



ROOTED IN NATURE

Girlsta

Freshwater Storage Site

Supporting Information

Introduction

Grieg Seafood Shetland Ltd are applying to Shetland Island's Council for planning permission to install two cages to act as freshwater storage reservoirs at Girlsta, Shetland.

This site is solely for the purpose of collection and storage of a fresh water supply, to be utilised in the treatment of sea lice and AGD in the nearby Grieg salmon farms. No fish will be held at the site at any time.

Location

The site is located within the Wadbister Voe area in Shetland. The site does not sit within any special areas of conservation. As Grieg Seafood Shetland Ltd have existing finfish farming sites and the fish hatchery within the vicinity, it is anticipated that there will be no increase in boat activity within the area.

Equipment

The proposal is to collect the freshwater overflow from the inlet watershed at the Girlsta hatchery which will be gravity fed through 200mm PVC or HDPE pipe into two 90m circumference cages fitted with 6m deep tarpaulins in the sea. The tarpaulins will store up to 3200m³ of freshwater in each cage.

The pipeline will run from the shore along the pontoon. Once it has reached the the end of the pontoon, 500kg concrete mattresses (2m x 2m x 0.1m) at 6m intervals will be placed on the seabed to secure the pipe. When it has reached the cages, the pipe will be floated to the surface between the two cages, with a tee directing pipes to each cage. Please see the accompanying charts and diagrams for a visual representation. The total time for the works to be completed is anticipated to be 1 week.

There is no requirement for any top nets or predator nets. The cage boundaries and site will be lit according to NLB requirements.

Site Usage

Wellboats will be able to moor alongside the cages and siphon onboard the freshwater for use in treatments at Grieg Seafood Shetland Ltd fish farming sites within the area as and when required. There will be no discharges to the marine environment at the application site with all wellboat discharges likely to take place at fish farm locations under marine licence conditions stipulated by Marine Scotland.