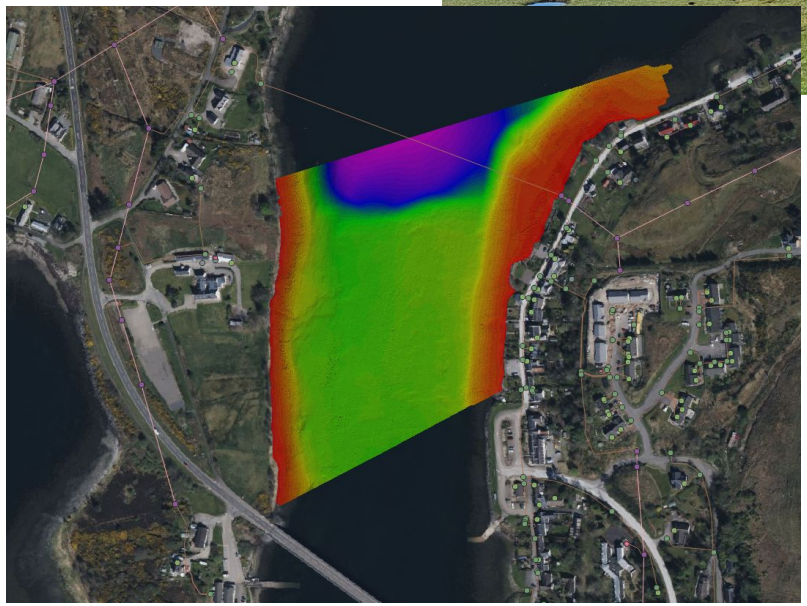
LOCH LONG – DORNIE
SUBSEA CABLE REPLACEMENT
Dornie & District Community Council
26 May 2025

AGENDA

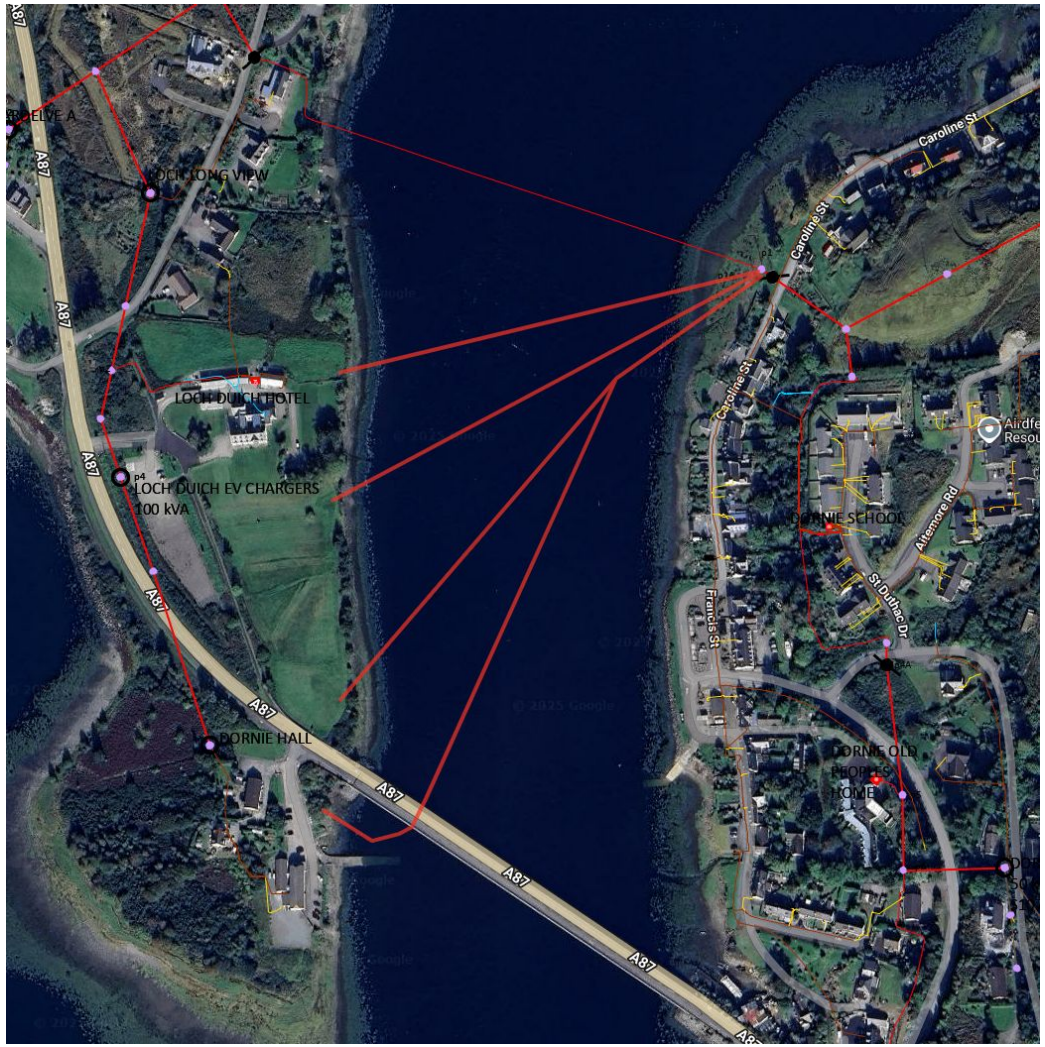
- **Introductions**
- **Loch Long (Dornie) Project**
  - Project Overview
  - Route Engineering
  - Marine survey
  - Onshore environmental constraints
  - Cable
  - Equipment
  - Stakeholder engagement
  - Q&A

PROJECT OVERVIEW

- Proactive planned replacement of the 11kV connection across Loch Long (installed in 1980)
  - Installation of a cable for the future 33kV Nostie development.
- Desktop studies commenced 2023
- Survey works conducted during summer 2024
- Onshore ecology works conducted during summer 2024
- Consultation, analysis and application preparation 2023-2025
- Target application submission to MD-LOT: August 2025
- Proposed installation: Early 2026

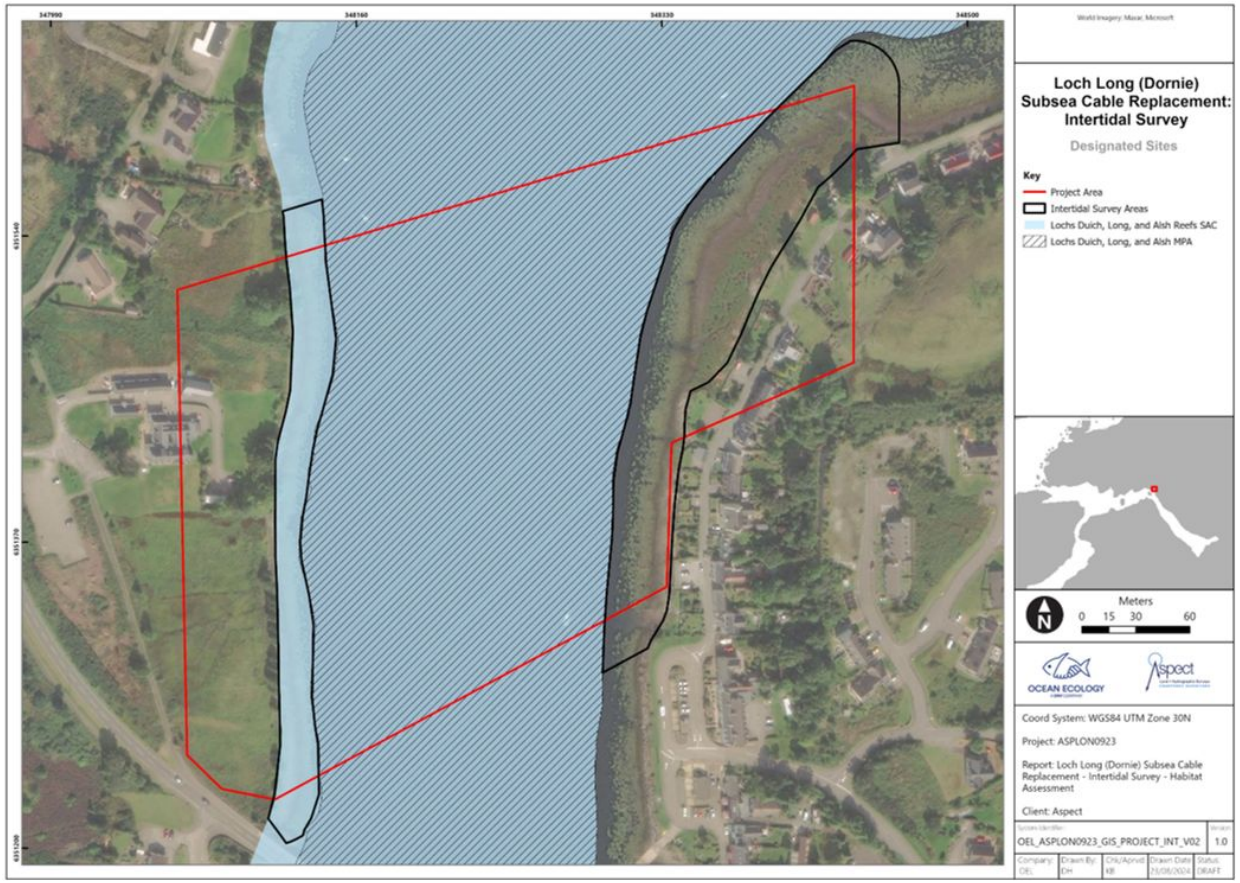


ROUTE ENGINEERING

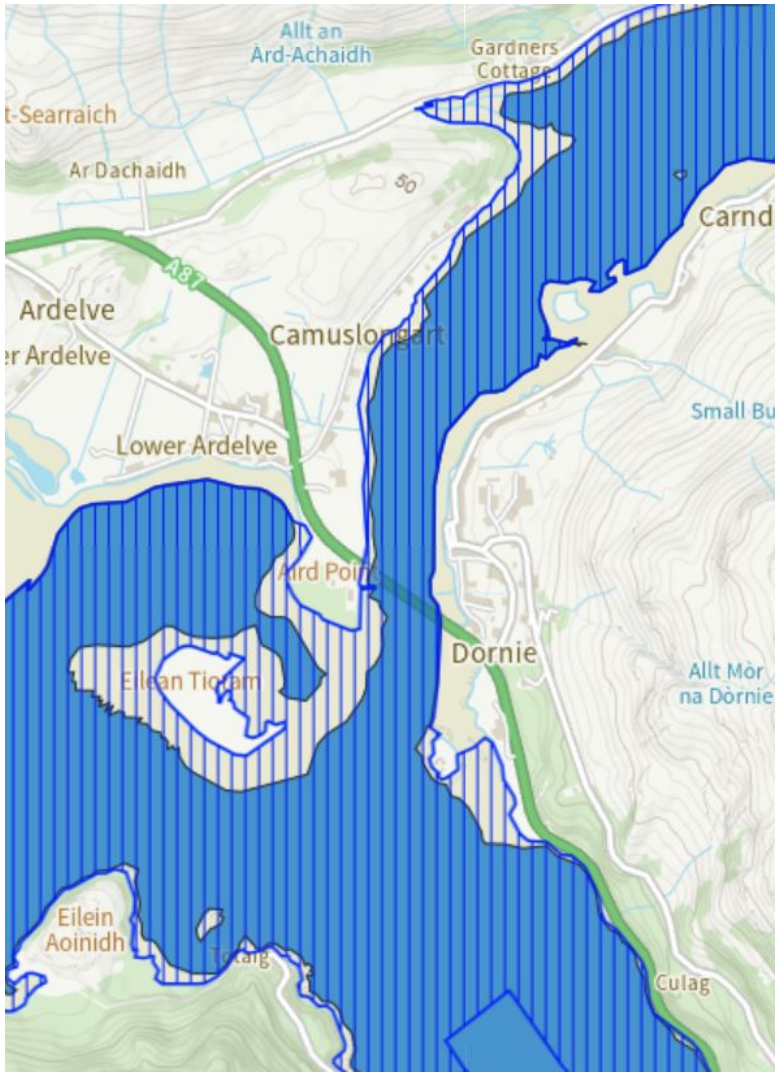


- Feasibility review to identify possible alternate locations.
  - Limited landing on the east
  - Various landings on the west
  - Crossing the Dornie Bridge was also considered.
- Survey Campaign:
  - Marine geophysical survey
  - Environmental survey
  - Land survey
- Design & Engineering:
  - Submarine Cable Stability
  - Cable Burial Risk Assessment
  - UXO Threat Assessment
- Consideration of installing 33kV Nostie at the same time.

MARINE SURVEY



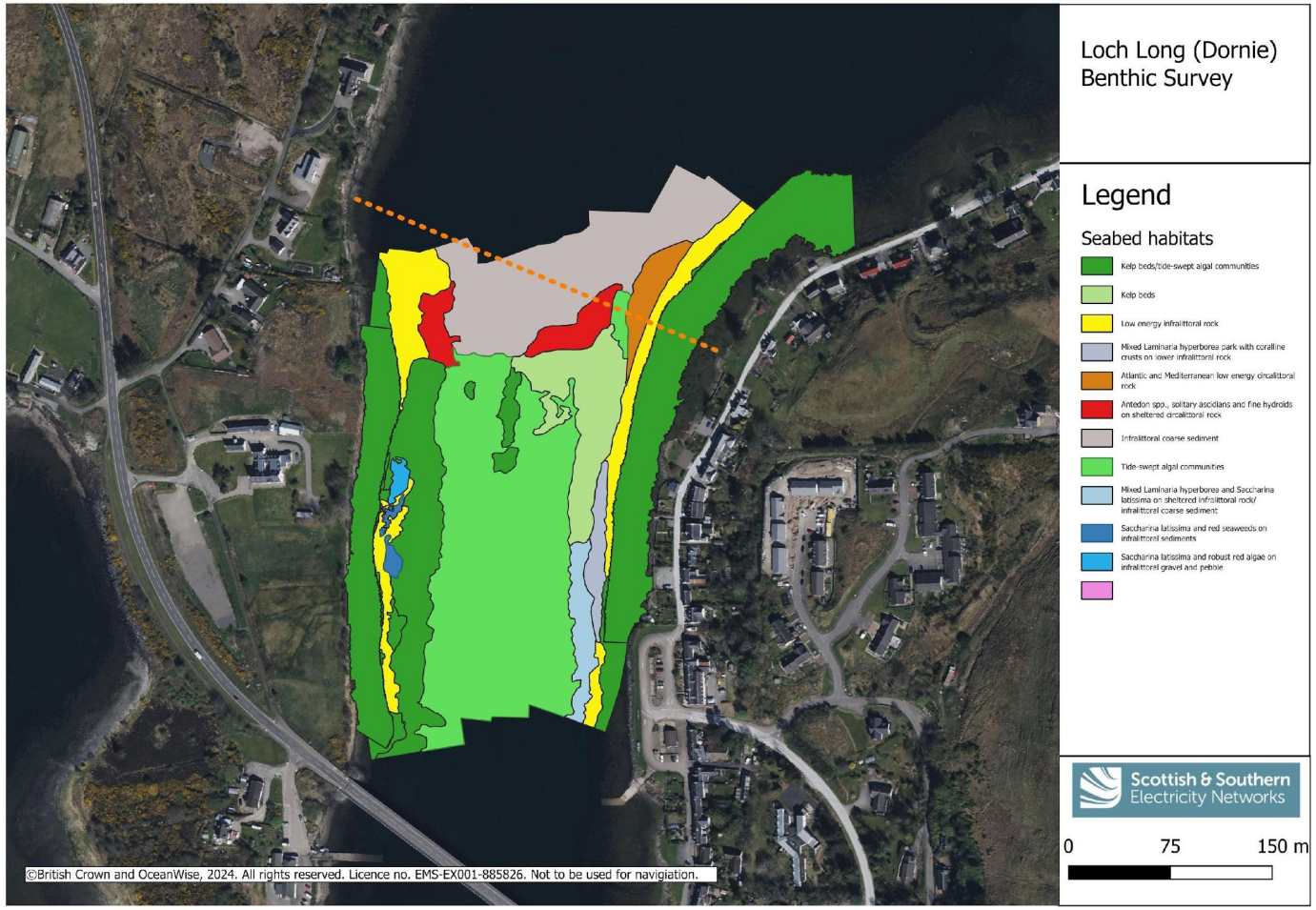
- Survey included intertidal and subtidal habitats
- Unmanned Aerial Vehicle survey (intertidal)
- ROV survey – transects identified following geophysical survey



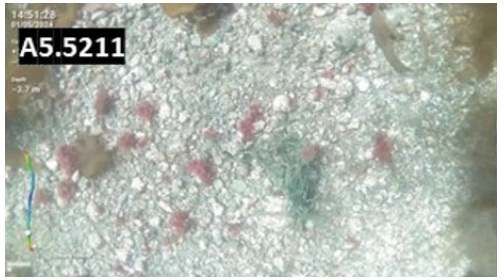
Lochs, Duich, Long & Alsh SAC

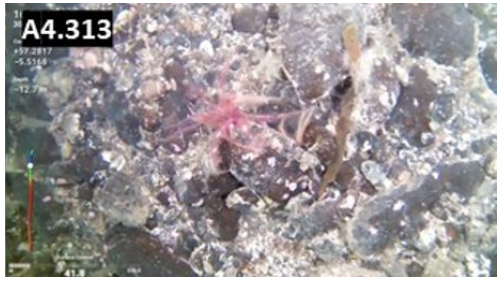
Lochs, Duich, Long & Alsh Nature Conservation MPA

MARINE SURVEY FINDINGS



- Intertidal area mostly rocky shore with seaweed communities
- Subtidal area – mixture of coarse sediment and rock dominated by kelp & mixed seaweed
- PMF habitats – kelp beds, kelp & seaweed communities, and tide-swept algal communities
- Reef habitat present in intertidal and subtidal





ONSHORE ENVIRONMENTAL CONSIDERATIONS

Environmental surveys carried out in summer 2024:

- Breeding birds
- Protected and sensitive species, e.g. otter
- Habitats and protected plants

Survey findings – site sensitivities:

- 54 bird species recorded
- No otter holts/couches but potential for otters to use shoreline
- Saltmarsh habitat on east landfall, greater butterfly orchids near west landfall

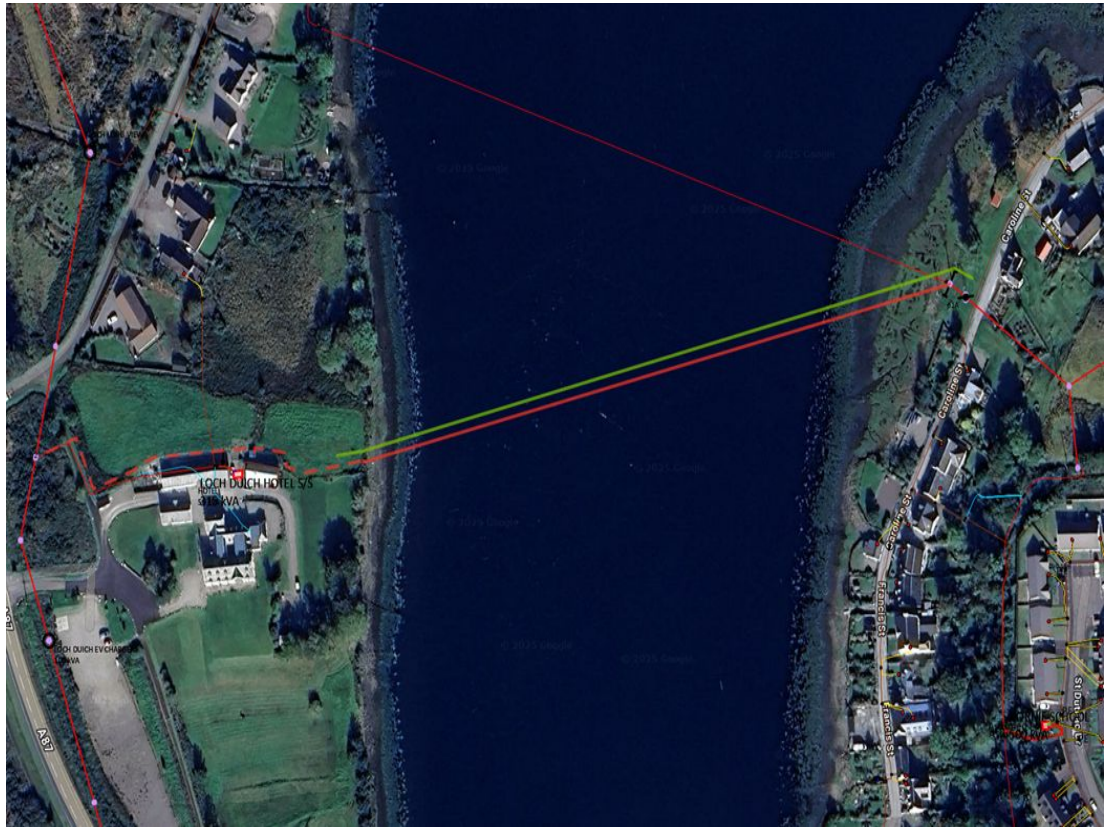
Ongoing consultation with NatureScot.

Saltmarsh protection plan will be produced to inform works methods.

Pre-construction surveys for birds, otters and plants – buffer zones will be marked out and mitigation put in place if/where required.

Construction Environmental Management Plan will be followed, and there will be an ecologist on site.

ROUTE DESIGN



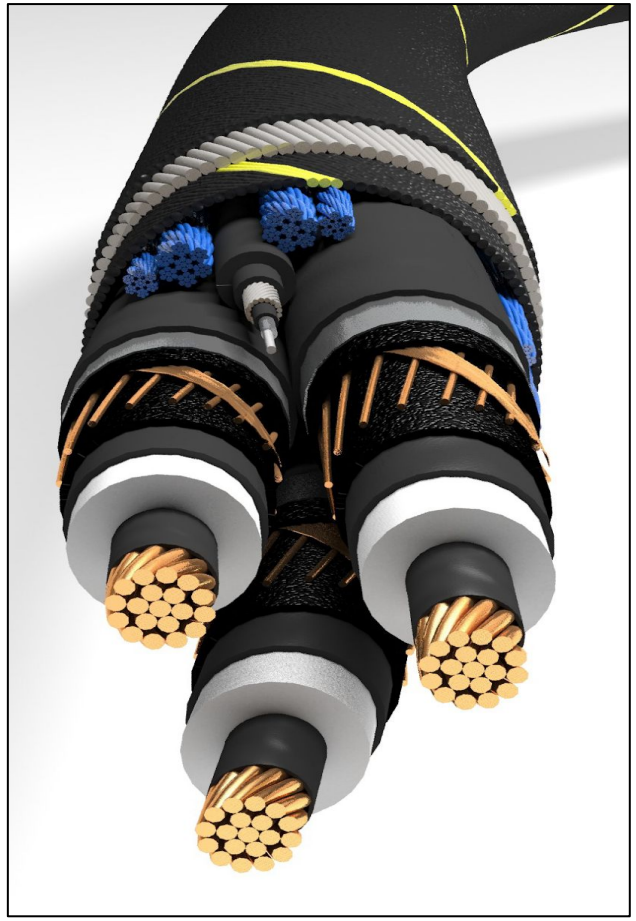
Route Design concluded that:

- **East landing:**
  - Replacement cable using existing landing on the east was the best approach.
  - Tie-in to the existing pole.
- **West landing:**
  - New landing on the west
  - Routes cable away from deeper wate to the north and outfall pipes from the east.
  - Tie-in to S/S int hr hotel grounds.
- **33kV Nostie cable:**
  - Installed parallel with 10m separation.
  - Cable ends capped and buried for future connection once the land development of 33kV Nostie circuit has developed.

CABLE

Cable procurement is currenting on going.
Indicative cable properties:

- 11kV 3x300mm2 cross-section
- 3x Power Cores & 1 x Fibre Optic Cable (48 fibre)
- Single wire armer layer (galvanised steel)
- Weight in air = ~30kg/m
- Overall; Outer Diameter = ~130mm
- ~350m length per cable.
- Cable will be buried on land down to MLWS, and some/all of the cable will also be protected by steel/pipe splitpipe.

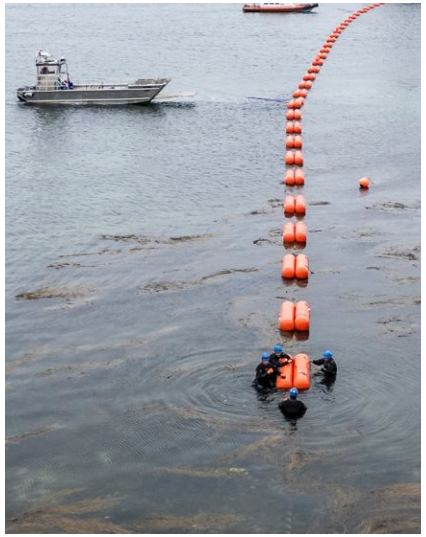


EQUIPMENT

Typical equipment expected on site:

- Small support vessels (i.e. RIBs)
- Possible use of divers
- Excavators
- Dumper & Trailer
- Winches & cable drums
- Rollers & Quadrants
- Welfare units

On the completion of works, all worksites will be cleared of equipment and reinstated to their as-found condition.



STAKEHOLDER ENGAGEMENT

Stakeholders Engaged:

- Marine Scotland
- NatureScot (MD-LOT)
- RSPB
- Historic Environment Scotland
- The Highland Council
- Northern Lighthouse Board
- Maritime & Coastguard Agency
- Scottish Fisheries Federation
- Brown & May Fisheries Consultants
- Dornie & District Community Council
- Various Landowners, Grantors, and Tenants

MARINE LICENSING PROCESS

- **Marine Construction licence application**
  - Protected species licence applications (EPS and Basking Shark)
  - Marine Environmental Appraisal (MEA) and protected species risk assessments
  - Marine Construction Environmental Management Plan (CEMP)

- Marine Licence application submission - August 2025
  - Statutory consultees – NatureScot, NLB, MCA, SEPA, HES
  - Public notice will appear in local press

  - Full application available to view on the Marine Scotland website: https://marine.gov.scot/marine-licence-applications

THANK YOU

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Scottish & Southern Electricity Networks