



Geophysical Survey Operations within Tees Bay

Please be advised that Ocean Floor Geophysics will be conducting towed survey operations within Tees Bay

- Dates:** March 7-14, 2022
- Vessel:** SV Marshal Art (operated by Marshall Jakeman Marine)
- Location:** Around 54°38'16.91"N, 1° 1'13.94"W
- Work Hours:** Daylight hours, Vessel Master will contact traffic upon commencement and completion of work each day
- Request:** SV Marshall Art will be restricted in ability to manoeuvre and showing appropriate dayshapes and navigation lights as outlined within IMO CLOREGS, Vessels requested to remain clear during operations
- Channels:** Vessel will be monitoring VHF Channel 16 and 14
- Company:** Ocean Floor Geophysics (OFG)
- Address:** B-108 9000 Bill Fox Way
Burnaby BC, V9A 6E, Canada
- Tel:** 1-778-654-7781 ext. 200

Table 1 Survey Contact Numbers

Vessel Contact, SV Marshall Art	Chris Jakeman	+44 (0)7734230496
Survey Contact, Ocean Floor Geophysics	Brian Claus	+1-778-877-8763

Survey Overview

Ocean Floor Geophysics (OFG) would like to carry out a geophysical survey between March 7 and March 14, 2022 from Middlesborough UK using the SV Marshall Art survey vessel, operated by Marshall Jakeman Marine Ltd. The survey will be conducted along the coast of South Gare, Coatham, Redcar Sands and Marske Sand (see map in Figure 1).

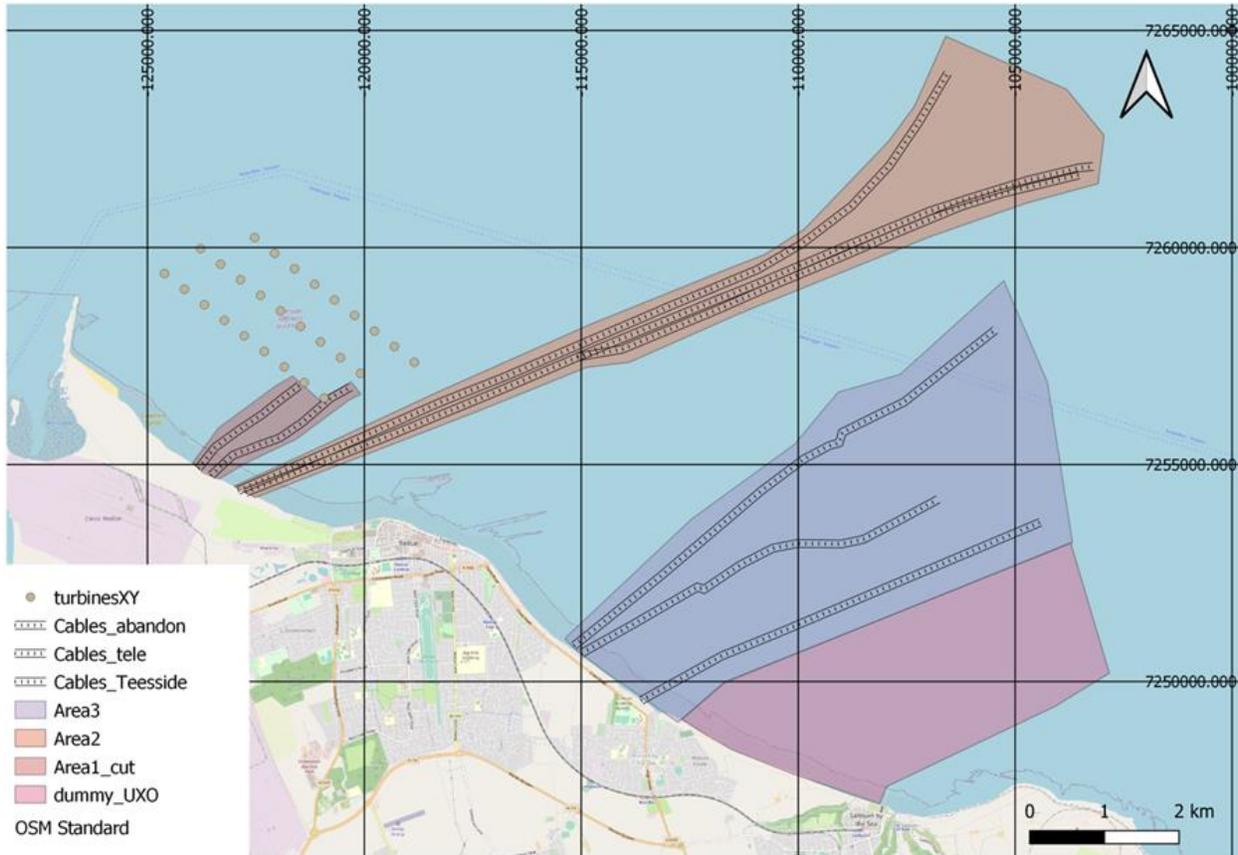


Figure 1 Survey areas are shown by colored polygons (Area 1, 2, 3 and dummy UXO survey area)

Survey Vessel:



Figure 2 The Marshall Art survey vessel (<https://www.bmarshallmarine.com/vessels/marshall-art/>)

The SV Marshall Art (Figure 2) is a 22 m long survey vessel operated by Marshall Jakeman Marine Ltd. The Marshall Art will tow a remotely operated tow vehicle (ROTV) up to 100 m behind it at 3 to 5 knots. The ROTV will be an EIVA Scanfish, as pictured in Figure 3.

Remotely Operated Tow Vehicle (ROTV)

The EIVA Scanfish ROTV will have various geophysical sensors in its payload: OFG RM Hypermag magnetometers (Hypermag), multibeam echo sounder (MBES), ultrashort baseline transponder (USBL), Doppler velocity log (DVL), altimeter, depth sensors, and other ancillary equipment.

The remotely operated towed vehicle (ROTV) will be towed from 35 to 100 m behind the survey vessel on the sea-surface or below the sea-surface at a 3-5m altitude above the seafloor.

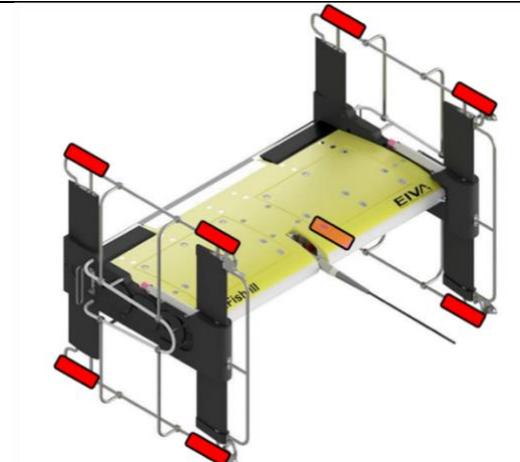
	ScanFish Specifications	
	Weight	54 kg in seawater
		122 kg in air
	Drag	120 [N] at 4 knots STW
	Length	1858 mm
	Height	846 mm
	Width	1209 mm
	Tow Specifications	
	Towed 35 m to 100 m away from vessel	
	150 m turn radius	
	Surface towed and towed at a 3-5 m altitude	
	Tow speed between 3 and 5 knots	
	Payload: Geophysical Sensors	
	8x3-axis magnetometers	Ancillary equipment
USBL beacon	DVL, pressure/depth, altimeter, Sprint Nav INS	
MBES		

Figure 3 The ScanFish remotely operated tow vehicle and specifications. Image courtesy of EIVA.