Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Fal & Helford SAC	•							
Sandbanks	NA	Habitat extent, species and physical characteristics	To maintain the subtidal sandbanks in 'favourable condition', taking account of natural change, with particular reference to: • Eelgrass bed communities; • Maerl bed communities; • Gravel and sand communities; • Mixed sediment communities.	 HTL at St Mawes would take place for the most outside the Site boundary, with the exception of the western section past Castle Point. The defence line outside the site would not directly or indirectly effect subtidal sandbanks, and the HTL past Castle Point is an area which is not expected to erode significantly, consequently limited if any work would be expected, and as there are no subtidal sandbank features present, no effect would arise. HTL in St Just-in-Roseland would occur outside the Site boundary and would result in highly localised hydrodynamic effects only evident during storm events, which would not extend into or affect the Site features, particularly subtidal sandbanks as these are not present close to the policy area. MR at Devoran in all Epochs occurs 3km from the Site boundary and no direct or indirect effects on designated subtidal sandbanks would occur. HTL and MR in Mylor Quay would occur outside or adjacent to the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the Site features, particularly designated subtidal sandbanks. HTL in Epochs 1 and 2 for Flushing would occur outside or alongside the Site boundary where existing defences would be maintained. These defences result in highly localised hydrodynamic effects predominantly evident during storm events, as they are intended to prevent flooding. These localised hydrodynamic effects on designated subtidal sandbanks which are some distance away. MR in Epoch 3 would extend away from the Site boundary, and would not affect subtidal sandbank features. HTL at Penryn would result in the maintenance or upgrade of flood defences at least 1km upstream of the Site boundary and no direct or indirect effects on designated subtidal sandbanks would occur outside or alongside the Site boundary where existing defences would be maintained. These defences result	Coastal squeeze will also take place through the 3 Epochs as a result of sea level rise and the constraint of hard or high ground on the boundary of the Site. The quantity of loss of subtidal sandbank habitats is not known, and no specific modelling has yet been carried out that identifies the loss within the Fal and Helford Estuaries. However, no adverse effect or synergy effects on the subtidal sandbanks have been identified from the HTL and MR policies within this PDZ.	None identified	None identified	Conclude no adverse effect on integrity

	oporting labitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Sandbanks NA		Habitat extent, species and physical characteristics	To maintain the subtidal sandbanks in 'favourable condition', taking account of natural change, with particular reference to: • Eelgrass bed communities; • Maerl bed communities; • Gravel and sand communities; • Mixed sediment communities.	Site and also result in no direct or indirect effects on subtidal sandbank features. HTL in Epoch 1 at Maenporth would occur (110m to 210m) outside the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the Site features, particularly designated subtidal sandbanks. MR in Epochs 2 and 3 would similarly retreat landward away from the Site and also result in no direct or indirect effects on subtidal sandbank features. HTL for Gweek Quays would occur outside or alongside the Site boundary where existing defences would be maintained. These defences result in highly localised hydrodynamic effects predominantly evident during storm flood events, as they are intended to prevent flooding. These localised hydrodynamic effects would not alter the physical characteristics of the Site features, particularly designated subtidal sandbanks which are a significant distance away.				

Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Mudflats and sandflats	NA	Habitat extent and physical characteristics	To maintain the intertidal sand and mudflats in 'favourable condition', taking account of natural change, with particular reference to: • Intertidal sand and gravel communities; • Intertidal muddy sand communities; • Intertidal mixed muddy sediment communities.	 HTL at St Mawes would take place for the most outside the Site boundary, with the exception of the western section past Castle Point. The defence line outside the site would net directly or indirectly effect designated intertidal sand and mudilats, and the HTL past Castle Point is an area which is not expected to erode significantly, consequently limited if any work would be expected. Existing sand beaches would remain though they are not designated. HTL in St Just-in-Roseland would occur outside the Site boundary and would result in highly localised hydrodynamic effects only evident during storm events, which would not extend into or affect the Site features, particularly the intertidal sand and gravel communities that are not present close the policy area. MR at Devoran in all Epochs occurs 3km from the Site boundary and no direct or indirect effects on designated mudilats or sandflats would occur. HTL and MR in Mylor Quay would occur outside or adjacent to the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the Site features, particularly those of designated mudflat and sandflat features. HTL in Epoch 1 for Flushing would occur outside or alongside the Site boundary where existing defences would be maintained. These defences result in highly localised hydrodynamic effects predominantly evident during storm events, as they are intended to prevent flooding. These localised hydrodynamic effects would not alter the physical characteristics of the Site boundary, and would not affect mudflat and sandflat reatures. HTL at Penryn in epoch 1 would result in them aintenance or upgrade of flood defences at least 1 km upstream of the Site boundary where existing defences would be maintained. These defences result in highly localised hydrodynamic effects would not alter the physical characteristics of the Site boundary, and w	No coastal squeeze maytake place as a result of sea level rise and HTL or MR policies on the boundary of the Site. Although coastal squeeze may arise as a result of natural topographic constraintpotential, given the MR intopolicies in the upper and lower Fal, these provide additional intertidal habitat and as such there would be no overall loss (and potentially an increase), as a result of SMP policies.	No specific preventative measures are required.	No mitigation measures are required, though potentially and with further detailed analysis, operation of the Tidal Barrier could be undertaken in a way that enhances the intertidal mudflats within the Tidal Basin.	Conclude no adverse effect on integrity

Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Mudflats and sandflats	NA	Habitat extent and physical characteristics	To maintain the intertidal sand and mudflats in 'favourable condition', taking account of natural change, with particular reference to: Intertidal sand and gravel communities; Intertidal muddy sand communities; Intertidal mud communities; Intertidal mixed muddy sediment communities.	Quay and Boscawen Park with Natural England and Environment Agency representatives identified that due to the bathymetry of the low water channel and the mudflat sea level rise would not be expected to reduce the area of intertidal habitat nor the amount of time the intertidal habitat is exposed. However, this does not take into account of accretion of intertidal habitat in this area (and within the Tidal Basin). However, the MR proposal at Boscawen Pould further provide both additional habitat and relief from any potential constraint. Within the Truro Tidal Basin (covering Newham and Town Quay) the same elevation of the intertidal habitats occurs as at Lighterage Quay and Boscawen Park, in that the predicted increase in sea level rise would not result in a decrease in the area of intertidal habitats occurs as at Lighterage Quay and Boscawen Park, in that the predicted increase in sea level rise would not result in a decrease in the area of intertidal habitat would occur. In addition, the management of the Tidal Barrier provides a controlling function for sediments within the duration of exposure of intertidal habitat would occur. In addition, the management of the Truno Harbourmastery the basin is known to be an accreting system, and is therefore expected toaccrete in line with sea level rise if topography of the intertidal habitat needs to maintain an equilibrium. Overall therefore, for the Truno - Upper Basin,, there would be no change to the area of intertidal habitat, and no noticeable alteration to the mudflats characteristics, based on current information available, and therefore the favourable condition of this element of the mudflats and sandflats conservation objectives would be maintained, and it can be concluded that there will be no adverse effect on integrity of the Site In Calenick Creek, the MR policy is only intended along the existing culvert within the creek. Whereas the intent is for NAI along the vast majority of the mudflats and sandflats conservation objectives would be maintained. Furthe				

Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Mudflats and sandflats	NA	Habitat extent and physical characteristics	To maintain the intertidal sand and mudflats in 'favourable condition', taking account of natural change, with particular reference to: • Intertidal sand and gravel communities; • Intertidal muddy sand communities; • Intertidal mud communities; • Intertidal mud sediment communities.	level rise and resulting coastal squeeze. The amount of intertidal mudflat that would be lost in this stretch of the estuary is not currently known due to a number of factors, not least the estuary wide response to sea level rise in the form of intertidal habitat accretion rates. As HTL only occurs along the existing quay which is outside the Site, erosion of 0.05ha (see Figure C5.3) of land would occur immediately downstream of the quay, which would not be constrained by the quay or the policy. There is also a potential for reduced exposure of intertidal mudflat as a result of sea level rise, however, in the area of HTL, natural topography would provide the same constraint as the existing quay edge, such that no noticeable loss of migration space would occur to the naturally constrained intertidal mudflats that is affected by coastal squeeze, furthermore, intertidal mudflat migration will also be able to occur outside the Site within the estuary. Consequently, the policy along the quay results in the same effect as that with natural change, and does not prevent intertidal expansion elsewhere within the estuary or adjacent to the Site, therefore no decline in favourable condition of this element of the mudflats and sandflats conservation objectives would arise, and no adverse effect on integrity of the Site is expected.				

Primary Qualifying feature	Supporting Habitat Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
	Attribute	To maintain the large shallow inlet and bay in 'favourable condition', taking account of natural change, with particular reference to: • Rocky shore communities; • Subtidal rock and	Potential effect of policy HTL at St Mawes would take place for the most outside the Site boundary, with the exception of the western section past Castle Point. The defence line outside the site would not directly or indirectly effect rocky shore communities, and the HTL past Castle Point is an area which is not expected to erode significantly, consequently limited if any work would be expected, with little or no disturbance to the rocky shore communities expected. HTL in St Just-in-Roseland would occur outside the Site boundary and would result in highly localised hydrodynamic effects only evident during storm events, which would not extend into or affect the Site features, particularly the rocky shore communities which are at least 200m away. MR at Devoran in all Epochs occurs 3km from the Site boundary and no direct or indirect effects on designated shallow inlet and bay features would occur. HTL and MR in Mylor Quay would occur outside or adjacent to the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the Site features, particularly those of designated shallow inlet and bay features. HTL in Epoch 1 for Flushing would occur outside or alongside the Site boundary where existing defences would be maintained. These defences result in highly localised hydrodynamic effects predominantly evident during storm events, as they are intended to prevent flooding. These localised hydrodynamic effects would not flood defences at least 1Km upstream of the Site features, particularly designated rocky shore communities. MR in Epochs 2 and 3 would extend away from the Site boundary, and would not affect shallow inlet and bay features. HTL at Penryn in epoch 1 would result in the maintenance or upgrade of flood defences at least 1Km upstream of the Site features, particularly designated rocky shore communities. MR in Epochs 2 and 3 would excur. MR in the later epochs would provide add	In-combination effect No coastal squeeze maytake place as a result of sea level rise and HTL or MR policies on the boundary of the Site. Although coastal squeeze may arise as a result of natural topographic constraintpotential, given the MR thus preventing any significant effect intopolicies in the upper and lower Fal, these provide additional intertidal habitat and as such there would be no overall loss (and potentially an increase), as a result of SMP policies.		_	Conclude no adverse effect on integrity

upporting Habitat	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative	Mitigation	Implications for the integrity of the Site
Habitat Attribu	To maintain the large shallow inlet and bay in 'favourable condition', taking account of natural change, with particular reference to: • Rocky shore communities;	Potential effect of policy Crek. The policy of MR at Garas Wharl (2.5ha), Boscawen Park (4.8ha), and to the south of Lighterage Quaycould result in the creation of 7.3ha or more of intertidal mudflat (a conservation objective of the shallow inlets and bays qualifying feature for the Site). Detailed examination of Lidar data and site visit to Lighterage Quay and Boscawen Park with Natural England and Environment Agency representatives identified that due to the bathymetry of the low water channel and the mudflat, sea level rise would not be expected to reduce the area of intertidal mudflat nor the amount of time the intertidal mudflat is exposed. However, this does not take into account ol accretion of intertidal mudflat is exposed. However, this does not take into account ol accretion of any potential constraint. Within the Truor Tidal Basin (covering Newham and Town Quay) the same elevation of the intertidal mudflat occurs as at Lighterage Quay and Boscawen Park, in that the predicted increase in sea level rise would not result in a decrease in the area of intertidal mudflat, furthermore given the elevation of the mudflat, no expected reduction in the duration of exposure of intertidal mudflat would occur. In addition, the management of the Truo Harbournaster) the basin is known to be an accreting system, and is therefore expected to accrete in line with sea level rise would herefore, for the Truro – Upper Basin, there would be no change to the area of intertidal mudflat, and hased on examination objectives would be maintained, and it can be concluded that there will be no adverse effect on integrity of the Site In Calenick Creek, the MR policy is only intended along the existing culvert within the creek, whereas the intent is for NAI along the vast majority of the creek. Overall, policiespoliciesponable the intertidal mudflat (through accretion) around the location of the culvert (which is for fluxi alwaler). HTL at Castle Beach (Falmouth) and Gyllyngvase would occur (30m to 80m) outside the Site boundary and	In-combination effect	measures	measures	integrity of the Sit

Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Large shallow inlets and bays	NA	Habitat extent, distribution, salinity and water quality	To maintain the large shallow inlet and bay in 'favourable condition', taking account of natural change, with particular reference to: • Rocky shore communities; • Subtidal rock and boulder communities; • Subtidal sandbank communities; • Kelp forest communities; • Intertidal mudflats; • Saltmarsh.	direct or indirect effects on designated rocky shore communities. MR is proposed for Gweek with HTL at Gweek Quays. HTL at the quay could result in constraints to the expansion of intertidal mudflat as a response to sea level rise and resulting coastal squeeze. The amount of intertidal mudflat that would be lost in this stretch of the estuary is not currently known due to a number of factors, not least the estuary wide response to sea level rise in the form of intertidal habitat accretion rates. As HTL only occurs along the existing quay which is outside the Site, erosion of 0.05ha (see Figure C5.3) of land would occur immediately downstream of the quay, which would not be constrained by the quay or the policy. There is also a potential for reduced exposure of intertidal mudflat as a result of sea level rise, however, in the area of HTL, natural topography would provide the same constraint as the existing quay edge, such that no noticeable loss of migration space would occur to the naturally constrained intertidal mudflats that is affected by coastal squeeze, furthermore, intertidal mudflat migration will also be able to occur outside the Site within the estuary. Consequently, the policy along the quay results in the same effect as that with natural change, and does not prevent intertidal mudflat expansion elsewhere within the estuary or adjacent to the Site, therefore no decline in favourable condition of this element of the shallow inlet and bay conservation objectives would arise, and no adverse effect on integrity of the Site is expected.				

Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Atlantic salt meadows (Glauco- Puccinellietalia maritimae)	NA	Habitat extent, species and physical characteristics	To maintain the saltmarsh (Atlantic salt meadow) in 'favourable condition', taking account of natural change, with particular reference to: • Low and low-mid marsh communities; • Mid and mid-upper marsh communities.	 HTL at St Mawes would take place for the most outside the Site boundary, with the exception of the western section past Castle Point. The defence line outside the site would not directly or indirectly effect saltmarsh habitat, and the HTL past Castle Point is an area which is not expected to erode significantly, consequently limited if any work would be expected, and as there is no saltmarsh habitat present, no effect would arise. HTL in St Just-in-Roseland would occur outside the Site boundary and would result in highly localised hydrodynamic effects only evident during storm events, which would not extend into or affect the Site features, particularly saltmarsh habitat which is not present near the policy area. MR at Devoran in all Epochs occurs 3km from the Site boundary and no direct or indirect effects on designated saltmarsh habitat would occur. HTL and MR in Mylor Quay would occur outside or adjacent to the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the Site features, particularly those of designated saltmarsh features which are located some distance from the policy location. HTL in Epoch 1for Flushing would occur outside or alongside the Site boundary where existing defences would be maintained. These defences result in highly localised hydrodynamic effects put of valued asaltmarsh habitat. HTL at Penryn in epoch 1 would result in the maintenance or upgrade of flood defences at least 1 km upstream of the Site boundary and would not alter the physical characteristics of the Site boundary, and would provide additional potential habitat. HTL at Penryn in epoch 1 would result in themaintenance or upgrade of flood defences at least 1 km upstream of the Site boundary, and sound a sutmarsh habitats which are some distance away. HTL at Penryn in epoch 1, and MR in Epochs 2 and 3 is not expecte	No coastal squeeze maytake place as a result of sea level rise and HTL or MR policies on the boundary of the Site. Although coastal squeeze may arise as a result of natural topographic constraintpotential, given the MR policies in the upper and lower Fal, these provide additional saltmarsh habitat and as such there would be no overall loss (and potentially an increase), as a result of SMP policies.	No specific preventative measures are required.	No mitigation measures are required, though potentially and with further detailed analysis, operation of the Tidal Barrier could be undertaken in a way that enhances the saltmarsh habitat within the Tidal Basin.	Conclude no adverse effect on integrity

Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
feature Atlantic salt meadows (<i>Glauco-</i> <i>Puccinellietalia</i> <i>maritimae</i>)	NA	Habitat extent, species and physical characteristics	To maintain the saltmarsh (Atlantic salt meadow) in 'favourable condition', taking account of natural change, with particular reference to: • Low and low-mid marsh communities; • Mid and mid-upper marsh communities.	Coupled with the limited changes to bathymetry as a result of sea level rise given the responsiveness of the Tidal Basin and the accretion within it, and the lack ofof saltmarsh habitat, no direct or indirect effects would arise and no change to the conservation objectives. In Calenick Creek, the MR policy is only intended along the existing culvert within the creek, whereas the intent is for NAI along the vast majority of the creek. Overall, the policies would enable the saltmarsh habitat to migrate up to the natural topographic extent, and therefore no loss of saltmarsh as a result of constraint due to SMP policy would arise, and the favourable condition of saltmarshthe saltmarsh conservation objectives would be maintained. Furthermore, the intent of MR would not constrain the development of saltmarsh habitat (through accretion or natural movement) around the location of the culvert (which is for fluvial water). HTL at Castle Beach (Falmouth) and Gyllyngvase would occur (30m to 80m) outside the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the Site features, particularly designated saltmarsh habitats which are over 5km away. HTL in Epoch 1 at Swanpool would occur (30m to 130m) outside the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the Site features, particularly saltmarsh habitats which are over 5km away. MR in Epochs 2 and 3 would similarly retreat landward away from the Site and also result in no direct or indirect effects on designated saltmarsh habitats. HTL in Epoch 1 at Maenporth would occur (110m to 210m) outside the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the		measures	measures	integrity of the Site

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Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Estuaries	NA	Habitat extent, distribution, salinity and water quality	To maintain the estuaries in 'favourable condition', taking account of natural change, with particular reference to: • Intertidal mud communities; • Subtidal mud communities; • Intertidal mixed muddy sediment communities; • Subtidal mixed muddy sediment communities; • Estuarine bedrock, boulder and cobble communities; • Subtidal sandbank communities; • Saltmarsh communities. • Reedbed communities.	estuaries conservation objectives. HTL/MR is proposed for the Truro – Upper Basin policy unit. HTL is proposed at Lighterage Quay and within the Tidal Basin, whilst MR is proposed at Garras Wharf, Boscawen Park, and south of Lighterage Quay near the mouth of Calenicj Crrek. The policy of MR at Garras Wharf (2.5ha), Boscawen Park (4.8ha), and to the south of Lighterage Quaycould result in the creation of 7.3ha or more of intertidal habitats (intertidal and subtidal mixed substrate and mud communities being conservation objective of the estuaries qualifying feature for the Site). Detailed examination of Lidar data and site visit to Lighterage Quay and Boscawen Park with Natural England and Environment Agency representatives identified that due to the bathymetry of the low water channel and the intertidal habitat, seal level rise would not be expected to reduce the area of intertidal habitats nor the amount of time the intertidal habitat is exposed and hence would not be expected to result in an alteration of intertidal habitat in this area (and within the Tidal Basin). However, the MR proposal at Boscawen would further provide both additional habitat and relief from any potential constraint. Within the Truro Tidal Basin (covering Newham and Town Quay) the same elevation of the intertidal habitat, furthermore given the elevation of the habitat, no expected reduction in the duration of exposure of intertidal habitat would occur and hence would not be expected to result in an alteration of the intertidal communities. In addition, the management of the Tidal Barrier provides a controlling function for sediments within the Tidal Barrier provides a controlling function for sediments within the Tidal Barrier provides a controlling function for sediments babymetry (courtesy of the Truro Harbourmaster) the basin is known to be an accreting system, and is therefore expected to accrete in line with sea level rise if Tupo - Upper Basin, there would be no change to the area of intertidal or subidal h				

Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Estuaries	NA	Habitat extent, distribution, salinity and water quality	To maintain the estuaries in 'favourable condition', taking account of natural change, with particular reference to: • Intertidal mud communities; • Subtidal mud communities; • Intertidal mixed muddy sediment communities; • Subtidal mixed muddy sediment communities; • Estuarine bedrock, boulder and cobble communities; • Subtidal sandbank communities; • Saltmarsh communities; • Reedbed communities.	features (intertidal and subtidal communities). MR in Epochs 2 and 3 would similarly retreat landward away from the Site and also result in no direct or indirect effects on designated intertidal and subtidal communities. HTL in Epoch 1 at Maenporth would occur (110m to 210m) outside the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the Site features, particularly designated estuary features (intertidal and subtidal communities). MR in Epochs 2 and 3 would similarly retreat landward away from the Site and also result in no direct or indirect effects on designated intertidal and subtidal communities. MR is proposed for Gweek with HTL at Gweek Quays. HTL at the quay could result in constraints to the expansion of intertidal habitat as a response to sea level rise and resulting coastal squeeze. The amount of intertidal habitat that would be lost in this stretch of the estuary is not currently known due to a number of factors, not least the estuary wide response to sea level rise in the form of intertidal habitat accretion rates. As HTL only occurs along the existing quay which is outside the Site, erosion of 0.05ha (see Figure C5.3) of land would occur immediately downstream of the quay, which would not be constrained by the quay or the policy. There is also a potential for reduced exposure of intertidal habitat as a result of sea level rise, however, in the area of HTL, natural topography would provide the same constraint as the existing quay edge, such that no noticeable loss of migration space would occur to the naturally constrained intertidal habitats that are affected by coastal squeeze, furthermore, intertidal habitat migration will also be able to occur outside the Site quay results in the same effect as that with natural change, and does not prevent intertidal habitat expansion elsewhere within the estuary or adjacent to the Site, therefore no decline in fav				

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Supporting Habitat Attribute Conservation Objectives Potential effect of policy In-combination effect Preventative Mitigation Habitat Mitigation measures measures measures measures		
Attribute Conservation Objectives Potential effect of bolicy In-combination effect	Habitat	Conclude no adverse

Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Reefs	NA	Habitat extent, species and physical characteristics	 To maintain the reefs in 'favourable condition', taking account of natural change, with particular reference to: Rocky shore communities; Kelp forest communities; Subtidal rock and boulder communities; Estuarine bedrock, boulder and cobble communities. 	 communities and features. MR in Epochs 2 and 3 would similarly retreat landward away from the Site and also result in no direct or indirect effects on designated reef communities. HTL in Epoch 1 at Maenporth would occur (110m to 210m) outside the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the Site features, particularly designated reef communities and features. MR in Epochs 2 and 3 would similarly retreat landward away from the Site and also result in no direct or indirect effects on designated reef communities. HTL for Gweek Quays would occur outside or alongside the Site boundary where existing defences would be maintained. These defences result in highly localised hydrodynamic effects predominantly evident during storm flood events, as they are intended to prevent flooding. These localised hydrodynamic effects would not alter the physical characteristics of the Site features, particularly designated reef features which are a significant distance away from this policy location. 				

feature	Supporting Habitat Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Shore Dock	Attribute		 Potential effect of policy The HTL at St Mawes does not affect any habitat that would support Shore Dock communities, and as such would have no effect on the population. HTL in St Just-in-Roseland would comprise only localised works that would not result in significant reduction in natural erosion and subsequent supporting habitat for Shore Dock. This statement is based on the indications that erosion along this frontage will not be significant, and that only very small works may be needed with the exception of the Bar but there is no suitable habitat on the bar as it is a manmade feature. MR at Devoran in all Epochs occurs 3km from the Site boundary and no direct or indirect effects supporting habitat for Shore Dock population would occur. HTL and MR in Mylor Quay would occur outside or adjacent to the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site or alter the physical characteristics of the Site features. However, the HTL policy would occur in areas that could potentially provide supporting habitat for Shore Dock if it were allowed to erode naturally with management. HTL and MR in Flushing would occur outside or adjacent to the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm flood events, which would not extend into the Site or alter the physical characteristics of the Site features. The HTL policy would not significantly alter the erosion regime and further the urban area is not ideal Shore Dock habitat, consequently, no alteration to populations would occur. HTL and MR for Penryn would occur outside or alongside the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm flood events, which would not extend into the Site or alter the physical characteristics of the Site features. The HTL policy would not s	In-combination effect		_	-

Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
Shore Dock	Supralittoral Sediment /Rock	Habitat extent and population, disturbance, hydrology, water quality	To maintain the designated species in favourable condition, which is defined in part in relation to their population attributes.	populations would occur. HTL in Epoch 1 at Swanpool would occur (30m to 130m) outside the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site. The HTL policy would not significantly alter the erosion regime and further the urban area is not ideal Shore Dock habitat, consequently, no alteration to populations would occur. MR in Epochs 2 and 3 would similarly retreat landward away from the Site and also result in no direct or indirect effects on Shore Dock populations due to the landward habitats being unsuitable.				
				 HTL in Epoch 1 at Maenporth would occur (110m to 210m) outside the Site boundary and would result in highly localised hydrodynamic effects predominantly evident during storm events, which would not extend into the Site. The HTL policy would not significantly alter the erosion regime and further the backing road is not ideal Shore Dock habitat, consequently, no alteration to populations would occur. MR in Epochs 2 and 3 would similarly retreat landward away from the Site and also result in no direct or indirect effects on Shore Dock populations due to the landward habitats being unsuitable. HTL for Gweek Quays occurs a significant distance from the supporting habitat for Shore Dock and as such no direct or indirect effects would arise. 				

Primary Qualifying feature	Supporting Habitat	Attribute	Conservation Objectives	Potential effect of policy	In-combination effect	Preventative measures	Mitigation measures	Implications for the integrity of the Site
The Lizard SAC (Dra	aft Inshore)				•			
Reefs	N/A	Extent Biotope composition Distribution of biotopes Species population	 Subject to natural change, maintain the Reefs in favourable condition, in particular: Offshore upstanding reefs; Inshore upstanding reefs; Flat bedrock reef. 	In excess of 6km distance from the Site, and no source of impact from HTL or MR policies within this PDZ would be of sufficient scale or magnitude to extend this distance.	No in-combination effect and no synergy effects from policies, and no other activities identified as acting or potentially acting in- combination.	Not applicable	Not applicable	Conclude no adverse effect
The Lizard SAC	I	I			1	1		
Vegetated sea cliffs of the Atlantic and Baltic coasts	NA	Habitat extent and vegetation communities	To maintain the vegetated sea cliffs in 'favourable condition', taking account of natural change, with particular reference to maritime grassland communities.					
Hard oligo- mesotrophic waters with benthic vegetation of <i>Chara</i> <i>spp.</i>	NA	Habitat extent, vegetation composition, water and morphology characteristics	To maintain the Hard oligo- mesotrophic waters in 'favourable condition', taking account of natural change.	In excess of 6km distance from the Site, and no source of impact from HTL or MR policies within this PDZ would be of sufficient scale or magnitude to extend this distance.	No in-combination effect and no synergy effects from policies, and no other activities identified as acting or potentially acting in- combination.	Not applicable	olicable Not applicable	
Mediterranean temporary ponds	NA	Habitat extent, vegetation composition, water and morphology characteristics	To maintain the Mediterranean temporary ponds in 'favourable condition', taking account of natural change.					Conclude no adverse effect
Northern Atlantic wet heaths <i>with</i> <i>Erica tetralix</i>	NA	Habitat extent and physical characteristics	To maintain the Northern Atlantic wet heath habitat in 'favourable condition', taking account of natural change.					
European dry heaths	NA	Habitat extent and physical characteristics	To maintain the European dry heaths in 'favourable condition', taking account of natural change, with particular reference to dwarf shrub heath.					
Dry Atlantic coastal heaths with <i>Erica</i> <i>vagan</i> s	NA	Habitat extent and physical characteristics	To maintain the Dry Atlantic coastal heath habitat in 'favourable condition', taking account of natural change.					

- Wd Pp Tank Tresillian Sewage Works KQ. (disused) 00. T Tack T Polsue Manor Track A Fàrm Path Little Treffry olsue Oc lood 00-Trefry 00. 57 Polsue Gdns 田 Pro_ Kiggon CS 6262 \Box Hut Plantation Kiggon Cottage 0 6m 7 no ==11 ** School
- FIGURE C5.1 Tresillian Policy Unit showing the existing habitat (dark red shading = intertidal mudflat, light green vertical stripes = saltmarsh) and SAC boundary is dark blue shading, with area of potential MR showing extent of allowance of natural movement of intertidal habitats shown in red horizontal stripes



FIGURE C5.2 Truro Policy Units showing the areas of intertidal habitat lost (muddy green hatch = intertidal mudflat, dark green hatch = saltmarsh habitat) and areas of potential additional habitat created through MR policies (in maroon hatch) and SAC boundary is dark blue shading

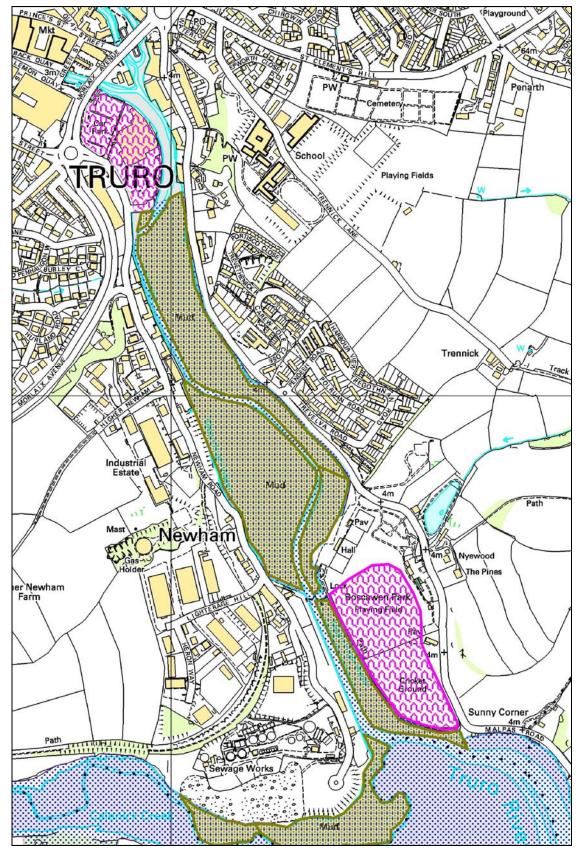


FIGURE C5.3 Gweek Policy Units showing the SAC boundary is shaded blue; the 2105 NAI erosion line (dark red) and 2105 WPM line is blue (area of intertidal mudflat that would be eroded is shaded in red)

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