Annex A: Management Scenarios

Management measures for MCZs are not known in advance, they will be set by the regulatory authorities after designation, therefore this IA contains illustrative examples which are described in detail below for each site. In most instances, the regional MCZ projects collected information from stakeholders about the level and type of human activity in each MCZ (or group of sites), this was further verified through the recent pre-consultation engagement with stakeholders. This informed the identification of management scenarios and identification of possible and preferred management measures. For all sites, the best estimate costs are based on the assumptions of 50% likelihood, i.e. midpoint, between the low and high cost for 'mobile' gears (Bottom Trawls and Dredges) and 25% of the high cost scenario for 'static' (Pots & Traps, Nets, Hooks and Lines). This is because fewer features are sensitive to static gears and so the likelihood for the most stringent management scenario is considered lower than that of bottom abrading mobile gears.

Site	Management Scenarios	Notes
Allonby Bay	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
Bideford to Foreland Point	Management scenario 1: No additional management Management scenario 2: Closure of entire rMCZ to bottom trawls & dredges Management scenario 3: Closure of entire rMCZ to bottom trawls & dredges. No removal of crawfish/spiny lobster (Palinurus elephas) from the MCZ	Subtidal Sand has a recover general management approach objective due to exposure to benthic trawling. Therefore this activity may need to be managed. Crawfish/spiny lobster (Palinurus elephas) has a recover objective which may result in a 'no take' management measure being introduced in the area. No other management of static gears is anticipated as recover objectives triggered by mobile gear activity and not static gears (Natural England pers. comm. 2014).
Coquet to St Mary's	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
Cromer Shoal Chalk Beds	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
Dover to Deal	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
Dover to Folkestone	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
Farnes East	Management scenario 1: No additional management Management scenario 2: Regional Seas Group suggestion − closure of subtidal mud to the nephrops fishery Management scenario 3: Zoned management − closure of subtidal mud to bottom trawls and dredges Management scenario 4: Entire rMCZ closed to bottom trawls and	Several features are have a recover to favourable condition general management approach and are sensitive to mobile bottom abrading gears. It is not anticipated that static gears would have to be managed at this site (JNCC, pers. comm. 2014).

	dredges	
Fulmar	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
Greater Haig Fras	Management scenario 1: No additional management Management scenario 2: Closure of entire rMCZ to bottom trawls & dredges (Stakeholder Recommendation) Management scenario 3: Closure of entire rMCZ to bottom trawls and dredges - Zoned closure of sub-tidal mixed sediment (whole site closure assumed due to interspersed nature of habitats) in the rMCZ to pots & traps, nets, hooks & lines Management scenario 4: Closure of entire rMCZ to bottom trawls, dredges, pots & traps, nets, hooks & lines	Multiple features are recover including sensitive Fan Mussel features. Therefore a range of scenarios for all gear types is necessary to reflect uncertainty over management needed.
Hartland Point to Tintagel	Management Scenario 1: No additional management Management Scenario 2: Closure of entire rMCZ to bottom trawls and dredges	There are multiple features with a recover objective due to benthic trawling. No other management of static gears is anticipated as recover objectives triggered by mobile gear activity and not static gears (Natural England pers. comm. 2014).
Holderness Inshore	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
Land's End (Runnel Stone)	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
Mounts Bay	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
Newquay and The Gannel	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
North-West Jones Bank	Management Scenario 1: No additional management Management Scenario 2: Closure of entire rMCZ to bottom trawls & dredges (Stakeholder Recommendation)	There are multiple features with a recover objective due to benthic trawling but these features are not assessed as being sensitive to static gears.
Offshore Brighton	Management Scenario 1: No additional management Management scenario 2: Closure of entire rMCZ to bottom trawls, dredges, pots & traps, nets, hooks & lines	Multiple features are recover including those potentially sensitive to static gears. Therefore a range of scenarios for all gear types is necessary to reflect uncertainty over management needed.
Offshore Overfalls	Management Scenario 1: No additional management Management scenario 2: Closure of entire rMCZ to bottom trawls, dredges, pots & traps, nets, hooks & lines	Multiple features are recover including those potentially sensitive to static gears. Therefore a range of scenarios for all gear types is necessary to reflect uncertainty over management needed.
Runswick Bay	No additional management	All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.

The Needles	Fisheries Management Scenario 1: Zoned closure of rMCZ to bottom trawls and dredges at a 2 metre depth contour along the shoreline to protect areas of sea grass bed (Statutory Nature Conservation Bodies (SNCB) informed scenario).Management Scenario 2: Closure of entire rMCZ to bottom trawls, dredges, nets, lines, pots and traps (SNCB informed scenario)	Recreation Management Scenario1: Voluntary anchoring code of practice over areas of sea grass Management Scenario 2: Zoned approach – Closure of entirety of sensitive feature plus appropriate buffer zone to mooring and anchoring Management Scenario 3: Use of innovative techniques to reduce impact of mooring/ anchoring to sensitive features in the rMCZ	For fisheries, multiple features are recover including those potentially sensitive to static gears. Therefore a range of scenarios for all gear types is necessary to reflect uncertainty over management needed. Anchoring and mooring over areas of sea grass may need to be managed as this feature has a recover to favourable condition general management approach. However, evidence indicates that overlap between anchoring and the feature is minimal meaning any management adopted is unlikely to significantly affect use of the area.
The Swale Estuary	No additional management		All features proposed for designation have a maintain in current favourable condition general management approach and so no additional management is expected.
Utopia	Management Scenario 1: Zoned closure of rMCZ to bottom trawls and dredges to protect areas of fragile sponge and anthozoan communities. Management Scenario 2: Closure of entire rMCZ to bottom trawls, dredges, lines, nets, pots and traps (Statutory Nature Conservation Bodies informed scenario)		Multiple features have a recover objective including those potentially sensitive to static gears. Therefore a range of scenarios for all gear types is necessary to reflect uncertainty over management needed
West of Walney including proposed Co-Location Zone	Management Scenario 1: No additional management Management scenario 2: Closure of entire rMCZ to bottom trawls, dredges, pots & traps, nets, hooks & lines		Multiple features have a recover objective including those potentially sensitive to static gears. Therefore a range of scenarios for all gear types is necessary to reflect uncertainty over management needed.
Western Channel	Management scenario 1: No additional management Management scenario 2: Closure of entire rMCZ to bottom trawls & dredges Management scenario 3: Closure of entire rMCZ to bottom trawls and dredges - Zoned closure of areas of moderate energy circalittoral rock and sub-tidal mixed sediment in the rMCZ to pots & traps, nets, hooks & lines Management scenario 4: Closure of entire rMCZ to bottom trawls, dredges, pots & traps, nets, hooks & lines		Multiple features have a recover objective including those potentially sensitive to static gears. Therefore a range of scenarios for all gear types is necessary to reflect uncertainty over management needed.