Stena Line
PORTS

HOLYHEAD – LOCAL NOTICE TO MARINERS 09/2024

Caernarfon Bay Benthic Grab survey

Issued 18th April 2024
Expires 30th April 2024

Natural Resources Wales, The Environment Agency and Briggs Marine are undertaking a total of two days environmental small scale marine sediment grab surveys in Caernarfon Bay. The grab sites (see attached locations and chart) are outside the harbour limits but mariners are requested to be vigilant when approaching and departing the port.

The survey is scheduled to take place on 26th and 27th April 2024 but may change due to adverse weather.

A copy of the full Environment Agency notice is attached.

John Goddard
Harbour Master
Holyhead Harbour

Caernarfon Bay Benthic Grab survey_Marine License RML2208

Natural Resources Wales, The Environment Agency and Briggs Marine are undertaking a total of two days environmental small scale marine sediment grab surveys in Caernarfon Bay which is planned within the dates of ~~9thApril to 12th April 2024~~ . rescheduled for 26th and 27th April

Background Info:

Natural Resources Wales has a Marine Licence (reference: RML2208) and a Crown Estate Seabed Survey Licence (reference: SR_NRW_08) for this survey . Sediment and macro invertebrate sediment sampling is planned by Natural Resources Wales and undertaken by the Environment Agency and Briggs Marine to fulfil national governmental statutory environmental monitoring responsibilities under Clean Seas Environmental Monitoring Programme (CSEMP). A two-day sampling survey is planned in Caernarfon Bay within the dates of April 9th to April 12th 2024, the location of the survey sites and maps are attached.

Sampling:

The sampling will involve sediment sampling for marine macro invertebrates using a 0.1m2 grab sampler, with associated sediment particle size at each site. The sampling platform will be the survey vessel Mersey Guardian operated by the Environment Agency and Briggs Marine and Environmental Services Ltd crew. At the sampling target station, a 0.1m2 scientific grab sampler will be carefully deployed 10 times (at each location) from the dedicated scientific survey vessel by trained and skilled staff/crew using a motorised winch. When the sampler lands on the seabed the jaw is released, the sampler will then be hauled back to the boat causing the jaw to collect a small amount of sediment. This sediment will either be sieved (using a 0.5mm mesh) to extract invertebrates or a sub-sample retained for sediment granulometry. The grab sampler has a maximum area of 0.1m2. The volume attained depends on the sediment type and weather conditions.

Data availability:

The data collected will be publicly available, held on national databases and will be used for reporting under the Water Framework Directive and Habitats Directive.

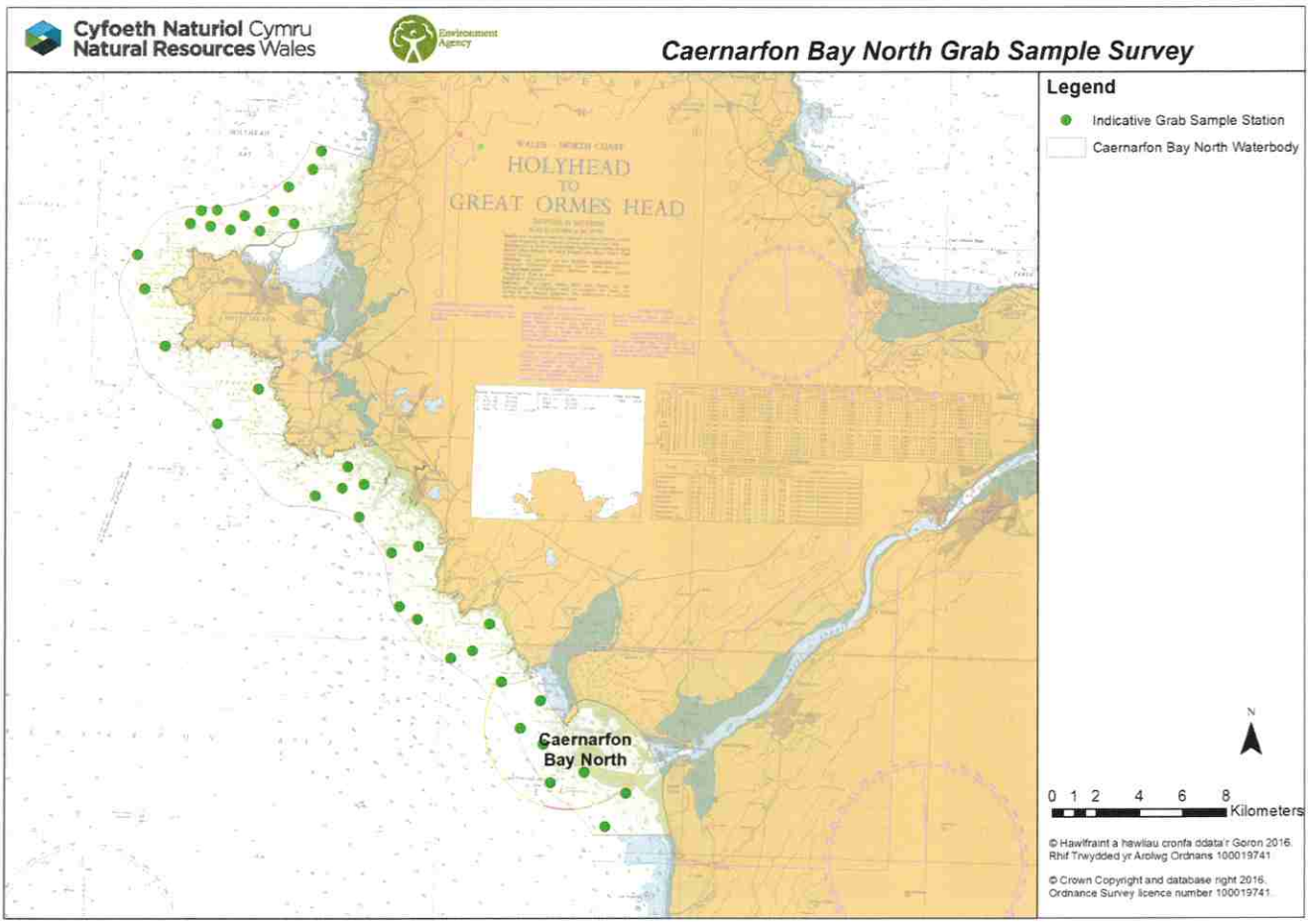
The Vessels and Staff:

Briggs/Environment Agency Coastal Survey Vessels:

The Mersey Guardian vessel is equipped with Trimble® HYDROpro™ software for real-time navigation and survey data acquisition (Figure 2). The primary survey GPS feeding in to Trimble Hydropro software is a SIMRAD MX512 DGPS. In the wheelhouse, a Furuno SC-30 DGPS is used for vessel navigation and acts as a backup in case the primary fails. Vessel direction of travel is provided by the Simrad Robertson RGC50 Gyrocompass and also feeds in to Hydropro. Samples are aimed to be collected within 10 m from

the target coordinate unless obstructed by a hazard, as guided by the software. The Skipper has a Hydropro repeater screen in the wheelhouse for positioning the vessel within the sampling target. The wheelhouse is also equipped with an electronic plotter with up-to-date UKHO charts showing locations of cables, pipelines and structures.

The Skipper is briefed by the Scientist In Charge before the vessel leaves port to ensure everyone on board is familiar with the survey plan. When within range of coastal sampling stations the survey vessel can be tracked in real-time via MarineTraffic and contact with other vessel traffic will be maintained via marine VHF.



1	Location of Cernarfon Bay Benthic sites 2024						
2							
3							
4	Sample Code (Sample Numb	Latitude (WGS 84	Longitude (WGS 84	WGS84 LatDD°MM.MMMM'	WGS84 LongDD°MM.MMMM'	Easting	Northing
5	CFN_001	53.1671	-4.50036	53°10.5341'N	4°31.0636'W	231832	367235
6	CFN_002	53.1823	-4.51903	53°10.8316'N	4°31.7972'W	231035	367815
7	CFN_003	53.35695	-4.60003	53°21.4302'N	4°36.0747'W	226987	387632
8	CFN_004	53.24448	-4.65257	53°16.0181'N	4°37.9221'W	224568	377675
9	CFN_005	53.11096	-4.39321	53°06.9305'N	4°24.0595'W	239408	360287
10	CFN_006	53.16322	-4.47841	53°09.8078'N	4°28.7778'W	234331	365800
11	CFN_007	53.21609	-4.55907	53°12.9801'N	4°33.6169'W	229151	371870
12	CFN_008	53.3327	-4.6826	53°19.9937'N	4°41.0063'W	221418	385171
13	CFN_009	53.14371	-4.43125	53°08.6373'N	4°25.9486'W	237409	363522
14	CFN_010	53.17418	-4.4675	53°10.4659'N	4°28.1234'W	235102	366994
15	CFN_011	53.23639	-4.56785	53°14.1978'N	4°34.1438'W	228646	374148
16	CFN_012	53.33462	-4.61111	53°20.0908'N	4°36.7393'W	226159	385176
17	CFN_013	53.33701	-4.64524	53°20.2338'N	4°38.7867'W	223897	385525
18	CFN_014	53.25639	-4.66169	53°15.1241'N	4°39.5560'W	222691	376085
19	CFN_015	53.20501	-4.51758	53°12.3152'N	4°31.1276'W	231877	370539
20	CFN_016	53.09337	-4.38462	53°05.6172'N	4°23.1506'W	240341	357819
21	CFN_017	53.10716	-4.37116	53°06.4451'N	4°22.3432'W	241293	359323
22	CFN_018	53.22573	-4.5921	53°13.4601'N	4°35.4284'W	227168	372832
23	CFN_019	53.30555	-4.71098	53°18.3472'N	4°42.7308'W	219389	382192
24	CFN_020	53.3195	-4.71648	53°19.1842'N	4°43.0608'W	219081	383757
25	CFN_021	53.3389	-4.66393	53°20.3478'N	4°39.9084'W	222661	385782
26	CFN_022	53.33817	-4.69048	53°19.9937'N	4°41.0063'W	221418	385171
27	CFN_023	53.33214	-4.66836	53°19.9422'N	4°40.1736'W	222338	385041
28	CFN_024	53.33101	-4.65465	53°19.8747'N	4°39.3512'W	223246	384882
29	CFN_025	53.22747	-4.56605	53°13.6674'N	4°34.3497'W	228381	373173
30	CFN_026	53.13231	-4.44435	53°07.9539'N	4°26.7343'W	236490	362285
31	CFN_027	53.11051	-4.42255	53°06.6460'N	4°25.4264'W	237866	359811
32	CFN_028	53.28261	-4.69579	53°16.9707'N	4°41.8189'W	220305	379602
33	CFN_029	53.36456	-4.59436	53°21.8873'N	4°35.7346'W	227395	388465
34	CFN_030	53.15089	-4.45805	53°09.0683'N	4°27.5564'W	235645	364382
35	CFN_031	53.34945791	-4.615824196	53°20.9816'N	4°37.0216'W	225905.9002	386837.7375
36	CFN_032	53.33107658	-4.634383992	53°19.8784'N	4°38.1357'W	224595.4695	384839.0749
37	CFN_033	53.20208005	-4.535576873	53°12.1394'N	4°32.2070'W	230663.9579	370255.6894
38	CFN_034	53.15999333	-4.492895292	53°09.6142'N	4°29.6468'W	233350.7738	365475.1963
39	CFN_035	53.12608601	-4.428352412	53°07.5803'N	4°25.7740'W	237536.7597	361556.1122
40	CFN_036	53.33838027	-4.674965132	53°20.3167'N	4°40.5707'W	221924.4624	385751.7387
41	CFN_037	53.33928265	-4.625263341	53°20.3707'N	4°37.5888'W	225236.1889	385729.2616
42	CFN_038	53.22934888	-4.556231355	53°13.7753'N	4°33.4467'W	229393.2513	373337.2172
43							