

LAKE

MACQUARIE

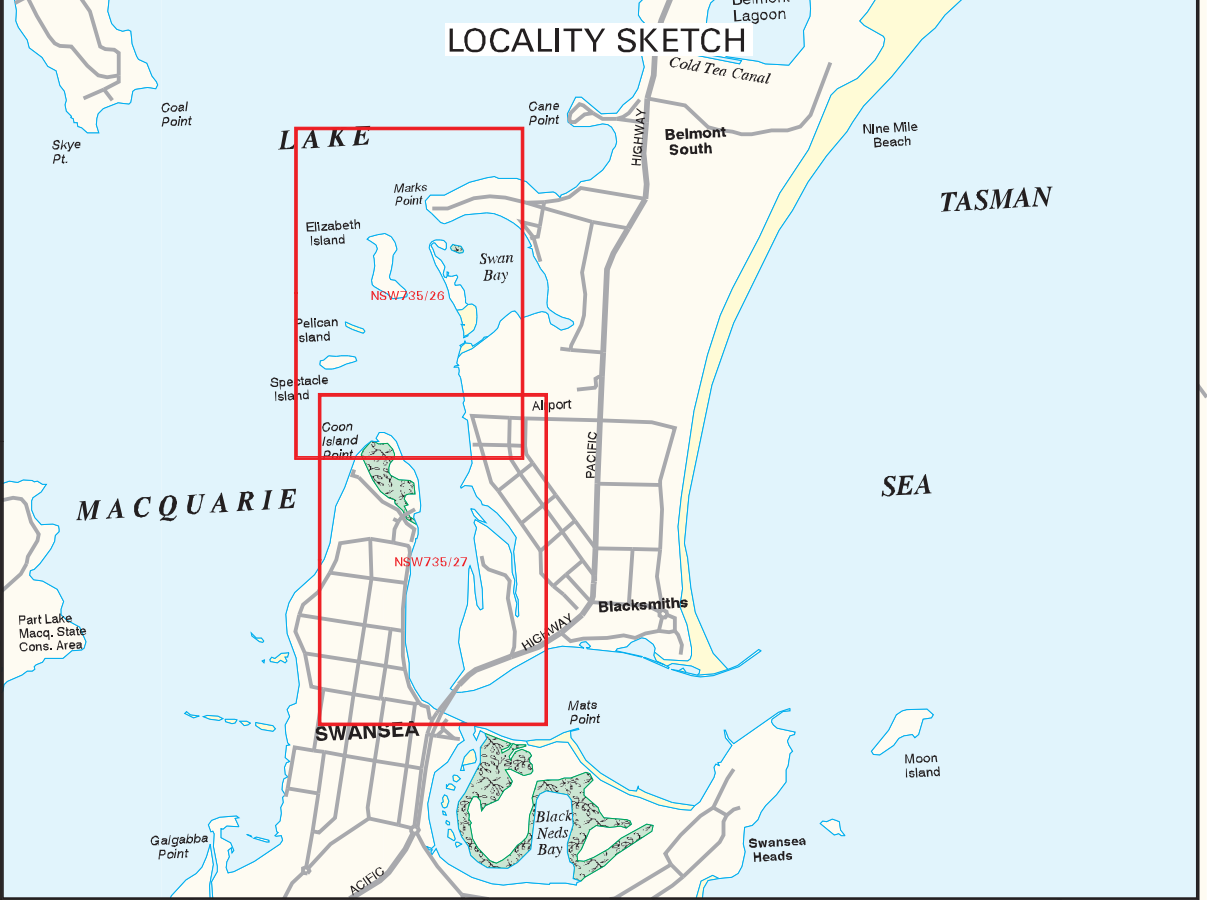
COON ISLAND

SWANSEA

SWANSEA CHANNEL

LITTLE PELICAN

SWANSEA BRIDGE



NSW MARITIME  
HYDROGRAPHIC SURVEY  
OF SWANSEA CHANNEL  
FEBRUARY 2007

SCALE 1: 2000

DATUM: Soundings are related to 0.51 metres below MSL 22884 and 13.613 metres below SSM 33824 being Australian Height Datum. The decimal point denotes the position of each sounding.

SURVEY INFORMATION:  
Sounding by Sounding System: CONFORMAL GRID METRES  
Chart: 19/14/2 2007  
CORS Position System: CONFORMAL GRID METRES  
Operator: F.B. DeLorenzo  
Survey Manager: D. Marino

NOTE: This plan may not be true to scale. Measurements should be taken from the scale bar.

The mean sea level and tidal range are displayed in Table 1. These levels may be influenced by meteorological effects such as atmospheric pressure, wind, temperature, and rainfall, the hydrological effects of floodwater runoff and groundwater discharges, and the oceanographic effects such as waves, currents, salinity, water temperature and El Niño. Water levels in estuaries can also be affected by morphological changes caused by infilling and erosion of sediment near the entrance.

Table 1. Mean sea level and tidal range - Lake Macquarie

Approximate level in m AHD	
Swansea Heads Breakwater (Entrance)	Swansea Channel (Swan Bay)
Range (MHW - MLW)	0.20
Mean Sea Level	0.08

Many Hydraulics Laboratory, on behalf of NSW Maritime, provides this information to the public with the understanding that the levels were determined using a limited data set and are provided as estimates only.

NAVIGATION AIDS

- ★ Lt stbd. beacon no top mark
- ★ Lt port beacon no top mark
- ★ Yellow light beacon
- ★ Special Mark Aqua Buoy
- ★ Pink Beehive Public Mooring
- ★ Lt Stbd Buoy No Top Mark
- ★ Lt Port Buoy No Top Mark
- ★ Lt Port Aqua Buoy
- ★ Lt Spec. Mark Aqua Buoy

DEPTH OF WATER

- 1 to 2 metres
- 2 to 3 metres
- 3 to 4 metres
- 4 to 5 metres
- 5 to 6 metres
- 6 to 7 metres
- 7 to 8 metres
- 8 to 9 metres
- 9 to 10 metres
- 10 to 11 metres
- 11 to 12 metres
- Greater than 12 metres

Land  
Sand  
Nat.Pk.  
Park  
Mangroves

Previous Plan: NSW735/24

NSW735/27