

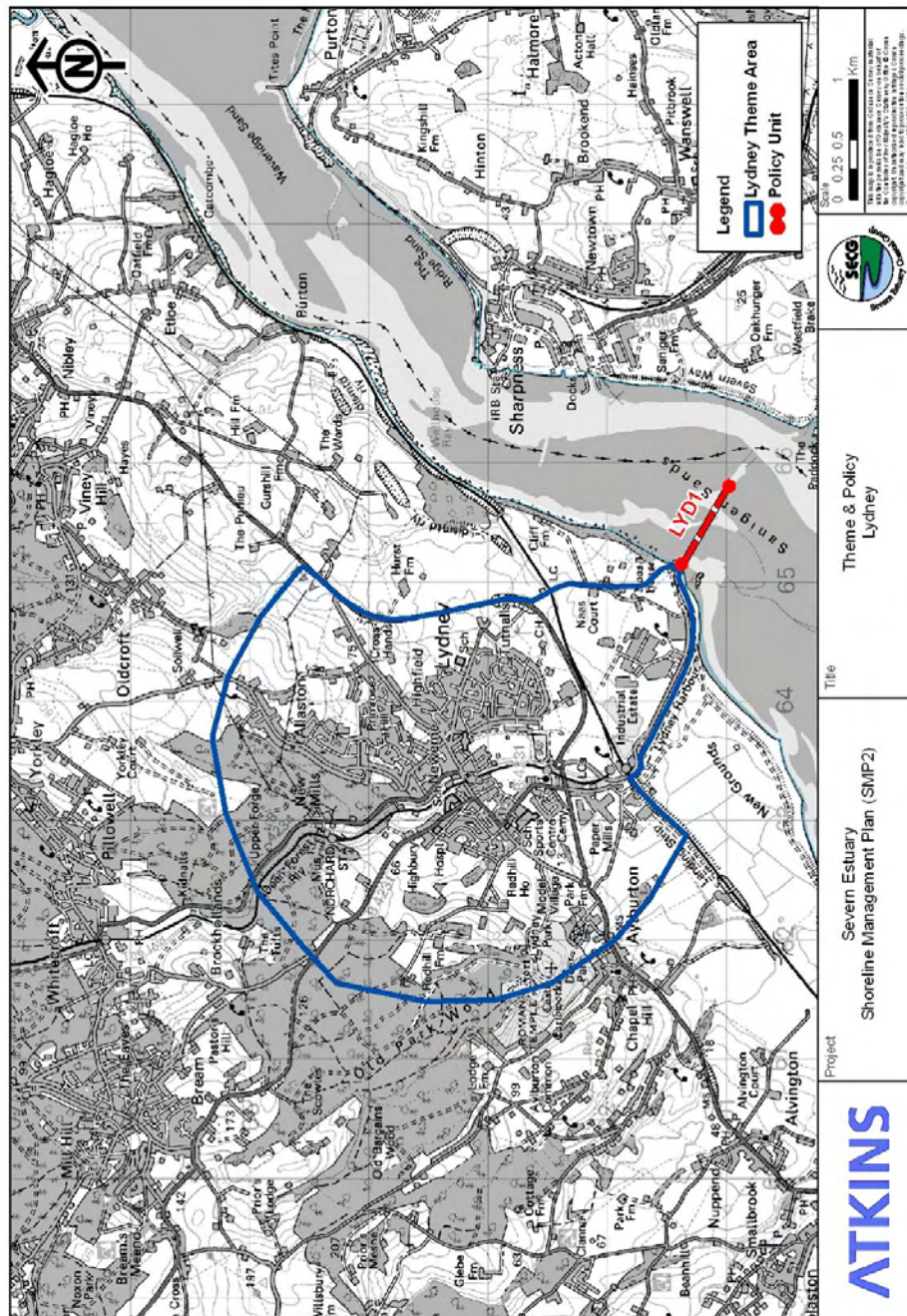
LYDNEY HARBOUR

This Theme area contains the Policy Unit **LYD 1**.

It starts at the mouth of **Lydney Harbour (west)** and ends at the mouth of **Lydney Harbour (east)**.

The **Key Policy Drivers** in this area are:

- International nature conservation sites – Severn Estuary SAC, SPA and Ramsar;
- Critical infrastructure – railway line;
- Residential – Lydney.



The above provides the local details in respect of the SMP-wide policy presented in the preceding sections of this Plan document. These details must be read in the context of the wider-scales issues and policy implications, as reported therein.

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Preferred Policies to Implement the Plan:

Epoch	Preferred Policy	Comments
0 to 20 years (2025)	HTL	<p>The Short Term policy for this unit is Hold the Line.</p> <p>The existing defences (Harbour gates) are expected to remain in place for all three epochs with monitoring and some maintenance. Failure of the defences should be prevented as this Policy Unit is linked to TID 2 and would lead to increased risk of flooding to TID 2. HTL manages the risk of impacts from flooding to Lydney harbour and Lydney.</p> <p>HTL <u>does not</u> guarantee funding to build or maintain current or future defences or to counter sea level rise.</p>
20 to 50 years (2055)	HTL	<p>The Medium Term policy for this unit is Hold the Line.</p> <p>The existing defences (Harbour gates) are expected to remain in place for all three epochs with monitoring and some maintenance. Failure of the defences should be prevented as this Policy Unit is linked to TID 2 and would lead to increased risk of flooding to TID 2. HTL manages the risk of impacts from flooding to Lydney harbour and Lydney.</p> <p>HTL <u>does not</u> guarantee funding to build or maintain current or future defences or to counter sea level rise.</p>
50 to 100 years (2105)	HTL	<p>The Long Term policy for this unit is Hold the Line.</p> <p>The existing defences (Harbour gates) are expected to remain in place for all three epochs with monitoring and some maintenance. Failure of the defences should be prevented as this Policy Unit is linked to TID 2 and would lead to increased risk of flooding to TID 2. HTL manages the risk of impacts from flooding to Lydney harbour and Lydney.</p> <p>HTL <u>does not</u> guarantee funding to build or maintain current or future defences or to counter sea level rise.</p>

Economics

Policy Unit	Existing SMP1 Policy	Time Period (epoch)			SMP2 Assessment	
		0-20	20-50	50-100	Preferred Plan Present Value Damages	Preferred Plan Present Value Defence Costs
LYD 1	HTL	HTL	HTL	HTL	£0m (TID2, LYD1 total)	£2m (TID2, LYD1 total)

The preferred policy is economically viable for the linked Policy Units of TID 2, and LYD 1. The costs and damages of the preferred policy in the table above relate to actions taken in all linked policy units.

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Predicted Implication of the Preferred Plan for the LYD 1 Policy Unit

Time Period	Management Activities	Property, Land Use and Human Health	Nature Conservation – including Earth Heritage, Geology and Biodiversity	Landscape Character and Visual Amenity	Historic Environment	Amenity and Recreational Use
0 – 20 years	The mudstone cliffs will undergo limited erosion within this period, and as a result erosion management activities will be very limited.	Flood risk to Lydney Harbour and associated assets from adjacent policy unit (TID 2) – cannot be affected by actions within LYD 1	An HTL policy will not impact the nature conservation sites during this time period. Works should take account of possible environmental impacts and the need for an EIA.	Limited erosion and flood risk will not impact on existing landscape and visual amenity.	Defences will manage the risk of flooding on the historic environment	Limited erosion and flood risk will not impact on the amenity value of the land or recreational use of the harbour.
20 – 50 years	The mudstone cliffs will undergo limited erosion within this period, and as a result erosion management activities will be very limited.	Flood risk to Lydney Harbour and associated assets from adjacent policy unit (TID 2) – cannot be affected by actions within LYD 1	Coastal squeeze will occur which will result in loss of intertidal habitats. Works should take account of possible environmental impacts and the need for an EIA.	Limited erosion and flood risk will not impact on existing landscape and visual amenity.	Defences will manage the risk of flooding on the historic environment	Limited erosion and flood risk will not impact on the amenity value of the land or recreational use of the harbour.
50 – 100 years	The mudstone cliffs will undergo limited erosion within this period, and as a result erosion management activities will be very limited.	Flood risk to Lydney Harbour and associated assets from adjacent policy unit (TID 2) – cannot be affected by actions within LYD 1	Coastal squeeze will occur which will result in loss of intertidal habitats. Works should take account of possible environmental impacts and the need for an EIA.	Limited erosion and flood risk will not impact on existing landscape and visual amenity.	Defences will manage the risk of flooding on the historic environment	Limited erosion and flood risk will not impact on the amenity value of the land or recreational use of the harbour.

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