

Coastal Depositional Systems: Modern and Ancient Analogues in the Swan River Valley



FIELD TRIP DESCRIPTION

Aims & Benefits:

The field trip will address both the modern and ancient analogues of a Coastal Depositional System. Through the use of logs, core and site visits along the Swan river participants will gain:

- ✓ a deeper understanding of common depositional systems observed in coastal depositional environments.
- ✓ an understanding of how the size and complexity of the modern day Swan River 'fits' into the static models of the giant Australian NWS gas fields

Who should attend:

- ✓ Petrophysicists and Geoscientists who contribute to the building and development of static models

Field Trip leaders:

- ✓ Simon Lang (Woodside)
- ✓ Henry Posamentier (Chevron)
- ✓ Andrew Buffin (Senergy)
- ✓ Jeroen Brantjes (Chevron)

Field Trip Date and Location:

8:00 am- 9:00 pm, 19th June 2010

Swan River & WA DMP Core Store, Perth

Field Trip Cost and Registration:

Cost: AUD \$385 (inclusive of GST)

Includes lunch, dinner & refreshments

Registration: see Pre-Registration Form & Brochure

FIELD TRIP PROGRAM

1) Introduction:

- Kings Park – Overview of the Swan River Estuary

2) Modern (Site 1)

- Cottlesloe Beach
- Group discussion

3) Modern (Site 2)

- Peppermint Grove
- Group discussion.

4) Ancient (WA DMP Core Laboratory and Library Facilities)

- Examine a variety of core typifying the various depositional environments associated with a coastal system
- Discuss log character observed over cored intervals
- Integrating log data with core data to establish an understanding of the depositional system
- Consider how the present day architecture of an Australian field was developed

5) Lunch

- A working lunch at the Core Library
- Brief discussion of sites to be visited during afternoon

6) Modern (Sites 3 & 4)

- Swan River (2 sites)
- Group discussion (on each site)

7) Dinner

- Retire to a Black Swan Winery in the Swan Valley
- Wine tasting with wine maker
- Dinner & informal discussions