

Survey no.
 Site no.

**MARINE NATURE CONSERVATION
 REVIEW**



Field site no.
 No. of habitat records

SITE

LOCATION

Site name _____
 Survey area _____
 District (Scotland only) _____
 County / Region _____

POSITION (Grid Reference or Latitude / Longitude)

Centre of site (required) _____
 For extensive sites (optional) From _____ To _____

Position derived from: OS map Admiralty chart Decca GPS Differential GPS
 Datum used: WGS72 WGS84 Other (state): _____

SURVEY DETAILS

| | Visit 1 | Visit 2 |
|------------------------------------|--|--|
| Surveyors | 1 _____ 2 _____ 3 _____ 4 _____ | 1 _____ 2 _____ 3 _____ 4 _____ |
| Date (dd:mm:yy) | <input type="text"/> : <input type="text"/> : <input type="text"/> | <input type="text"/> : <input type="text"/> : <input type="text"/> |
| Time at start (h:m) | <input type="text"/> : <input type="text"/> | <input type="text"/> : <input type="text"/> |
| Duration of survey (h:m) | <input type="text"/> : <input type="text"/> | <input type="text"/> : <input type="text"/> |
| Underwater visibility (m) | <input type="text"/> | <input type="text"/> |
| Height / depth of survey(m) | | |
| Tidal correction (m) | <input type="text"/> | <input type="text"/> |
| Measured from sea level: | <input type="checkbox"/> Upper <input type="checkbox"/> Lower | <input type="checkbox"/> Upper <input type="checkbox"/> Lower |
| Corrected to Chart Datum: | <input type="checkbox"/> Upper <input type="checkbox"/> Lower | <input type="checkbox"/> Upper <input type="checkbox"/> Lower |

TYPE OF SURVEY

| | | |
|--|---|---|
| <input type="checkbox"/> Zone Littoral <input type="checkbox"/> Sublittoral | <input type="checkbox"/> Sampling Cores (shore: 11 cm diam.) <input type="checkbox"/> Cores (diver: 10.3 cm diam.) <input type="checkbox"/> Dredge - anchor <input type="checkbox"/> Dredge - biological <input type="checkbox"/> Grab - Day <input type="checkbox"/> Grab - Van Veen <input type="checkbox"/> Granulometry sample <input type="checkbox"/> Suction sampler <input type="checkbox"/> Trawl - Agassiz <input type="checkbox"/> Other (state): _____ | <input type="checkbox"/> Sieve size 0.5 mm mesh <input type="checkbox"/> 1.0 mm mesh <input type="checkbox"/> Other (state): _____ <input type="checkbox"/> Images <input type="checkbox"/> Photography <input type="checkbox"/> Video <input type="checkbox"/> Sonar <input type="checkbox"/> RoxAnn <input type="checkbox"/> Sidescan |
| <input type="checkbox"/> Recording Inventory/map (biotope types only) <input type="checkbox"/> Intermediate <i>in situ</i> (habitat / main spp.) <input type="checkbox"/> Intermediate remote (habitat / main spp.) <input type="checkbox"/> Detailed (habitat / all spp.) <input type="checkbox"/> Other (state): _____ | | |

PHOTOGRAPHY

| | Photographer | No. taken | Equipment used (camera & lens) |
|--------------------|--------------|-----------|--------------------------------|
| Aerial | | | |
| Views / landscapes | | | |
| Habitats | | | |
| Species (close-up) | | | |

| PHYSIOGRAPHIC TYPE | |
|--------------------------|----------------------------------|
| <input type="checkbox"/> | Open coast |
| <input type="checkbox"/> | – Linear coast |
| <input type="checkbox"/> | – Islands / rocks |
| <input type="checkbox"/> | – Offshore seabed |
| <input type="checkbox"/> | – Semi-enclosed coast |
| <input type="checkbox"/> | – Strait / Sound |
| <input type="checkbox"/> | – Barrier beach |
| <input type="checkbox"/> | Enclosed coast |
| <input type="checkbox"/> | – Embayment |
| <input type="checkbox"/> | – Sealoch |
| <input type="checkbox"/> | – Ria / Voe |
| <input type="checkbox"/> | – Estuary |
| <input type="checkbox"/> | – Isolated saline water (lagoon) |

| GEOLOGY | |
|--------------------------|-------------------|
| <input type="checkbox"/> | Hard |
| <input type="checkbox"/> | – Igneous |
| <input type="checkbox"/> | – Chert / Flint |
| <input type="checkbox"/> | – Slate |
| <input type="checkbox"/> | – Sand / Mudstone |
| <input type="checkbox"/> | Moderately hard |
| <input type="checkbox"/> | – Limestone |
| <input type="checkbox"/> | Friable |
| <input type="checkbox"/> | – Slate / Shale |
| <input type="checkbox"/> | Soft |
| <input type="checkbox"/> | – Sand / Mudstone |
| <input type="checkbox"/> | – Chalk |
| <input type="checkbox"/> | Very soft |
| <input type="checkbox"/> | – Clay |
| <input type="checkbox"/> | – Peat |
| <input type="checkbox"/> | Not known |

| SITE DESIGNATIONS | |
|--------------------------|-------------------------------------|
| <input type="checkbox"/> | (state 'p' for proposed) |
| <input type="checkbox"/> | Area of Outstanding Nat. Beauty |
| <input type="checkbox"/> | Biosphere Reserve |
| <input type="checkbox"/> | County Wildlife Trust Reserve |
| <input type="checkbox"/> | Heritage Coast |
| <input type="checkbox"/> | Local Nature Reserve |
| <input type="checkbox"/> | Marine Consultation Area (Scotland) |
| <input type="checkbox"/> | Marine Nature Reserve |
| <input type="checkbox"/> | Ministry of Defence |
| <input type="checkbox"/> | National Nature Reserve |
| <input type="checkbox"/> | National Park |
| <input type="checkbox"/> | National Scenic Area |
| <input type="checkbox"/> | National Trust / NT for Scotland |
| <input type="checkbox"/> | RAMSAR Site |
| <input type="checkbox"/> | RSPB Reserve |
| <input type="checkbox"/> | Sensitive Marine Area (England) |
| <input type="checkbox"/> | Site of Special Scientific Interest |
| <input type="checkbox"/> | Special Area of Conservation |
| <input type="checkbox"/> | Special Protection Area |
| <input type="checkbox"/> | Voluntary Marine Nature Reserve |
| <input type="checkbox"/> | World Heritage Site |
| <input type="checkbox"/> | |

| * SALINITY | |
|--------------------------|-------------------|
| <input type="checkbox"/> | Full (30-40‰) |
| <input type="checkbox"/> | Variable (18-40‰) |
| <input type="checkbox"/> | Reduced (18-30‰) |
| <input type="checkbox"/> | Low (<18‰) |
| <input type="checkbox"/> | Not known |
| <input type="checkbox"/> | ‰ Measured |

| STRATIFICATION | |
|--------------------------|----------------|
| <input type="checkbox"/> | Thermocline |
| <input type="checkbox"/> | Halocline |
| <input type="checkbox"/> | Not stratified |

| | |
|--------------------------|--------------------------|
| <input type="checkbox"/> | °C Temperature – surface |
| <input type="checkbox"/> | °C – bottom |

| USES AND IMPACTS | |
|--------------------------|--------------------------------|
| <input type="checkbox"/> | Fishing – netting |
| <input type="checkbox"/> | – trawling |
| <input type="checkbox"/> | – angling |
| <input type="checkbox"/> | – potting |
| <input type="checkbox"/> | Collection – bait digging |
| <input type="checkbox"/> | – shellfish |
| <input type="checkbox"/> | – algae |
| <input type="checkbox"/> | Boulder turning for peelers |
| <input type="checkbox"/> | Extraction – sand / gravel |
| <input type="checkbox"/> | – maerl |
| <input type="checkbox"/> | – oil / gas |
| <input type="checkbox"/> | Aqua culture – fin-fish |
| <input type="checkbox"/> | – shellfish |
| <input type="checkbox"/> | – algae |
| <input type="checkbox"/> | Coastal defence – sea walls |
| <input type="checkbox"/> | – dredging |
| <input type="checkbox"/> | – groynes |
| <input type="checkbox"/> | Land claim |
| <input type="checkbox"/> | Military use |
| <input type="checkbox"/> | Sewage discharge |
| <input type="checkbox"/> | Waste dumping |
| <input type="checkbox"/> | Industrial waste discharge |
| <input type="checkbox"/> | Litter and debris |
| <input type="checkbox"/> | Oil / tar / chemicals |
| <input type="checkbox"/> | Educational / scientific study |
| <input type="checkbox"/> | Recreational – facilities |
| <input type="checkbox"/> | – resort |
| <input type="checkbox"/> | – marina |
| <input type="checkbox"/> | – popular beach |
| <input type="checkbox"/> | – water sports |
| <input type="checkbox"/> | – dive site |
| <input type="checkbox"/> | – wind surfing |
| <input type="checkbox"/> | Mooring / beaching / launching |
| <input type="checkbox"/> | Evidence of physical damage |
| <input type="checkbox"/> | |

| * WAVE EXPOSURE | |
|--------------------------|---|
| <input type="checkbox"/> | Extremely exposed (prevailing wind / swell onshore, deep water) |
| <input type="checkbox"/> | Very exposed (prevailing wind and swell onshore) |
| <input type="checkbox"/> | Exposed (prevailing wind onshore, offshore shallows / obstructions) |
| <input type="checkbox"/> | Moderately exposed (prevailing wind offshore but onshore wind frequent) |
| <input type="checkbox"/> | Sheltered (restricted [<20 km] fetch; offshore shallows / obstructions) |
| <input type="checkbox"/> | Very sheltered (fetch <20 km in any direction and <3 km to prevailing wind) |
| <input type="checkbox"/> | Extremely sheltered (fully enclosed, fetch <3 km) |
| <input type="checkbox"/> | Ultra sheltered (fetch of few 10s or at most 100s m) |

| LITTORAL WIDTH | |
|--------------------------|---------------------------------|
| <input type="checkbox"/> | HWST-LWST (littoral sites only) |
| <input type="checkbox"/> | <1 m |
| <input type="checkbox"/> | 1-10 m |
| <input type="checkbox"/> | 10-100 m |
| <input type="checkbox"/> | 100-1000 m |
| <input type="checkbox"/> | >1000 m |

| LITTORAL ASPECT | |
|--------------------------|-----------------------|
| <input type="checkbox"/> | (littoral sites only) |
| <input type="checkbox"/> | North |
| <input type="checkbox"/> | North-east |
| <input type="checkbox"/> | East |
| <input type="checkbox"/> | South-east |
| <input type="checkbox"/> | South |
| <input type="checkbox"/> | South-west |
| <input type="checkbox"/> | West |
| <input type="checkbox"/> | North-west |

| CONSERVATION ASSESSMENT | |
|--------------------------|-----------------------------|
| <input type="checkbox"/> | Unspoilt / natural |
| <input type="checkbox"/> | Representative (for sector) |
| <input type="checkbox"/> | Rare / unusual biotopes |
| <input type="checkbox"/> | Rare species |
| <input type="checkbox"/> | High species richness |
| <input type="checkbox"/> | High biotope richness |
| <input type="checkbox"/> | Fragile species present |
| <input type="checkbox"/> | Fragile biotopes present |
| <input type="checkbox"/> | Intrinsic appeal |
| <input type="checkbox"/> | Ornithological interest |
| <input type="checkbox"/> | Seal haul out |

| * TIDAL STREAMS | |
|--------------------------|-----------------------------|
| <input type="checkbox"/> | (maximum at surface) |
| <input type="checkbox"/> | Very strong (>6 kn.) |
| <input type="checkbox"/> | Strong (3-6 kn.) |
| <input type="checkbox"/> | Moderately strong (1-3 kn.) |
| <input type="checkbox"/> | Weak (<1 kn.) |
| <input type="checkbox"/> | Very weak (negligible) |
| <input type="checkbox"/> | Not known |

* Apply to site as a whole; local variations can be noted on individual habitat forms

SITE DESCRIPTION

- indicate any specific reason for site selection
- include general location of site
- outline biotopes present, particularly their spatial arrangement
- highlight any unusual or important features of conservation value

LOCATION AND SKETCH / PROFILE / PLAN OF SITE

- mark site position on a large scale map or chart and general map of survey area
- show clearly heights / depths relative to chart datum, biological zones and biotopes on a 3D sketch or profile **OR**
- show distribution of biotopes in plan on a sketch, map or chart, giving scale

BIOTOPES PRESENT (GIS / aerial photography mapping surveys)

| Area no. | Biotope | Classification code | % cover * | Notes |
|-----------------|----------------|----------------------------|------------------|--------------|
| | | | | |

MNCR classification: version used _____

* Percentages must add up to 100% within each polygon (area) defined on map / aerial photograph. Clearly demarcate each biotope or group of biotopes which make up a defined polygon.