

**Frontispiece: Aerial view of Montego Freeport, 1997. (Photo: J.S. Tyndale-Biscoe)**

**Figure 1 Option 1 (worst case scenario) for proposed dredging works at Montego Freeport.**

**Figure 2 Option 2 (best case scenario) for proposed dredging works at Montego Freeport.**

**Figure 1.6.1 Montego Freeport Harbour – existing port layout.**

**Figure 1.7.1 PAJ Montego Freeport Dredging EIA - Locations of sediment sampling stations.**

**Table 1.7.2 Current velocities, wind velocities and river discharge rates, used for POM's OBCs and "free surface" wind stress, during the six (6) model scenarios of the Narinesingh (2002) hydrodynamic study.**

Run Description	Northern Open Boundary Condition (Source: LBII, 1996)	Eastern (i.e. Montego River Discharge) Open Boundary Condition (Source: LBII, 1996)	Western Open Boundary Condition (Source: LBII, 1996)	Wind Imposed Along Model "Free Surface"
Run #1: Pre-Project Bathymetry, April '93 Tidal Current, April '02 Wind Data, No River Discharge	Digitised LBII (1996) OS5 Current Meter Data Set	CLOSED BOUNDARY CONDITION (i.e. No River Discharge)	Same as Northern Open Boundary	April 2002 Wind Data For Donald Sangster Airport (NOAA Website Download)
Run #2: Post-Project Bathymetry, April '93 Tidal Current, April '02 Wind Data, No River Discharge	Digitised LBII (1996) OS5 Current Meter Data Set	CLOSED BOUNDARY CONDITION (i.e. No River Discharge)	Same as Northern Open Boundary	April 2002 Wind Data For Donald Sangster Airport (NOAA Website Download)
Run #3: Pre-Project Bathymetry, April '93 Tidal Current, April '02 Wind Data, Maximum River Discharge	Digitised LBII (1996) OS5 Current Meter Data Set	LBII (1996) Maximum Recorded River Discharge of 18.43 m <sup>3</sup> /sec in June 1979	Same as Northern Open Boundary	April 2002 Wind Data For Donald Sangster Airport (NOAA Website Download)
Run #4: Pre-Project Bathymetry, April '93 Tidal Current, April '02 Wind Data, Annual River Discharge	Digitised LBII (1996) OS5 Current Meter Data Set	LBII (1996) Annual River Discharge of 1.92 m <sup>3</sup> /sec	Same as Northern Open Boundary	April 2002 Wind Data For Donald Sangster Airport (NOAA Website Download)
Run #5: Post-Project Bathymetry, April '93 Tidal Current, April '02 Wind Data, Maximum River Discharge	Digitised LBII (1996) OS5 Current Meter Data Set	LBII (1996) Maximum Recorded River Discharge of 18.43 m <sup>3</sup> /sec in June 1979	Same as Northern Open Boundary	April 2002 Wind Data For Donald Sangster Airport (NOAA Website Download)
Run #6: Post-Project Bathymetry, April '93 Tidal Current, April '02 Wind Data, Annual River Discharge	Digitised LBII (1996) OS5 Current Meter Data Set	LBII (1996) Annual River Discharge of 1.92 m <sup>3</sup> /sec	Same as Northern Open Boundary	April 2002 Wind Data For Donald Sangster Airport (NOAA Website Download)

**Figure 1.7.2 PAJ Montego Freeport Dredging EIA - Locations of water quality sampling stations.**

**Figure 2.1.1 Option 1 (worst case scenario) for proposed dredging works at Montego Freeport.**



**Figure 2.1.1.2 Option 2 (best case scenario) for proposed dredging works at Montego Freeport.**

**Figure 2.4.1 Drawing of a hydraulic cutter suction dredge.**

**Figure 2.4.2 Drawing of a trailing suction hopper dredge.**

**Figure 2.5.1 Proposed area for deep-sea disposal and route of C&W submarine cable (Source: Admiralty chart # 256).**

**Figure 3.1.6 Scatterplots of LBII (1996) 14 day OS4, OS5 and OS6 current meter data sets (07-Apr-93 to 21-Apr-93).**

**Figure 3.1.8 Results of the May 8, 2002 GPS drogue tracking exercise overlaid on depths from Admiralty Chart 468 for Montego Bay.**

**Figure 3.2.1 Map showing MBMP boundaries and sub-zones**