



Document Title:

Jetty Information

1.0 **LOCATION**

Nigg Oil Terminal is located approximately 1.5km South West of the village of Nigg, 15km South of Tain and 56km North East of Inverness. The site is centred at NGR NH 79187 70435.

The site is bound to the North by Nigg Bay, to the East by the minor B9175 road, to the South by Nigg Energy Park and to the West by the Cromarty Firth.

Nigg Oil Terminal is situated within a sheltered port.

The approaches, anchorages, and berth are shown on Admiralty chart UK1889.

2.0 **CAPABILITIES**

Nigg Oil Terminal Jetty is designed to receive tankers up to 150,000 dwt in order to:

- Load and receive cargoes of stabilised crude oil
- Receive oily ballast water, produced water or slops water from tankers
- Facilitate ship to ship oil transfers

The Jetty is designed to accept vessels within the following parameters:

- Maximum length overall 290 metres
- Minimum length overall 170 metres
- Maximum displacement 180,000 tonnes
- Dead-weight 30,000 tons to 150,000 tonnes

A minimum depth of water of 21 metres below chart datum is available alongside the berth.

In the approaches to the terminal a depth of at least 15.1 metres below chart datum occurs in the buoyed fairway approximately 0.5 nautical miles within the port limits.

Within the port limits vessels should maintain a minimum underkeel clearance of 2 metres.

3.0 **FACILITIES**

The jetty facilities comprise a piled jetty head 37m long by 24m wide with a top deck level 9.15m above chart datum and linked by a 500m open piled trestle roadway to the main terminal area. The jetty head carries the loading facilities which include 3 x 16" loading arms. Each loading arm can be connected into either the crude oil loading/receiving line or the ballast line which serves the jetty and is carried on the roadway trestle.

Pigging arrangements are provided on the jetty head, which is recessed 3.75m behind a line of four fendered berthing dolphins. These dolphins comprise two pairs, each pair symmetrically located at 30m and 48m centres from the centre of the jetty head.

Four mooring dolphins, symmetrically located about the jetty head and linked by a walkway are situated in pairs at 200 and 300 metres between centres respectively, the inner pair being located 42.5 metres and the outer pair 32.5 metres landwards from the berthing line.

Quick release mooring hooks are fitted to all berthing and mooring dolphins.

Additionally, a 50 ton mooring bollard is located at each outer corner of the jetty head for use by small vessels and barges etc.

A service area approximately 40m x 25m is located where the trestle way changes direction about 50m landwards of the jetty head. Included in the service area are fire pumps, a substation and hydraulic power packs for operation of jetty equipment.

A launch landing pontoon is linked by a gangway to the jetty trestleway on the downstream side about 60 metres landwards from the jetty head.