



Relevant Authority Action Plans

Severn Estuary European Marine Site

2018 - 2023

Table 1: Associated British Ports (ABP) - Cardiff & Newport

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Anchoring (commercial)	F4 ^{Habitats}	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (educational fieldtrips).	Ongoing	
Anchoring (recreational)	F4 ^{Birds} F2 ^{Fish}		End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Educational fieldtrips			Review and update of activity proforma when necessary.	Ongoing	
Angling (recreational)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of angling and land-based recreation. In partnership with ASERA, NRW and NE, compare against sensitive locations within the site.	2018 - 2019	
Land based recreation			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Discharge/exchange of water ballast	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to habitat, bird and fish features.	In partnership with ASERA, ASERA members and other relevant bodies, consider establishing a Severn Estuary-wide Biosecurity Plan.	2018	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	

Barrage and sluice operation	F4 Habitats F2 Birds F4 Fish	No impact identified to habitat and fish features. No possible impact to bird features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary	Ongoing	
Boat repairs (recreational)	F4 Habitats F4 Birds F4 Fish	No impact identified to habitat, bird and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing	
Collection of scientific data					
Highways discharge					
Lock gate and dock water management			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Navigation					
Property and estate maintenance			Review and update of activity proforma where necessary.	Ongoing	
Water based recreation					
Moorings	F3 Habitats F3 Birds F4 Fish	Impacts to habitat and bird features unknown. No impact identified to fish features.	Investigate areas of unregulated moorings (wooden jetties/pontoons in Rivers Ebbw and Usk) to ensure that there is no further spread within the EMS.	2018 - 2019	
			Consider potential disturbance and damage to intertidal habitats as a result of such developments and, where appropriate, address as part of the planning and marine licensing regime, in partnership with ASERA, NRW, Newport Harbour Commissioners and Newport City Council.	2018 - 2019	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
			Plans or Projects (F1 activities) to be considered in an Competent Authority role;		
Coastal protection, flood defence improvement and maintenance works	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data).	Ongoing	
Collection of scientific data			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW.	Ongoing	

Commercial shipping/ cargo operations					
Emergency planning					
Events/festivals					
Habitat creation and restoration					
Maintenance dredging and disposal					
Port waste management					

Table 2. Cardiff Council (CC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Anchoring (recreational)	F4 ^{Habitats}	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (educational fieldtrips).	Ongoing	
Educational fieldtrips	F4 ^{Birds}		End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
	F2 ^{Fish}		Review and update of activity proforma where necessary.	Ongoing	
Boat repairs (recreational)	F4 ^{Habitats}	No impact identified to habitat, bird and fish features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Highways discharge	F4 ^{Birds}		Review and update of activity proforma where necessary.	Ongoing	
Property and estate maintenance	F4 ^{Fish}				
Angling (recreational)	F3 ^{Habitats}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of angling and land-based recreation. In partnership with ASERA, NRW and NE, compare against sensitive locations within the site.	2018 - 2019	
Land based recreation	F3 ^{Birds}		Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018 - 2019	
	F3 ^{Fish}		Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018 - 2019	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	

Low flying aircraft	F4 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	Impacts to bird feature unknown. No impact identified to habitat and fish features.	Compile existing information on the type, location, frequency and intensity of low-flying aircraft activity taking place within or adjacent to the EMS and, in partnership with ASERA, compare against sensitive locations within the site.	2018	
	Work with ASERA to determine whether management measures are required in relation to the above. If required, in partnership with ASERA, help to develop Good Practice Guidelines for low-flying aircraft to reduce disturbance to birds.		2018-2019		
	Implement agreed actions and report on progress.		Ongoing		
	End of year reporting to ASERA on any significant changes in this activity or its management.		Ongoing		
	Review and update of activity proforma where necessary.		Annually		
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Activities that result in the release of contamination from historic industry	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data).	Ongoing	
Archaeology (studies and protection)			No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW.	Ongoing	
Boat repairs (commercial)					
Coastal protection, flood defence improvement and maintenance works					
Collection of scientific data					
Eel and elver fishing					
Emergency planning					
Events/festivals					
Grazing					
Habitat creation and restoration					

Managing unauthorised waste					
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Table 3. Cardiff Harbour Authority (CHA) (part of Cardiff Council)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Angling (recreational)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impact to habitats, birds and fish unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of angling and land-based recreation. In partnership with ASERA and NRW, compare against sensitive locations within the site.	2018 - 2019	
Land based recreation			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018 - 2019	
			Investigate working with recreational anglers using charter boats out of Cardiff Bay to support and promote initiatives such as “fishing for litter”.	2018 - 2019	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Discharge/exchange of ballast water	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to habitat, bird and fish features.	In partnership with ASERA, ASERA members and other relevant bodies, consider establishing a Severn Estuary-wide Biosecurity Plan.	2018	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Barrage and sluice operation	F4 ^{Habitats} F2 ^{Birds} F5 ^{Fish}	No impact identified to habitat features. No possible impact to bird features. Significant (managed) impacts to fish features.	Meet with NRW on a quarterly basis to dictate the management programme for Cardiff Bay.	Ongoing	
			Implement agreed actions within management programme and report on progress.	Ongoing	
			Continue with current monitoring programme (until 2019), as agreed with NRW.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	

Collection of scientific data	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No identified impact to habitat, bird and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing	
Lockgate and dock water management			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Moorings			Review and update of activity proforma where necessary.	Ongoing	
Navigation					
Property and estate maintenance					
Water based recreation					
Educational fieldtrips	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No identified impact to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Annually	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
			Plans or Projects (F1 activities) to be considered in an Competent Authority role;		
Boat repairs (commercial)	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data).	Ongoing	
Collection of scientific data			No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW.	Ongoing	
Eel and elver fishing					
Events/festivals					
Maintenance dredging and disposal					
Managing unauthorised waste					
Outfall maintenance					
Pipeline maintenance					
Port waste management					
Water channel maintenance					

Table 4. Devon & Severn Inshore Fisheries and Conservation Authority (D&S IFCA)

	F-Code	Impact	Action (s)	Timeframe	Progress
)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA angling study (see ASERA Action Plan), providing GIS data/layers if possible and appropriate.	2018 - 2019	
			Work with NE and ASERA to review locations that are sensitive to access for anglers (e.g. Northwick), identified through the England Coast Path work.	2018	
			Promote the Burnham, Berrow and Brean Angling Zone Code of Conduct.	Ongoing	
			Analyse data from the Burnham, Berrow and Brean Angling Zone survey and decide on appropriate management measures if required.	2018 - 2019	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Review and update the D&S IFCA RSA Strategy (2014-2016).	2018	
			Incorporate data from the Angling 2012 and D&S IFCA RSA 2013 into the future versions of the D&S IFCA RSA Strategy.	2018-2019	
			Consider projects that will provide signage and bait preparation areas, and promote sustainable angling practices in Somerset.	2018 - 2019	
			Implement agreed actions and report on progress.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
	F3 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	Impacts to habitat and bird features unknown. No impact identified to fish features.	Input into ASERA angling study (see ASERA Action Plan), providing GIS data/layers if possible and appropriate.	2018 - 2019	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Review outcomes of bait digging HRA and implement actions related to bird disturbance as required.	2018 - 2019	
			Consider projects that will provide signage and bait preparation areas, and promote sustainable angling practices in Somerset.	2018 - 2019	

			Implement agreed actions and report on progress.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
	F4 Habitats F4 Birds F5 Fish	No impact identified to habitat and bird features. Significant impact (managed) to fish features.	Enforcement of Potting Permit Byelaw (2015) and Diving Permit Byelaw (2015).	Ongoing	
			Enforcement of fixed engine (fixed nets and longlines) ban within the English section of the EMS.	Ongoing	
			Reintroduction of Wessex Salmon Byelaws via proposed Netting Permit Byelaw.	2018	
			Implementation of proposed Netting Permit Byelaw if assented.	2018	
			Complete HRA for recreational netting activity if required.	2018-2019	
			Implement agreed actions and report on progress.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
c	F4 Habitats F4 Birds F4 Fish	No identified impact to habitat, bird and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
activities) to be considered in an Competent Authority role;					
c	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW and NE.	Ongoing	

Table 5. Environment Agency (EA)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Agricultural run-off	F4 ^{Habitats}	No impact identified to habitat, bird and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
Boat repairs (recreational)	F4 ^{Birds}		End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Collection of scientific data	F4 ^{Fish}		Review and update of activity proforma where necessary.	Ongoing	
Lockgate and dock water management					
Barrage and sluice operation	F4 ^{Habitats} F2 ^{Birds} F4 ^{Fish}	No impact identified to habitat and fish features. No possible impact to bird features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Anchoring (commercial)	F4 ^{Habitats} F4 ^{Birds}	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
Beach cleaning and tidal debris management	F2 ^{Fish}		End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Low-flying aircraft	F4 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	No impact identified to habitat and fish features. Impacts to bird features unknown.	Contribute existing information on the type, location, frequency and intensity of low-flying aircraft activity taking place within or adjacent to the EMS and, in partnership with ASERA, compare against sensitive locations within the site.	2018	
			Work with ASERA to determine whether management measures are required in relation to the above. If required, in partnership with ASERA, help to develop Good Practice Guidelines for low-flying aircraft to reduce disturbance to birds.	2018-2019	
			Implement agreed actions and report on progress.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	

Angling (recreational)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of recreational angling. In partnership with ASERA, NRW and NE, compare against sensitive locations within the site.	2018 - 2019	
			Work with ASERA, NRW, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above.	2018	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Undertake a review of salmon fisheries and consider (and modify if appropriate) how HRAs are conducted. Report back to ASERA on progress as appropriate.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Activities that result in a release of contamination from historic industry	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data; wildfowling).	Ongoing	
Boat repairs (commercial)			Coastal protection, flood defence improvement and maintenance works Continue to work with NE on strategic mitigation measures for waterbirds and for SAC vascular plants.	Ongoing	
Coastal protection, flood defence improvement and maintenance works			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW and NE.	Ongoing	
Collection of scientific data					
Emergency planning					
Grazing					
Habitat creation and restoration					

Maintenance dredging and disposal					
Managing unauthorised waste					
Outfall maintenance					
Wildfowling					

Table 6. Forest of Dean District Council (FoDDC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Anchoring (recreational)	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No impact identified to habitat and bird features. No possible impact to fish features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Land based recreation	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of land-based recreation. In partnership with ASERA, NRW and NE, compare against sensitive locations within the site.	2018 - 2019	
			Review land based recreational activities in light of forthcoming High Tide Roost Study 3 (Gloucestershire), which should be published by early 2018.	2018	
			Work with ASERA, NRW and NE to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Water based recreation	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to bird, habitat and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing	
			Review water based recreational activities in light of forthcoming High Tide Roost Study 3 (Gloucestershire), which should be published by early 2018.	2018	
Property and estate maintenance			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	

			Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Activities that result in a release of contamination from historic industry	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NE.	Ongoing	
Coastal protection, flood defence improvement and maintenance works					
Emergency planning					
Events/festivals					
Managing unauthorised waste					

Table 7. Gloucestershire County Council (GCC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Agricultural run-off	F4 ^{Habitats}	No impact identified to habitat, bird and fish features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Highways discharge	F4 ^{Birds}		Review and update of activity proforma where necessary.	Ongoing	
Property and estate maintenance	F4 ^{Fish}				
Educational fieldtrips	F4 ^{Habitats}	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
	F4 ^{Birds}		End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
	F2 ^{Fish}		Review and update of activity proforma where necessary.	Ongoing	
Land based recreation	F3 ^{Habitats}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of land-based recreation. In partnership with ASERA, NRW and NE, compare against sensitive locations within the site.	2018 - 2019	
	F3 ^{Birds}		Review land based recreational activities in light of forthcoming High Tide Roost Study 3 (Gloucestershire), which should be published by early 2018.	2018	
	F3 ^{Fish}		Work with ASERA, NRW and NE to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
	Plans or Projects (F1 activities) to be considered in an Competent Authority role;				
Archaeology (studies and protection)	F1	This activity is a Plan or Project and	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	

		requires a Habitats Regulations Assessment.	No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NE.	Ongoing	
Coastal protection, flood defence improvement and maintenance works					
Collection of scientific data					
Emergency planning					
Events/festivals					
Grazing					
Managing unauthorised waste					

Table 8. Gloucester Harbour Trustees (GHT)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Anchoring (recreational)	F4 ^{Habitats}	No impact identified to habitat and bird features. No possible impact to fish features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Anchoring (commercial)	F2 ^{Fish}		Review and update of activity proforma where necessary.	Ongoing	
Discharge/exchange of water ballast	F4 ^{Habitats}	No impact identified to habitat, bird and fish features.	In partnership with ASERA, ASERA members and other relevant bodies, consider establishing a Severn Estuary-wide Biosecurity Plan.	2018	
	F4 ^{Birds}		End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
	F4 ^{Fish}		Review and update of activity proforma where necessary.	Ongoing	
Moorings	F4 ^{Habitats}	No impact identified to habitat, bird and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing	
Navigation	F4 ^{Birds}		End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Water based recreation	F4 ^{Fish}		Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Commercial shipping/cargo operations	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NE and NRW.	Ongoing	
Emergency planning					
Events/festivals					
Maintenance dredging and disposal					

Table 9. Monmouthshire County Council (MCC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Agricultural run-off	F4 ^{Habitats}	No impact identified to habitat, bird and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing	
Boat repairs (recreational)	F4 ^{Birds}				
Highways discharge	F4 ^{Fish}				
Water based recreation			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Property and estate maintenance			Review and update of activity proforma where necessary.	Ongoing	
Angling (recreational)	F3 ^{Habitats}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of angling and land-based recreation. In partnership with ASERA, NRW and NE, compare against sensitive locations within the site.	2018 - 2019	
Land based recreation	F3 ^{Birds}		Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
	F3 ^{Fish}		Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Beach cleaning and tidal debris management	F4 ^{Habitats}	No impact identified to habitat and bird features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (educational fieldtrips).	Ongoing	
	F4 ^{Birds}		End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
	F2 ^{Fish}				

Educational fieldtrips		No possible impact to fish features.	Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Activities that result in a release of contamination from historic industry	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data).	Ongoing	
Archaeology (studies and protection)			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW and NE.	Ongoing	
Boat repairs (commercial)					
Coastal protection, flood defence improvement and maintenance works					
Collection of scientific data					
Emergency planning					
Events/festivals					
Grazing					
Habitat creation and restoration					
Managing unauthorised waste					

Table 10. Natural England (NE)

Activity	F-Code	Impact	Action (s)	Timeframe	Progress
NE functions in relation to the implementation of the Habitats Regulations					
Advice on Activities	n/a	n/a	Advise relevant authorities on the identification of appropriate management options for activities with a significant or unknown impact on the designated sites.	Ongoing	
			Work with ASERA to encourage all relevant authorities to review activities and plans & projects, in light the 3 High Tide Roost Studies (links below) recently published: <ul style="list-style-type: none">Study 1 - Brean Down to Clevedon: http://publications.naturalengland.org.uk/publication/5644532501708800Study 2 - Clevedon to Oldbury & Bridgwater Bay: http://publications.naturalengland.org.uk/publication/5645233772036096?category=6127085955317760Study 3 – Gloucestershire – likely to be published by early 2018	2018-2019	
			With reference to the above High Tide Roost Studies, either update EMS Conservation Advice or provide guidelines to inform HRAs.		
			Apply evidence from feature condition assessments, where available, and other expert opinion on designated features in the vicinity of activities with a significant or unknown impact on the designated sites and report back to ASERA.	Ongoing	
			Review updated activity proforma submitted by relevant authorities and update assessments where necessary, in partnership with NRW and ASERA.	Ongoing	
			Advice on Plans and Projects	n/a	
NE activities as a landowner and manager					
Agricultural run-off*◇	F4 ^{Habitats}	No impact identified.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Collection of scientific data*◇	F4 ^{Birds}		Review and update of activity proforma where necessary.	Ongoing	
Property and estate maintenance*◇	F4 ^{Fish}				

Educational fieldtrips*	F4 Habitats F4 Birds F2 Fish	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Angling (recreational)	F3 Habitats F3 Birds F3 Fish	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of angling and land-based recreation. In partnership with ASERA and NRW compare against sensitive locations within the site.	2018 - 2019	
Land based recreation* ◇			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			The recent High Tide Roost Studies (links above) have identified angling disturbance on roosts. For the proposed Coastal Footpath, NE is proposing 200m bird refuge zones around many of these roosts. Discuss and identify opportunities for utilising these refuge zones to include anglers with ASERA and relevant RAs.	2018-2019	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Grazing ◇			In partnership with NRW, provide a summary of the current status and plan for the future of areas to target grazing around the EMS.	2018-2019	
	F3 Habitats F3 Birds F2 Fish	Impacts to habitat and bird features unknown. No possible impact to fish features.	Work with ASERA and NRW to determine whether management measures are required in relation to the above, specifically with regard to Sea Couch management, which is currently under review.	2018-2019	
			Implement agreed actions if required, and report on progress.	As required	

			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Low flying aircraft*	F4 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	No impact identified to habitat and fish features. Impacts to bird features unknown.	Contribute existing information on the type, location, frequency and intensity of low-flying aircraft activity taking place within or adjacent to the EMS and, in partnership with ASERA, compare against sensitive locations within the site.	2018	
			Work with ASERA to determine whether management measures are required in relation to the above. If required, in partnership with ASERA, help to develop Good Practice Guidelines for low-flying aircraft to reduce disturbance to birds.	2018-2019	
			Investigate the possibility of reducing impacts of low flying helicopters over Bridgwater Bay – e.g. disturbance to moulting shelduck.	2018-2019	
			Implement agreed actions and report on progress.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
			Plans or Projects (F1 activities) to be considered in an Competent Authority role;		
Collection of scientific data*◇	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data; wildfowling).	Ongoing	
Events/festivals*			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW and NE as Statutory Nature Conservation Bodies with respect to the Habitats Regulations.	Annually	
Fishing (commercial)*					
Grazing*					
Wildfowling*					
Activities within NE area of jurisdiction (See also Appendix 4)					
Agricultural run-off*◇	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Collection of scientific data*◇			Review and update of activity proforma where necessary.	Ongoing	
Land based recreation*◇	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of land-based recreation. In partnership with ASERA and NRW compare against sensitive locations within the site.	2018 - 2019	

			Work with ASERA, NRW and NE to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Anchoring (recreational)*	F4 Habitats F4 Birds	No impact identified to habitat and bird features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Beach cleaning and tidal debris management*	F2 Fish	No possible impact to fish features.	Review and update of activity proforma where necessary.	Ongoing	
Barrage and sluice operation*◇	F4 Habitats F2 Birds F4 Fish	No impact identified to habitat and fish features. No possible impact to bird features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Moorings*	F3 Habitats F3 Birds F4 Fish	Impacts to habitat and bird features unknown. No impact identified to fish features.	Support North Somerset Council (NSC) in investigating areas of unregulated moorings (wooden jetties/pontoons in Rivers Banwell) to ensure that there is no further spread within the EMS, in partnership with ASERA.	2018 -2019	
			Consider potential disturbance and damage to intertidal habitats as a result of such developments and, where appropriate, address as part of the planning and marine licensing regime, in partnership with ASERA and NSC.	2018 - 2019	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Water based recreation*	F4 Habitats F3 Birds F4 Fish	No impact identified to habitat and fish features. Impacts to bird features unknown.	Work with ASERA and NE to address issues with jet skiing and bird disturbance on the River Axe through: <ul style="list-style-type: none"> Press release on the issues associated with jet skis and bird disturbance Signage at launch sites Engaging with users at the launch sites Monitoring 	2018 - 2019	

			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions and report on progress.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Water channel maintenance*	F4 ^{Habitats}	No impact identified to bird, habitat and fish features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
	F4 ^{Birds}				
	F4 ^{Fish}		Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Archaeology (studies and protection)*	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data; wildfowling).	Ongoing	
Cable laying, hanging and maintenance*			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW and NE as Statutory Nature Conservation Bodies with respect to the Habitats Regulations.	Ongoing	
Collection of scientific data*◇					
Emergency planning*					
Events/festivals					
Grazing*					
Wildfowling*					

*NE provides advice/license ◇ Plan/project that NE undertakes

Table 11. Natural Resources Wales (NRW)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
NRW advice in relation to the implementation of the Habitats Regulations					
Advice on Activities	n/a	n/a	Advise relevant authorities on the identification of appropriate management options for activities with a significant or unknown impact on the designated sites.	Ongoing	
			Apply evidence from feature condition assessments, where available, and other expert opinion on designated features in the vicinity of activities with a significant or unknown impact on the designated sites and report back to ASERA.	Ongoing	
			Review updated activity proforma submitted by relevant authorities and update assessments where necessary, in partnership with NE and ASERA.	Ongoing	
Advice on Plans and Projects	n/a	n/a	Advise Relevant Authorities on the management of their Plans and Projects (F1 Activities). Act as Statutory Nature Conservation Body as part of the HRA process when Relevant Authorities are acting as Competent Authorities in the context of the Habitats Regulations.	Ongoing	
Activities within NRW area of jurisdiction					
(See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Angling (recreational)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of angling and land-based recreation. In partnership with ASERA and NE compare against sensitive locations within the site.	2018 - 2019	
Land based recreation			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	

			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Grazing*◇	F3 Habitats F3 Birds F3 Fish	Impacts to habitat, bird and fish features unknown.	In partnership with NE, provide a summary of the current status and plan for the future of areas to target grazing around the EMS.	2018-2019	
			Work with ASERA and NE to determine whether management measures are required in relation to the above, specifically with regard to Sea Couch management, which is currently under review.	2018-2019	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Bait digging	F3 Habitats F3 Birds F4 Fish	Impacts to habitat and bird features unknown. No impact identified to fish features.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the frequency and intensity of bait digging. In partnership with ASERA, D&S IFCA and NE compare against sensitive locations within the site.	2018 - 2019	
			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Barrage and sluice operation*◇	F4 Habitats F2 Birds F4 Fish	No impact identified to habitat and fish features. No possible impact to bird features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Anchoring (recreational)	F4 Habitats F4 Birds F2 Fish	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (educational fieldtrips).	Annually	
Beach cleaning and tidal debris management*◇			End of year reporting to ASERA on any significant changes in this activity or its management.	Ongoing	
Educational fieldtrips			Review and update of activity proforma where necessary.		

Moorings	F3 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	Impacts to habitat and bird features unknown. No impact identified to fish features.	Support ABP, Newport City Council and Newport Harbour Commissioners with investigating areas of unregulated moorings (wooden jetties/pontoons in Rivers Ebbw and Usk) to ensure that there is no further spread within the EMS, in partnership with ASERA.	2018 - 2019	
			Consider potential disturbance and damage to intertidal habitats as a result of such developments and, where appropriate, address as part of the planning and marine licensing regime, in partnership with ASERA, Newport Harbour Commissioners and ABP.	2018 - 2019	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Boat repairs (recreational)	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to bird, habitat and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing	
Collection of scientific data*◇					
Water based recreation			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Water channel maintenance*◇			Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Archaeology (studies and protection)*	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data; wildfowling).	Ongoing	
Activities that result in a release of contamination from historic industry*			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW and NE as Statutory Nature Conservation Bodies with respect to the Habitats Regulations.	Ongoing	
Coastal protection, flood defence improvement and maintenance works*◇					
Collection of scientific data*◇					
Eel and elver fishing*					

Emergency planning*◇					
Fishing (commercial)*					
Grazing*					
Habitat creation and restoration*◇					
Maintenance dredging and disposal*					
Managing unauthorised waste*◇					
Outfall maintenance*◇					
Pipeline maintenance*◇					
Wildfowling*					
NRW activities as a landowner and/or land manager or may occur on NRW owned or managed land					
Angling (recreational)	F3 Habitats F3 Birds F3 Fish	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of angling and land-based recreation. In partnership with ASERA and NRW compare against sensitive locations within the site.	2018 - 2019	
Land based recreation			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Grazing*◇	F3 Habitats F3 Birds		In partnership with NE, provide a summary of the status of grazing around the EMS.	2018-2019	

	F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Work with ASERA and NE to determine whether management measures are required in relation to the above.	2018-2019	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Bait digging	F3 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	Impacts to habitat, and bird features unknown. No possible impact to fish features.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the frequency and intensity of bait digging. In partnership with ASERA, D&S IFCA and NE compare against sensitive locations within the site.	2018 - 2019	
			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Barrage and sluice operation*◇	F4 ^{Habitats} F2 ^{Birds} F4 ^{Fish}	No impact identified to habitat and fish features. No possible impact to bird features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Beach cleaning and tidal debris management*◇	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (educational fieldtrips).	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Educational fieldtrips			Review and update of activity proforma where necessary.	Ongoing	
Agricultural run-off◇	F4 ^{Habitats} F4 ^{Birds}	No impact identified to bird, habitat and fish features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Collection of scientific data*◇	F4 ^{Fish}		Review and update of activity proforma where necessary.	Ongoing	
Property and estate maintenance*◇					

Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Activities that result in a release of contamination from historic industry*	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data; wildfowling).	Ongoing	
Coastal protection, flood defence improvement and maintenance works*◇			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW and NE as Statutory Nature Conservation Bodies with respect to the Habitats Regulations.	Ongoing	
Collection of scientific data*◇					
Eel and elver fishing*					
Emergency planning*◇					
Grazing*◇					
Managing unauthorised waste*◇					
Outfall maintenance*◇					
Pipeline maintenance*◇					
Wildfowling*					

*NRW provides advice/license ◇ Plan/project that NRW undertakes

Table 12. Newport City Council (NCC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Angling (recreational)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of angling and land-based recreation. In partnership with ASERA and NRW compare against sensitive locations within the site.	2018 - 2019	
Land based recreation			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Beach cleaning and tidal debris management	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (educational fieldtrips).	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Educational fieldtrips					
Agricultural run-off	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to habitat, bird and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing	
Highways discharge					
Property and estate maintenance			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Water based recreation			Review and update of activity proforma where necessary.	Ongoing	

Moorings	F3 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	Impacts to habitat and bird features unknown. No impact identified to fish features.	Investigate areas of unregulated moorings (wooden jetties/pontoons in Rivers Ebbw and Usk) to ensure that there is no further spread within the EMS.	2018 - 2019	
			Consider potential disturbance and damage to intertidal habitats as a result of such developments and, where appropriate, address as part of the planning and marine licensing regime, in partnership with ASERA, NRW, Newport Harbour Commissioners and ABP.	2018 - 2019	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Activities causing a release of contamination through historic industry	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data).	Ongoing	
Archaeology (studies and protection)			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW.	Ongoing	
Cable laying, hanging and maintenance					
Coastal protection, flood defence improvement and maintenance works					
Collection of scientific data					
Emergency planning					
Events/Festivals					
Grazing					
Habitat creation and restoration					
Managing unauthorised waste					
Outfall and pipeline maintenance					

Table 13. Newport Harbour Commissioners (NHC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Anchoring (recreational)	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No impact identified to habitat and bird features. No possible impact to fish features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Angling (recreational)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of recreational angling. In partnership with ASERA and NRW compare against sensitive locations within the site.	2018 - 2019	
			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Discharge/exchange of water ballast	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to habitat, bird and fish features.	In partnership with ASERA, ASERA members and other relevant bodies, consider establishing a Severn Estuary-wide Biosecurity Plan.	2018	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Navigation	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to habitat, bird and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	

			Review and update of activity proforma where necessary.	Ongoing	
Moorings	F3 ^{Habitats} F3 ^{Birds} F2 ^{Fish}	Impacts to habitat and bird features unknown. No impact identified to fish features.	Investigate areas of unregulated moorings (wooden jetties/pontoons in Rivers Ebbw and Usk) to ensure that there is no further spread within the EMS.	2018 - 2019	
			Consider potential disturbance and damage to intertidal habitats as a result of such developments and, where appropriate, address as part of the planning and marine licensing regime, in partnership with ASERA, NRW, ABP and Newport City Council.	2018 - 2019	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Commercial shipping/ cargo operations	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
Emergency planning					
Events/festivals			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW.	Ongoing	
Maintenance dredging and disposal					
Port waste management					

Table 14. North Somerset Council (NSC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Airborne sports	F3 ^{Habitats} F3 ^{Birds} F2 ^{Fish}	Impact to habitat and bird features unknown. No possible impact to fish features.	Input into ASERA study (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of land-based recreation (which includes airborne sports). In partnership with ASERA and NE compare against sensitive locations within the site.	2018 - 2019	
			Work with ASERA and NE to determine whether management measures are required in relation to the above.	2018	
			Use the Coast Path development process and input into signage along the coast.to help manage sensitive locations.	2018-2019	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
			Angling (recreational)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	
Fishing (recreational)	Review land based recreational activities in light of High Tide Roost Studies: <ul style="list-style-type: none">Study 1 - Brean Down to Clevedon: http://publications.naturalengland.org.uk/publication/5644532501708800Study 2 - Clevedon to Oldbury & Bridgwater Bay: http://publications.naturalengland.org.uk/publication/5645233772036096?category=6127085955317760	2018			
	Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018			
	Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018			

Land based recreation			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Bait digging	F3 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	Impact to habitat and bird features unknown. No impact identified to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	2018 - 2019	
			Review the outcomes of the D&S IFCA HRA for bait digging and determine whether any management measures are required.	2018	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Boat repairs (recreational)	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing	
Highways discharge					
Property and estate maintenance			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Water channel maintenance			Review and update of activity proforma where necessary.	Ongoing	
Water based recreation	F4 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	No impact identified to habitat and fish features. Impact to bird features unknown.	Work with ASERA and NE to address issues with jet skiing and bird disturbance on the River Axe through: <ul style="list-style-type: none"> • Press release on the issues associated with jet skis and bird disturbance • Signage at launch sites • Engaging with users at the launch sites • Monitoring 	2018 - 2019	

			<p>Reviews water based recreational activities in light of High Tide Roost Studies:</p> <ul style="list-style-type: none"> Study 1 - Brean Down to Clevedon: http://publications.naturalengland.org.uk/publication/5644532501708800 Study 2 - Clevedon to Oldbury & Bridgwater Bay: http://publications.naturalengland.org.uk/publication/5645233772036096?category=6127085955317760 	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions and report on progress.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Beach cleaning and tidal debris management	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (educational fieldtrips).	Ongoing	
Anchoring (commercial)			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Anchoring (recreational)			Review and update of activity proforma where necessary.	Ongoing	
Educational fieldtrips					
Low flying aircraft	F4 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	No impact identified to habitat and fish features. Impact to bird features unknown.	Contribute existing information on the type, location, frequency and intensity of low-flying aircraft activity, to include the Congresbury Yeo, taking place within or adjacent to the EMS and, in partnership with ASERA, compare against sensitive locations within the site.	2018	
			Work with ASERA to determine whether management measures are required in relation to the above. If required, in partnership with ASERA, help to develop Good Practice Guidelines for low-flying aircraft to reduce disturbance to birds.	2018-2019	
			Implement agreed actions and report on progress.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	

			Review and update of activity proforma where necessary.	Ongoing	
Moorings	F3 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	Impact to habitat and bird features unknown. No impact identified to fish features.	Investigate areas of unregulated moorings (wooden jetties/pontoons in River Banwell) to ensure that there is no further spread within the EMS.	2018 - 2019	
			Consider potential disturbance and damage to intertidal habitats as a result of such developments and, where appropriate, address as part of the planning and marine licensing regime, in partnership with ASERA and NE.	2018 - 2019	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Archaeology (studies and protection)	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NE.	Ongoing	
Coastal protection, flood defence improvement and maintenance works					
Collection of scientific data					
Emergency planning					
Events/festivals					
Grazing					
Habitat creation and restoration					
Managing unauthorised waste					

Table 17. The Port of Bridgwater (PoB) (part of Sedgemoor District Council)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Anchoring (commercial)	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No impact identified to habitat and bird features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Anchoring (recreational)		No possible impact to fish features.	Review and update of activity proforma where necessary.	Ongoing	
Angling (recreational)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of recreational angling. In partnership with ASERA and NRW compare against sensitive locations within the site.	2018 - 2019	
			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Discharge/exchange of water ballast	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to habitat, bird and fish features.	In partnership with ASERA, ASERA members and other relevant bodies, consider establishing a Severn Estuary-wide Biosecurity Plan.	2018	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Navigation	F4 ^{Habitats}			Ongoing	

Moorings	F4 ^{Birds} F4 ^{Fish}	No impact identified to bird, habitat and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).		
Water based recreation			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Boat repairs (recreational)			Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Boat repairs (commercial)	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NE.	Ongoing	
Cable laying, hanging and maintenance					
Commercial shipping/ cargo operations					
Emergency planning					
Events/festivals					
Maintenance dredging and disposal					
Port waste management					

Table 18. Sedgemoor District Council (SDC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Airborne sports	F3 ^{Habitats} F3 ^{Birds} F2 ^{Fish}	Impact to habitat and bird features unknown. No possible impact to fish features.	Input into ASERA study (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of land-based recreation (which includes airborne sports). In partnership with ASERA and NE compare against sensitive locations within the site.	2018 - 2019	
			Work with ASERA and NE to determine whether management measures are required in relation to the above.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Educational fieldtrips	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (educational fieldtrips).	Ongoing	
Beach cleaning and tidal debris management			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Review and update of activity proforma where necessary.			Ongoing		
Angling (recreational)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impact to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of recreational angling and fishing, and land-based recreation. In partnership with ASERA and NRW compare against sensitive locations within the site.	2018 - 2019	
Fishing (recreational)			Review land based recreational activities in light of High Tide Roost Study (Phase 3): <ul style="list-style-type: none">Bridgwater Bay: http://publications.naturalengland.org.uk/publication/5645233772036096?category=6127085955317760	2018	

			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
Land based recreation			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Bait digging	F3 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	Impact to habitat and bird features unknown. No impact identified to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	2018 - 2019	
			Review the outcomes of the D&S IFCA HRA for bait digging and determine whether any management measures are required.	2018	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Low flying aircraft	F4 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	No impact identified to habitat and fish features. Impact to bird features unknown.	Contribute existing information on the type, location, frequency and intensity of low-flying aircraft activity taking place within or adjacent to the EMS and, in partnership with ASERA, compare against sensitive locations within the site.	2018	
			Work with ASERA to determine whether management measures are required in relation to the above. If required, in partnership with ASERA, help to develop Good Practice Guidelines for low-flying aircraft to reduce disturbance to birds.	2018-2019	
			Implement agreed actions and report on progress.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Agricultural run-off	F4 ^{Habitats}			Ongoing	

Boat repairs (recreational)	F4 ^{Birds} F4 ^{Fish}	No impact identified to bird, habitat and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).		
			Review water based recreational activities in light of High Tide Roost Study (Phase 3): • Bridgwater Bay: http://publications.naturalengland.org.uk/publication/5645233772036096?category=6127085955317760	2018	
Property and estate maintenance			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Water based recreation			Review and update of activity proforma where necessary.	Ongoing	
Cable laying, hanging and maintenance	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NE.	Ongoing	
Coastal protection, flood defence improvement and maintenance works					
Eel & elver fishing					
Emergency planning					
Events/festivals					
Habitat creation and restoration					
Managing unauthorised waste					
Outfall and pipeline maintenance					

Table 15. Somerset County Council (SCC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Agricultural run-off	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
Highways discharge			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Water channel maintenance			Review and update of activity proforma where necessary.	Ongoing	
Educational fieldtrips	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Land based recreation	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of land-based recreation. In partnership with ASERA and NE compare against sensitive locations within the site.	2018 - 2019	
			Review land based recreational activities in light of High Tide Roost Studies: <ul style="list-style-type: none"> Study 1 - Brean Down to Clevedon: http://publications.naturalengland.org.uk/publication/5644532501708800 Study 2 (Phase 3) - Bridgwater Bay: http://publications.naturalengland.org.uk/publication/5645233772036096?category=6127085955317760 	2018	
			Work with ASERA, NRW and NE to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	

Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Archaeology (studies and protection)	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data).	Ongoing	
Collection of scientific data					
Emergency planning			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NE.	Ongoing	
Habitat creation and restoration					

Table 16. Stroud District Council (SDC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Agricultural run-off	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Land based recreation	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat, bird and fish features unknown.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of land-based recreation. In partnership with ASERA and NE compare against sensitive locations within the site.	2018	
			Review land based recreational activities in light of forthcoming High Tide Roost Study 3 (Gloucestershire), which should be published by early 2018.	2018	
			Work with ASERA, NRW and NE to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Archaeology (studies and protection)	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data; wildfowling).	Ongoing	
Collection of scientific data			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process associated with planning applications or review of the Local Plan process. Consult with NE.	Ongoing	
Emergency planning					
Managing unauthorised waste					
Wildfowling					

Table 19. The Bristol Port Company (TBPC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Anchoring (commercial)	F4 ^{Habitats}	No impact identified to habitat features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Anchoring (recreational)	F2 ^{Birds} F2 ^{Fish}	No possible impact to bird and fish features.	Review and update of activity proforma where necessary.	Ongoing	
Discharge/exchange of ballast water	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to habitat, bird and fish features.	In partnership with ASERA, ASERA members and other relevant bodies, consider establishing a Severn Estuary-wide Biosecurity Plan.	2018	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Collection of scientific data	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to habitat, bird and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing	
Lockgate and dock water management					
Moorings			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Navigation			Review and update of activity proforma where necessary.	Ongoing	
Property and estate maintenance					
Water based recreation					
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Collection of scientific data	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data).	Ongoing	
Commercial shipping/cargo operations			No further action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process associated with planning applications or review of the Local Plan process. Consult with NE.	Ongoing	
Development					
Emergency planning					

Grazing					
Maintenance dredging and disposal					
Managing unauthorised waste					
Port waste management					

Table 20. Trinity House (TH)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Anchoring (commercial)	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No impact identified to habitat and bird features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Anchoring (recreational)		No possible impact to fish features.	Review and update of activity proforma where necessary.	Ongoing	
Low flying aircraft	F4 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	No impact identified to habitat and fish features. Impact to bird features unknown.	Contribute existing information on the type, location, frequency and intensity of low-flying aircraft activity taking place within or adjacent to the EMS and, in partnership with ASERA, compare against sensitive locations within the site.	2018	
			Work with ASERA to determine whether management measures are required in relation to the above. If required, in partnership with ASERA, help to develop Good Practice Guidelines for low-flying aircraft to reduce disturbance to birds.	2018-2019	
			Implement agreed actions and report on progress.	Ongoing	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Moorings	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to habitat, bird and fish features.	End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
Navigation					
Property and estate maintenance			Review and update of activity proforma where necessary.	Ongoing	
Plans or Projects (F1 activities) to be considered in an Competent Authority role;					
Collection of scientific data	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data).	Ongoing	
			No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process associated with planning applications or review of the Local Plan process. Consult with NE# and NRW*.	Ongoing	

for Steep Holm and other structures in English waters.

*for Flat Holm and other structures in Welsh waters

Table 21. Vale of Glamorgan County Council (VoGCC)

Activity (See also Appendix 4)	F-Code	Impact	Action (s)	Timeframe	Progress
Bait digging	F3 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	Impacts to habitat and bird features unknown. No impact identified to fish features.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the frequency and intensity of bait digging. In partnership with ASERA and NRW compare against sensitive locations within the site.	2018 - 2019	
			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	
			Implement agreed actions if required, and report on progress.	As required	
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually	
			Review and update of activity proforma where necessary.	Ongoing	
Beach cleaning and tidal debris management	F4 ^{Habitats} F4 ^{Birds} F2 ^{Fish}	No impact identified to habitat and bird features. No possible impact to fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (educational fieldtrips).	Ongoing	
End of year reporting to ASERA on any significant changes in this activity or its management.			Annually		
Educational fieldtrips			Review and update of activity proforma where necessary.	Ongoing	
Angling (recreational)	F3 ^{Habitats} F3 ^{Birds} F3 ^{Fish}	Impacts to habitat and bird features unknown. No possible impact to fish features.	Input into ASERA studies (see ASERA Action Plan) where required to help compile information on the type, frequency and intensity of angling and land-based recreation. In partnership with ASERA and NRW compare against sensitive locations within the site.	2018 - 2019	
Land based recreation			Work with ASERA, NE, Welsh Government and D&S IFCA to determine whether management measures are required in relation to the above, developing a strategic approach to visitor management (e.g. through zonation/beach management plans) where necessary.	2018	
			Investigate working with recreational anglers using charter boats to support and promote initiatives such as “fishing for litter”.	2018	
			Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public.	Ongoing	

			Implement agreed actions if required, and report on progress.	As required		
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually		
Low flying aircraft	F4 ^{Habitats} F3 ^{Birds} F4 ^{Fish}	Impact to bird features unknown. No impact identified to habitat and fish features.	Contribute existing information on the type, location, frequency and intensity of low-flying aircraft activity taking place within or adjacent to the EMS and, in partnership with ASERA, compare against sensitive locations within the site.	2018		
			Work with ASERA to determine whether management measures are required in relation to the above. If required, in partnership with ASERA, help to develop Good Practice Guidelines for low-flying aircraft to reduce disturbance to birds.	2018-2019		
			Implement agreed actions and report on progress.	Ongoing		
			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually		
			Review and update of activity proforma where necessary.	Ongoing		
Highways discharge	F4 ^{Habitats} F4 ^{Birds} F4 ^{Fish}	No impact identified to bird, habitat and fish features.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (water based recreation).	Ongoing		
Property and estate maintenance						
Water based recreation			End of year reporting to ASERA on any significant changes in this activity or its management.	Annually		
Water channel maintenance			Review and update of activity proforma where necessary.	Ongoing		
Archaeology (studies and protection)	F1	This activity is a Plan or Project and requires a Habitats Regulations Assessment.	Promotion of ASERA Good Practice Guidelines within organisation and externally to groups, organisations and the public (collection of scientific data).	Ongoing		
Coastal protection, and flood defence improvement and maintenance works			No action is required under the management scheme, but action may be required as a result of the Habitats Regulations Process. Consult with NRW.	Ongoing		
Collection of scientific data						
Emergency planning						

Events/festivals					
Habitat creation and restoration					
Managing unauthorised waste					

Table 22. Association of Severn Estuary Relevant Authorities (ASERA)

Activity	Action (s) for ASERA	Timeframe	Progress
ASERA Meetings and Internal Communications	Organise and facilitate ASERA Working Group and Management Group meetings and circulate the outcomes of these meetings to all member RAs.	Ongoing	
	Organise the ASERA AGM and encourage all member RAs to attend.	Annually	
	Organise and report on Management Group meetings and the ASERA AGM, uploading to ASERA website.	Ongoing	
	Maintain ASERA website and ensure ASERA is represented on Member websites, as appropriate.	Ongoing	
	Responding to relevant queries and consultations on ASERA.	Ongoing	
	Produce and implement a Communications Strategy.	2018 (then ongoing)	
	Disseminate emerging policy and legislation related to the EMS and its management to ASERA members.	Ongoing	
	Share data and evidence relevant to the management of the EMS with ASERA members and publish on the ASERA website.	Ongoing	
Implementation of the Severn Estuary EMS Management Scheme and RA Action Plans	Facilitate communication between the RAs and NE/NRW/D&S IFCA to agree actions for F3 and F5 activities.	2018	
	Produce individual "Information Packs" for RAs, summarising their statutory duties and to provide a "quick reference guide" to the Management Scheme.	June- August 2018	
	Complete annual "ASERA Road Show" to meet with all RAs to review Action Plans to: <ul style="list-style-type: none"> - Review progress and status of individual RA actions; - Discuss any changes in RA activities or their management (which therefore requires activity proforma to be revised and reviewed by ASERA); - Identify any new activities being undertaken within the EMS, but outside of the jurisdiction of the RA; and, - Gather any outstanding information required for the Management Scheme. 	June – August Annually	
	To report on RA progress on their action plans in summary at ASERA AGM, and in full in the ASERA Annual Report. Publish on ASERA website.	ASERA AGMs	
	Ensure the Management Scheme is updated in light of new data and evidence.	Ongoing	
	Work with ASERA to encourage all relevant authorities to review activities and plans & projects, in light the 3 High Tide Roost Studies (links below) recently published:	2018-2019	

	<ul style="list-style-type: none"> Study 1 - Brean Down to Clevedon: http://publications.naturalengland.org.uk/publication/5644532501708800 Study 2 - Clevedon to Oldbury & Bridgwater Bay: http://publications.naturalengland.org.uk/publication/5645233772036096?category=6127085955317760 Study 3 – Gloucestershire – likely to be published by early 2018 		
Recreational Boating	Review the ASERA Recreational Boating in the Severn Estuary (2016) and update where required.	2018	
	Work with NE and North Somerset Council to address issues with jet skiing on the River Axe.	2018 - 2019	
	Address issues of unregulated moorings in the Rivers Banwell, Usk and Ebbw with RAs and NE/NRW.	2018	
Coastal Access	Produce GIS maps of PROW around the Severn Estuary EMS.	2018	
	Review the Wales Coast Path Appropriate Assessment. Meet with NRW Coastal Access Lead to consider if there are any concerns in specific locations and to understand any existing management measures. Discuss whether further measures are required of RAs with NRW.	2018	
	Review England Coast Path progress in vicinity of EMS to date. Meet with NE Coastal Access Lead to understand if there any specific concerns regarding impacts on the EMS and what management measures are already in place. Discuss whether further measures are required of RAs with NE.	2018 - 2019 (pending CP completion)	
	Engage and input into Coast Path discussions with NE as required and appropriate.	2018	
	Update Relevant Authority Action Plans with any relevant actions, discussed and agreed with NE and NRW.	2018	
	Produce a summary report, and leaflet if appropriate, on coastal access to the Severn Estuary EMS.	2018	
Land and beach based activities	Review, analyse and, where easily available, collate existing information on land-based recreation activities e.g bird watching/dog walking; beach based activities (possibly kite surfing, sand bugging, motor cross or other motor sports/driving etc); main coastal residential areas, tourist destinations and attractions. Produce GIS maps of existing information (campsites; public conveniences etc).	2018	
	Incorporate additional information collected by the D&S IFCA during surveys on other shore-based activities observed (e.g. kite-surfing, motor sports).	2018	
	Produce summary table, GIS maps and figures and present to ASERA MG/AGM.	2018	
	Engage and consult with RAs and user groups.	2018	

	Assist in identifying activities/locations where work with RA's may be required to fill information gaps or address potential impacts, identifying possible (precautionary) management measures where appropriate.	2018 - 2019	
	Identify what management measures are already in place by RAs.	2018	
	Seek NE/NRW view on summary of land-based recreation activities in the estuary. Meet to understand if there any specific concerns regarding impacts on the EMS (i.e. are there any specific activities or sensitive locations where potential impacts on the EMS are likely), locations of activities where there are no concerns or where further information is required. Discuss whether further measures are required of RAs with NRW and NE.	2018 - 2019	
	Update Relevant Authority Action Plans with any relevant actions, discussed and agreed with NE and NRW.	2018 - 2019	
	Produce a short summary report, and leaflet if appropriate, on land and beach based recreation within the Severn Estuary EMS.	2018 - 2019	
Shore-based angling, bait digging activities, boat based recreational fishing activities	Review, analyse and, where easily available, collate existing information on recreational angling and bait digging activities.	2018	
	Produce a summary in GIS of the intensity of angling and bait digging activities within the Severn Estuary EMS and present to the ASERA MG.	2018	
	Engage and consult with RAs and user groups.	2018	
	The recent High Tide Roost Studies (links above) have identified angling disturbance on roosts. For the proposed Coastal Footpath, NE is proposing 200m bird refuge zones around many of these roosts. Discuss and identify opportunities for utilising these refuge zones to include anglers with appropriate RAs and CAs.	2018-2019	
	Meet with IFCA, EA, NRW and Welsh Government to understand information held on the nature and intensity of recreational fishing activities in the Severn Estuary, including shore-based angling and bait-digging, and existing management measures in place in order to investigate the above.	2018	
	On basis of discussions with NRW and Welsh Government and results of D&S IFCA Habitat Regulations Assessments, identify if there are any specific activities/sensitive locations/ habitats/ birds where there are likely to be potential impacts on the EMS, activities/locations where there are no concerns, and locations where further information is required.	2018	
	Create a summary table/visual of fisheries interests in the Severn Estuary including statutory duties and key contacts.	2018	

	Assist in identifying activities/locations where work with RA's may be required to fill information gaps or address potential impacts; identifying possible (precautionary) management measures where appropriate.	2018	
	Update Relevant Authority Action Plans with any relevant actions, discussed and agreed with NE and NRW.	2018	
	Produce a short summary report, and leaflet if appropriate, on recreational angling and bait digging within the Severn Estuary EMS.	2018	
Invasive Non-Native Species (INNS)	In partnership with NE/NRW, ASERA members and other relevant bodies, consider establishing a Severn Estuary-wide Biosecurity Plan.	2018	
Atmospheric nitrogen deposition	Investigate the opportunity to work in partnership with Cardiff University's Water Research Institute to host a catchment-wide workshop focussing on atmospheric nitrogen deposition into the EMS.	2018	
Cumulative Impacts	Consider ASERA's role in collating data for cumulative impact assessments to be carried out for F1 activities.	2018	
Good Practice Guidelines	Promote and encourage adoption of the ASERA Severn Estuary EMS Good Practice Guidelines amongst estuary user groups and individuals.	Ongoing	
	Publish final Good Practice Guidelines Communications Strategy on the ASERA website.	2017 AGM	
	Encourage members to promote and distribute Good Practice Guidelines within their area of jurisdiction.	Ongoing	
	Develop new Good Practice Guidelines for new activities or activities that may have changed.	Ongoing	
Provide ASERA RA members with useful GIS information on the EMS	Provide useful GIS data relating to the EMS on the ASERA website in the members only section, or links to that data, including: <ul style="list-style-type: none"> - Summary data collected in the above tasks (water/land recreation, recreational angling, bait digging etc) - Latest available NE/NRW data on conservation features in EMS (Reg 33/35 figures) - Conservation status of EMS - Summary of NE/NRW biotope data - Summary of NE/NRW important bird roosts, when available - Summary of NE/NRW/IFCA/EA important areas for fish, when available 	Ongoing	
	Consider copyright issues.	Ongoing	
Awareness Raising of the EMS	Implement ASERA's Action Plan.	Ongoing	
	Monitor progress with the production of the new NE/NRW Regulation 35 Conservation Advice package, briefing ASERA RA members as appropriate.		.

	Monitor progress with NE/NRW Site Improvement Plan for the Severn Estuary, discussing how ASERA can facilitate its implementation and brief members.		
	Monitor progress with WFD classification process and monitoring relevant to the EMS and brief ASERA members.		
	Liaise with other EMS Groups in England and Wales.		
	Actively engage with both the Welsh and SW marine planning process, including through the Wales Marine Advisory Action Group, Wales Marine Planning Stakeholder Advisory Group and MMO Sustainability Appraisal Group.		
	General engagement and raising awareness of the work of ASERA (RAs, key stakeholders, special interest groups, schools, public etc).		
	Consider additional roles for ASERA and collaborative projects, such as establishing a Liaison Forum, voluntary management initiatives such as beach cleans, research and monitoring projects.		