Longlist Options Appraisal

Area	Νο	Title	Description
AII	1	Walkaway	A mandatory standard baseline or reference scenario for co cease any and all current activities and walk away'
AII	2	Business as usual	A mandatory standard baseline or reference scenario for co 'sustaining the current arrangements'
Rivers West	3	Direct Defences - Flood Walls/Embankments	Localised defences within the town centre where they can p flooding.
	4	River Diversion	A reprofiling of the gradient of the Afon Rhyd hir so that it o location west of the town
	5	Overpumping on the Afon Rhyd-hir and Afon Penrhos	High volume pumping stations to be constructed in Pwllheli the sea when high tides would otherwise cause a backing u
	6	Upstream Storage	Introducing changes in the upstream land to create greater there.
Coastal West	7	Realign Defences - Coastal	New coastal defences moved marginally inland but remaining along the western coastal frontage, allowing the coastline s
	8	Realign Defences - Inland	New coastal defences to the west of the town, perpendicula coastline to regress.
	9	Beach/Sand Replenishment	Introducing significant volumes of sediment or sand along t extent to which the dunes and shore can act as a barrier to
	10	Hard Engineering Defences	Hard engineered defences such as rock armour or rip-rap to wave erosion.
	11	Groynes & Breakwaters	Hard barriers (typically rock or timber) designed to help tra improving protection from flooding and erosion.
Harbour/	12	Raised Harbour Walls	Increase defence heights around the harbour where needec future storm events.
		A regulated barrier at the harbour entrance to create capac flooding and equally to manage tidal flood risks from storm	
Coastal East	14	Groynes & Breakwaters	Hard barriers (typically rock or timber) designed to help tra improving protection from flooding and erosion.
	15	Hard Engineering Defences	Hard engineered defences such as rock armour or rip-rap to wave erosion.
	16	Beach/Sand Replenishment	Introducing significant volumes of sediment or sand along t extent to which the dunes and shore can act as a barrier to
River East	17	Direct Defences - Flood Walls/Embankments	Raised flood defences in Abererch providing a direct line of Erch.
	18	Upstream Storage	Introducing changes in the land upstream, north of Abererc stored there.
	19	Watercourse Conveyance Improvements	Changes existing structures to allow greater flows to pass, r water levels within the village are elevated during flood flow

Appraisal	Key		 Co Fac The it o The that
	Strategic Fit	Potential Value for Money	Supplie Capacity a Capabili
or reference scenario for consideration. It 'means doing nothing, i.e. es and walk away'			Mandat
or reference scenario for consideration. It is taken to mean ents'			Mandat
wn centre where they can provide direct protection from river	-	0	+
ne Afon Rhyd hir so that it diverts flows to the coast at a new	0	0	+
o be constructed in Pwllheli, designed to pump high river flows to therwise cause a backing up effect.	0	-	+
eam land to create greater capacity for flood water to be stored	0	-	+
arginally inland but remaining consistent with the current alignment ge, allowing the coastline space to regress.	+	0	+
st of the town, perpendicular to the coastal frontage allowing the	+	0	+
of sediment or sand along the western frontage to increase the nore can act as a barrier to storm events .	0	-	-
as rock armour or rip-rap to protect the shoreline against scour and	0	-	+
imber) designed to help trap sediment and preserve the beach, ing and erosion.	0	-	+
the harbour where needed to manage the risk of flooding from	+	0	+
ur entrance to create capacity within the harbour to manage river tidal flood risks from storm surges.	+	0	0

0

0

0

+

0

0

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nber) designed to help trap sediment and preserve the beach, ng and erosion.

as rock armour or rip-rap to protect the shoreline against scour and of sediment or sand along the eastern frontage to increase the nore can act as a barrier to storm events .

ch providing a direct line of defence against flooding from the Afon upstream, north of Abererch to create capacity for flood water to be

low greater flows to pass, reducing the degree to which upstream e elevated during flood flows. Confidence that the option could achieve the Critical Success Factor, although further development is required.

The option needs further development to understand whether it could achieve the Critical Success Factor.

There is appropriate understanding to confidently conclude that the option would not achieve the Critical Success Factor.

