W98-25 to 30

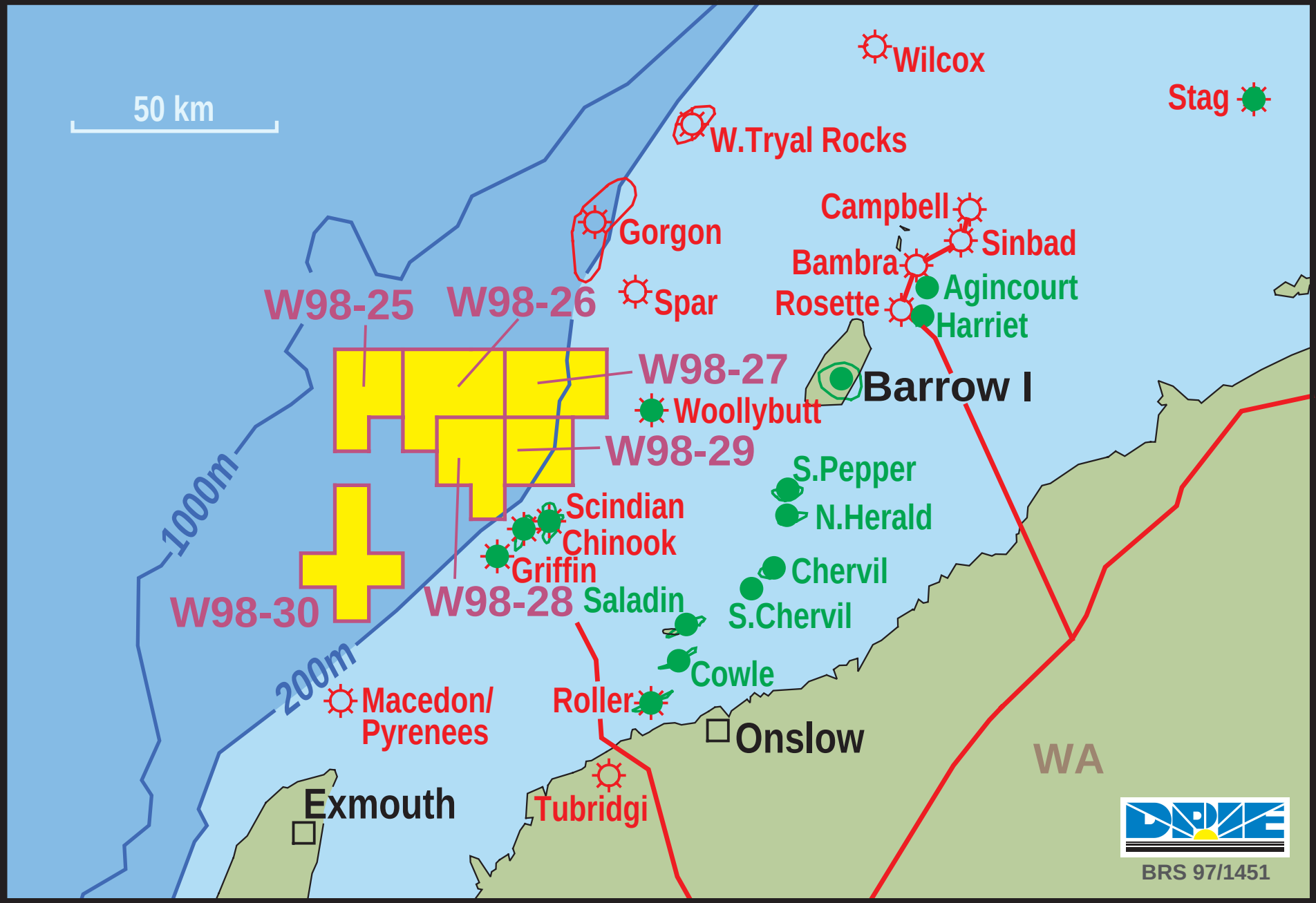
Carnarvon Basin

Location Map
Point Summary
Regional Structure (2)
Stratigraphy
Cross Section (2)
Source / Seal Maps (7)
Reservoir Distribution
Major Discoveries

BACK

GALLERY

CARNARVON / BARROW SUB-BASIN



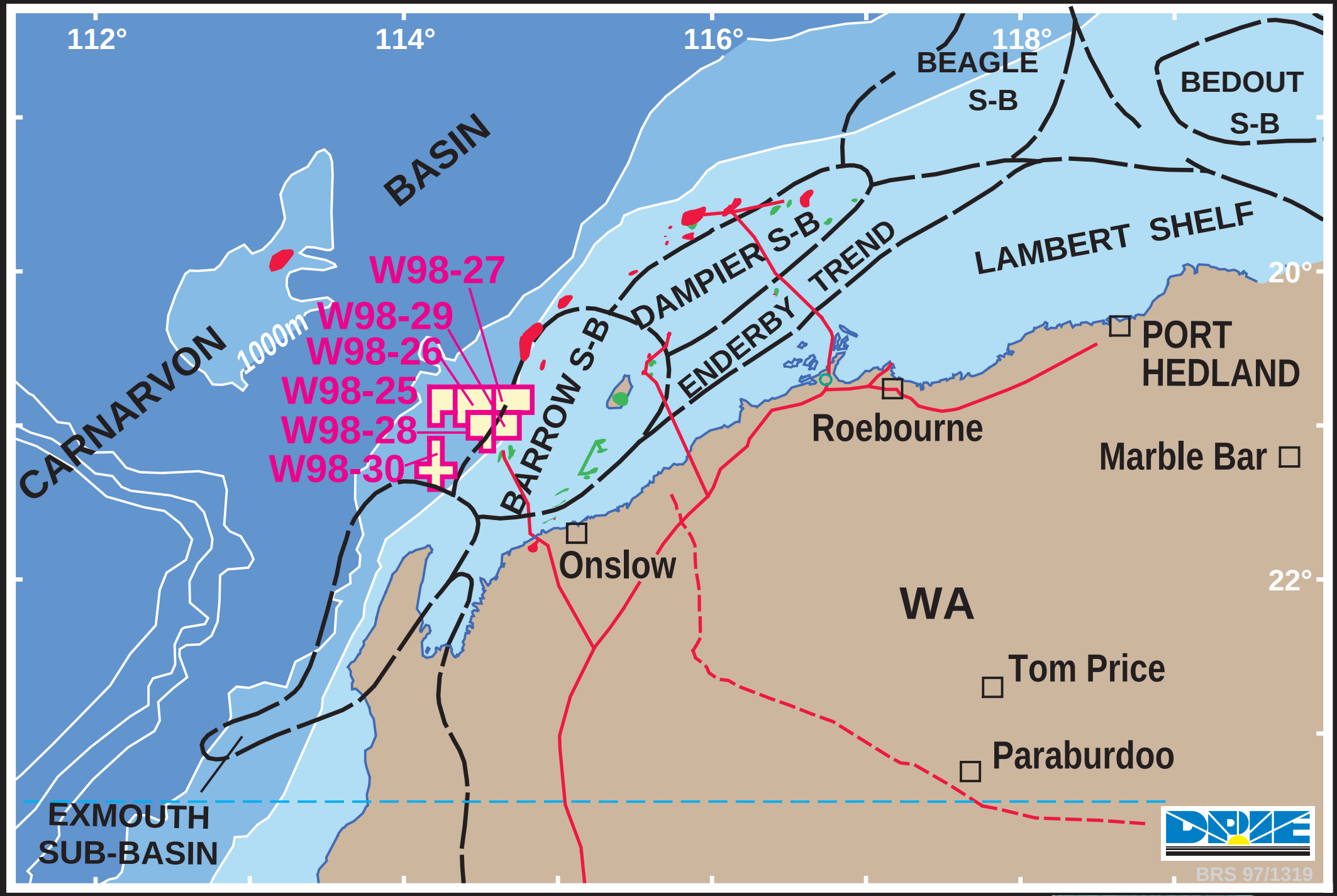
MENU

Areas W98-25 to 30
Carnarvon Basin (Barrow/Exmouth Sub-basins)

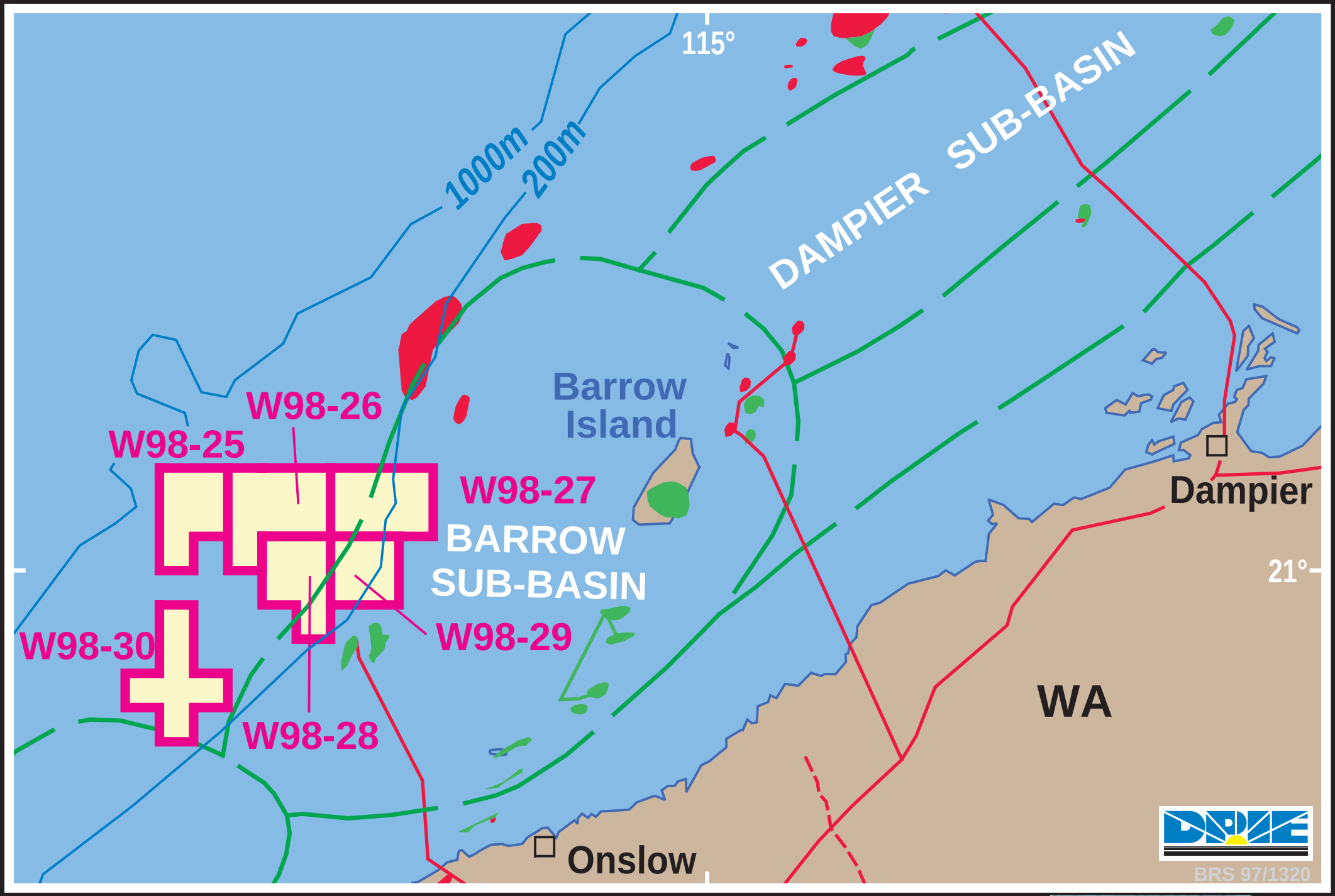
- Highly prospective areas - within and flanking the Barrow Sub-basin
- Close to infrastructure
- Oil, gas & gas/condensate fields immediately north, east & south of the areas
- 1997 Woollybut oil discovery adjacent to Areas W98-27 & 29
- Only 4 wells drilled in the areas - 1 with untested gas? sands; 1 off structure?
- Triassic (Locker Shale) and Jurassic (Dingo Claystone) source
- Triassic to E Cretaceous reservoirs
- Objectives: fault blocks, drape & strat traps
- Areas straddle the Alpha Arch - focusing migration from 2 major kitchens
- Water depths <100m to >800m

BRS 98/163

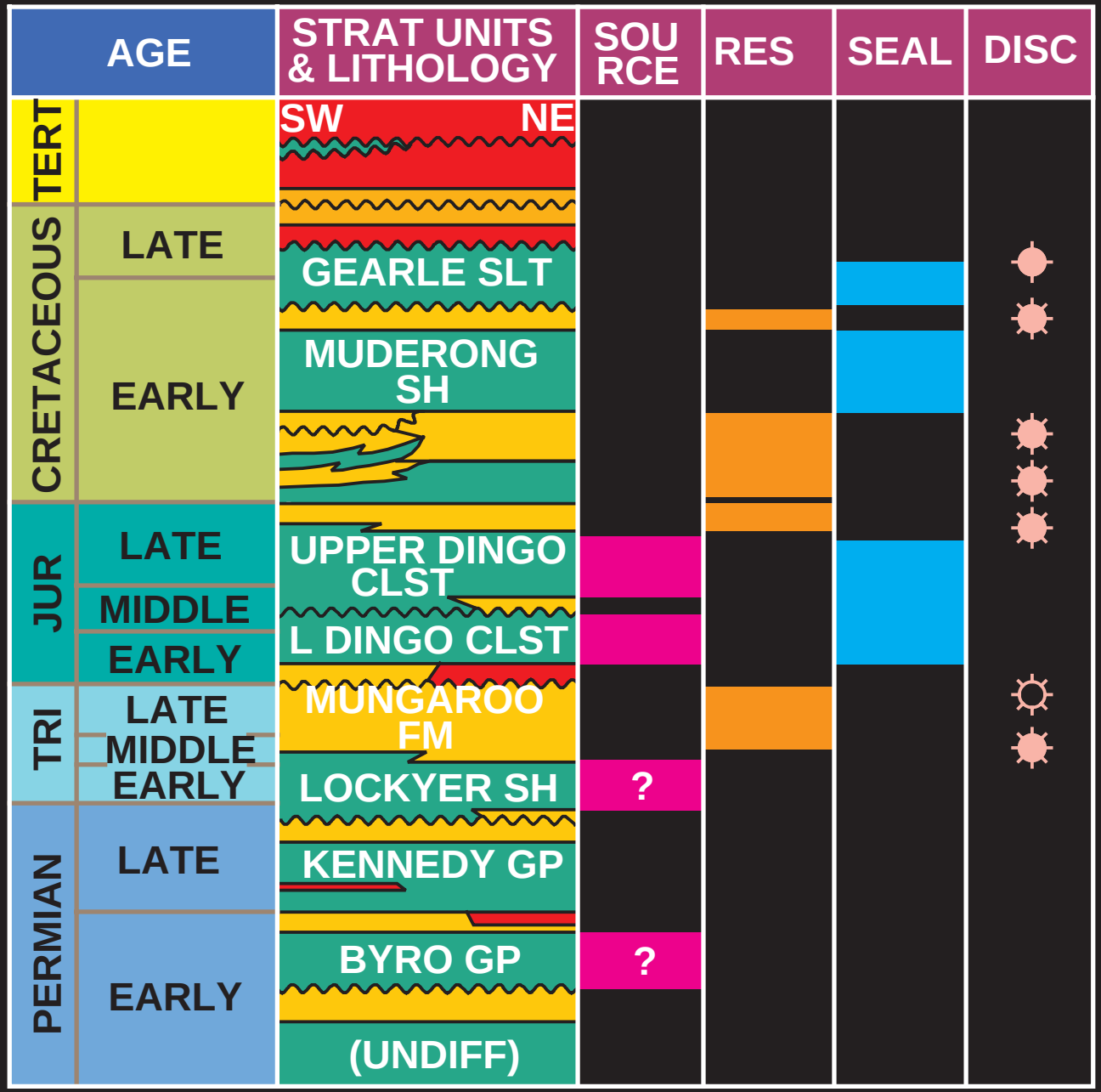
bwd MENU fwd


112°
114°
116°
118°
20°
22°
BEAGLE S-B
BEDOUT S-B
LAMBERT SHELF
DAMPIER S-B
ENDERBY TREND
BARROW S-B
CARNARVON BASIN
1000m
W98-27
W98-29
W98-26
W98-25
W98-28
W98-30
PORT HEDLAND
Roebourne
Marble Bar
Onslow
WA
Tom Price
Paraburdoo
EXMOUTH SUB-BASIN
BRS 97/1319

MENU

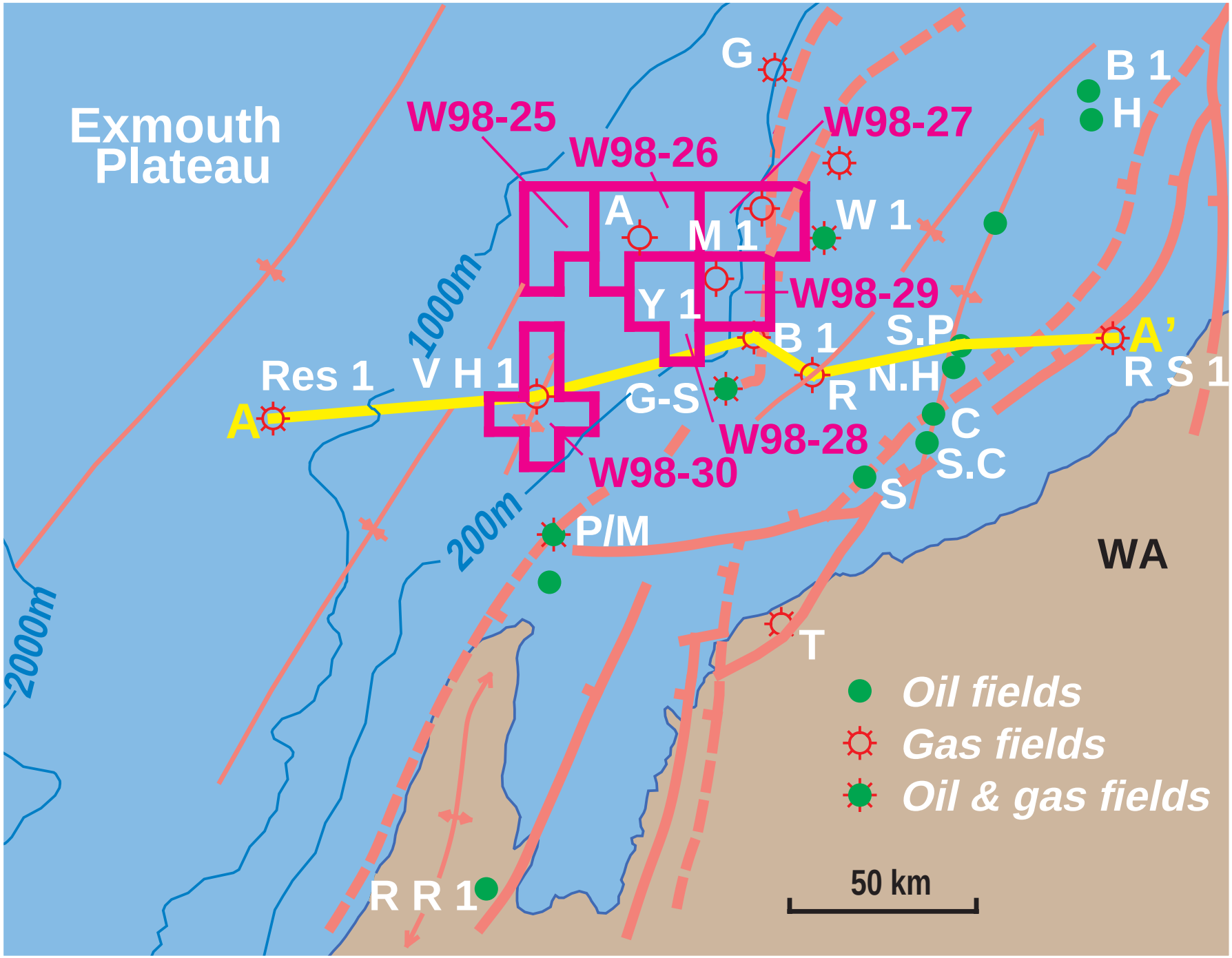

115°
1000m
200m
DAMPIER SUB-BASIN
Barrow Island
W98-26
W98-25
W98-27
BARROW SUB-BASIN
W98-29
W98-30
W98-28
Dampier
21°
WA
Onslow
BRS 97/1320

STRATIGRAPHY
BARROW SUB-BASIN



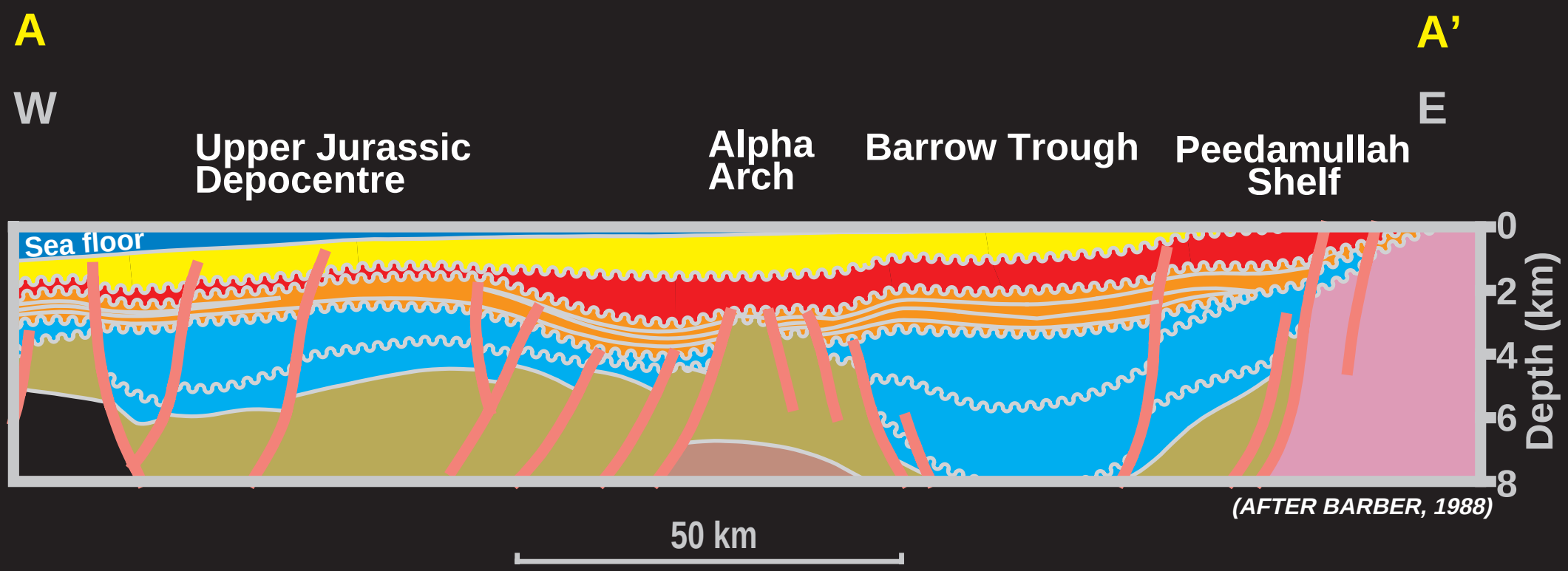
BRS 97/1307

MENU



BRS 97/1331

MENU



Triassic

Cretaceous

Jurassic

Barrow Group

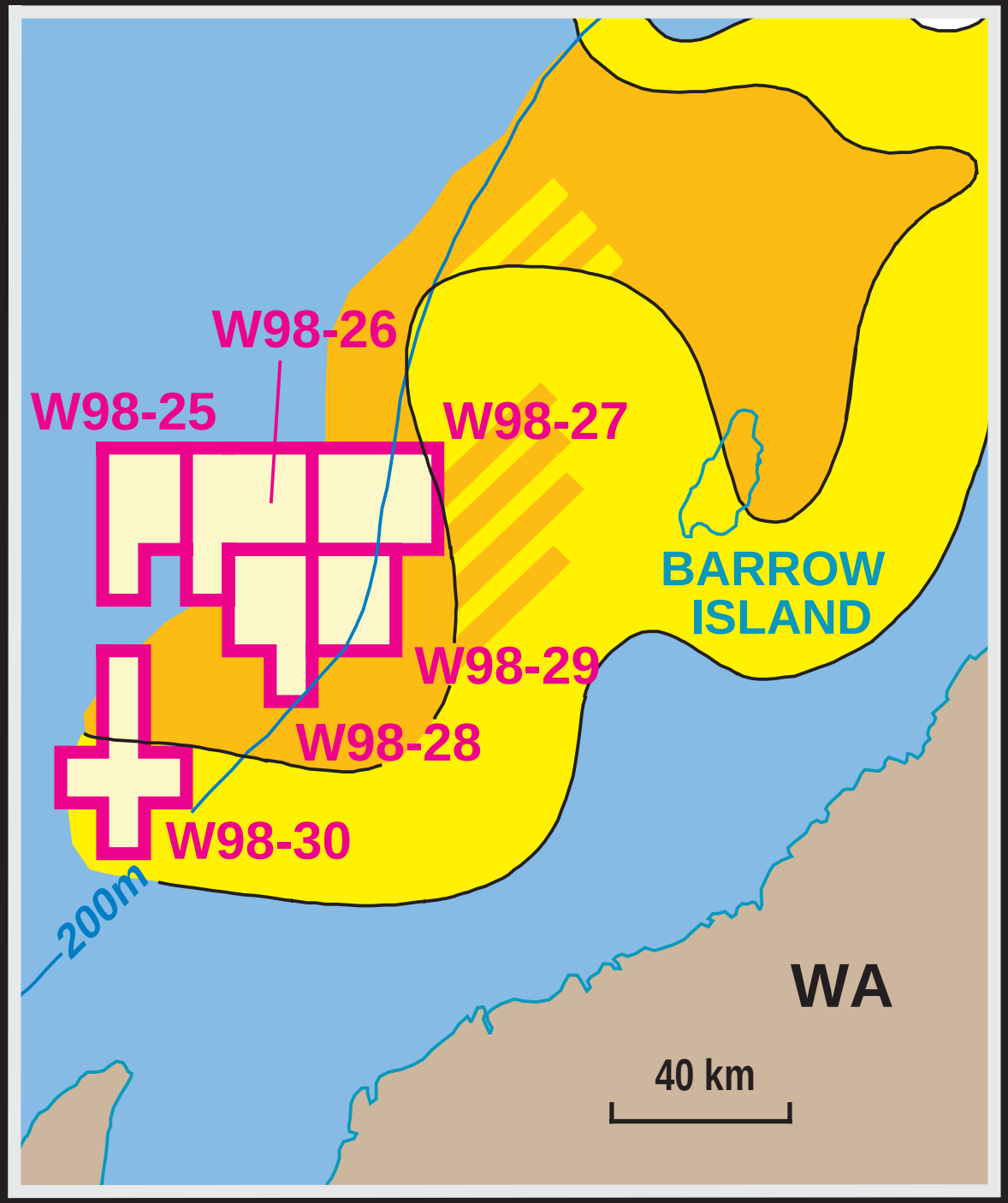
??

Permian

Permian older

BRS 97/1332

MENU



MUDERONG SHALE - ORGANIC FACIES

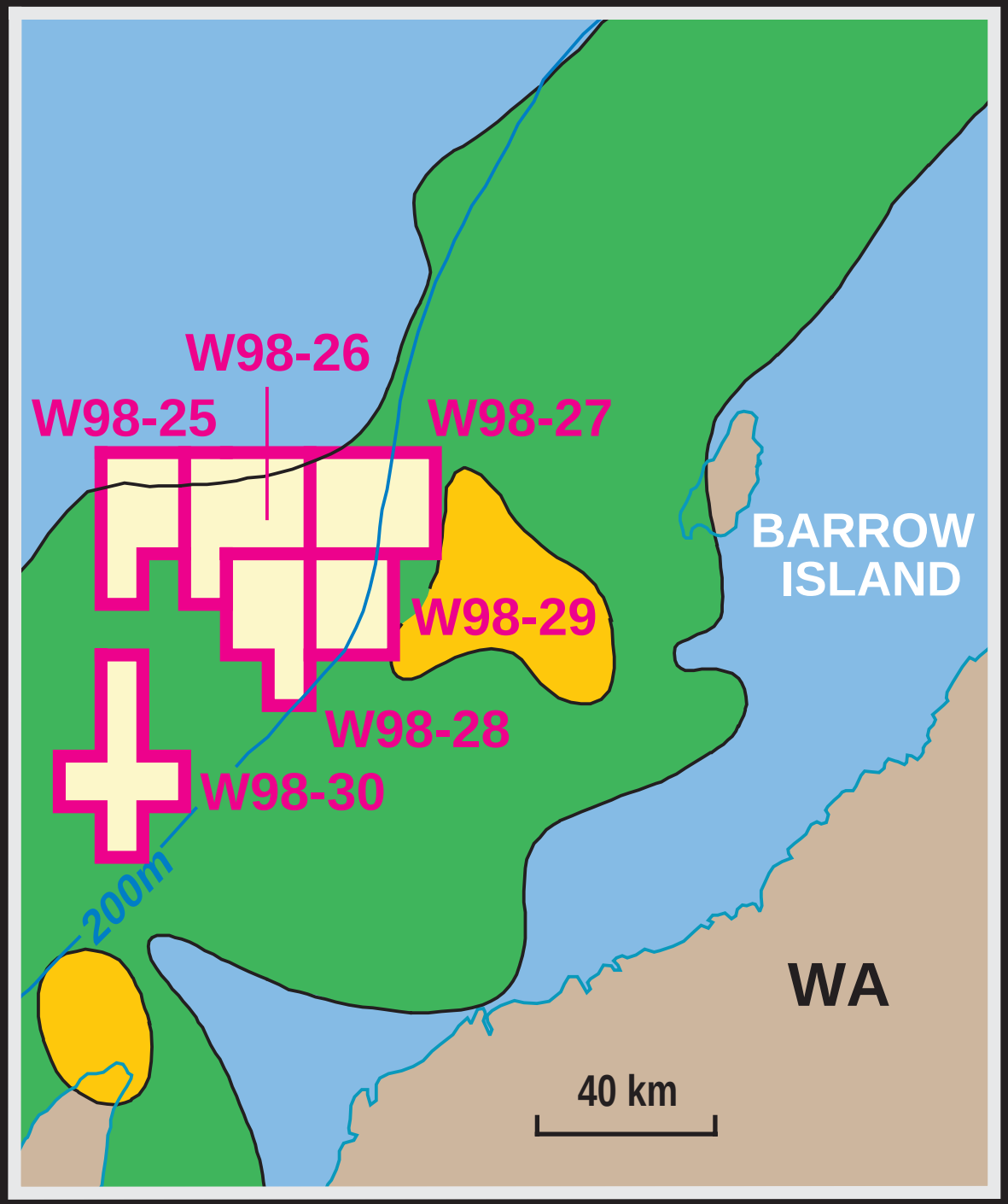
EXINITE OR WAXY KEROGEN

VITRINITE

(after Robertson Research, 1986)

BRS 97/1314

MENU



MUDERONG SHALE - ORGANIC MATURITY

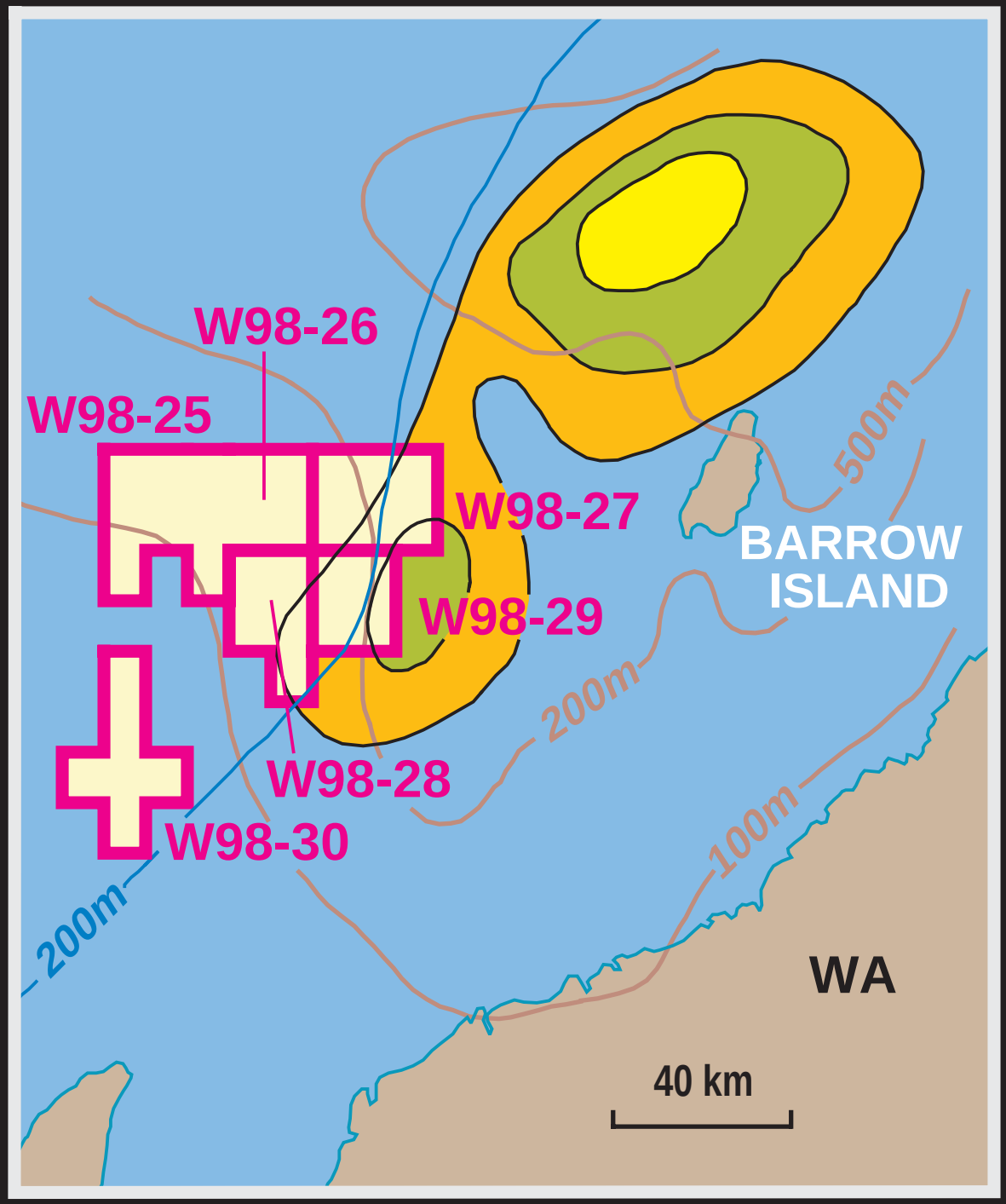
EARLY

MIDDLE

(after Robertson Research, 1986)

BRS 97/1315

MENU



MUDERONG SHALE - OIL PRODUCTIVITY

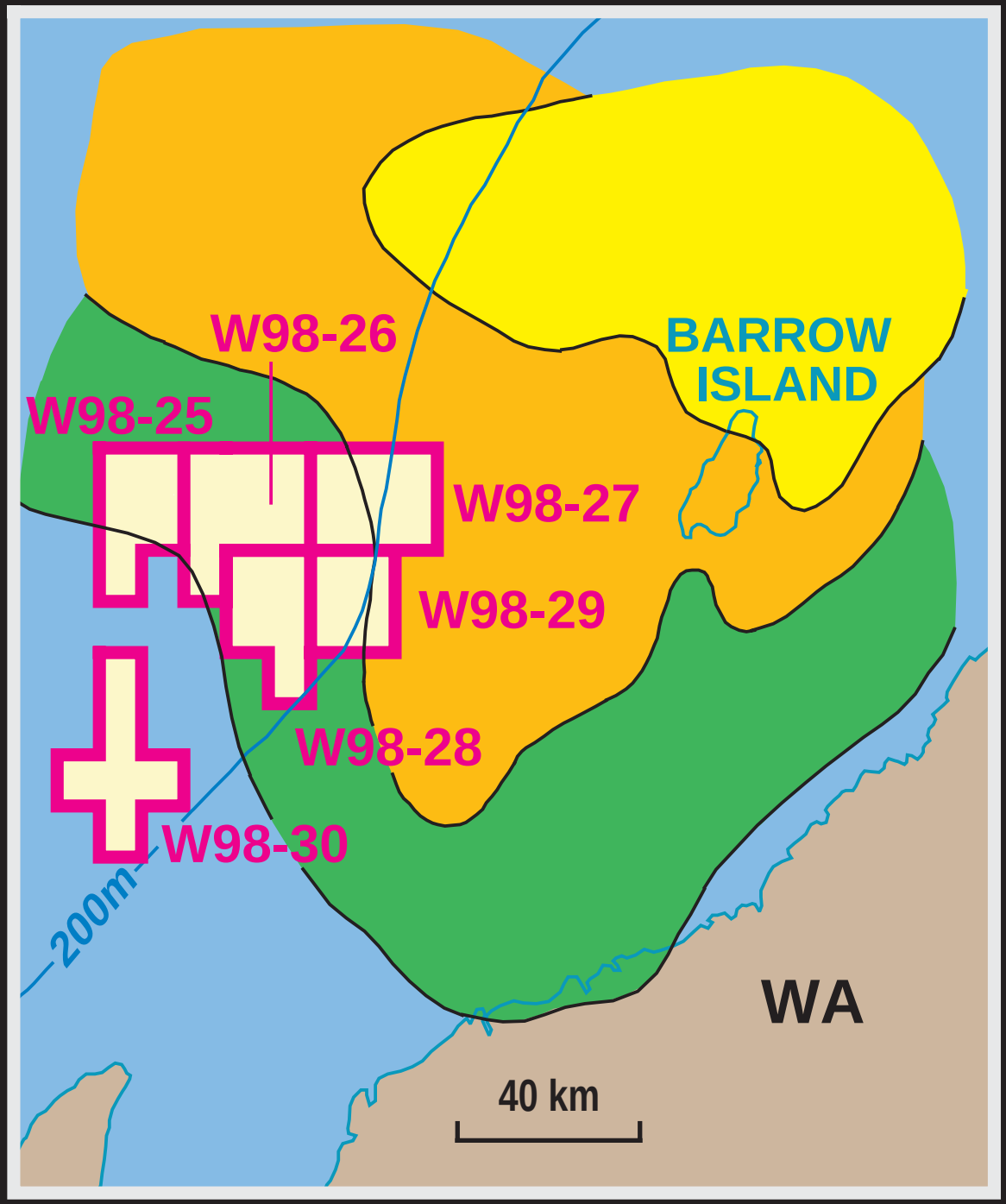
MBBLS/km^2

- 1 - 10
- 10 - 30
- > 30
- *ISOPACH*

(after Robertson Research,1986)

BRS 97/1316

MENU



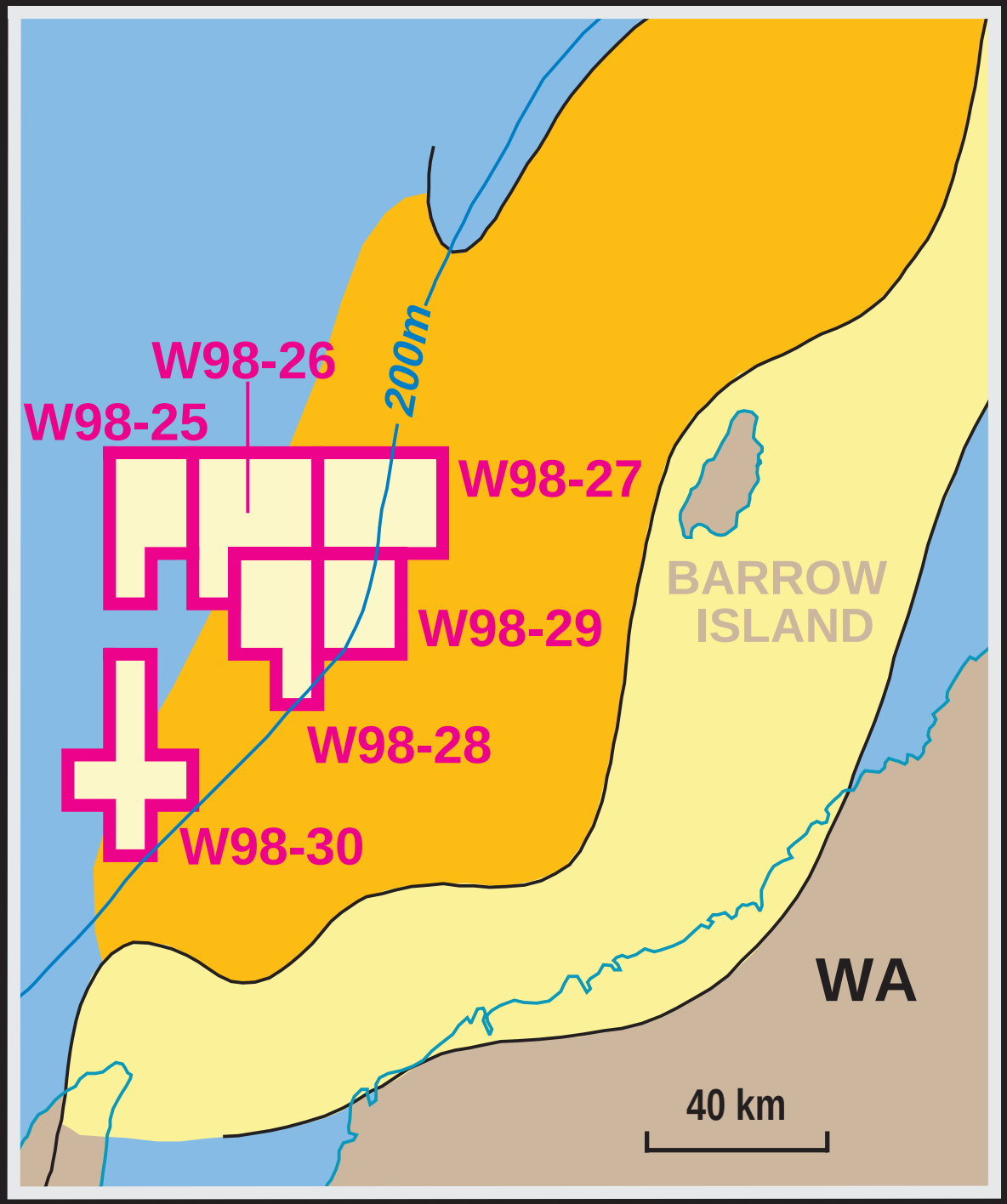
MUDERONG SHALE - SEAL THICKNESS

- 100-200
- 200-500
- > 500

(after Robertson Research, 1986)

BRS 97/1318

MENU



DINGO CLAYSTONE - ORGANIC FACIES

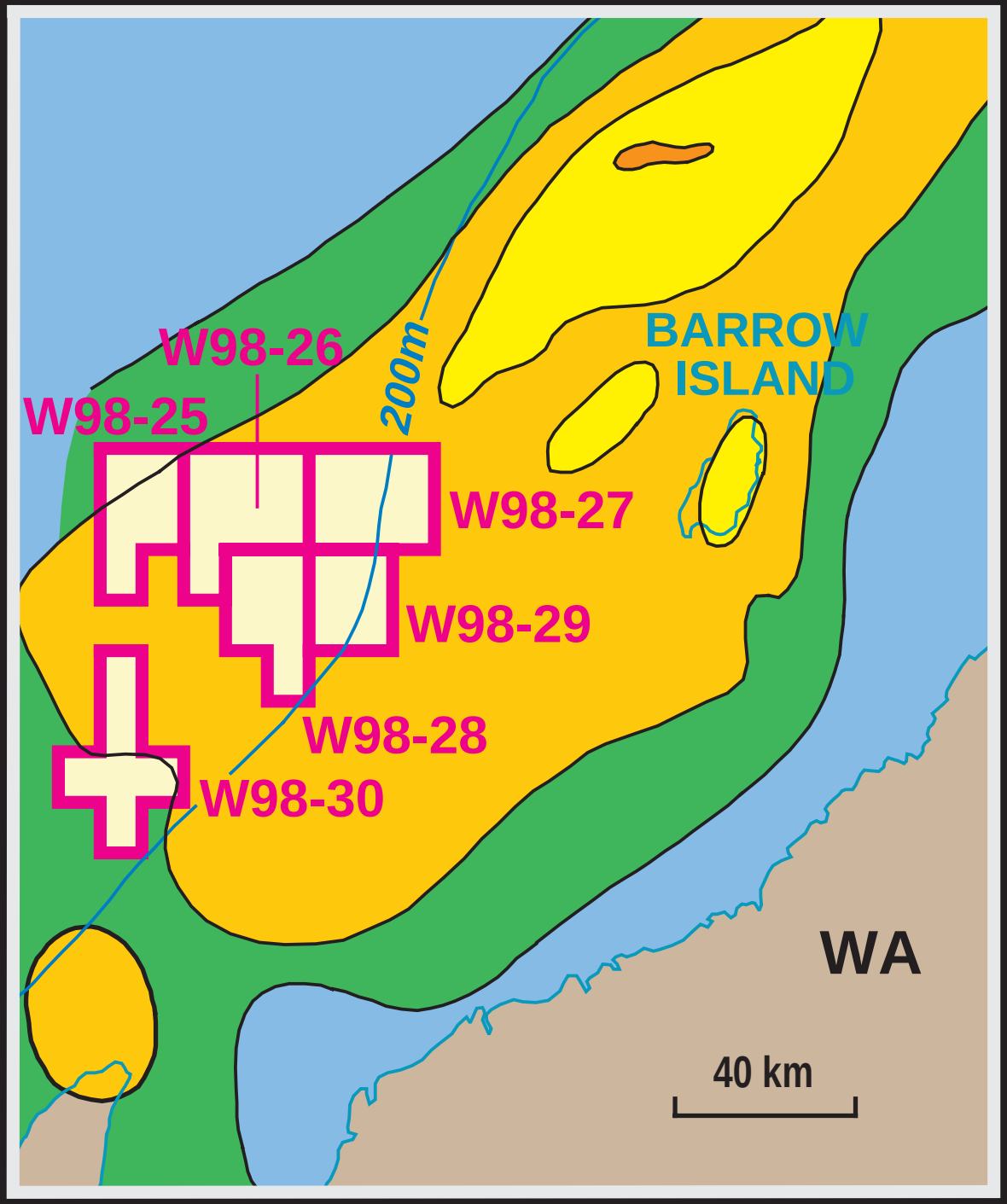
EXINITE OR WAXY KEROGEN

VITRINITE

(after Robertson Research, 1986)

BRS 97/1311

MENU



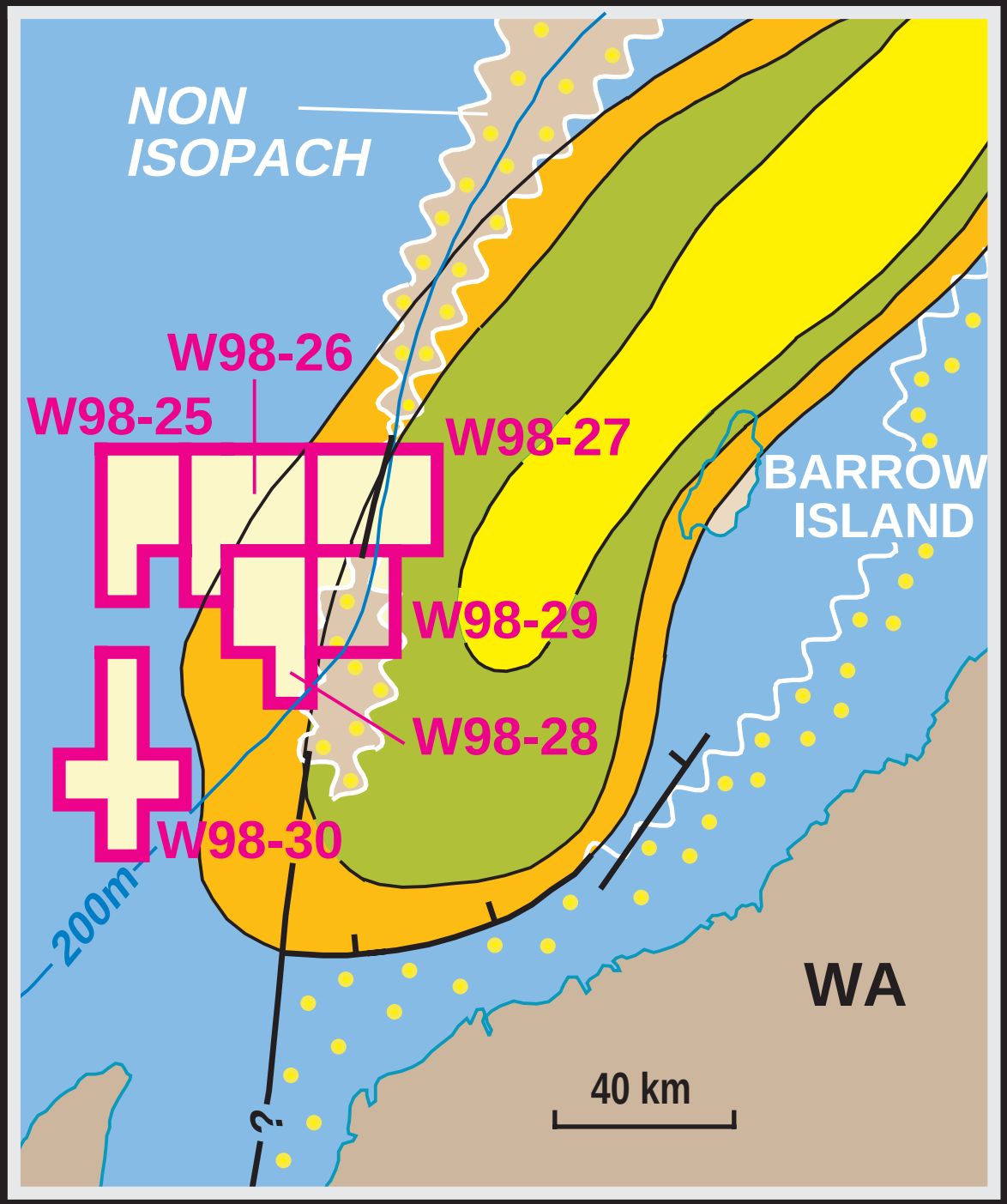
DINGO CLAYSTONE - ORGANIC MATURITY

- EARLY
- MIDDLE
- LATE
- POST

(after Robertson Research, 1986)

BRS 97/1312

MENU



DINGO CLAYSTONE - OIL PRODUCTIVITY

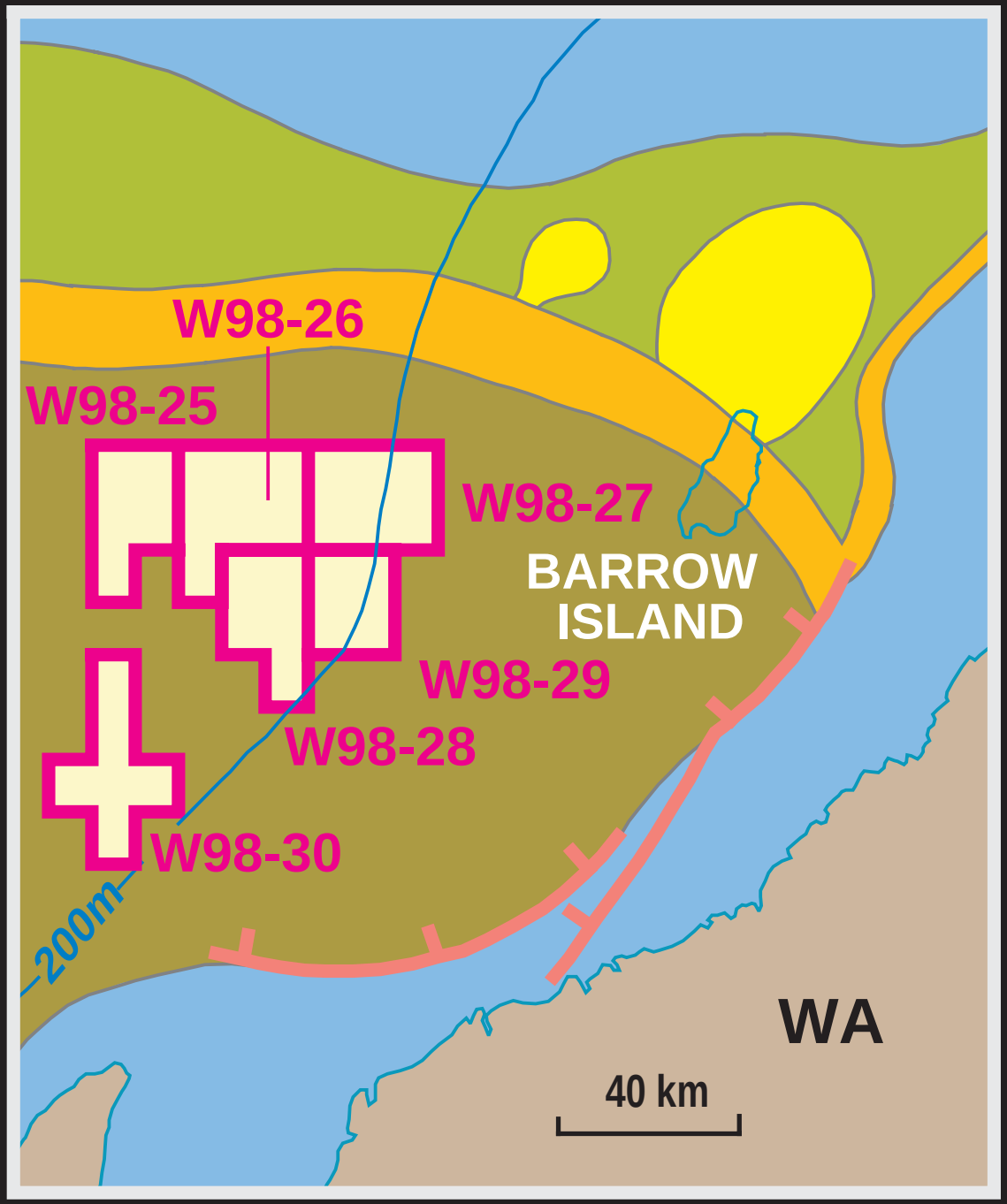
MBBLS/km ^{2}

- 1 - 10
- 10 - 30
- > 30

(after Robertson Research, 1986)

BRS 97/1313

MENU



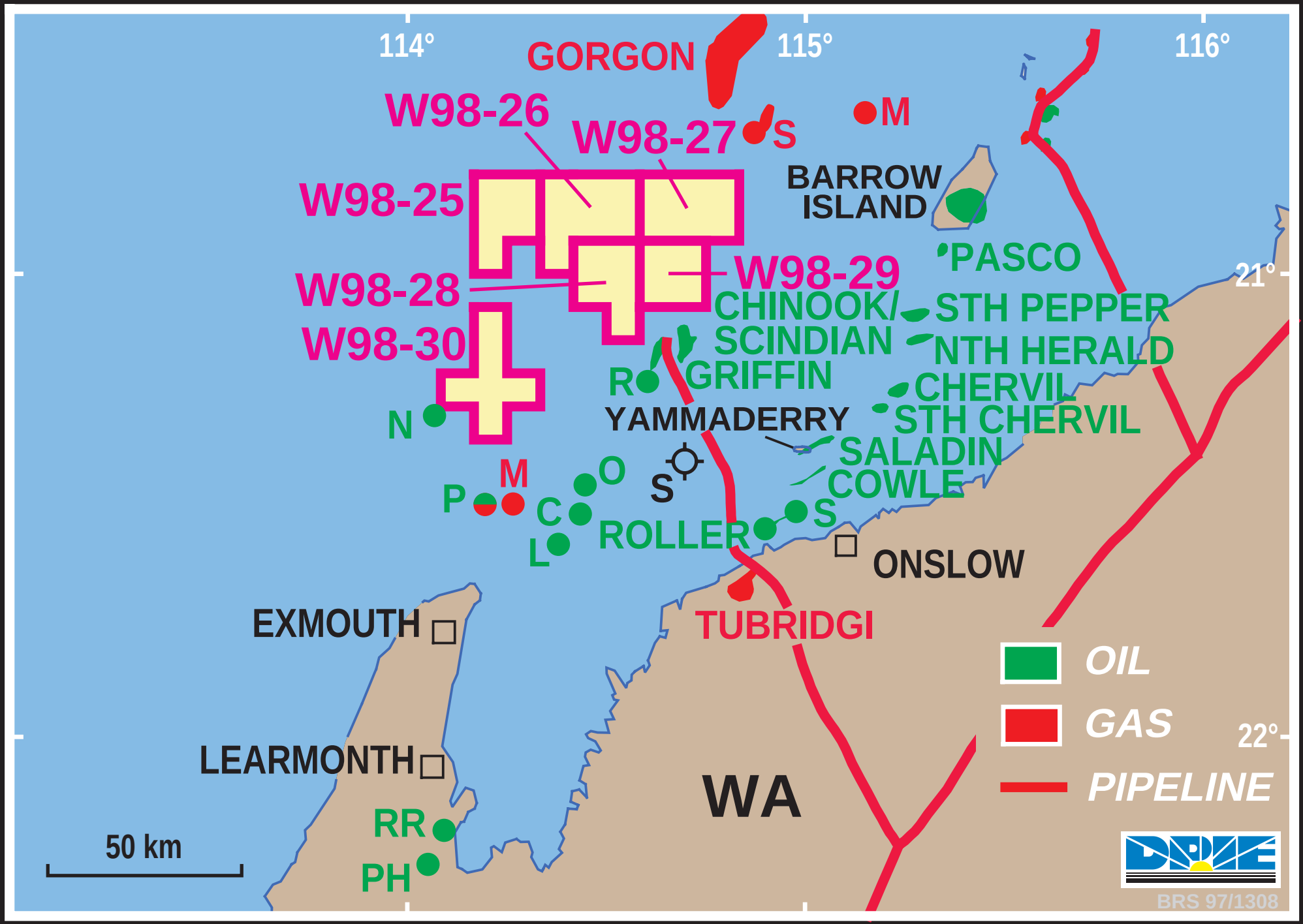
BARROW GROUP - RESERVOIR DISTRIBUTION

- F/DELTAIC SST
- SHELFAL MARINE
- TURBIDITE CLASTICS
- SUBMARINE FAN SST

(after Robertson Research, 1986, Tait 1985)

BRS 97/1317

MENU


114°
115°
116°
21°
22°
GORGON
W98-26
W98-27
S
M
W98-25
BARROW ISLAND
PASCO
W98-28
W98-29
W98-30
CHINOOK/
SCINDIAN
STH PEPPER
NTH HERALD
GRIFFIN
R
CHERVIL
STH CHERVIL
N
YAMMADERRY
SALADIN
COWLE
M
O
S
P
C
L
ROLLER
S
ONSLOW
EXMOUTH
TUBRIDGI
OIL
GAS
PIPELINE
LEARMONTH
WA
RR
PH
50 km
BRS 97/1308

MENU