



The Nathan Drew Memorial Trust for Coastal Safety

NATHAN DREW MEMORIAL TRUST

COASTAL SAFETY

SILENT SENTRY

OPERATIONS MANUAL

DO NOT PUT YOUR LIFE AT RISK

Coastal Safety Pty Ltd as trustee for the
Nathan Drew Memorial Trust
PO Box 642, ALBANY, WA 6331
Graeme Drew 0428 425 104
Theo Newhouse 9853 1053
www.coastalsafety.com.au

MANUAL NUMBER:

LOCATION:

DISTRIBUTION	
MANUAL	LOCATION
1	Theo Newhouse - Nathan Drew Memorial Trust
2	Graeme Drew - Nathan Drew Memorial Trust
3	Melinda Drew - Nathan Drew Memorial Trust
4	Albany Police Station
5	Albany Police Station
6	Department of Environment and Conservation – Albany Office
7	Youngs Sidings Progress Association
8	Albany Sea Rescue Squad Inc.
9	Denmark Sea Rescue Group

REVISIONS	
DATE	DESCRIPTION
01/02/2010	Amended EPIRB data for NDMT-2 on page 11

MANUAL UPDATED	
DATE	NAME & SIGNATURE
01/02/2010	Theo Newhouse

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EMERGENCY PROCEDURE

1. When a Silent Sentry is activated, that is, when a float has been removed a signal will be transmitted by the EPIRB to AMSA.
2. AMSA will contact the following by telephone:
 - (1) 08 9892 9300 Albany Police Station
 - (2) 08 9442 8600 WA Water Police Operations
 - (3) 08 9853 1053 and 0428 425 104 Theo Newhouse and Graeme Drew
3. Albany Police will respond to the call from AMSA by contacting the following in accordance with their standard protocol:
 - (1) 0427 923 557 Albany Sea Rescue Squad Inc., or,
 - (2) 08 9848 3899 Denmark Sea Rescue Group
 - (3) 08 9442 8600 WA Water Police Operations
4. Albany Police will notify the following if the alert was a false alarm:
 - (1) 0427 923 557 Albany Sea Rescue Squad Inc.
 - (2) 08 9442 8600 WA Water Police Operations
 - (3) 08 9853 1053 and 0428 425 104 Theo Newhouse and Graeme Drew
 - (4) 1800 641 792 Australian Maritime Safety Authority
5. Control of attendance to and on site will be with Albany Police. Any members of the Nathan Drew Memorial Trust and others associated with the Silent Sentry must comply with the instructions provided by the attending Police.
6. Nathan Drew Memorial Trust members Graeme Drew or Theo Newhouse will inspect the integrity of the Silent Sentry, replace any damaged and missing floats and ensure the EPIRB is re-armed and operational.
7. The Albany Police will complete an incident report and provide a copy to the Nathan Drew Memorial Trust. This includes false alarms.
8. A personal floatation device such as a buoyancy vest must be worn when attending Silent Sentry sites. Two vests are available at Albany Police Station. Vests are also available at the following stores:
 - Trailbazers, 184 Albany Highway, Albany
 - Albany Rods & Tackle, 40 Stirling Terrace, Albany
 - Little Grove General Store, 639 Frenchmans Bay Road, Little Grove, Albany
 - Youngs Siding General Store, 19 Stations Street, off Lower Denmark Road, Youngs Siding
 - Wellstead General Store, 20 Windsor Road, Wellstead
 - BP Service Centre, 5 Gnombup Terrace, Bremer Bay

SILENT SENTRY DESCRIPTION

The Silent Sentry is constructed using grade 316 stainless steel.

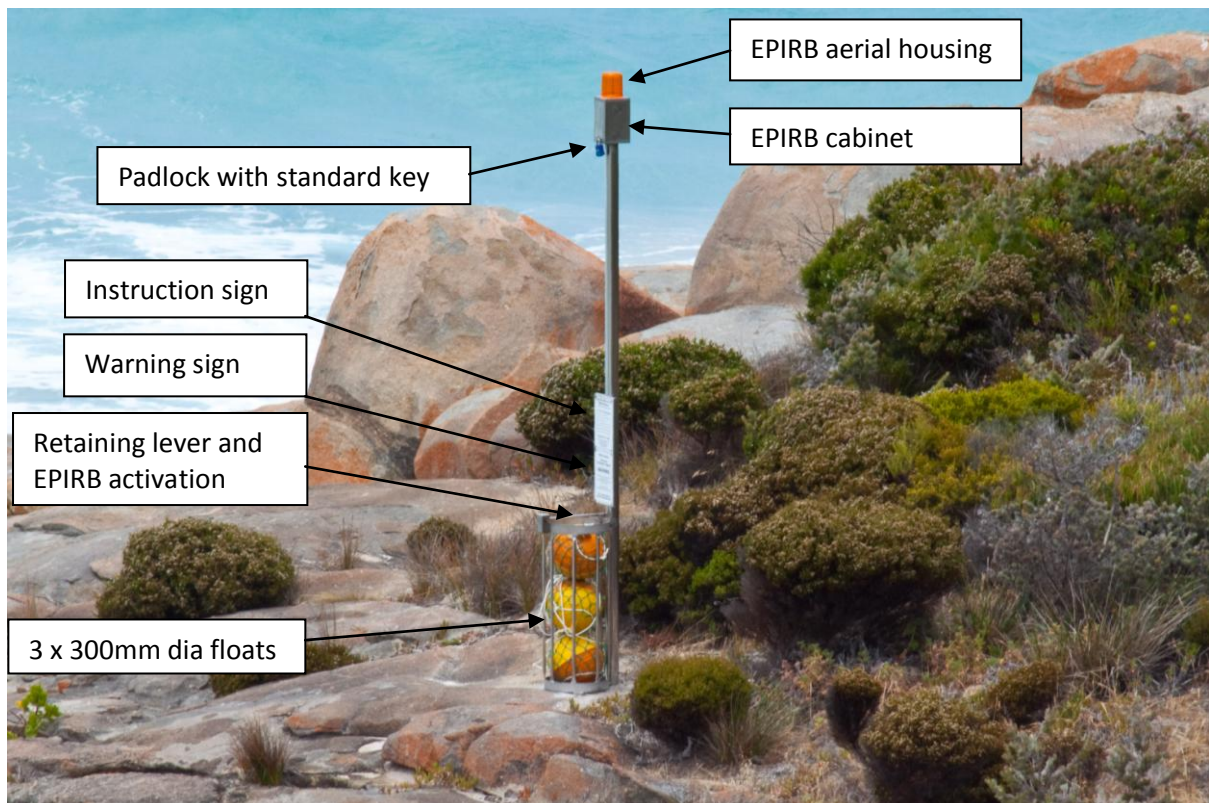
The unit consists of a cage which contains three 300mm diameter floats. Each float has a rope mesh surrounding it and a rope handle at each end that a person can hold on to. A float is removed from the cage by sliding a horizontal retaining bar across. The float should be rolled down to the person in the water in accordance with the instructions on the Silent Sentry.

The Silent Sentry has a 3m high vertical column attached to the cage with a cabinet on top that contains a manually activated GME MT400 EPIRB. The cabinet is locked with a padlock that has the same key for all Silent Sentries.

When the float retaining bar is moved across, a plunger drops within the vertical column which presses the activation button on the EPIRB. A unique digital signal is transmitted which is captured by a polar orbiting satellite and transmitted on to the Australian Maritime Safety Authority (AMSA) in Canberra. As the EPIRB transmits a unique signal and every EPIRB is registered with AMSA, AMSA is able to telephone the contacts listed for the particular EPIRB (see Emergency Procedures for telephone numbers that will be called by AMSA).

The purpose of the Silent Sentry is to provide flotation assistance to the person in the water thus extending the survival time, and to also provide early warning to rescue authorities to reduce response time. Time is the most crucial element in rescuing a person in the ocean. The available time varies dramatically depending on water conditions, weather conditions, the person's physical fitness, the person's mental attitude, the clothing worn and injuries sustained in the fall.

A TYPICAL SILENT SENTRY



INSTRUCTION AND WARNING SIGN ON THE SILENT SENTRY



RESETTING A SILENT SENTRY EPIRB

After an EPIRB has been activated, that is, the retaining lever (arm) has been moved to remove a float, the EPIRB can be reset by inserting a pen or similar into the slot in the post where the retaining lever enters. Lift the EPIRB trigger rod and close the retaining lever under it. Lift the EPIRB trigger rod and close the retaining lever under it.

The Australian Maritime Safety Authority must be contacted on 1800 641 792 and advised that the EPIRB has been reset. Also notify the Nathan Drew Memorial Trust (Theo Newhouse 0447 531 055 or Graeme Drew 0428 425 104). The Trust will check the Silent Sentry and replace any missing floats.



NDMT-1

SALMON HOLES – NORTH

LOCATION DESCRIPTION

This Silent Sentry is located on rocks at the north end of the bay known as Salmon Holes in the Torndirrup National Park. This is a very popular and easily accessible recreational fishing location.

COORDINATES OF LOCATION

Based on Google Earth coordinates 35°06'06"S 117°58'12"E

MAP OF LOCATION



ACCESS INFORMATION

Coming from Albany; from Frenchman Bay Road, turn west (right) into Salmon Holes Road. The carpark is at the end of Salmon Bay Road with a path and timber steps down to the beach at the north west corner of the carpark. Follow the beach north and access to the Silent Sentry is over rocks at the end of the beach.

DATE INSTALLED

6 November 2009

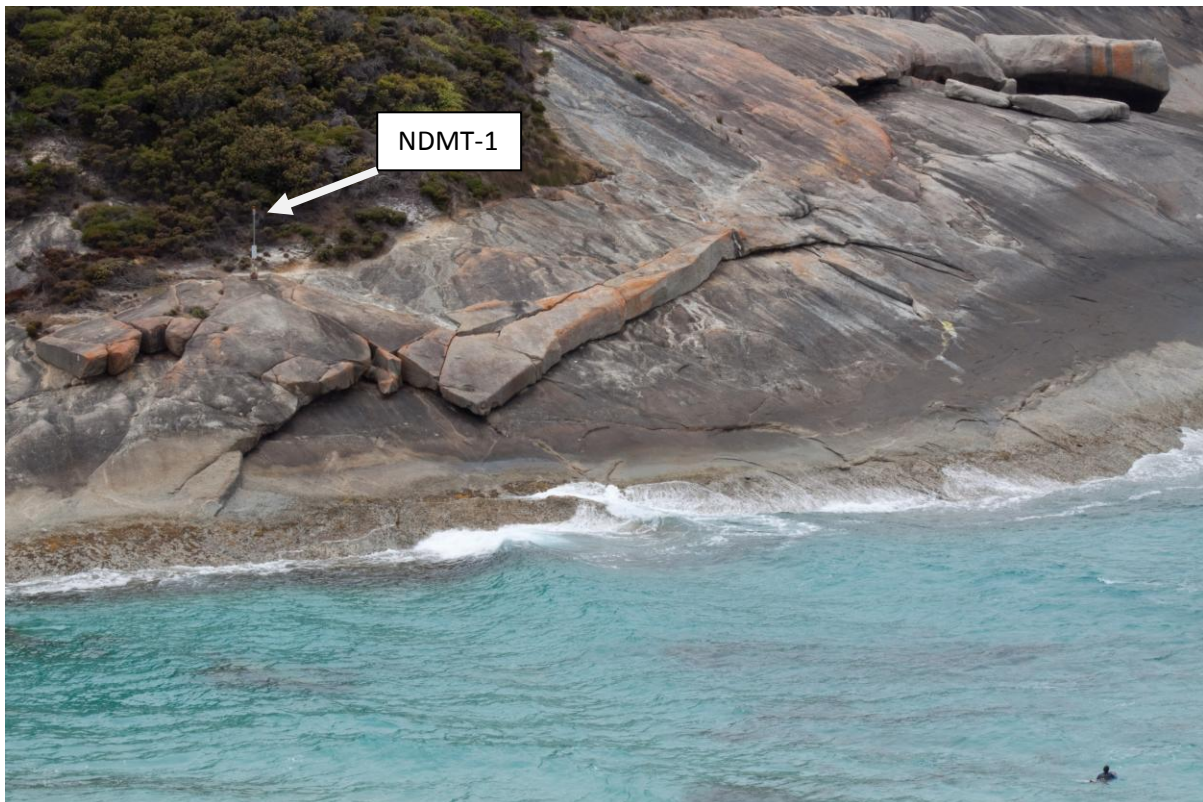
AMSA REGISTRATION DETAILS

Registered:	6/11/2009
Serial number:	904122851
Beacon Hex ID:	BEEE477F8C0022D
Coded Identity:	serial # 122851
Beacon Manufacturer:	GME
Beacon Model:	MT400 EPIRB
Craft name:	Silent Sentry – Salmon Holes North
Callsign/Rego:	NDMT-1

COMMUNICATIONS AVAILABLE AT SITE

There is no Next-G telephone signal at the Silent Sentry location or on the beach. There is Telstra Next-G telephone communication possible from the carpark.

PHOTO OF LOCATION



GENERAL INFORMATION

The condition of the access to the Silent Sentry is reasonable in mild weather conditions but extreme caution must be taken during storms, windy conditions and large swells. Waves will wash over the rock face without warning where fishing is carried out. Avoid black and wet rocks as they are extremely slippery.

NDMT-2

SALMON HOLES – SOUTH

LOCATION DESCRIPTION

This Silent Sentry is located on rocks at the south end of the bay known as Salmon Holes in the Torndirrup National Park. This is a very popular and but difficult to access recreational fishing location.

COORDINATES OF LOCATION

Based on Google Earth coordinates 35°06'17"S 117°58'04"E

MAP OF LOCATION



ACCESS INFORMATION

Coming from Albany; from Frenchman Bay Road, turn west (right) into Salmon Holes Road. The carpark is at the end of Salmon Bay Road with a sand/limestone path leading from the south-west (right) corner of the carpark to timber steps down to the beach at the south end of the bay. Follow the edge of the vegetation in a south-west direction; proceed over several smaller rock that may be submersed to a rock ledge.

DATE INSTALLED

01 February 2010 to replace previous EPIRB which gave incorrect HEX ID when activated.

AMSA REGISTRATION DETAILS

Registered:	01/02/2010
Serial number:	909160388
Beacon Hex ID:	BEEE49CA100022D
Coded Identity:	serial # 160388
Beacon Manufacturer:	GME
Beacon Model:	MT400 EPIRB
Craft name:	Silent Sentry – Salmon Holes South
Callsign/Rego:	NDMT-2

COMMUNICATIONS AVAILABLE AT SITE

There is no Next-G telephone signal at the Silent Sentry location or on the beach. There is Telstra Next-G telephone communication possible from the carpark.

PHOTO OF LOCATION



GENERAL INFORMATION

The condition of the access to the Silent Sentry is difficult due to having to cross smaller rocks that may be submerged. Accessing the location must be done with extreme care and with assistance. It is considered to be dangerous during stormy weather and rough sea conditions. Suitable rock walking footwear must be worn.

NDMT-4 LOWLANDS BEACH – WEST

LOCATION DESCRIPTION

This Silent Sentry is located at the western end of Lowlands Beach in the Lowlands Reserve (City of Albany).

COORDINATES OF LOCATION

Based on Google Earth coordinates 35°04'31"S 117°30'59"E

MAP OF LOCATION



ACCESS INFORMATION

Access information to be inserted.

DATE INSTALLED

28 December 2009

AMSA REGISTRATION DETAILS

Registered:	28/12/2009
Serial number:	909157827
Beacon Hex ID:	BEEE49A20C0022D
Coded Identity:	serial # 157827
Beacon Manufacturer:	GME
Beacon Model:	MT400 EPIRB
Craft name:	Silent Sentry – Lowlands Beach West
Callsign/Rego:	NDMT-4

COMMUNICATIONS AVAILABLE AT SITE

Communication information to be inserted.

PHOTO OF LOCATION



GENERAL INFORMATION

Access to the site is via a loose sand track and requires 4WD and lowering of tyre pressure. The track is narrow, winding and with poor sight distance and needs to be driven with caution. There are numerous other tracks that lead in various directions. The Silent Sentry is visible from the Lowlands Beach first carpark.

NDMT-5

BUM ROCK – LOWLANDS RESERVE

LOCATION DESCRIPTION

The Silent Sentry is located on rocks adjacent to parking area at Bum Rock in the Lowlands Reserve (City of Albany).

COORDINATES OF LOCATION

Based on Google Earth coordinates 35°04'53"S 117°30'44"E

MAP OF LOCATION



ACCESS INFORMATION

Coming from Albany; from Lower Denmark Road, turn south (left) into Tennessee Road South (approximately 30km west of Albany). Continue for 4.3km passing Thompson Road on the right to entrance to Reserve on the right (a sandy 4WD track only). Measuring from Tennessee South Road, at 0.9km pass Second Beach turn-off; at 1.8km is Bum Rock turn-off to the left. Turn left into Bum Rock track and at 2.3km is large flat granite rock. Continue south to south-east and at 2.8km is Bum Rock Silent Sentry. The Silent Sentry is located on a large flat rock surface.

DATE INSTALLED

7 December 2009

AMSA REGISTRATION DETAILS

Registered:	8/11/2009
Serial number:	909141029
Beacon Hex ID:	BEEE489B940022D
Coded Identity:	serial # 141029
Beacon Manufacturer:	GME
Beacon Model:	MT400 EPIRB
Craft name:	Silent Sentry – Bum Rock Lowlands Reserve
Callsign/Rego:	NDMT-5

COMMUNICATIONS AVAILABLE AT SITE

There is Telstra Next-G telephone communication possible at the Silent Sentry location.

PHOTO OF LOCATION

Photo to be inserted.

GENERAL INFORMATION

Access to the site is via a loose sand track and requires 4WD and lowering of tyre pressure. The track is narrow, winding and with poor sight distance and needs to be driven with caution. There are numerous other tracks that lead in various directions. The location of the Silent Sentry is adjacent to a sandy parking area, well above water level and relatively safe from swells and spray.

NDMT-6

THE DEEP – LOWLANDS RESERVE

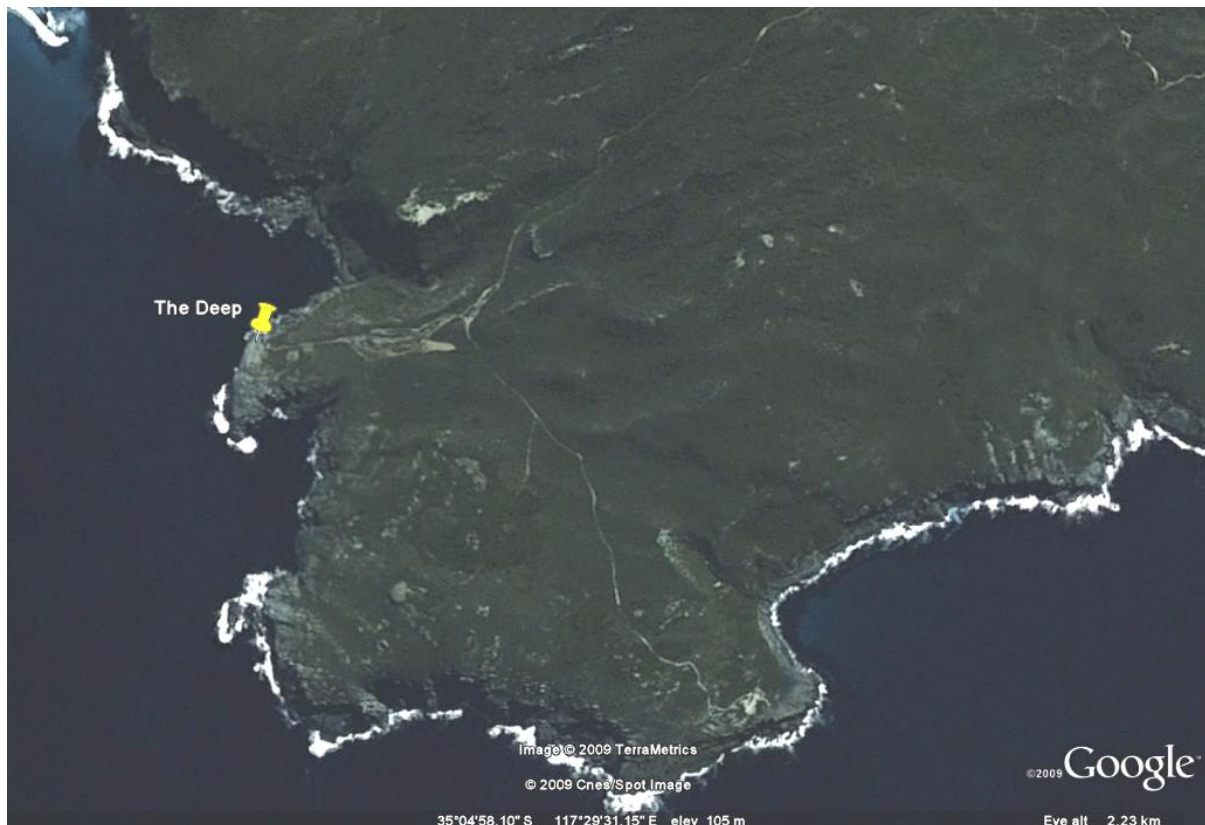
LOCATION DESCRIPTION

This Silent Sentry is located on rock at the Deep in the Lowlands Reserve. The site is accessible by 4WD only and requires tyres to be deflated. Many fishermen leave their vehicle parked at the top of the ridge overlooking the bay and walk down to the water. The top rock face is several metres above water level and access to the water is extremely difficult.

COORDINATES OF LOCATION

Based on Google Earth coordinates 35°04'53"S 117°29'01"E

MAP OF LOCATION



ACCESS INFORMATION

Coming from Albany; from Lower Denmark Road, turn south (left) into Tennessee Road South (approximately 30km west of Albany). Continue for 4.3km passing Thompson Road on the right to entrance to Reserve on the right (a sandy 4WD track only). Measuring from Tennessee South Road, at 0.9km pass Second Beach turn-off; at 1.8km pass Bum Rock turn-off to the left; continue along the track and at 2.7km there is a fork in the track and veer left; at 4.25km is the top of the ridge above the Deep. Continue a further 500m to down the ridge to the Deep Silent Sentry. The track from the Deep to the top of the ridge is steep and sandy and difficult to get back up. There is rubber matting on the track but this gets moved and cannot be relied on for traction.

DATE INSTALLED

7 December 2009

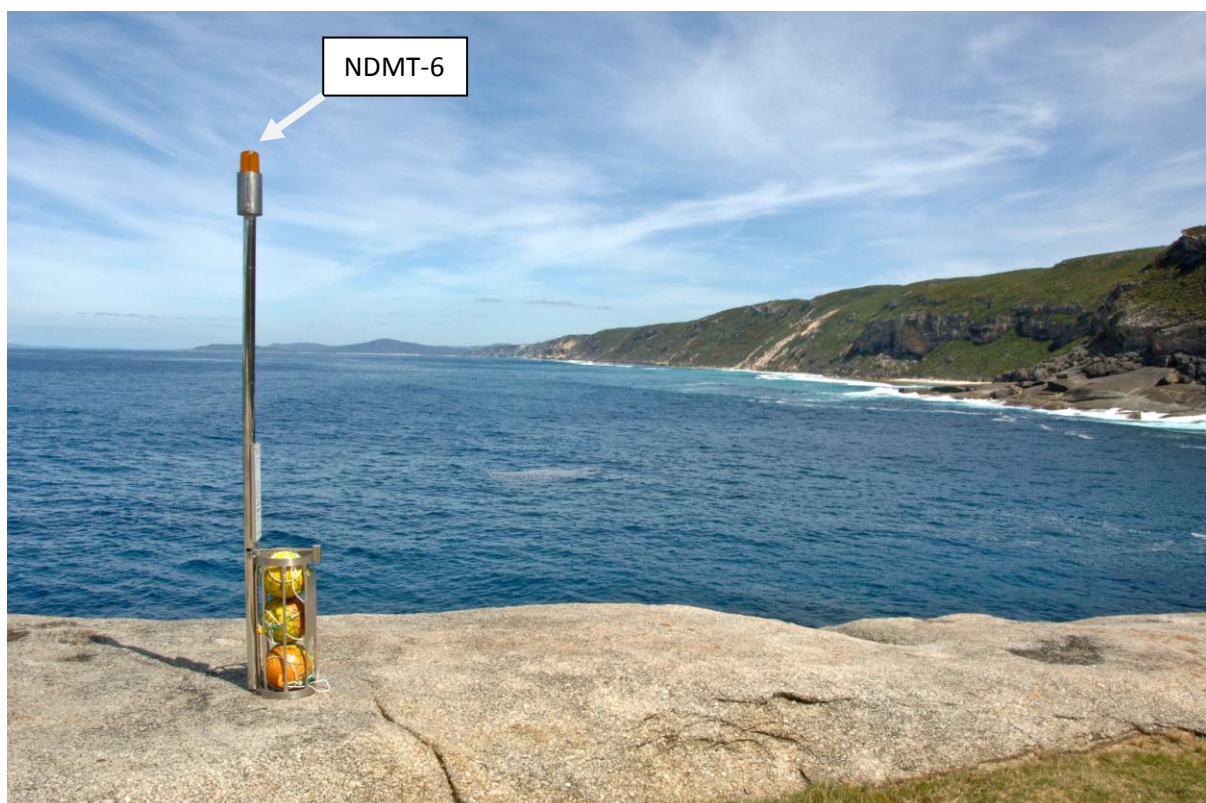
AMSA REGISTRATION DETAILS

Registered:	8/12/2009
Serial number:	905139950
Beacon Hex ID:	BEEE488AB80022D
Coded Identity:	serial # 905139950
Beacon Manufacturer:	GME
Beacon Model:	MT400 EPIRB
Craft name:	Silent Sentry – the Deeps Lowlands Reserve
Callsign/Rego:	NDMT-6

COMMUNICATIONS AVAILABLE AT SITE

There is Telstra Next-G telephone communication possible at the Silent Sentry location.

PHOTO OF LOCATION



GENERAL INFORMATION

Access to the site is via a loose sandy track and requires 4WD and lowering of tyre pressure. The track is narrow, winding and with poor sight distance and needs to be driven with caution. There are numerous other tracks that lead in various directions. The site where the Silent Sentry is located is well above water level but could get wet from spray during large swells and winds.

AUSTRALIAN MARITIME SAFETY AUTHORITY

Australian 406 MHz Distress Beacon Register and MMSI Database

Confirmation letters attached.