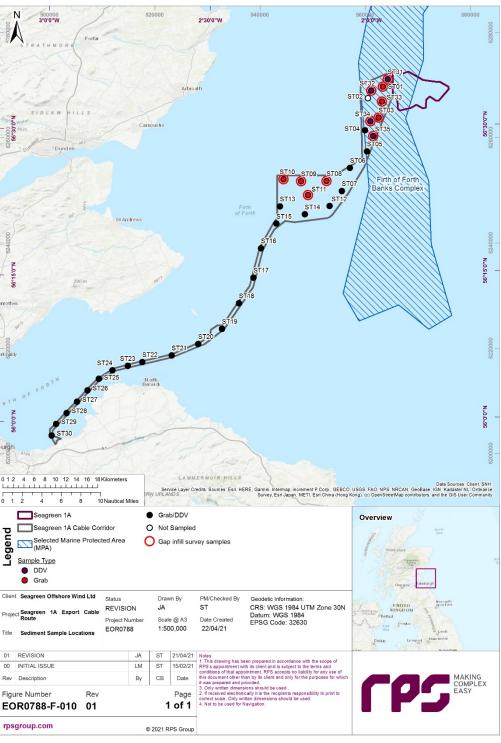
## **SEAGREEN 1A**

GAP FILL BENTHIC SURVEY – PSA AND DDV DATA FINDINGS



### BENTHIC ECOLOGY VALIDATION SURVEY Sampling Completed

- All 11 proposed DDV stations were successfully sampled.
- Macrobenthic and PSA samples were collected from six of the remaining seven stations.
  - An additional grab sampling station was added at ST33 due to the seabed type identified during the camera survey.
  - ST02 was abandoned due to four failed grab sampling attempts.



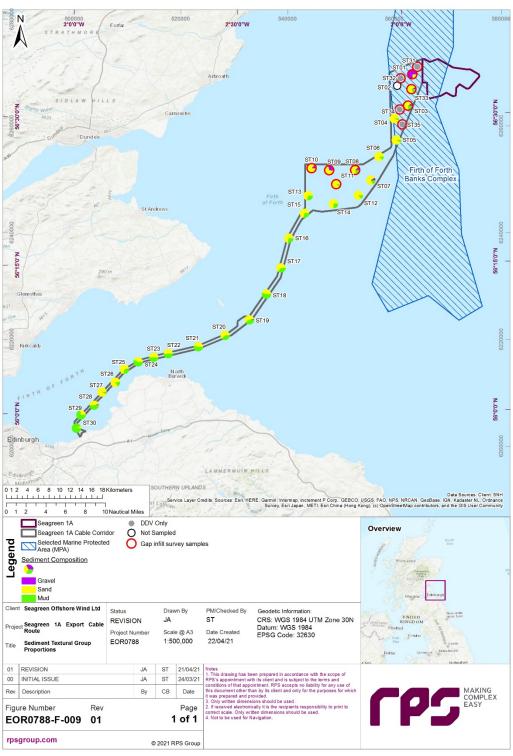






#### **BENTHIC ECOLOGY VALIDATION SURVEY PSA** data

- Higher proportion of gravels and coarser sediment within the MPA
- Sand makes up the highest sediment proportion across all samples except ST01 (gravel).









#### BENTHIC ECOLOGY VALIDATION SURVEY **PSA** data

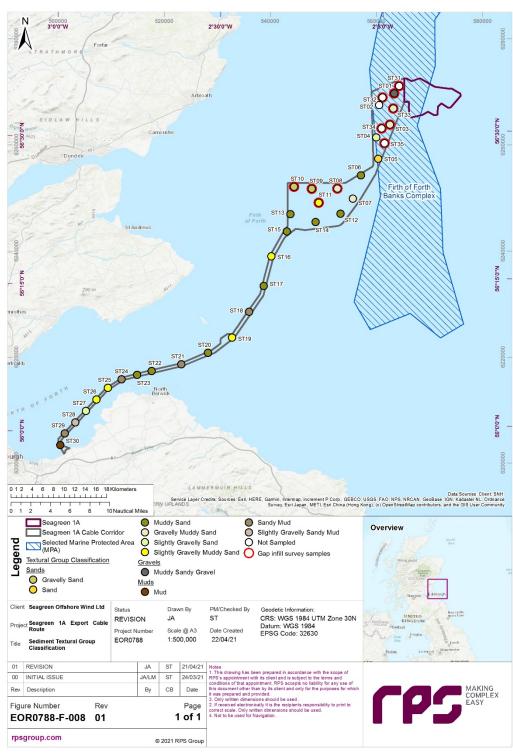
All samples within the offshore subdivision of export cable corridor.

Results from the grab samples:

- ST01- Muddy Sandy Gravel
- ST03/ST08/ST33- Gravelly Muddy Sand
- ST09/ST10- Gravelly Sand
- ST11- Slightly Gravelly Muddy Sand

Results from the DDV:

- ST33/ST34/ST08/ST11/ST10- Rippled sand
- ST09- Rippled sand with shells and pebbles.
- ST31- Sand with cobbles and pebbles.
- ST32/ST01- Coarse sediments
- ST02- Coarse sediments within cobbles
- ST35- Coarse sediment with cobbles and boulders
- No Annex I reef habitat were identified









#### **BENTHIC ECOLOGY VALIDATION SURVEY DDV** Data

Seabed sediments from with the MPA were generally coarser and supported epifaunal communities including beds of Ophiocomina nigra, Flustra foliacea, Alcyonium digitatum and Munida sp.



Plate 4 Top: Example seabed imagery from Station 08 (left) and Station 10 (right) situated outside of the MPA. Bottom: Example seabed imagery from Station 31 within the Firth of Forth Banks Complex MPA.





#### **BENTHIC ECOLOGY VALIDATION SURVEY** Initial Biotope classifications

#### N 500000 S A R A 390.0"W O R Forfa 540000 2°30'0"W SIDLAW HILLS Firth of Forth Banks Complex St Andrews 6 8 10 12 14 16 Kilometers Una Sources : Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, ION, Kadaster NU, Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User ( 0 1 2 4 6 8Nautical Miles LAMMERMUIR HILLS Seagreen 1A Seagreen 1A Cable Corrido SS.SMu.ISaMu SS.SMu.CFiMu.SpnMeg Overviev SS.SSa.CFiSa SS.SMu.IFiMu SS.SMu.ISaMu Selected Marine Protected Area SS.SSa.CMuSa SS.SSa.IFiSa SS.SSa.CFiSa Gap infill survey samples SS.SSa.IMuSa SS.SSa.CMuSa O Sample Not Complete SS.SSa.IFiSa Sample Location Biotopes • SS.SCS.CCS Seagreen 1A Cable Corridor Biotopes SS.SSa.IMuSa SS.SMu.CFiMu.SpnMeg Not Assigned SS.SCS.CCS SS.SMu.IFiMu Client Seagreen Offshore Wind Ltd Drawn By PM/Checked By Geodetic Information ST CRS: WGS 1984 UTM Zone 30N REVISION JA Export Cable Datum: WGS 1984 EPSG Code: 32630 roject Number Scale @ A3 Date Created 1:450,000 22/04/21 EOR0788 Title Biotope Map 01 REVISION JA ST 21/04/21 LM ST 16/02/21 Notes 1. This drawing has been prepared in accordance with the scope o RPS's appointment with its client and is subject to the terms and 00 INITIAL ISSUE sintment with its client and is subject to the terms and of that appointment. RPS accepts no liability for any u ent other than by its client and only for the purposes f Rev Description By CB Date this docume Figure Number Rev Page hould be used 1 of 1 EOR0788-F-011 01 rpsgroup.com © 2021 RPS Group







# QUESTIONS & FEEDBACK

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