BARBADOS SEEP SITES

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **LOCATIONS** | **El Pilar** | **Orenoque A** | **Orenoque B** | **Authorities** |
| **Latitude** | 11 14N | 10 19.6N | 10 18.5N | Olu-LeRoy et al. 2007  Olu et al. 1996  (parens depth = He data) |
| **Longitude** | 59 22W | 58 53.5W | 58 37.5W |
| **Depth** | 1200 m (1496 m) | 1690 m (1844 m) | 2080-1950 m (2086 m) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DISTANCES** | **Bridgetown** | **El Pilar** | **Orenoque A** | **Orenoque B** |
| **El Pilar** | 110 nm/200 km |  |  |  |
| **Orenoque A** |  | 61 nmi/112 km |  |  |
| **Orenoque B** |  |  | 16 nmi/29 km |  |
| **Bridgetown** |  |  |  | 175 nmi/322 km |

Cruise Dates: 17-20 May Science welcome on board 2 nights before departure and night of arrival.

Schedule (second draft)

17 May 0900 depart Bridgetown to El Pilar (11h @10 kts average)

2000 on station 14 h; MOCNESS *alpha* then MOORING *alpha* deployment

18 May 1000 depart El Pilar to Orenoque A (6h @10 kts average)

1600 on station 14 h; MOCNESS *beta*  then MOORING *beta* deployment

19 May 0400 depart Orenoque A to Orenoque B (2h @10 kts average)

0600 on station 14 h; MOCNESS *kappa* then MOORING *kappa* deployment

19 May 2000 depart Orenoque B to Bridgetown (18 h @10 kts average)

20 May 1400 arrive Bridgetown

posted *Oceanus* cruising speed is 11 kts

**Map.tiff14+4 (van) berthing**

01 Van Dover

02 Young

03 Maslakova

04 He

05 Eggleston

06 He TBD

07 Eggleston TBD

04 Plouviez

05 Lynne Butler MOCNESS tech

06 Barbados Observer

07 Young/Maskalova TBD

08 Young/Maskalova TBD

09 Young/Maskalova TBD

10 Young/Maskalova TBD

11 Young/Maskalova TBD

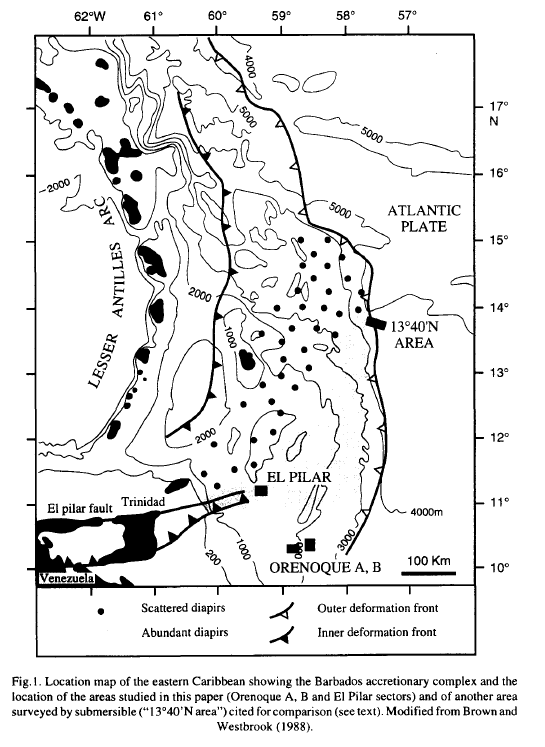
12 Van Dover TBD

13 Laura Brothers (mapping)

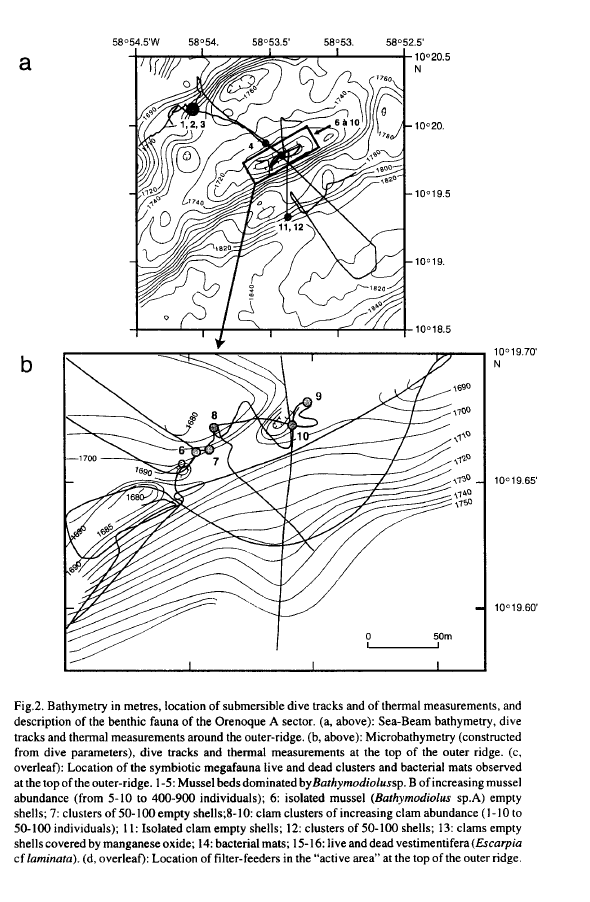
14-18 TBD

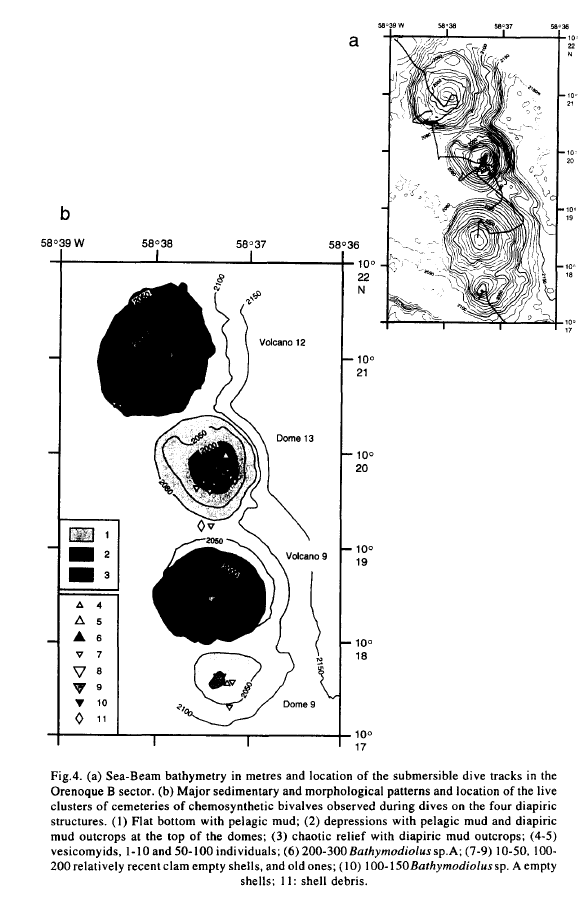
Sibuet and Olu.tiff

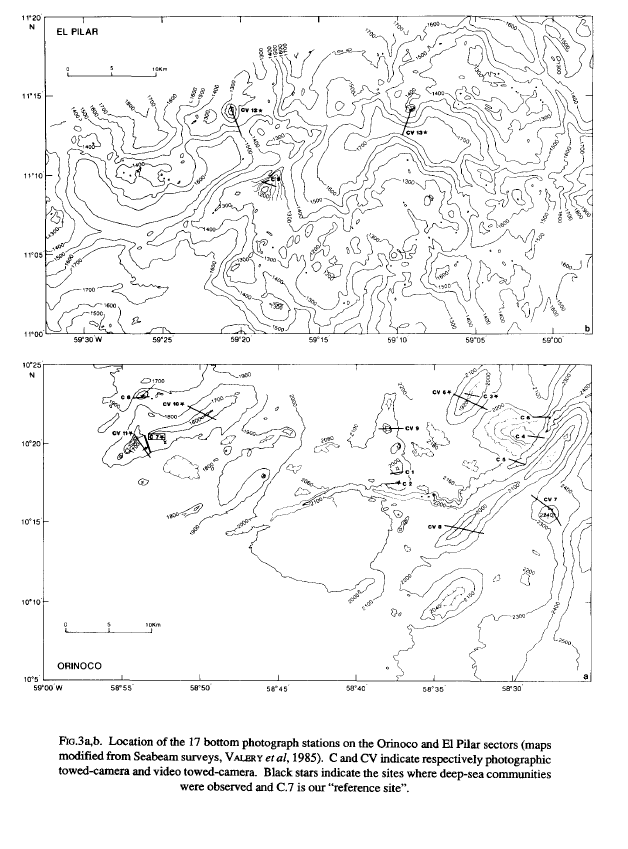
**Sibuet, M.; Olu-Le Roy, K.** (2003). Cold seep communities on continental margins: structure and quantitative distribution relative to geological and fluid venting patterns, ***in***: Wefer, G. *et al.* (Ed.) (2002). *Ocean margin systems.* pp. 235-251

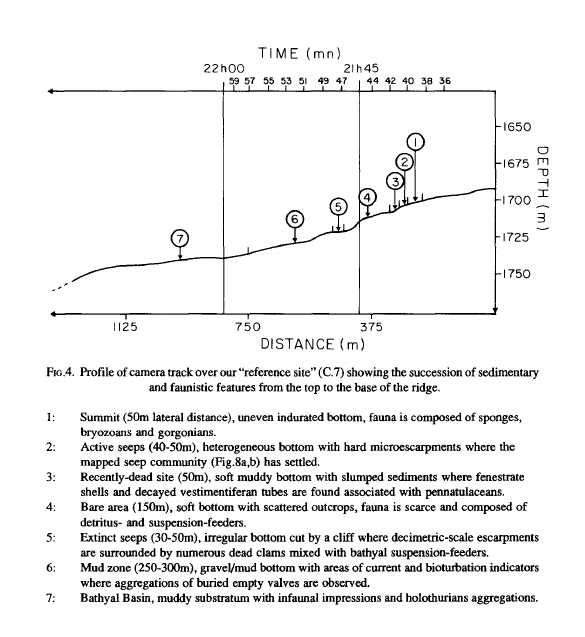


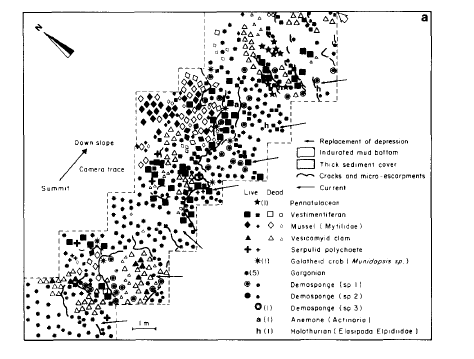
Olu et al. 1996



Olu et al. 1996

Olu et al. 1996Jollivet et al 1990





Jollivet 1990 (Orinoco transect)