUCTURE - Seismic Time

Contour Interval 50 ms TWT
Datum MSL

SCALE 1:250 000
0 5 10 20
KILOMETRES



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MINILYA

AUSTRALIAN MAP GRID ZONE 49

SF 49-16

MINILYA
CARNARVON
BASIN
NEAR TOP
NEOCOMIAN



LEGEND

◇ Abandoned well, dry

881 Depth to mapped horizon, metres

— 200 m isobath

The reference for this map is : Luck, G.R. (compiler), 1991
Near Top Neocomian (Base Muderong Shale) Structure-Depth NINGALOO
1:250 000 Subsurface Compilation Series. Geological Survey of Western Australia.

NEAR TOP NEOCOMIAN (Base Muderong Shale)

STRUCTURE - Depth

Contour Interval 100 metres
Datum MSL

SCALE 1:250 000
0 5 10 20
KILOMETRES



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NINGALOO

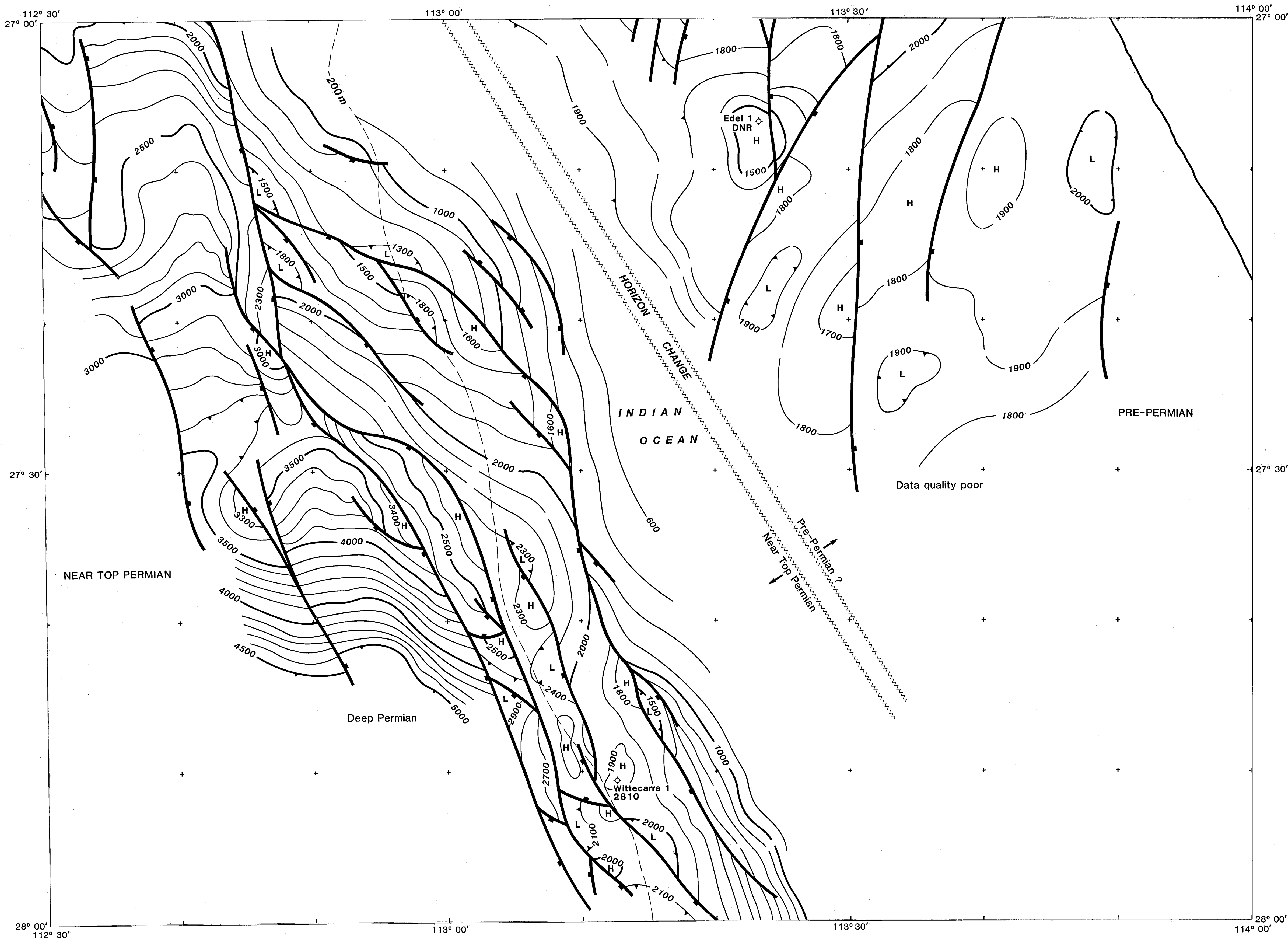
AUSTRALIAN MAP GRID ZONE 49

SF 49-12

NINGALOO

CARNARVON
BASIN

NEAR TOP
NEOCOMIAN



LEGEND

◇ Abandoned well, dry

2810 Depth to mapped horizon, metres

DNR Did not reach mapped horizon

— 200 m isobath

The reference for this map is : Luck, G.R. (compiler), 1991

Near Top Permian Pre-Permian Structure - Seismic Time

1:250 000 Subsurface Compilation Series. Geological Survey of Western Australia.

ZUYTDORP

NEAR TOP PERMIAN PRE-PERMIAN

STRUCTURE - Seismic Time

Contour Interval 100 ms TWT
Datum MSL

SCALE 1:250 000
0 5 10 20
KILOMETRES



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ZUYTDORP

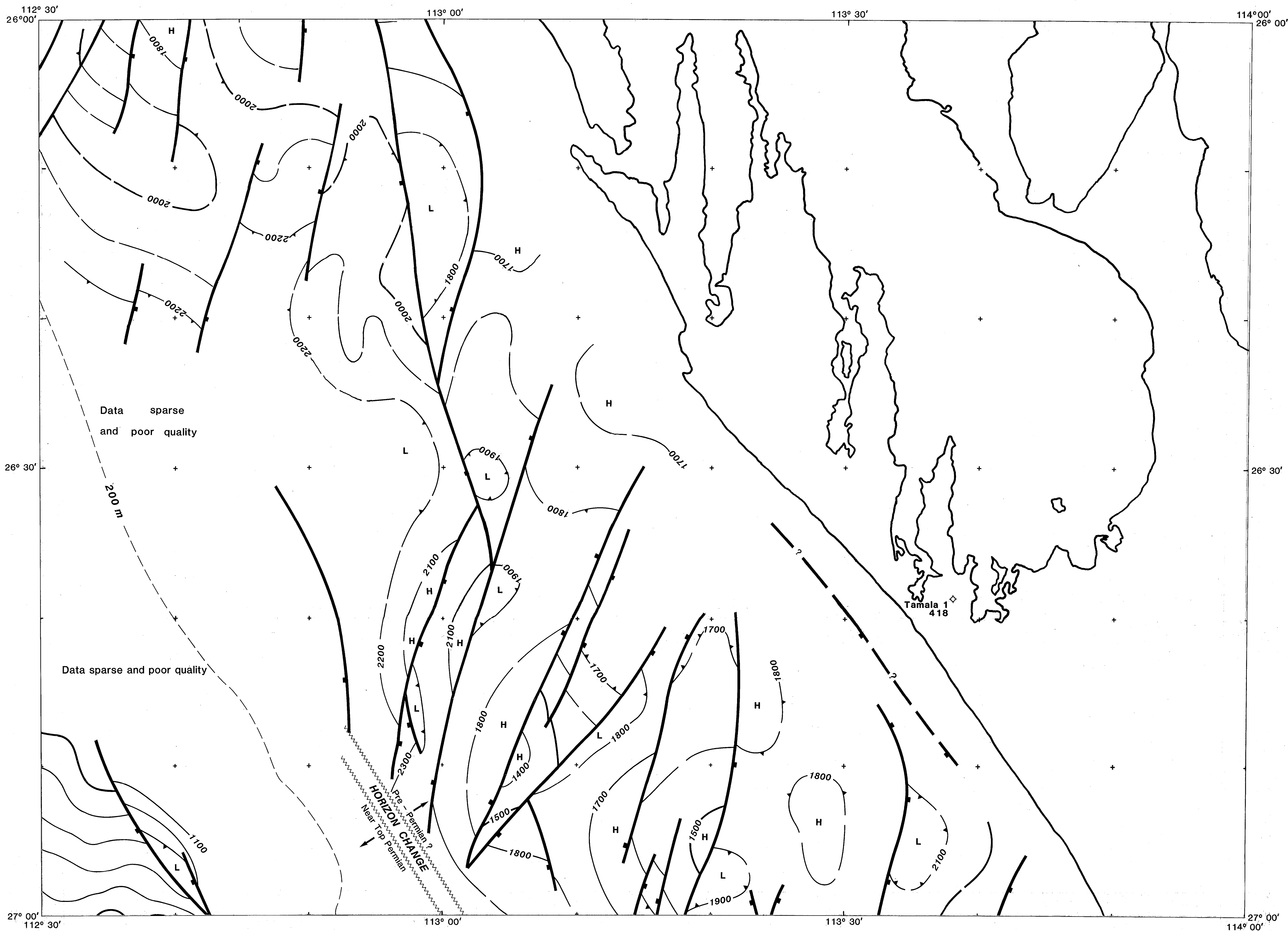
AUSTRALIAN MAP GRID ZONE 49

SG 49-16

ZUYTDORP

CANALVIEW
BASIN

Near Top Permian
- Pre-Permian



LEGEND

- ◇ Abandoned well, dry
- 418 Depth to Dirk Hartog Fm (metres)
- 200 m isobath

The reference for this map is : Luck, G.R. (compiler), 1991

Pre-Permian Near Top Permian Structure-Seismic Time

1:250 000 Subsurface Compilation Series, Geological Survey of Western Australia.

EDEL

PRE-PERMIAN NEAR TOP PERMIAN

STRUCTURE - Seismic Time

Contour Interval 100 ms TWT
Datum MSL

SCALE 1:250 000
0 5 10 20
KILOMETRES



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EDEL

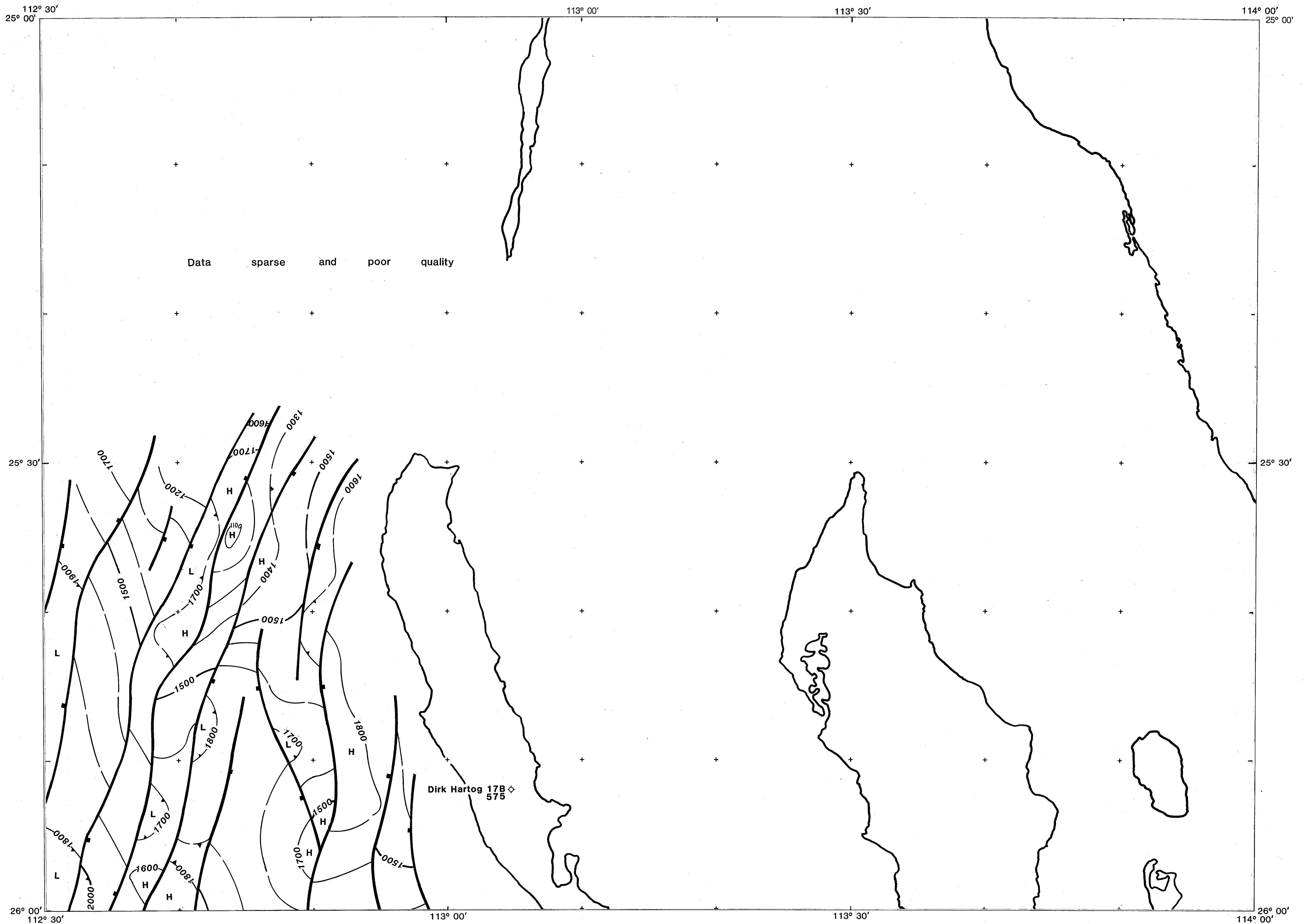
AUSTRALIAN MAP GRID ZONE 49

SG 49-12

EDEL

CARNARVON
BASIN

Pre-Permian
Near Top Permian



LEGEND

◇ Abandoned well, dry

575 Depth to Dirk Hartog Fm (metres)

PRE-PERMIAN

STRUCTURE - Seismic Time

Contour Interval 100 ms TWT
Datum MSL

SCALE 1:250 000
0 5 10 20
KILOMETRES



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1:250 000 SUBSURFACE COMPILATION SERIES

SHARK BAY

AUSTRALIAN MAP GRID ZONE 49

SG 49-8

The reference for this map is : Luck, G.R. (compiler), 1991

Pre-Permian Structure - Seismic Time

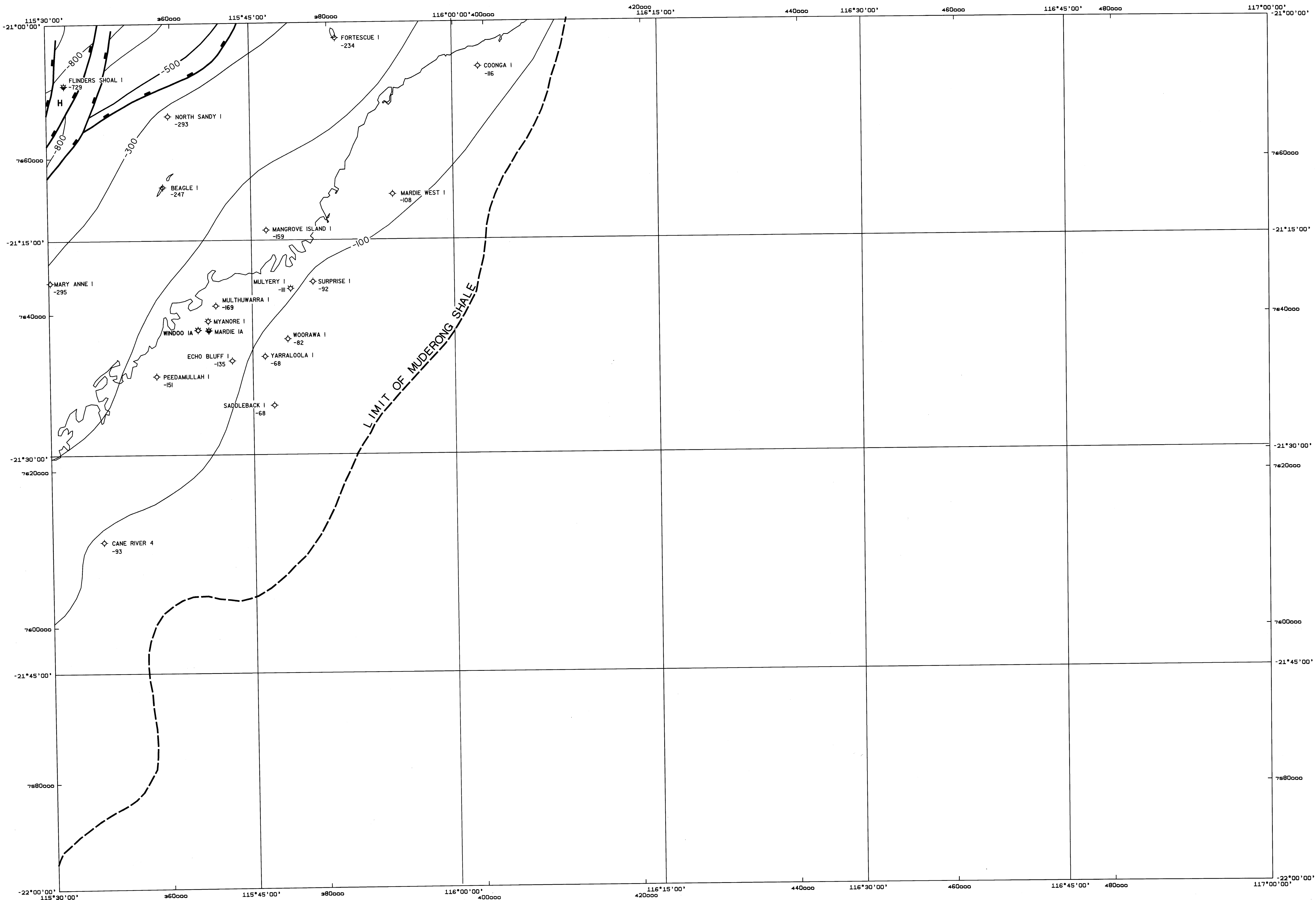
1:250 000 Subsurface Compilation Series. Geological Survey of Western Australia.

SHARK BAY

SHARK BAY

CARRIERON
BASIN

Pre-Permian



SYMBOLS

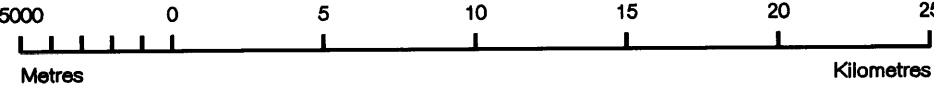
- Abandoned well, dry
- Abandoned well, gas show
- Abandoned well, oil and gas show
- 159 Depth to mapped horizon, metres (where interpreted)
- Fault
- H, L Structural high, structural low

NEAR TOP NEOCOMIAN
(Base Muderong Shale)

STRUCTURE - Depth

Contour Interval 100 m
Datum - MSL

SCALE 1 : 250 000



INDEX TO ADJOINING SHEETS

BARRON ISLAND SF 50-01	DAMPIER SF 50-02	ROEBOURNE SF 50-03
ONSLow SF 50-05	YARRALLOOLA SF 50-06	PYRAMID SF 50-07
YANKEE SF 50-08	WYLOO SF 50-10	MT BRUCE SF 50-11



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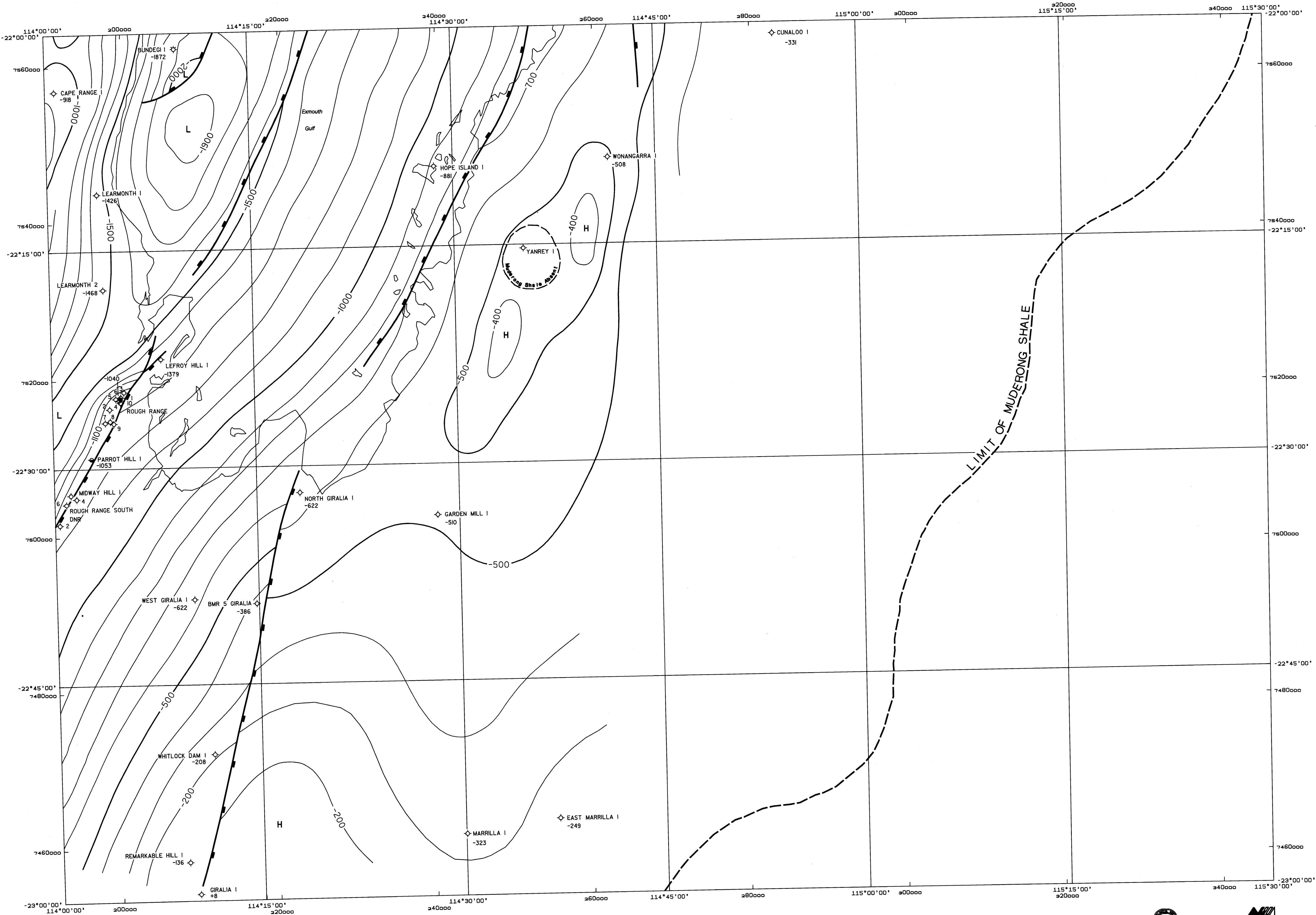


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YARRALLOOLA
SF 50-06

AUSTRALIAN MAP GRID ZONE 50



SYMBOLS

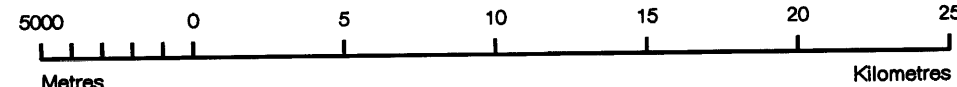
- Abandoned well, dry
- Oil well
- Abandoned well, gas show
- Suspended well, show of oil
- Normal fault
- 3800 Depth to mapped horizon, metres (where interpreted)
- H, L Structural high, structural low

NEAR TOP NEOCOMIAN
(Base Muderong Shale)

STRUCTURE - Depth

Contour Interval 100 m
Datum - MSL

SCALE 1 : 250 000



INDEX TO ADJOINING SHEETS

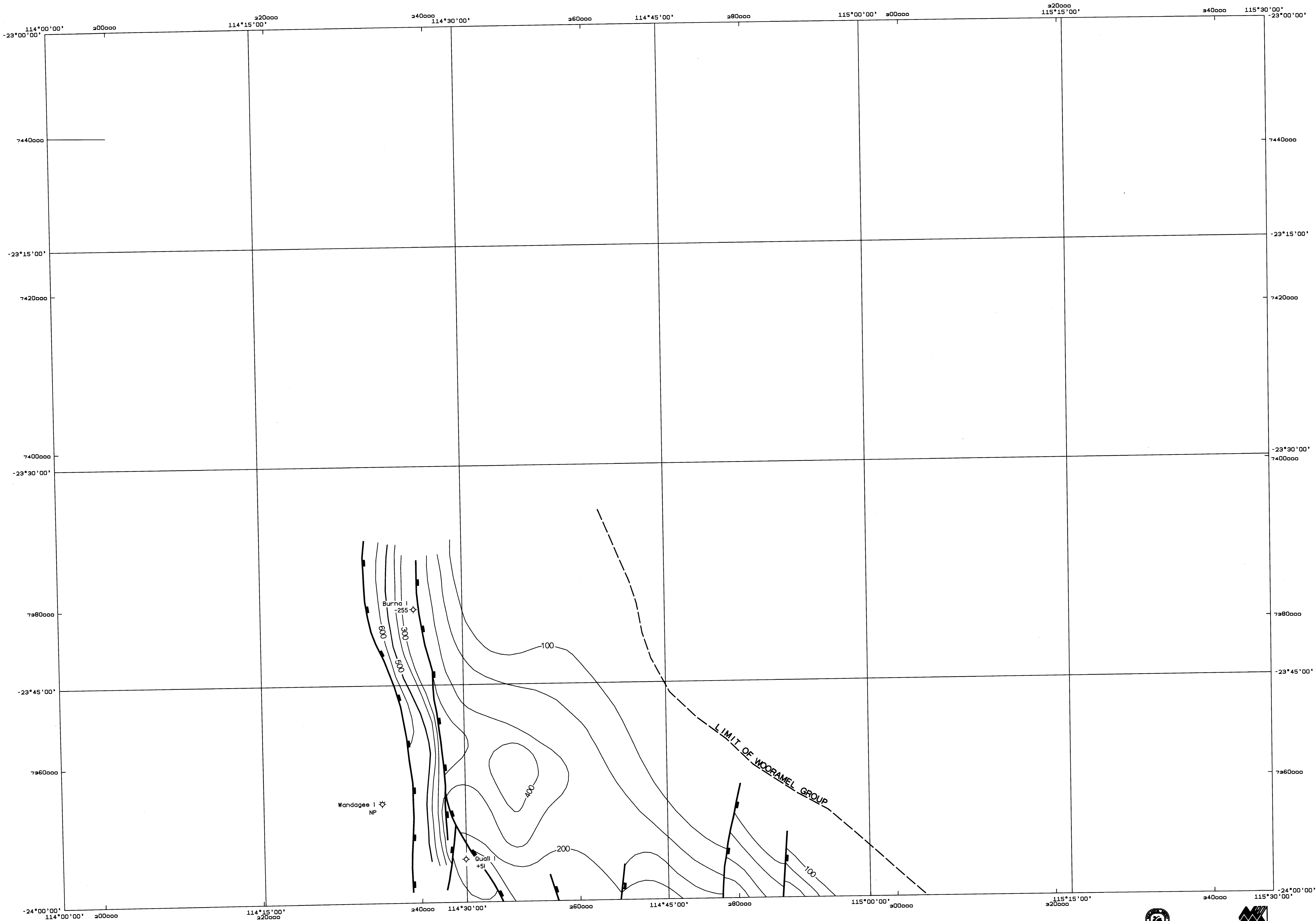
JURABI POINT SF 49-08	ONSLOW SF 50-05	YARRALLOOLA SF 50-06
NINGALOO SF 49-12	YANREY SF 50-09	WYLOO SF 50-10
MINILYA SF 49-16	WINNING POOL SF 50-13	EDMUND SF 50-14

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YANREY
SF 50-09

AUSTRALIAN MAP GRID ZONE 50

Cartography prepared by Surveys and Mapping Division, Cartographic Services Branch
The reference for this map is: G.R. Luck (Compiler), 1992, Near Top Neocomian, Structure - Depth,
YANREY 1 : 250 000 Subsurface Compilation Series, Geological Survey of Western Australia.



SYMBOLS

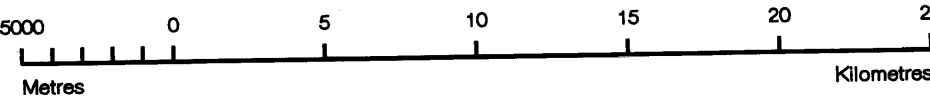
- | | | | |
|------|---|------|---------------------------------|
| ◇ | Abandoned well, dry | H, L | Structural high, structural low |
| ☆ | Abandoned well, gas show | — — | Normal fault |
| -255 | Depth to mapped horizon, metres (where interpreted) | NP | Lower Permian not present |
| DNR | Did not reach mapped horizon | | |

LOWER PERMIAN
(Top Wooramel Group)

STRUCTURE - Seismic Time

Contour Interval 100 ms TWT
Datum - MSL

SCALE 1 : 250 000



INDEX TO ADJOINING SHEETS

NINGALOO SF 49-12	YANREY SF 50-08	WYLOO SF 50-10
MINILYA SF 49-16	WINNING POOL SF 50-13	EDMUND SF 50-14
QUOSBA SG 49-04	KENNEDY RANGE SG 50-01	MT PHILLIPS SG 50-02



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DIRECTOR, GEOLOGICAL SURVEY
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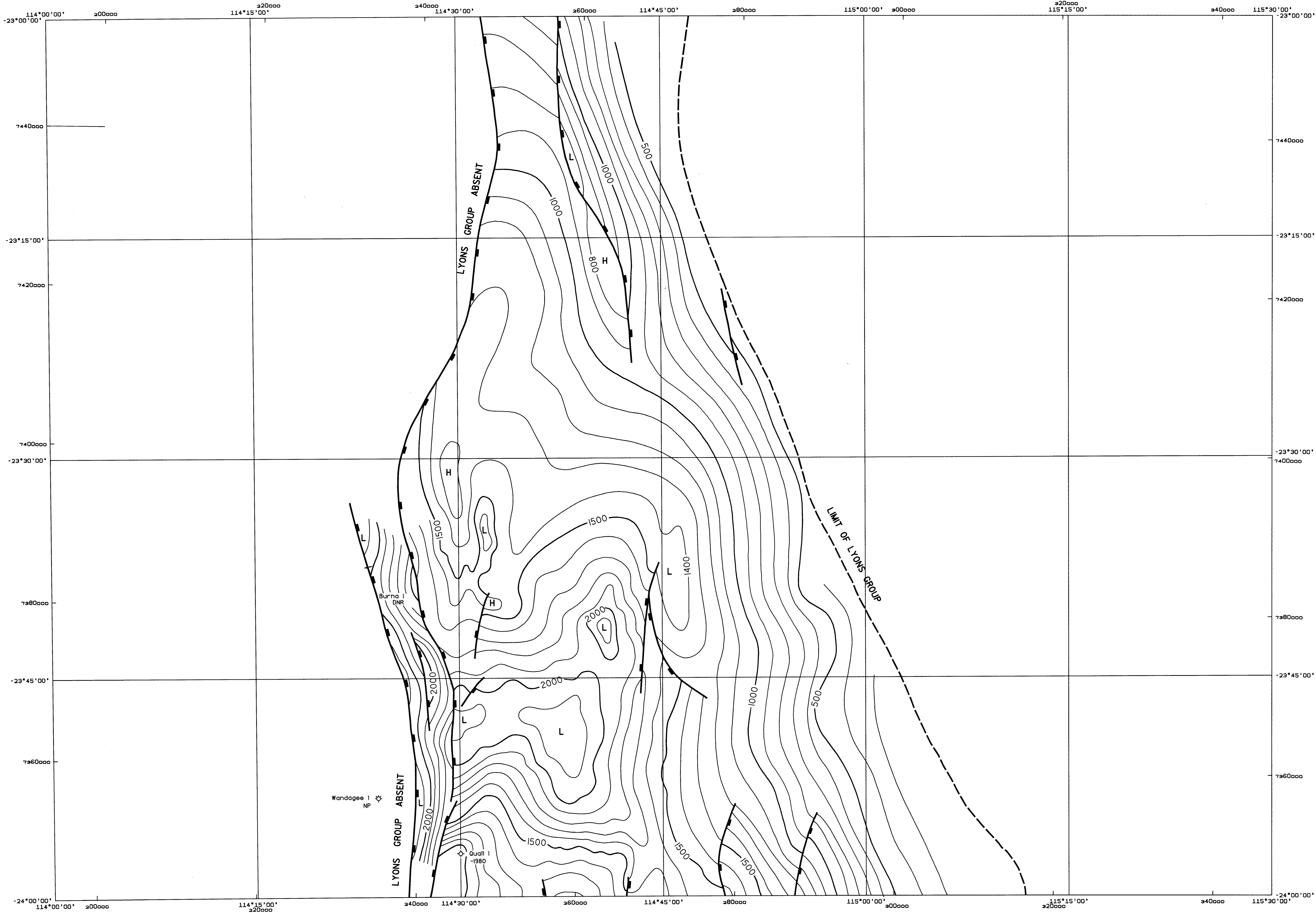


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WINNING POOL
SF 50-13

AUSTRALIAN MAP GRID ZONE 50



SYMBOLS

- Abandoned well, dry
- Abandoned well, gas show
- 1980 Depth to mapped horizon, metres (where interpreted)
- DNR Did not reach mapped horizon

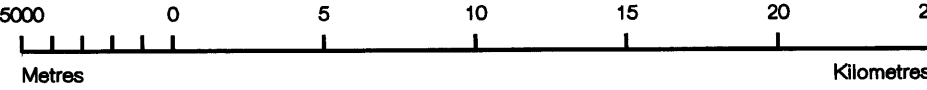
- H, L Structural high, structural low
- Normal fault
- NP Carboniferous not present

TOP CARBONIFEROUS
(Base Lyons Group)

STRUCTURE - Seismic Time

Contour Interval 100 ms TWT
Datum - MSL

SCALE 1 : 250 000



INDEX TO ADJOINING SHEETS

NINGALOO SF 48-08	YANFREY SF 50-08	WYLOO SF 50-10
MINILYA SF 48-12	WINNING POOL SF 50-13	EDMUND SF 50-14
QUOBBA SQ 48-04	KENNEDY RANGE SQ50-01	MT PHILLIPS SQ 50-02

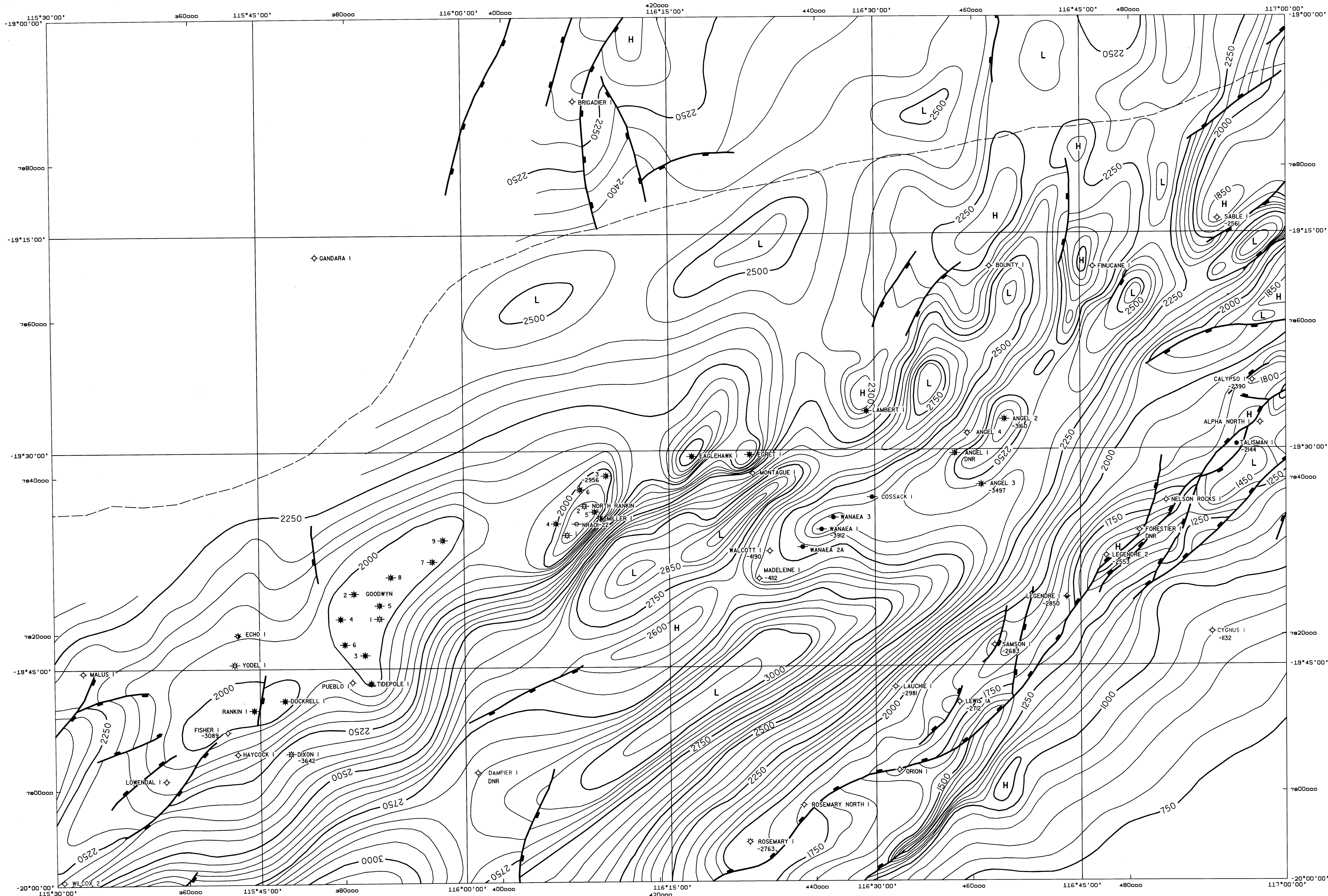


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WINNING POOL
SF 50-13

AUSTRALIAN MAP GRID ZONE 50

Cartography prepared by Surveys and Mapping Division, Cartographic Services Branch
The reference for this map is: G.R. Luck (Compiler), 1992, Top Carboniferous, Structure - Seismic Time,
WINNING POOL 1 : 250 000 Subsurface Compilation Series, Geological Survey of Western Australia.



SYMBOLS

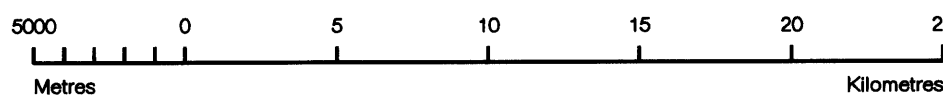
- | | | | | | |
|---|---------------------------|-----|--------------------------|-------|---|
| ● | Oil well | ◇ | Abandoned well, dry | --- | 200m Isobath |
| ⊛ | Gas well | ● | Condensate | -3642 | Depth to mapped horizon (where interpreted) |
| ⊛ | Suspended well, oil | ◇ | Abandoned well, oil show | DNR | Did not reach mapped horizon |
| ⊛ | Suspended well, gas | ◇ | Abandoned well, gas show | H, L | Structural high, structural low |
| ⊛ | Suspended well, oil & gas | — — | Fault | | |

OXFORDIAN UNCONFORMITY
(lower *W. spectabilis*)

STRUCTURE - Seismic Time

Contour Interval 50 ms TWT
Datum - MSL

SCALE 1 : 250 000



INDEX TO ADJOINING SHEETS

		PICARD SE 50-11
WILCOX SE 50-13	RANKIN BANK SE 50-14	POISSONNIER SE 50-15
BARROW ISLAND SF 50-01	DAMPPIER SF 50-02	ROSEBOURNE SF 50-03



PETRO GLU
DIRECTOR, GEOLOGICAL SURVEY
OF WESTERN AUSTRALIA

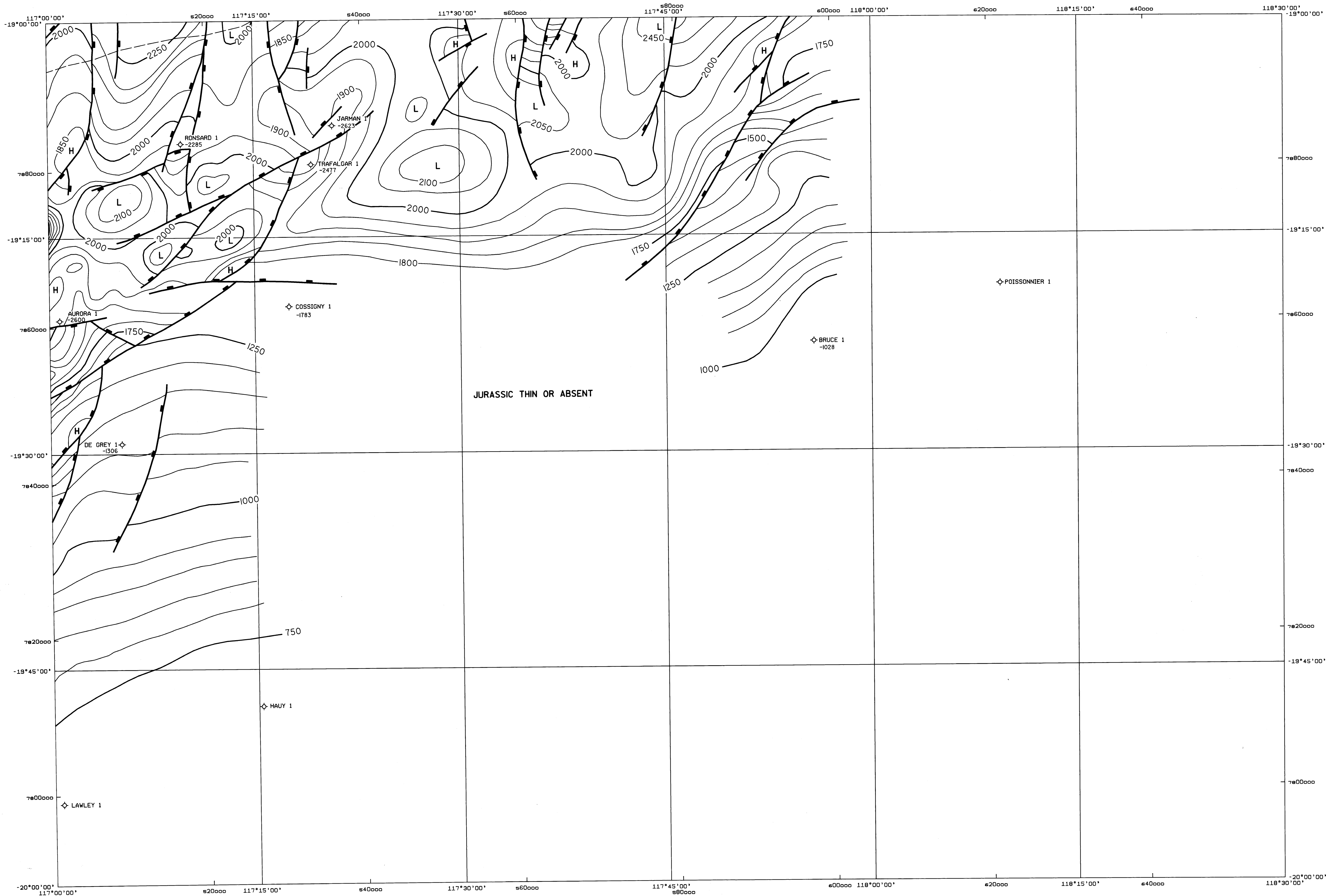


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RANKIN BANK
SE 50-14

AUSTRALIAN MAP GRID ZONE 50



SYMBOLS

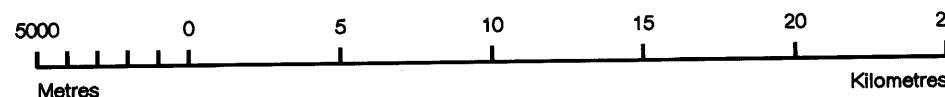
- Abandoned well, dry
- 200m isobath
- Depth to mapped horizon, metres
- Structural high, structural low
- Fault

OXFORDIAN UNCONFORMITY (lower *W. spectabilis*)

STRUCTURE - Seismic Time

Contour Interval 50 ms TWT
Datum - MSL

SCALE 1 : 250 000



INDEX TO ADJOINING SHEETS

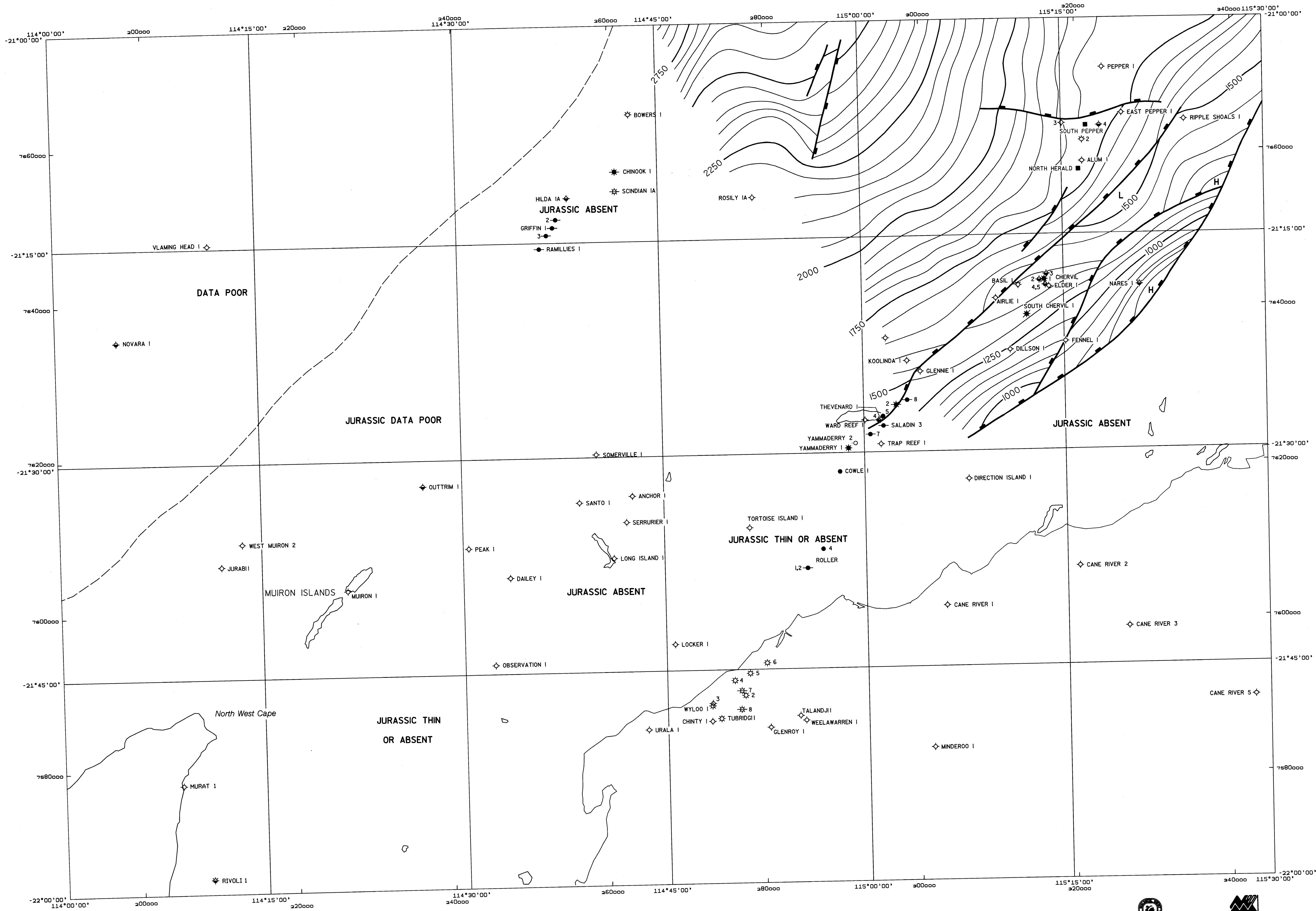
	PICARD SE 50-11	PHOENIX SE 50-12
RANKIN BANK SE 50-14	POISSONIER SE 50-15	BEDOUT ISLAND SE 50-16
DAMPIER SF 50-02	ROEBOURNE SF 50-03	PORT HEDLAND SF 50-04



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POISSONIER
SE 50-15

AUSTRALIAN MAP GRID ZONE 50



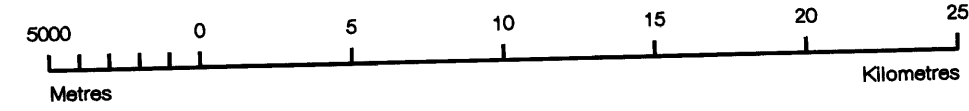
- SYMBOLS**
- Oil well
 - Gas well
 - Suspended well, oil
 - Suspended well, gas
 - Suspended well, oil & gas
 - Abandoned well, dry
 - Oil field
 - Abandoned well, oil show
 - Abandoned well, gas show
 - Abandoned well, gas show
- 200m isobath
H, L Structural high, structural low
— Fault

UPPER TITHONIAN
(O. Montgomery)

STRUCTURE - Seismic Time

Contour Interval 50 ms TWT
Datum - MSL

SCALE 1 : 250 000



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	BARROW ISLAND SF 50-01	DAMPIER SF 50-02
JURABI POINT SF 49-08	ONSLOW SF 50-05	YARRALLOOLA SF 50-06
NINGALOO SF 49-12	YANREY SF 50-09	WYLOO SF 50-10

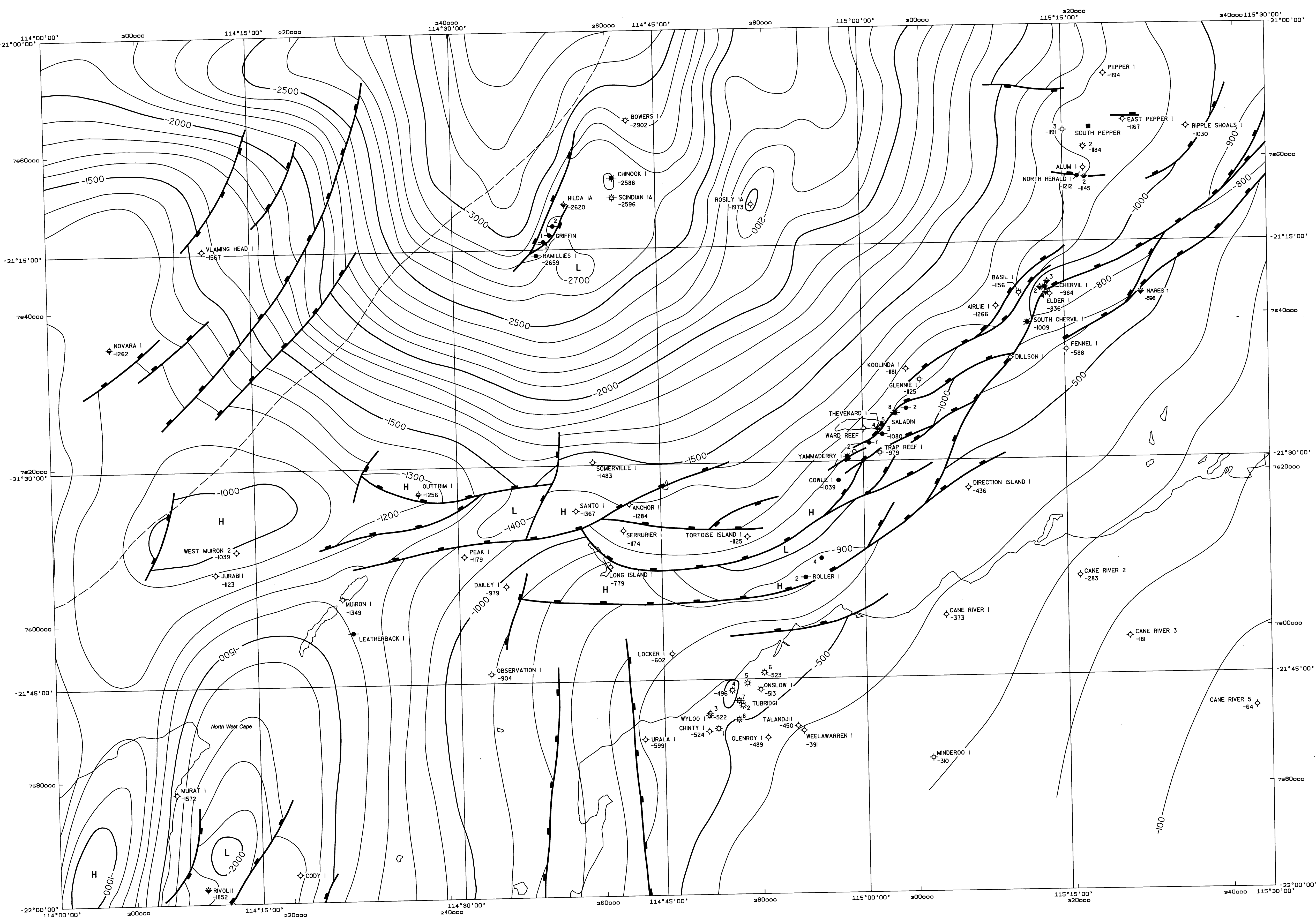


1 : 250 000 SUBSURFACE COMPILATION SERIES

ONSLOW
SF 50-05

AUSTRALIAN MAP GRID ZONE 50

Cartography prepared by Surveys and Mapping Division, Cartographic Services Branch
The reference for this map is: G.R. Luck (Compiler), 1992, Upper Tithonian, Structure - Seismic Time,
ONSLOW 1 : 250 000 Subsurface Compilation Series, Geological Survey of Western Australia.

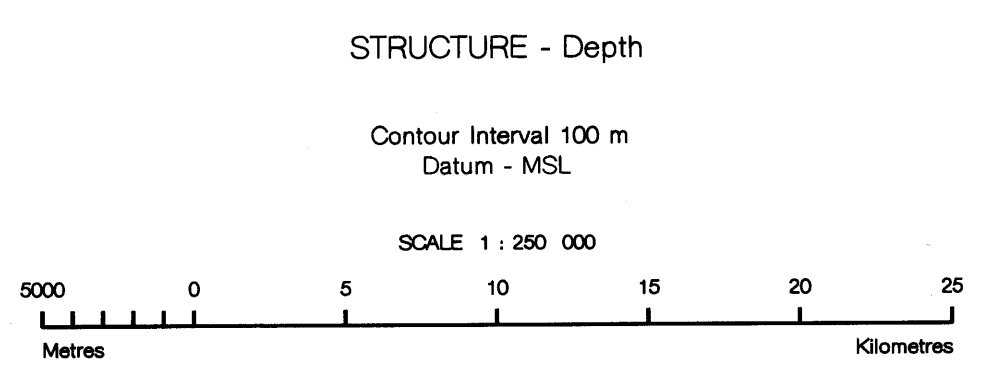


- Oil well
 - Gas well
 - Suspended well, oil
 - Suspended well, gas
 - Suspended well, oil & gas

- Abandoned well, dry
 - Abandoned well, oil show
 - Abandoned well, gas show
 - Abandoned oil well

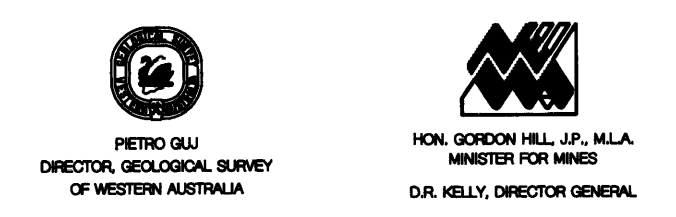
- Abandoned well, oil & gas
 - 200m Isobath
 - Depth to mapped horizon (where interpreted)
 - Structural high, structural low
 - Fault
- SYMBOLS**

NEAR TOP NEOCOMIAN
(Base Muderong Shale)



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	BARROW ISLAND SF 50-01	DAMPIER SF 50-02
JURABI POINT SF 49-08	ONSLOW SF 50-05	YARRALOOA SF 50-06
NINGALOO SF 49-12	YANREY SF 50-09	WYLOO SF 50-10

Cartography prepared by Surveys and Mapping Division, Cartographic Services Branch
The reference for this map is: G.R. Luck (Compiler), 1992, Near Top Neocomian, Structure - Depth,
ONSLOW 1 : 250 000 Subsurface Compilation Series, Geological Survey of Western Australia.



1 : 250 000 SUBSURFACE COMPILATION SERIES

ONSLOW
SF 50-05

AUSTRALIAN MAP GRID ZONE 50