North Solent Shoreline Management Plan

Appendix H: Economic Appraisal and Sensitivity Testing

Appendix H: Economic Appraisal

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Contents by Policy Unit

Note the geographic breakdown of the appraisals presented in this Appendix is not necessarily the same as the final Policy Units (PU). In this Appendix the breakdown has been based upon coastal process and morphological changes along the shoreline. For ease of reference, the following table identifies the page number on which appraisals relevant to each PU start.

	Policy Unit			Summary Table	Summary NAI Erosion losses	Summary NAI Flood Losses	Defence Work Costs	Sensitivity Final Summary Table	Sensitivity Summary Table	Sensitivity Defence Work Costs
No.	From	То	Page No							
4D27a	Hillfield Road, Selsey	West Street, Selsey	Not assessed in SMP as detailed in Pagham to East Head CDS							
5A01	Selsey West Beach	Bracklesham	14	42	49	53	58	n/a	n/a	n/a
5A02	Bracklesham	East Wittering	14	42	49	53	58	n/a	n/a	n/a
5A03	East Wittering	Cakeham	14	42	49	53	58	n/a	n/a	n/a
5A04	Cakeham	Ella Nore Lane	15	42	49	53	58	n/a	n/a	n/a
5A05	Ella Nore Lane	Fishbourne	15	42	49	53	58	35	47	63
5A06	Fishbourne		15	42	49	53	58	35	47	63
5A07	Fishbourne	west of CobnorPoint	16	42	49	53	58	35	47	63
5A08	west of Cobnor Point	Chidham Point	16	42	49	53	58	n/a	n/a	n/a

	Policy Unit			Summary Table	Summary NAI Erosion losses	Summary NAI Flood Losses	Defence Work Costs	Sensitivity Final Summary Table	Sensitivity Summary Table	Sensitivity Defence Work Costs
No.	From	То	Page No							
5A09	Chidham Point	Nutbourne	16	42	49	53	58	n/a	n/a	n/a
5A10	Nutbourne		17	42	49	53	58	35	47	63
5A11	Nutbourne	Prinsted	17	42	49	53	58	n/a	n/a	n/a
5A12	Prinsted	Stanbury Point	17	42	49	53	58	36	47	63
5A13	Stanbury Point	Marker Point	17	42	49	53	58	n/a	n/a	n/a
5A14	Marker Point	Wickor Point	18	42	49	53	58	36	47	63
5A15	Wickor Point	Emsworth Yacht Haven	18	42	49	53	58	36	47	
5A16	Emsworth Yacht Haven	Maisemore Gardens	18	42	49	53	58	n/a	n/a	n/a
5A17	Maisemore Gardens	Wade Lane	19	43	49	53	58	36	47	63
5A18	Wade Lane	Southmoor Lane	19	43	49	53	58	n/a	n/a	n/a
5A19	Southmoor Lane	Farlington Marshes	19	43	49	53	58	n/a	n/a	n/a
5A20	Farlington Ma		20	43	49	53	59	37	47	63
5A21	Farlington Marshes	Cador Drive	20	43	49	53	59	n/a	n/a	n/a
5A22	Cador Drive	A27	21	43	49	53	59	n/a	n/a	n/a
5A23	A27	Fleetlands	21	43	49	53	59	n/a	n/a	n/a
5A24	Fleetlands	Quay Lane	21	43	50	53	59	n/a	n/a	n/a

	Policy Unit			Summary Table	Summary NAI Erosion Iosses	Summary NAI Flood Losses	Defence Work Costs	Sensitivity Final Summary Table	Sensitivity Summary Table	Sensitivity Defence Work Costs
No.	From	То	Page No							
5A25	Quay Lane	Portsmouth Harbour entrance	22	43	50	53	59	n/a	n/a	n/a
5B01	Portsmouth Harbour entrance	Gilkicker Point	22	43	50	53	59	n/a	n/a	n/a
5B02	Gilkicker Point	Meon Road, Titchfield Haven	22	43	50	53	59	n/a	n/a	n/a
5B03	Meon Road, Titchfield Haven	Hook Park	22	43	50	53	59	n/a	n/a	n/a
5C01	Hook Park	Warsash North	23	43	50	53	59	n/a	n/a	n/a
5C02	Warsash North	Swanwick Shore Road	23	43	50	53	59	n/a	n/a	n/a
5C03	Swanwick Shore Road	Bursledon Bridge	23	43	50	53	59	n/a	n/a	n/a
5C04	· ·		23	43	50	54	59	n/a	n/a	n/a
5C05	Satchell Marshes	Hamble Common Point	24	44	50	54	59	n/a	n/a	n/a
5C06	Hamble Common Point	Hamble Oil Terminal	24	44	50	54	59	n/a	n/a	n/a

	Policy Unit			Summary Table	Summary NAI Erosion losses	Summary NAI Flood Losses	Defence Work Costs	Sensitivity Final Summary Table	Sensitivity Summary Table	Sensitivity Defence Work Costs	
No.	From	То	Page No								
5C07	Hamble Oil Terminal	Ensign Industrial Park	24	44	50	54	59	n/a	n/a	n/a	
5C08	Ensign Industrial Park	Cliff House	25	44	50	54	59	n/a	n/a	n/a	
5C09	Cliff House	Netley Castle	25	44	50	54	60	n/a	n/a	n/a	
5C10	NetleyCastle	WestonPoint	25	44	50	54	60	n/a	n/a	n/a	
5C11	Weston Point	Woodmill Lane	26	44	50	54	60	n/a	n/a	n/a	
5C12	Woodmill Lane	Redbridge	26	44	50	54	60	n/a	n/a	n/a	
5C13	Lower Test Va	alley	26	44	50	54	60	n/a	n/a	n/a	
5C14	Redbridge	Calshot Spit	26	44	50	54	60	n/a	n/a	n/a	
5C15	Calshot Spit	Calshot Spit	27	44	50	54	60	n/a	n/a	n/a	
5C16	Calshot Spit	Inchmery	27	44	50	54	60	37	47	63	
5C17	Inchmery	Salternshill	27	44	50	54	60	n/a	n/a	n/a	
5C18	Salternshill	Park Shore	27	44	50	54	60	37	47	63	
5C19	Park Shore	Sowley	28	44	50	54	60	n/a	n/a	n/a	
5C20	Sowley	Elmer's Court	28	44	51	54	60	38	47	63	
5C21	Elmer's Court	Lymington Yacht Haven	28	44	51	54	60	n/a	n/a	n/a	
5C22	Lymington Yacht Haven	Saltgrass Lane	29	45	51	54	60	38	47	63	
5F01	Hurst Spit	29	45	51	54	60	n/a	n/a	n/a	5F01	

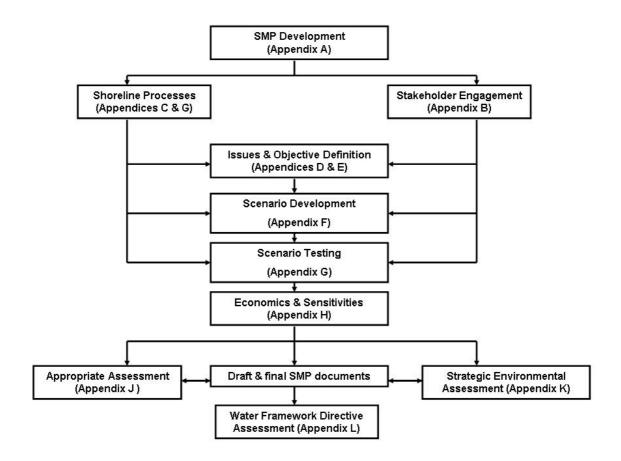
	Policy Unit			Summary Table	Summary NAI Erosion losses	Summary NAI Flood Losses	Defence Work Costs	Sensitivity Final Summary Table	Sensitivity Summary Table	Sensitivity Defence Work Costs
No.	From	То				Pag	ge No			
5API01	Langstone Harbour entrance (harbour)	Portsmouth Harbour entrance	29	45	51	54	60	n/a	n/a	n/a
5API02	Langstone Harbour entrance (open coast)	Portsmouth Harbour entrance	30	45	51	54	60	n/a	n/a	n/a
5AHI01	Langstone Bridge	Northney Farm	30	45	51	54	60	n/a	n/a	n/a
5AHI02	Northney Farr	n	30	45	51	54	60	38	47	63
5AHI03	Northney Farm	Mengham	31	45	51	54	60	38	47	63
5AHI04	Mengham	Chichester Harbour entrance	31	45	51	54	61	n/a	n/a	n/a
5AHI05	Chichester Harbour entrance	Langstone Harbour entrance	31	45	51	54	61	n/a	n/a	n/a
5AHI06	Langstone Harbour entrance	North Shore Road, New Town	32	45	51	54	61	n/a	n/a	n/a
5AHI07	North Shore Road, New Town	West Lane (Stoke)	32	45	51	54	61	n/a	n/a	n/a
5AHI08	West Lane (Stoke)	Langstone Bridge	32	45	51	54	61	38	47	63

The Supporting Appendices

All information used to support the Shoreline Management Plan is contained in a series of Appendices. In this way there is clarity in the decision-making process and the rationale behind the policies being promoted is both transparent and auditable. The appendices are:

Appendix	Subject	Detail
А	SMP Development	Reports the history of development of the SMP, describing fully the plan and policy decision-making process
В	Stakeholder Engagement	All communications from the stakeholder process are provided here, together with information arising from the consultation process
С	Baseline Process Understanding	Includes a baseline process report, defence assessment, NAI and WPM assessments and summarises data used in assessments
D	Theme Review	This report identifies and evaluates the environmental features (human, natural, historical and landscape)
Е	Issues & Objective Evaluation	Provides information on the issues and objectives identified as part of the Plan development, including appraisal of their importance
F	Initial Policy Appraisal & Scenario Development	Presents the consideration of generic policy options for each frontage, identifying possible acceptable policies, and their combination into 'scenarios' for testing
G	Scenario Testing	Presents the policy assessment and appraisal of objective achievement towards definition of the Preferred Plan
Н	Economic Appraisal and Sensitivity Testing	Presents the economic analysis undertaken in support of the Preferred Plan
I	Metadatabase and Bibliographic database	All supporting information used to develop the SMP is referenced for future retrieval and examination
J	Appropriate Assessment	Presents an assessment of the effect the plan will have on European sites.
К	Strategic Environmental Assessment	Presents the various items undertaken in developing the Plan specifically related to the requirements of the EU Council Directive 2001/42/EC (Strategic Environmental Assessment Directive)
L	Water Framework Directive Assessment	Presents an assessment of the implications of the Water Framework Directive

The broad relationships between the appendices are as below:



H1 INTRODUCTION

A review of economic viability has been carried out for the final plan and its associated policies. The review makes a broad assessment of the economic robustness of the final policies for each of the Policy Units. It should be noted that further detailed economic analysis will need to be undertaken in justifying any specific scheme in line with principles set out in Defra's Flood and Coastal Defence Project Appraisal Guidance Note 3: Economic Appraisal (FCDPAG3).

The aim of this review is to determine to what degree the final policy may be justified in broad economic terms relating to coast protection or sea defence. The economic review therefore determines whether or not each policy is:

- Clearly economically viable
- · Clearly not economically viable
- Of marginal viability (and therefore may be in need of a more detailed assessment at a later date, e.g. as part of a strategic plan. Some commentary on this is provided within this report).

It must be recognised that the justification for a particular policy is not necessarily dependant on economic viability alone, as impacts on other benefits may be considered more important e.g. holding and maintaining existing defences to sustain a designated habitat. Such sites may not be considered economically viable under current Treasury guidance; this is particularly applicable to privately owned and maintained defences where the owner may consider the costs of maintenance of defences or maintaining existing defences to a lower standard of protection affordable, but under national Treasury criteria would be deemed not economically viable. Following consultation and discussions with landowners of sites where a policy of Managed Realignment was proposed, the final policies reflect their future defence management intentions, with clear statements as to whether public funding (in the form of Flood and Coastal Defence Grant In Aid) would be available.

The following sections detail how the economic assessment has been undertaken. This is followed by a series of economic statements for each policy unit and spreadsheets providing the economic analysis for this SMP.

H2 USE OF EXISTING INFORMATION

For some frontages within the North Solent area, Coastal Defence Strategies and schemes have been developed, in line with the recommendations and to address uncertainties identified in SMP1. While information has been incorporated as it becomes available, such as from Coastal Defence Strategies, it is clearly not possible to include detailed information of concurrent studies, such as Coastal Defence Strategies that have not been approved or a completed draft available at the time of developing this

document; therefore, information from these sources has not been incorporated into the SMP assessment. The completed studies have been able to consider the economic consequence for specific areas in far greater detail than would be appropriate for the second round SMPs. For example, the strategies have been able to determine specific damages relating to flooding due to overtopping and consider damages relating to aspects such as amenity and uses of the coast. For studies that have been completed prior to the development of this SMP, the information could only be used where it is directly comparable with the Policy Units, and the criteria are valid and consistent with current Defra guidance. However, the majority of the North Solent SMP shoreline has not been included or covered by such Coastal Defence Strategy studies, and accordingly it has been necessary to adapt information from the completed studies to allow this information to be used in this economic appraisal. The following datasets were consulted to obtain information for the economic review:

- Address Point datasets
- National Property Dataset (December 2005) for property locations and identification of commercial properties and values
- http://news.bbc.co.uk/1/shared/spl/hi/in_depth/uk_house_prices/counties/html/counties.stm for residential property values (July 2009)
- https://statistics.defra.gov.uk/esg/publications/auk/2008/AUK2008CHAPTE
 R4 AUK.pdf for agricultural land values
- SMP Guidance for defence costs
- Futurecoast for guidance on erosion rates
- Environment Agency Indicative Floodplain for indicative Flood Zone 3 mapping (2007) (1 in 200 year return period levels)
- PUSH Flood Zone (2115) mapping for Hampshire (1 in 200 year return period levels)
- Pagham to East Head Coastal Defence Strategy (approved) Flood Zone (2108) mapping (1 in 200 year return period levels) for West Sussex area within North Solent SMP project area
- Pagham to East Head Coastal Defence Strategy (2008) (approved)
- Portsea Island Coastal Defence Strategy (final approval 2010)
- Portchester to Emsworth Coastal Defence Strategy (in preparation)
- River Itchen, Weston Shore, Netley and River Hamble Coastal Defence Strategy (in preparation)
- West Solent Coastal Defence Strategy (in preparation)

H3 GENERATION OF DATA

There is very limited existing information that can be used directly to confirm robustness of the SMP policy and, therefore, such a 'Broad-scale Economic Review' uses nationally available information on property locations and values together with the tidal flood and coastal erosion risk maps developed through the assessment of shoreline interactions and responses, and the defence assessment data (Appendix C). The numbers and type of properties (residential or commercial), the area and type of agricultural land (grades 1 to

5) and area and type of nature conservation designated sites at risk from tidal flood or coastal erosion risk were calculated using Geographical Information Systems (GIS).

The Modelling and Decision Support Framework (MDSF) software suggested in the Defra SMP guidance was not utilised as considerable detailed data and documentation was readily available and had already been produced through the development of the SMP. These datasets in a wide variety of formats were most effectively collated, analysed and presented through GIS techniques and GIS-linked databases. This information was made available and contributed towards the development of other CDS and other studies that were being progressed.

H3.1 DETERMINING DAMAGES AND BENEFITS

The North Solent SMP assessments used a high level analysis to identify properties potentially at risk from coastal erosion and tidal flooding. The National Property Dataset (2005) was used, under licence from the EA, to determine the number and location of residential and commercial properties at risk from erosion and/or tidal flooding. Each property with a postal address within the NPD is represented by a point (please note that outbuildings, such as warehouses, barns, etc that do not have a postal address assigned to them are not included within the NPD). Properties with a single address point but with multiple occupancies, i.e. blocks of flats, are identified within the attribute tables. Multiple occupancy of property addresses have been included within the SMP assessments.

Only those property points from the NPD that fell within the erosion risk zones were included in the total number of properties, including multiple occupancies. If a property point fell landward of the 50-100yr erosion zone, this was not included in the totals. Aerial photography was not used as a base layer. Therefore, at the SMP scale of assessment the total no of properties potentially at risk from erosion and flooding will be underestimated. FCERMS and other more detailed studies will provide more accurate totals and valuations for the properties at risk

Indicative flood mapping for the 1:200 yr return event for 2007 and in 100years were overlaid onto the National Property Dataset base map to quantify the number of properties at risk from tidal flooding now and in 100 years time for each Local Authority, and for each affected Council Ward area. (Please refer to Appendix C Section C5 for further details on method and datasets)

Average annual erosion rates have been determined using coastal monitoring programme data, aerial photography analysis, local engineer expertise CDS and other studies, and then extrapolated to produce indicative erosion zones for each SMP epoch. Shoreline erosion risk was determined and mapped for 20, 50 and 100 years time under baseline scenarios of No Active Intervention (where there is no expenditure on maintaining or improving existing coastal and flood defences and defences will fail at a time dependent upon their

residual life and the condition of the fronting beaches and inter-tidal areas) and With Present Management' (all existing defence practices are continued, therefore defences are maintained to provide a similar level of protection over the next 100 years to that provided at present resulting in no erosion predicted).

The benefits are the damages averted or deferred by the preferred plan i.e. the difference in losses between implementing the proposed policies and the No Active Intervention (NAI) scenario. These have been calculated for each epoch. Although policy appraisal has determined a 'zone' of likely future erosion, only the most landward extent of the likely erosion (for each period: 0-20, 20-50 and 50-100 years) has been used in the present analysis for the purposes of estimating possible benefits. It should be noted that average erosion rates used for this SMP are estimates (see Appendix C). As such, erosion losses calculated through erosion are indicative and therefore should be used accordingly. The landward likely erosion lines have been mapped on a GIS and property types (residential or commercial) identified through the use of Address Point and the National Property Dataset. Losses of buildings which do not have an address point (e.g. barns, warehouses, out-lying buildings) or identified costs associated with temporary flooding issues associated with infrastructure e.g. road flooding, rail flooding, have not been included in the economic assessment. This indicates that cost estimates and damage valuations are likely to be underestimated in this assessment.

Value data for residential and commercial properties, along with agricultural land values, have been used to calculate potential economic losses and economic benefits for the NAI scenario and the preferred plan scenario. In areas where there is a tidal flooding risk, no attempt has been made to undertake detailed flood risk modelling; rather areas identified as at flooding risk by the Environment Agency's flood mapping have been used to identify assets potentially at risk. The potential damages in these areas are simply taken as the summed value of all the 'at risk' assets. This is based on the assumption that under a NAI scenario flood defences would fail and all at risk assets would be inundated and become uninhabitable. This is taken as an indicative figure for the assets potentially protected by defence structures. In calculating damages and benefits for the preferred scenario, no account has been taken of the potential for short-term accelerated or delayed losses compared to NAI, other than the total adjustment in shoreline position at the end of each epoch.

The SMP does not take account of standards of protection as it is only defence management policy that is being determined. Standards of protection relate to implementation of these policies, which is usually undertaken within more detailed 'strategy' level studies.

H3.2 ESTIMATING VALUE OF BENEFITS

H3.2.1 Valuation of Properties

For properties, losses and benefits have been calculated only on the basis of residential and commercial property values. Current average residential property prices were obtained from www.news.bbc.co.uk/1/shared/spl/hi/in_depth/uk_house_prices/counties/html/counties.stm, which provided property price statistics per Local Authority area. These values have been assigned according to Table 1 below.

Local Authority	Average Value (£)
Chichester DC	255,169
Havant BC	185,899
Portsmouth CC	141,195
Gosport BC	147,211
Fareham BC	220,106
Winchester CC	306,415
Eastleigh BC	214,907
Southampton CC	160,214
Test Valley BC	265,551
New Forest DC	260,165

Table H1: Average property values per Local Authority

Using the 20, 50 and 100 year erosion contours, the Capital Value (CV) and discounted Present Value (PV) of the properties have been calculated for the flood risk areas, GIS has been used to simply sum the CV for all built assets within the flood area, using the property database.

H3.2.2 Valuation of Agricultural Land

Agricultural land values were calculated from land prices obtained from Defra. In accordance with guidance, the values of land are multiplied by a factor of 0.65 to remove the cost of subsidies. (The Flood and Coastal Defence Appraisal Guidance Economic Appraisal supplementary Note to Operating Authorities: Valuation of Agricultural Land and Output for Appraisal Purposes, May 2008 replaces Annex B of FCDPAG3 and is line with the Treasury Green Book). As these values are from 2004 an RPI factor has been applied to bring the values up to date (2009). For each agricultural grade a value (£ per ha) has been assigned according to Table 2 below.

Grade	Average price for southeast England 2004 (£ per hectare)	Average Price multiplied by 0.65 to remove the cost of subsidies (£ per hectare)	Average price for southeast England updated to 2009 base date by RPI (£ per hectare)	
1 & 2	7,256	6,178	7,058	
3	8,289	7,058	8,063	
4 & 5	6,572	5,596	6,393	
No grade	4,016	3,420	3,907	

Table H2: Agricultural Land Prices

H3.2.3 Exclusions

In accordance with SMP guidance, the following have not been valued or included in the economic appraisal:

- losses associated with buildings with no Address Point identifier (e.g. barns, warehouses, out buildings);
- costs associated with temporary flooding
- other assets such as caravans, holiday chalets, beach huts, car parks,
- infrastructure and other utilities (e.g. highways, rail links, services); and
- intangibles, such as recreation and amenity value and use)

The exclusion of these factors will robustly influence economic viability, as these would provide added value. More detailed studies, such as Coastal Defence Strategies would attempt to incorporate such values, to determine economic viable measures to evaluate and determine defence management options.

H3.3 ESTIMATING DEFENCE COSTS

Future coastal defence management approaches for each Policy Unit have been developed as part of the preferred plan. From this, the broad replacement and maintenance requirements for each epoch have been determined. Where there is no existing information relating to future defence costs for an area, e.g. from a strategy plan or scheme design, costs have been generated using other nationally available information. It has also been identified that costs should be included for habitat creation that will be required through the implantation of the preferred plan.

H3.3.1 Costs of Replacing Defences

Replacement costs for general defence types have been taken from the revised Shoreline Management Plan Guidance (from Defra (2006) Flood and Coastal Defence Appraisal Guidance, FCDPAG3 Economic Appraisal, Supplementary Note to Operating Authorities – Climate Change Impacts, October 2006). This suggests average replacement costs of:

£2.7million/km for linear structures (e.g. revetments, seawalls)
 £5.1million/km for beach management schemes
 £0.6million/km for groynes, embankments and other "low cost" defences.

Optimism bias in accordance with most recent Defra guidelines was finally applied to all costs (at 60%) to reflect uncertainty in broad level analysis at the SMP scale.

H3.3.2 Maintenance Costs for Defences

Maintenance costs have been taken from the Defra National Appraisal of Defence Needs And Costs (NADNAC) study (from Defra (2004) NADNAC National Appraisal of Defence Needs and Costs Study). The average annual maintenance costs are:

- £10,000/km for linear structures (e.g. revetments, seawalls) and groyne fields
- £20,000/km for beach management schemes

Allowance has also been made for the increase in costs due to climate change, and takes account of the need to make structures higher, deeper and more resilient to increased exposure. The assumptions were:

- no cost increase for the 0-20 year epoch
- costs factored up by 1.5 times present day rates for the 20-50 year epoch
- costs factored up by 2.0 times the present day rates for the 50-100 year epoch

Optimism bias in accordance with most recent Defra guidelines was finally applied to all costs (at 60%) to reflect uncertainty in broad level analysis at the SMP scale.

H3.3.3 Construction Intervals for Defences

The SMP guidance states that the timing of full scheme reconstruction required (i.e. design life) is at least:

- once every 100 years for linear defences, such as seawalls and revetments;
- every 50 years for beach schemes; and
- every 30 years for groynes and embankments.

However, these periods may become more frequent for areas where erosion potential is high e.g. on the outside of meanders and in confined channel locations. The interval or requirement for maintenance works has been assumed to be the same rate every year throughout the life of the scheme. In reality, this will be less in the early years and will increase in later years of the scheme's life. However, for the broad-brush appraisal undertaken at SMP level this will make no difference to decisions.

H3.4 ESTIMATING HABITAT CREATION COSTS

The Environment Agency Habitat Creation Programme Team provided estimations of habitat creation costs for inter-tidal and transitional freshwater (e.g. coastal grazing marsh) habitats. These were:

- £75,000/hectare for inter-tidal habitat
- £35,000/hectare for coastal grazing marsh habitat

Estimation of costs associated with the provision of compensatory inter-tidal habitats resulting from coastal squeeze (ongoing maintenance of defences preventing the natural landward migration of inter-tidal habitats) have also been provided by the Environment Agency Habitat Creation Programme Team. These costs have been based on the following:

- 600 hectares estimated total area of inter-tidal habitat loss resulting from coastal squeeze (Solent Dynamic Coast Project, 2008)
- 212km approximate length of defences causing coastal squeeze
- Therefore, this equates to approximately 2.8 hectares of coastal squeeze losses per km of defence.
- £75,000 is cost of inter-tidal habitat creation
- Therefore, this equates approximately £210,000 is cost per km of defence for offsetting coastal squeeze resulting from Hold the Line policies
- This rate has then been applied to those Policy Units with a proposed HTL policy affecting a European designated site.

H3.5 COMPARISON OF COSTS AND BENEFITS

As this review is not a full economic assessment, a formal benefit-cost assessment using benefit-cost ratios (BCR) has not been conducted; rather, the information available has been used to review the robustness of the preferred plan. In comparing likely benefits and likely costs for the policies for an individual location, over the full 100 year period it is, however, still useful in some instances to be able to consider these in terms of Present Value (PV). Present Value is the value of a stream of benefits or costs when discounted back to the present day.

For this SMP, the discount factors used are the latest provided by Defra for assessment of schemes, i.e. 3.5% for years 0-30, 3.0% for years 31-75, and 2.5% thereafter. For calculation of PV damages, the approximate timing of property losses has been determined using erosion and flood mapping and corresponding discount factors applied accordingly. For calculation of PV costs for defence replacement, the average discount factor for each epoch has been used, the actual timing of works being uncertain at present. The year-on-year maintenance PV costs have been calculated using the total of the discount rates for that epoch. The figures generated reflect the high level nature of the assessments undertaken.

H3.6 CONSIDERATION OF OBJECTIVE-LED LOCALISED POLICY REQUIREMENTS

In the draft SMP the proposed objective-led policies with the localised potential MR or environmental enhancement through regulated tidal exchange (RTE), or localised HTL policy caveats (identified in Appendix F and Appendix G) were considered within the economic appraisal.

Within the appraisal of frontages identified with localised HTL, indicative estimates of primary defences and costs associated with inter-tidal habitat creation, for offsetting coastal squeeze, were included.

Where necessary, setback or secondary defence requirements for localised MR (as presented in the Solent Dynamic Coast Project) and compensation costs associated with creating coastal grazing marsh resulting from the localised MR, were included within the assessment.

Within the Sensitivity Testing appraisals, a comparison between the policy scenario with and without the localised policy caveat was undertaken to determine the most economically viable option for that Policy Unit.

Where the objective-led policy with the localised policy was considered more economically viable than without the localised policy, the policy definition for the Policy Unit included the localised policy option.

Following the public consultation and the determination of the final SMP policies, the majority of the proposed MR policies and localised MR policies

that were proposed on privately owned landholdings or behind privately maintained defences, were objected to by the landowners. The final policies have therefore been changed, following public consultation to reflect the intentions of the landowner's future management of their defences

For many of the privately owned frontages, which have been assigned a HTL policy with a clear statement that no public funding would be available to maintain or upgrade existing defences, the final policies are considered economically marginal or not viable; it is important to note that private landowners may consider costs associated with maintenance and upgrading their defences affordable but the national economic criteria indicates the works are marginal or not viable. There is however, a risk that defence costs may result in defences not being maintained as effectively Over the long-term and could lead to failure or increased frequency of flooding to landholdings, properties, communities and environmentally important sites.

Further more detailed and site-specific studies will need to consider the identified potential localised opportunities where the final policies are considered economically marginal or not viable but have been changed, following public consultation to reflect the intentions of the landowner's future management of their defences; it is important to note that private landowners may consider costs associated with maintenance and upgrading their defences affordable but the national economic criteria indicates the works are marginal or not viable. These further detailed studies should also reconsider the proposed objective-led policy and localised policy options.

H4 ECONOMIC APPRAISAL FINAL SUMMARY TABLE

The Table below provides the Final Summary Tables of the economic review of the final policy scenarios for each Policy Unit, which may be different to the objective-led policies proposed in the draft SMP. It outlines information used in this review, including benefits and costs, together with a statement on economic viability. The Table details the cumulative costs per epoch for each Policy Unit, which is considered the most useful summary of potential costs. It is important to note that economic appraisals will be further assessed at the CDS and Scheme level in more detail. Summary data is also available in the main SMP document. The total costs apply national economic criteria for all defences, including private defences, but descriptions state whether defences are privately owned and funded. The Action Plan identifies further studies, CDS, Schemes and consultations with defence owners to determine affordability, which has been differentiated from economically viability. The assessment includes:

- indicative length estimates of primary defences
- indicative length estimates of secondary defences
- costs associated with inter-tidal habitat creation for offsetting coastal squeeze
- compensation costs associated with creating coastal grazing marsh resulting from MR or environmental enhancement through regulated tidal exchange (RTE)
- statement of economic viability of the objective-led policy scenario

Following the public consultation and the determination of the final SMP policies, the majority of the proposed MR policies and localized MR policies that were proposed on privately owned landholdings or behind privately maintained defences, were objected to by the landowners. The final policies have therefore been changed, following public consultation to reflect the intentions of the landowner's future management of their defences

For many of the privately owned frontages, which have been assigned a HTL policy with a clear statement that no public funding would be available to maintain or upgrade existing private defences, the final policies are considered economically marginal or not viable; it is important to note that private landowners may consider costs associated with maintenance and upgrading their defences affordable but the national economic criteria indicates the works are marginal or not viable. Over the long-term there is however, a risk that defence costs may result in privately owned defences not being maintained as effectively over the long-term. This could lead to failure or increased frequency of flooding to third party landholdings, properties, communities and environmentally important sites elsewhere.

In many cases where defences where privately maintained or owned, the policy scenarios that were previously tested in the sensitivity assessment are the final policies. The economic appraisals have been updated and sensitivity testing sections amended accordingly.

An estimate of the total costs of the identified works associated with the intention of the final management policies for the entire SMP can simply be calculated by summing the cumulative costs for all three epochs for each of the 62 final Policy Unit. It is important to note that defence work costs have been based on national economic criteria (see section H3), which have been applied to all defences, regardless of ownership.

Privately owned and maintained defences may be managed differently to those maintained by Local Authorities and the Environment Agency. For example, the standard of protection the private defences provide to a landholding or individual properties may be lower than in areas that protect significant development; the interval that maintenance works are undertaken may be less frequent than the asset management programmes of the Operating Authorities; works may be undertaken subject to affordability rather than completion of feasibility studies that determine viability and best use of limited public resources. Therefore, when determining an estimate of the cost of the works identified in the final plan the policy options and policy intentions need to take account of ownership. As stated throughout the final plan, maintenance and improvements to private defences are not eligible for public funding, through the Flood and Coastal defence Grant In Aid.

Total cost of the works identified in the final plan assuming funding is available for all defences, regardless of defence ownership, is in the order of £2,400 Million over the 100 years (£1,100M epoch 1; £700M epoch 2; £600M epoch 3). This accounts for optimism bias of 60%, includes estimated costs associated with provision of compensation and mitigation habitats, defence replacement costs and intervals for replacement (as stated in section H3) and includes the maintenance and improvement works to defences which are known to be privately owned and maintained. Costs are anticipated to be highest in epoch 1 due to rebuild and improvement works required due to residual life and condition of existing defences, with continued maintenance of structures in remaining epochs reflecting the design life of the new defences. Considering the significantly high proportion of privately owned and maintained defences with the Solent (over 60%) this total cost estimate is a significant over estimate and is not a realistic reflection of the future financial requirement for managing flood and coastal erosion risk management.

If the known privately owned and maintained defences and those defences owned and maintained by the MOD are removed from the cost estimates the total cost of the works identified in the final plan, can be reduced by at least approximately £300-400 Million over the 100 years. This is provided as a range as there are a number Policy Units that comprise a mixture of public and private defences or structures that provide a flood defence function but are not classified as flood defences per se, e.g. Port of Southampton, western shore of Southampton Water, Portsea Island, etc. At the SMP scale of

assessment the public and private defences on these frontages have been assessed collectively.

Due to the complexities associated with defence ownership, alternative funding opportunities, funding sources for management and relocation of landfill and contaminated land, inter-tidal and freshwater habitat creation opportunities, function of designated and non-designated sites that comprise elements of the Solent-wide network of high tide roost sites and other issues, and increased pressures for further development and redevelopment within the region, the management of defences on frontages on a considerable number of Policy Units will be determined through further detailed studies and Flood and Coastal Erosion Risk Management Strategies (as detailed in the Action Plan). It is likely that the management of defences in a number of locations will be different in the medium and long-term, which may further reduce the forecasts for public Flood and Coastal Defence Grant In Aid within the North Solent SMP region.

	Location	Final Policy	Calculation	n of Damages & Benefits (CV) (£M)	Assu	med Defence Works & Costs	s (CV)	Comment
			Previous	Broad Scale Review		Broad Scale Review		
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	1
5A01	Selsey West Beach to Bracklesham (Medmerry)	Epoch 1 MR (localised HTL Medmerry Cliffs)	Pagham to East Coastal Defence Study (approved)	NAI Damages. Tidal flood losses include 99 properties at a total CVCost of £23M; Erosion losses include 12ha of Grade 3 agricultural land with a CVCost £0.09M and 2 properties with a CVCost of £0.5M	£23.2M.	Maintenance of secondary defences at a CVCost of £10M	Maintenance of secondary defences at a CVCost of £16.6M	Benefits provided by leisure, recreation and amenity assets, including the extensive caravan park complex have not been included in calculations. Refer to Pagham to East Head CDS for more detailed economic analysis of options
		Epoch 2 HTL Epoch 3 HTL		By 2025 25.63 By 2055 27.34 By 2105 30.42 Preferred Plan Damages By 2025 5.34 By 2055 5.83 By 2105 6.56	PVBenefit of £18.2M and a PVCost of £16.5M.	PVBenefit of £44.7M and a PVCost of £19.5M	PVBenefit of £74.1M and a PVCost of £21.1M.	The Plan for this policy unit is considered Economically Viable .
5A02	Bracklesham to East Wittering	Epoch 1 HTL Epoch 2 HTL Epoch 3 HTL	Pagham to East Coastal Defence Study (approved)	NAI Damages: Tidal flood losses include 729 properties at a total CVCost of £185.3M; Erosion losses include 29ha of Grade 3 agricultural land with a CVCost £0.2M and 146 properties with a CVCost of £37M By 2025 66.51 By 2055 135.71 By 2105 223.83 Preferred Plan Damages By 2025 0.00	Linear defences and groynes to be replaced and maintained at a CVCost of £20.9M.	maintenance of defences at a CVCost of £10.9M PVBenefit of £136M and a	Groyne replacement and maintenance of defences at a CVCost of £18.5M	Refer to Pagham to East Head CDS for more detailed economic analysis of options The Plan for this policy unit is
				By 2055 0.00 By 2105 0.00	PVCost of £14.9M.	PVCost of £18.2M	PVCost of £19.9M.	considered Economically Viable.
5A03	East Wittering to Cakeham	Epoch 2 HTL Epoch 3 HTL	Pagham to East Coastal Defence Study (approved)	In MAI Damages: Tidal flood losses include 177 properties at a total CVCost of £42.9M; Erosion losses include 20ha of Grade 3 agricultural land with a CVCost £0.1M and 32 properties with a CVCost of £8.1M By 2025 13.24 By 2055 28.04 By 2105 51.40 Preferred Plan Damages	Maintenance of groynes at a CVCost of £2.9M	Linear defences and groynes to be replaced and all defences maintained at a CVCost of £14.5M. Defences will be realigned slightly to improve coastal processes	Groyne replacement and maintenance of defences and realigned seawall at a CVCost of £8.3M	Refer to Pagham to East Head CDS for more detailed economic analysis of options. Value of assets at risk likely to be underestimated.
				By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £9.4M and a PVCost of £2.1M.	PVBenefit of £27.4M and a PVCost of £6.5M	PVBenefit of £50.2M and a PVCost of £7.3M.	The Plan for this policy unit is considered Economically Viable .

	Location	Final Po	licy	Calculation	of Damages & Benefits (CV) (£M)	Assu	med Defence Works & Costs	(CV)	Comment
			•	Previous	Broad Scale Review		Broad Scale Review		
			1	studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	
5A04	Cakeham (including East Head) to Ella Nore Lane	Epoch 1 Epoch 2 Epoch 3	AM	Pagham to East Coastal Defence Study (approved)	NAI Damages Tidal flood losses include 24 properties at a total CVCost of 26.1M; Erosion losses include 8ha of Grade 3 agricultural land By 2025 4.09 By 2055 5.10	Adaptive Management approach require maintenance of defences and management practices at a CVCost of £11M.	Adaptive Management approach, including beach recharge and groyne replacements require defences and management practices at a CVCost of £12.8M.	Adaptive Management approach, including groyne renewal require defences and management practices, and secondary defences at West Wittering at a CVCost of £7.2M.	Refer to Pagham to East Head CDS for more detailed economic analysis of options. Variable defence works and timings will significantly determine economic appraisal. Future work requirements will be identified through CDS. Value of assets at risk likely to be underestimated.
					By 2105 6.62 Preferred Plan Damages By 2025 0.00 By 2105 0.00 By 2105 0.00	PVBenefit of £2.9M and a PVCost of £7.8M.	PVBenefit of £7.4M and a PVCost of £11.7M.	PVBenefit of £12.5M and a PVCost of £12.4M.	The Plan for this policy unit is considered Economically Marginal
5A05	Ella Nore Lane to Fishbourne	Epoch 2	HTL (NPFA) HTL (NPFA) HTL (NFPA) (localised	Studies have been referred to	NAI Damages. Tidal flood losses include 231 properties at a minimum total CVCost of £53.4M By 2025 18.73 By 2055 33.48 By 2105 55.62 Preferred Plan Damages	Linear defences to be replaced and maintained at a CVCost of £33.9M, includes cost of creating coastal grazing marsh resulting from Horse Pond localised managed realignment	Maintenance of defences at a CVCost of £7.2M.	Maintenance of defences at a CVCost of £13.2M. Localised realignment at Horse Pond not require secondary defences.	Private owned and maintained defences; replacement/maintenance works not viable for public funding. MR works would be publicly funded. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Value of assets at risk likely to be underestimated.
			MR Horse Pond)		By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £13.3M and a PVCost of £24.3M.	PVBenefit of £36.8M and a PVCost of £26.3M.	PVBenefit of £65.6M and a PVCost of £27.5M.	The Plan for this policy unit is considered Economically Marginal , but private owners may consider works affordable.
5A06	Fishbourne	Epoch 2	HTL (NFPA) HTL (NPFA) HTL (NPFA)	Studies have been referred to	NAI Damages Tidal flood losses include 20 properties at a minimum total CVCost of £4.8M By 2025 0.26 By 2055 2.26 By 2105 5.27 Preferred Plan Damages	Linear defences to be maintained at a CVCost of £7.5M.	Maintenance of defences at a CVCost of £1.6M	Maintenance of linear defences at a CVCost of £2.9M.	Private owned and maintained defences; replacement/maintenance works not viable for public funding. MR works would be publicly funded. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Value of assets at risk likely to be underestimated. See Sensitivity tables for alternative scenarios.
					By 2025 0.00 By 2055 0.00 By 2105 0.42	PVBenefit of £0.2M and a PVCost of £5.3M.	PVBenefit of £1.1M and a PVCost of £5.8M.	PVBenefit of £2.4M and a PVCost of £6M.	The Plan for this policy unit is considered Economically Marginal in long-term.
5A07	Fishbourne to west of Cobnor Point	Epoch 1	HTL (NPFA) (localised MR East Chidham)	No Previous Studies have been referred to	NAI Damages. Tidal flood losses include 582 properties at a minimum total CVCost of £142.4M	Defences to be replaced and maintained at a CVCost of £48.4M. Includes the cost for offsetting loss of transitional freshwater habitats resulting from localised managed realignment at Chidham and Bosham	Maintenance of defences at a CVCost of £10.2M. No secondary defences required	Maintenance of defences at a CVCost of £18.8M. No secondary defences required	Private owned and maintained defences; replacement/maintenance works not viable for public funding. MR works would be publicly funded. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use

	Location	Final Policy	Calculation	of Damages & Benefits (CV) (£M)	Δssur	ned Defence Works & Costs	(CV)	Comment
	20041.011		Previous	Broad Scale Review	7.004.	Broad Scale Review	, (01)	
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	1
		Epoch 2 HTL (NPFA)		By 2025 11.78				and heritage features. Value of assets at risk likely to be underestimated. See
		Epoch 3 HTL (NPFA)		By 2055 64.95 By 2105 144.70				Sensitivity tables for alternative scenarios.
				Preferred Plan Damages				
				By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £8.4M and a PVCost of £34.3M.	PVBenefit of £36.6M and a PVCost of £37.4M.	PVBenefit of £78.5M and a PVCost of £39.2M.	The Plan for this policy unit is considered Economically Marginal , but private owners may consider works affordable.
5A08	west of Cobnor Point to Chidham Point		Studies have	NAI Damages. Tidal flood losses include 2 properties at a minimum total CVCost of £0.5M	Realignment of linear defences (secondary defences already constructed) for flood risk management and habitat creation, and subsequent	defences at a CVCost of	Maintenance of secondary defences at a CVCost of £3.2M	Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use
		Epoch 2 HTL (NPFA)		By 2025 0.34	maintenance of defences at a CVCost of £0.6M			and heritage features. Value of assets at risk likely to be underestimated.
		Epoch 3 HTL (NPFA)		By 2055 0.58 By 2105 0.96				Proposed MR on private land. Private owned and maintained defences. See Sensitivity tables for alternative
				Preferred Plan Damages				scenarios.
				By 2025 0.34 By 2055 0.38 By 2105 0.45	PVBenefit of £0.2M and a PVCost of £0.4M.	PVBenefit of £0.6M and a PVCost of £0.9M.	PVBenefit of £1.2M and a PVCost of £1.2M.	The Plan for this policy unit is considered Economically Marginal , but private owners may consider works affordable.
5A09	Chidham Point to Nutbourne			NAI Damages Tidal flood losses include 37 properties at a minimum total CVCost of £9.2M	Defences to be replaced and maintained at a CVCost of £4.2M		Maintenance of defences at a CVCost of £1.6M	Private owned and maintained defences; replacement/maintenance works not viable for public funding.
		Epoch 2 HTL (NPFA)	to	By 2025 0.13				Value of assets at risk likely to be underestimated. MR works would be
		Epoch 3 HTL (NPFA)		By 2055 3.92				publicly funded. See Sensitivity tables for alternative scenarios.
				By 2105 9.61 Preferred Plan Damages By 2025 0.00 By 2105 0.00 By 2105 0.00	PVBenefit of £0.09M and a PVCost of £3M.	PVBenefit of £1.4M and a PVCost of £3.3M.	PVBenefit of £3.6M and a PVCost of £3.5M.	The Plan for this policy unit is considered Economically Marginal , but private owners may consider works affordable.

	Location	Final Policy	Calculation	of Damages & Benefits (CV) (£M)	Assur	ned Defence Works & Costs	(CV)	Comment
	2004.0		Previous	Broad Scale Review		Broad Scale Review		
5A10	Nutbourne	Epoch 1 HTL (NPFA)	studies No Province	NAI Damanaa Tidal flaad la	Years 0 to 20 Defences to be replaced and	Years 20 to 50 Maintenance of defences at	Years 50 to 100 Maintenance of defences at a	Realignment of EA maintained defence.
5A10	ivutbourne	Epoch 2 HTL (NPFA)	Studies have been referred to	NAI Damages. Tidal flood losses include 46 properties at a minimum total CVCost of £10.8M; Erosion losses include 12ha of Grade 3 agricultural land with a CVCost £0.04M By 2025 0.80	maintained at a CVCost of	a CVCost of £1.7M	Maintenance of defences at a CVCost of £3.1M	Realignment of EA maintained defence. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Value of assets
		Epoch 3 HTL (NPFA)		By 2055 4.82				at risk likely to be underestimated. See Sensitivity tables for alternative scenarios.
				By 2105 10.85 Preferred Plan Damages				
				By 2025 0.00 By 2055 0.02 By 2105 0.05	PVBenefit of £0.6M and a PVCost of £5.6M.	PVBenefit of £2.6M and a PVCost of £6.1M.	PVBenefit of £5.7M and a PVCost of £6.5M.	The Plan for this policy unit is considered Economically Marginal .
5A11	Nutbourne to Prinsted	Epoch 1 HTL Epoch 2 HTL Epoch 3 HTL	No Previous Studies have been referred to	NAI Damages Tidal flood losses include 95 properties at a minimum total CVCost of £20.3M By 2025 9.51 By 2055 14.03	Linear defences to be replaced and maintained at a CVCost of £6.2M	Maintenance of defences at a CVCost of £1.3M	Maintenance of defences at a CVCost of £2.4M	Defences maintained by EA. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term
		Epocito TITE		By 2105 20.80 Preferred Plan Damages By 2025 0.00 By 2055 0.00	PVBenefit of £6.7M and a PVCost of £4.4M.	PVBenefit of £17.8M and a PVCost of £4.8M.	PVBenefit of £30.8M and a PVCost of £5.1M.	management of historic towns, land use and heritage features. The Plan for this policy unit is considered Economically Viable .
5A12	Prinsted to Stanbury Point	Epoch 1 HTL	No Previous Studies have been referred to	By 2105 0.00 NAI Damages. Minimal tidal flood losses to properties	Linear defences to be maintained at a CVCost of £6.3M.	Maintenance of defences at a CVCost of £1.3M	Maintenance of defences at a CVCost of £2M.	Defences owned and maintained by MOD and EA. Management of Thorney Island dependent on MOD. See Sensitivity tables for alternative scenarios.
		Epoch 2 HTL Epoch 3 HTL		By 2025 13.65 By 2055 13.98 By 2105 14.49 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.77	PVBenefit of £9.6M and a PVCost of £4.5M.	PVBenefit of £23.6M and a PVCost of £4.9M.	PVBenefit of £38.9M and a PVCost of £5.1M.	The Plan for this policy unit is considered Economically Viable (to be considered jointly with policies for 5A15)
5A13	Stanbury Point to Marker Point	Epoch 1 HTL Epoch 2 HTL Epoch 3 HTL	No Previous Studies have been referred to	NAI Damages Tidal flood losses include 4 properties at a minimum total CVCost of \$0.7M By 2025 1.28 By 2055 0.77 By 2105 0.77 Preferred Plan Damages		Maintenance of defences at a CVCost of £2.3M	Maintenance of defences at a CVCost of £4.2M	Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Defences owned and maintained by MOD. Management of Thorney Island dependent on MOD. MOD Assets and other intangibles not included in assessment
				By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £0.9M and a PVCost of £7.7M.	PVBenefit of £2M and a PVCost of £8.4M.	PVBenefit of £3.3M and a PVCost of £8.8M.	The Plan for this policy unit is considered Not Economically viable but owned and maintained by MOD.
5A14	Marker Point to Wickor Point	Epoch 1 HTL	No Previous Studies have been referred to	NAI Damages. Tidal flood losses include 189 properties at a minimum total CVCost of £47.7M		Maintenance of defences at a CVCost of £2.1M	Maintenance of defences at a CVCost of £3.8M	Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Defences owned
		Epoch 2 HTL		By 2025 40.58				and maintained by MOD and EA. Management of Thorney Island

	Location	Final Policy	Calculation	of Damages & Benefits (CV) (£M)	Assui	med Defence Works & Costs	s (CV)	Comment
		-	Previous	Broad Scale Review		Broad Scale Review		
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	
		Epoch 3 HTL		By 2055 43.43 By 2105 47.72 Preferred Plan Damages				dependent on MOD. See Sensitivity tables for alternative scenarios.
				By 2025 0.00	PVBenefit of £28.8M and a PVCost of £0.5M.	PVBenefit of £71M and a PVCost of £0.9M.	PVBenefit of £117M and a PVCost of £1.2M.	The Plan for this policy unit is considered Economically Viable
5A15	Wickor Point to Emsworth Yacht Haven	Epoch 2 HTL Epoch 3 HTL	No Previous Studies have been referred to		Linear defences to be replaced and maintained at a CVCost of £7.1M.			Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Defences owned and maintained by MOD and EA. Management of Thorney Island dependent on MOD. See Sensitivity tables for alternative scenarios.
				By 2025 0.00 By 2055 0.00 By 2105 0.77	PVBenefit of £9.7M and a PVCost of £5M.	PVBenefit of £23.6M and a PVCost of £5.5M.	PVCost of £5.7M.	The Plan for this policy unit is considered Economically Viable (to be considered jointly with policies for 5A12)
5A16	Emsworth Yacht Haven to Maisemore Gardens	Epoch 1 HTL Epoch 2 HTL Epoch 3 HTL	emerging Portchester to Emsworth Coastal Defence Study	NAI Damages Tidal flood losses include 358 properties at a minimum total CVCost of £88.2M; Erosion losses are minimal By 2025 46.60 By 2055 53.79 By 2105 64.82	Linear defences to be replaced and maintained at a CVCost of £14.8M			Refer to draft Portchester to Emsworth CDS for more detailed economic analysis of options. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term
				By 2025 0.00 By 2055 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £33M and a PVCost of £10.5M.	PVBenefit of £82.6M and a PVCost of £11.5M.	PVBenefit of £138.8M and a PVCost of £12M.	management of historic towns, land use The Plan for this policy unit is considered Economically Viable

	Location	Final Policy	Calculation	of Damages & Benefits (CV) (£M)	Assu	med Defence Works & Costs	(CV)	Comment
		-	Previous	Broad Scale Review		Broad Scale Review		
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	
5A17	Maisemore Gardens to Wade Lane	Epoch 1 HTL	emerging Portchester to Emsworth Coastal Defence Study	NAI Damages. Tidal flood losses are minimal	Linear defences to be replaced and maintained at a CVCost of £7.1M.	a CVCost of £1.5M	Maintenance of defences and secondary defences at Warblington at a CVCost of £2.8M.	Objective-led policies marginal. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use
		Epoch 2 HTL* Epoch 3 HTL*		By 2025 0.07 By 2055 0.10 By 2105 0.14 Preferred Plan Damages				and heritage features. See Sensitivity tables for alternative scenarios Private/LA owned and maintained defences; replacement/maintenance works not viable for, or likely to attract, public funding. MR works would be publicly funded. Refer to draft
				By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £0.05M and a PVCost of £5M.	PVBenefit of £0.1M and a PVCost of £5.5M.	PVBenefit of £0.2M and a PVCost of £5.8M.	The Plan for this policy unit is considered Not Economically viable , but private owners may consider works affordable.
5A18	Wade Lane to Southmoor Lane	Epoch 1 HTL	Emsworth	NAI Damages. Tidal flood losses include 151 properties at a minimum total CVCost of £40.6M	Linear defences to be replaced and maintained at a CVCost of £15.8M.	Maintenance of defences and secondary defences at Southmoor at a CVCost of £4M.	Maintenance of defences at a CVCost of £7.3M	Refer to draft Portchester to Emsworth CDS for more detailed economic analysis of options
		Epoch 2 HTL*	Coastal Defence Study	By 2025 39.00 By 2055 39.82 By 2105 41.05 Preferred Plan Damages		£4M.		
		Epoch 3 HTL*		By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £27.6M and a PVCost of £11.3M.	PVBenefit of £67.5M and a PVCost of £12.5M.	PVBenefit of £111.3M and a PVCost of £13.2M.	The Plan for this policy unit is considered Economically Viable
5A19	Southmoor Lane to Farlington Marshes (east)	Epoch 1 HTL Epoch 2 HTL Epoch 3 HTL	emerging Portchester to Emsworth Coastal Defence Study	By 2105 19.41	Linear defences to be replaced and maintained at a CVCost of £14.4M		Maintenance of defences at a CVCost of £5.6M	Refer to draft Portchester to Emsworth CDS for more detailed economic analysis of options
				Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £10.7M and a PVCost of £10.2M.	PVBenefit of £26.6M and a PVCost of £11.2M.	PVBenefit of £44.3M and a PVCost of £11.7M.	The Plan for this policy unit is considered Economically Viable

	Location	Final Policy		of Damages & Benefits (CV) (£M)	Assu	med Defence Works & Costs	s (CV)	Comment
			Previous	Broad Scale Review	Broad Scale Review			
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	
5A20	Farlington Marshes	Epoch 1 HTL	emerging Portchester to Emsworth Coastal Defence Study	NAI Damages. Tidal flood losses (north of the motorway) include 326 properties at a minimum total CVCost of £48.4M	Linear defences to be replaced and maintained at a CVCost of £17.7M.		Maintenance of defences at a CVCost of £1.2M.	Refer to draft Portchester to Emsworth CDS for more detailed economic analysis of options. The location and alignment of defences will need to be determined through more detailed and site specific studies. See Sensitivity
		Epoch 2 HTL* Epoch 3 HTL*		By 2025 46.70 By 2055 47.37 By 2105 48.39 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefits of £33.1M and a PVCost of £12.1M.		PVBenefits of £132.9M and a PVCost of £13.4M.	tables for alternative scenarios. The Plan for this policy unit is considered Economically viable. Environmental importance, amenity
				-,				value and other intangibles not include in assessment
5A21	Farlington Marshes (west) to Cador Drive	Epoch 1 HTL Epoch 2 HTL Epoch 3 HTL	emerging Portchester to Emsworth Coastal Defence Study	NAI Damages Tidal flood losses include 6381 properties at a minimum total CVCost of £1,066M By 2025 2,474.14 By 2055 1,910.88 By 2105 1,066.00	Linear defences to be replaced and maintained at a CVCost of £68M		Maintenance of defences at a CVCost of £26.4M	Refer to draft Portchester to Emsworth CDS for more detailed economic analysis of options
				Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £1,754.2M and a PVCost of £48.3M.	PVBenefit of £4,095M and a PVCost of £52.7M.	PVBenefit of £6,536M and a PVCost of £55.2M.	The Plan for this policy unit is considered Economically Viable

	Location Final Policy		Calculation	n of Damages & Benefits (CV) (£M)	Assur	ned Defence Works & Costs	(CV)	Comment
			Previous	Broad Scale Review		Broad Scale Review		
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	
5A22	Cador Drive to A27	Epoch 1 HTL Epoch 2 HTL* Epoch 3 HTL*	No Previous Studies have been referred to	NAI Damages Tidal flood losses are minimal By 2025 0.05 By 2055 0.20 By 2105 0.43 Preferred Plan Damages			Maintenance of defences at a CVCost of £6.9M	Proposed Portsmouth Harbour entrance to Hoeford Lake CDS with extension to Portchester will include contaminated land investigations todetermine longer-term management of site. Value of assets at risk likely to be underestimated in this assessment.
				By 2025 0.00 By 2055 0.01 By 2105 0.03	PVBenefit of £0.03M and a PVCost of £18M.	PVBenefit of £0.1M and a PVCost of £19.2M.	PVBenefit of £0.3M and a PVCost of £19.8M.	The Plan for this policy unit is considered Not Economically viable (but defences need to be maintained until contaminated land investigations determine longer-term management of defences andshoreline)
5A23	A27 to Fleetlands (MOD boundary)	Epoch 1 HTL Epoch 2 HTL Epoch 3 HTL	No Previous Studies have been referred to	NAI Damages Tidal flood losses include 419 properties at a minimum total CVCost of £109.6M; Erosion losses include 8 properties with a CVCost of £1.5M By 2025 0.00 By 2055 44.98 By 2105 110.13 Preferred Plan Damages	Linear defences to be replaced and maintained at a CVCost of £16.4M		Maintenance of defences at a CVCost of £6.4M	Value of assets at risk likely to be underestimated in this assessment. Proposed Portsmouth Harbour entrance to Hoeford Lake CDS with extension to Portchester will include contaminated land investigations todetermine longer-term management of site.
				By 2025 0.00 By 2055 0.00 By 2105 0.00		PVBenefit of £13.8M and a PVCost of £12.7M.	PVBenefit of £38M and a PVCost of £13.3M.	The Plan for this policy unit is considered Economically Marginal
5A24	Fleetlands (MOD Boundary) to Quay Lane (MOD boundary)	Epoch 1 HTL	No Previous Studies have been referred to	NAI Damages Type and value of MOD assets potentially at risk have not been available			Maintenance of defences at a CVCost of £11.7M	Defences owned and maintained by MOD. Value of assets at risk likely to be underestimated in this assessment. Proposed Portsmouth Harbour entrance to Hoeford Lake CDS with
		Epoch 2 HTL Epoch 3 HTL		By 2025 0.00 By 2055 0.00 By 2105 0.00 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	No PVBenefits calculated and a PVCost of £21.2M.		No PVBenefits calculated and a PVCost of £24.3M.	extension to Portchester will include contaminated land investigations todetermine longer-term management of site. The Plan for this policy unit is considered Not Economically viable but owned and maintained by MOD.

	Location	Final Policy	Calculation	of Damages & Benefits (CV) (£M)	Assur	ned Defence Works & Costs	(CV)	Comment
		•	Previous	Broad Scale Review		Broad Scale Review]
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	
5A25	Quay Lane (MOD boundary) to Portsmouth Harbour entrance (west)		No Previous Studies have been referred to	NAI Damages Tidal flood losses include 3312 properties at a minimum total CVCost of £490M; Erosion losses include 34 properties with a CVCost of £4.9M	Linear defences to be replaced and maintained at a CVCost of £69M	Maintenance of defences at a CVCost of £14.6M	Maintenance of defences at a CVCost of £26.8M	Proposed Portsmouth Harbour entrance to Hoeford Lake CDS with extension to Portchester will include contaminated land investigations todetermine longer-term management of site.
		Epoch 2 HTL Epoch 3 HTL		By 2025 130.91 By 2055 274.62 By 2105 495.13 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £92.8M and a PVCost of £48.9M.	PVBenefit of £270M and a PVCost of £53.4M.	PVBenefit of £494M and a PVCost of £56M.	The Plan for this policy unit is considered Economically Viable
5B01	Portsmouth Harbour entrance	1	No Previous	NAI Damages Tidal flood losses are		Groyne renewal and	Groyne replacement and	Valuation of commerical or MOD assets
	to Gilkicker Point	Epoch 2 HTL	Studies have been referred to	minimal By 2025 0.00 By 2055 0.12	be replaced and maintained at a CVCost of £2.1M	maintenance of defences at a CVCost of £36.2M	maintenance of defences at a CVCost of £6.2M	not available, and therefore not included in assessment. Value of assets at risk likely to be
				By 2105 0.29 Preferred Plan Damages By 2025 0.00	No PVBenefits calculated and a	PVBenefit of £0.04M and a	PVBenefit of £0.1M and a	underestimated in this assessment. Frontage would benefit from beach The Plan for this policy unit is
				By 2055 0.00 By 2105 0.00	PVCost of £1.5M.	PVCost of £12.6M.	PVCost of £13.2M.	considered Not Economically viable but majority of assets are owned and maintained by MOD.
5B02	Gilkicker Point to Meon Road, Titchfield Haven		No Previous Studies have been referred to	NAI Damages Tidal flood losses include 410 properties at a minimum total CVCost of £61.3M. Erosion losses include 0.5ha of Grade 4 agricultural land, and 12 properties with a CVCost of £1.9M By 2025 16.30 By 2055 33.73 By 2105 61.29	Linear defences and groynes to be replaced and maintained at a CVCost of £28.9M.	Groyne replacement, beach recharge and maintenance of defences at a CVCost of £69.3M. Beach recharge will benefit frontages between site and harbour entrance	Groyne replacement and maintenance of defences and secondary defences at a CVCost of £19.9M	Value of assets at risk likely to be underestimated in this assessment. Frontage would benefit from beach recharge at Lee-on-the-Solent; localised HTL to defend important highway link; possible raising of inland structures required to limit overtopping but towards end of epoch 3 and dependent on conditions. Further detailed study required for frontage
				Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £11.5M and a PVCost of £20.5M.	PVCost of £41.8M.	PVBenefit of £61.2M and a PVCost of £43.6M.	between Portsmouth Harbour entrance The Plan for this policy unit is considered Economically Marginal
5B03	Meon Road, Titchfield Haven to Hook Park	infra- structure)	No Previous Studies have been referred to	NAI Damages Tidal flood losses include 97 properties at a minimum total CVCost of £19.1M; Erosion losses include 13ha of Grade 2, 3 and 4 agricultural land with a CVCost £0.09M and 7 properties with a CVCost of £1.5M		No defence works identified	No defence works identified	Solent Breezes, chalet homes. Value of assets at risk likely to be underestimated in this assessment; Caravan parks not included in Defra economic criteria. Further detailed study required for frontage between Portsmouth Harbour entrance and River Hamble
		Epoch 2 NAI (HTL for cross-Solent infra- structure) Epoch 3 NAI (HTL for cross-Solent infra- structure)		By 2025 12.21 By 2055 15.46 By 2105 22.06 Preferred Plan Damages By 2025 0.55 By 2055 0.58 By 2105 1.38				The Plan for this policy unit is considered Economically Viable

	Location	Final Policy	Calculation	n of Damages & Benefits (CV) (£M)	Δεςιι	med Defence Works & Costs	(CV)	Comment
	Location	i iliai i olioy	Previous	Broad Scale Review	Assu	Broad Scale Review	,(01)	Comment
			studies	2.000 000.0 1.01.01.	Years 0 to 20	Years 20 to 50	Years 50 to 100	
5C01	Hook Park to Warsash North	Epoch 1 NAI Epoch 2 MR Epoch 3 HTL	draft Itchen, Woolston, Netley and Itchen Coastal Defence Strategy	NAI Damages Tidal flood losses include 16 properties at a minimum total CVCost of £1.9M By 2025 1.55 By 2055 2.24 By 2105 1.90	No defence works identified.	Linear defences to be realigned (for flood risk management) and maintained at a CVCost of £5M.	Groyne replacement and maintenance of defences and realigned seawall at a CVCost of £1.1M	Refer to Itchen, Woolston, Netley and Itchen CDS for more detailed economic analysis of options. Value of assets at risk likely to be underestimated in this assessment.
				Preferred Plan Damages By 2025 1.18 By 2055 1.26 By 2105 0.00		PVBenefit of £2.9M and a PVCost of £1.5M.	PVBenefit of £4.9M and a PVCost of £1.6M.	The Plan for this policy unit is considered Economically Viable
5C02	Warsash North to Swanwick Shore Road	Epoch 2 NAI Epoch 3 NAI	draft Itchen, Woolston, Netley and Itchen Coastal Defence Strategy	NAI Damages Tidal flood losses include 6 properties at a minimum total CVCost of £0.8M; Erosion losses include 2.5ha of Grade 4 agricultural land with a CVCost £0.01M By 2025 2.12 By 2055 1.59 By 2105 0.92 Preferred Plan Damages By 2025 0.00 By 2055 0.00	No defence works identified.	No defence works identified	No defence works identified	Refer to Itchen, Woolston, Netley and Itchen CDS for more detailed economic analysis of options. See Sensitivity tables for alternative scenarios. Private owned and maintained defences The Plan for this policy unit is considered Economically Viable
5C03	Swanwick Shore Road to Bursledon Bridge	Epoch 1 HTL	draft Itchen, Woolston, Netley and Itchen Coastal Defence Strategy	By 2105 0.12 NAI Damages Tidal flood losses include 41 properties at a minimum total CVCost of £7.4M; Erosion losses include 0.8ha of Grade 3 and 4 agricultural land with a CVCost £0.05M	Linear defences to be replaced and maintained at a CVCost of £3.2M	Maintenance of defences at a CVCost of £0.7M.	No defence works identified.	Refer to Itchen, Woolston, Netley and Itchen CDS for more detailed economic analysis of options. Site to be developed and will therefore include flood risk management measures. See Sensitivity tables for alternative scenarios. Private owned and maintained defences
		Epoch 2 HTL Epoch 3 NAI		By 2025 4.34 By 2055 5.57 By 2105 7.47 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.05	PVBenefit of £3M and a PVCost of £2.3M.	PVBenefit of £7.8M and a PVCost of £2.5M.	PVBenefit of £13.3M and a PVCost of £2.5M.	The Plan for this policy unit is considered Economically Viable
5C04	Bursledon Bridge to Curbridge to Botley to Satchell Marshes	Epoch 2 NAI Epoch 3 NAI	draft Itchen, Woolston, Netley and Itchen Coastal Defence Strategy	NAI Damages Tidal flood losses include 54 properties at a minimum total CVCost of £9.1M; Erosion losses include 20ha of Grade 1, 2, 3, 4 and 5 agricultural land with a CVCost £0.01M and 1 property By 2025 2.09 By 2055 3.62 By 2105 6.64 Preferred Plan Damages By 2025 0.10 By 2055 0.11 By 2105 0.84	No defence works identified.	No defence works identified	No defence works identified	Refer to Itchen, Woolston, Netley and Itchen CDS for more detailed economic analysis of options. See Sensitivity tables for alternative scenarios. Majority of shoreline is undefended. Individual properties mainly located south of Bursledon Bridge. The Plan for this policy unit is considered Economically Viable

	Location	Final Policy	Calculation	n of Damages & Benefits (CV) (£M)	Assu	med Defence Works & Costs	s (CV)	Comment
			Previous	Broad Scale Review		Broad Scale Review		
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	
5C05	Satchell Marshes to Hamble Common Point	Epoch 1 NAI* (HTL for Rope Walk and the Quay)	draft Itchen, Woolston, Netley and Itchen Coastal	NAI Damages Tidal flood losses include 21 properties at a minimum total CVCost of £1.6M By 2025 2.38	For the majority of the frontage no works have been identified. For the Hamble village section linear defences to be replaced	identified. For the Hamble	For the majority of the frontage no works have been identified. For the Hamble village section linear defences	Refer to Itchen, Woolston, Netley and Itchen CDS for more detailed economic analysis of options. Value of assets at risk likely to be underestimated in this
		Epoch 2 NAI* (HTL	Defence Strategy	By 2055 2.11 By 2105 1.65 Preferred Plan Damages	and maintained at a CVCost of £4.6M		to be maintained at a CVCost of £1.6M	assessment. See Sensitivity tables for alternative scenarios.
		for Rope Walk and the Quay)						
		Epoch 3 NAI* (HTL for Rope Walk and the Quay)		By 2025 0.04 By 2055 0.04	PVBenefit of £1.7M and a PVCost of £3.3M.		PVBenefit of £6.5M and a PVCost of £3.7M.	The Plan for this policy unit is considered Economically Marginal , but private owners may consider works affordable.
5C06	Hamble Common Point to Hamble Oil Terminal	Epoch 1 NAI Epoch 2 NAI Epoch 3 NAI	draft Itchen, Woolston, Netley and Itchen Coastal Defence Strategy	By 2105 0.00 NAI Damages Tidal flood losses include 32 properties at a minimum total CVCost of £4.8M By 2025 6.69 By 2055 6.24 By 2105 4.87	Maintenance of defences discontinued	Maintenance of defences discontinued	Maintenance of defences discontinued	Refer to Itchen, Woolston, Netley and Itchen CDS for more detailed economic analysis of options.
				Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00				The Plan for this policy unit is considered Economically Viable
5C07	Hamble Oil Terminal to Ensign Industrial Park	Epoch 1 HTL	draft Itchen, Woolston, Netley and Itchen Coastal Defence	NAI Damages Tidal flood losses include 11 properties at a minimum total CVCost of £1.7M	Linear defences to be replaced and maintained at a CVCost of £2.9M	Maintenance of defences at a CVCost of £0.6M	Maintenance of defences discontinued	Refer to Itchen, Woolston, Netley and Itchen CDS for more detailed economic analysis of options. See Sensitivity tables for alternative scenarios. Private owned and maintained defences.
		Epoch 2 HTL Epoch 3 NAI	Strategy	By 2025 0.00 By 2055 0.70 By 2105 1.76 Preferred Plan Damages By 2025 0.00 By 2055 0.00			PVBenefit of £0.6M and a PVCost of £2.3M.	Valuation of the Oil Terminal and supporting infrastructure not included, but assumed to be significant. The Plan for this policy unit is considered Not Economically viable

	Location	Final Policy	Calculation	n of Damages & Benefits (CV) (£M)	Assu	med Defence Works & Costs	s (CV)	Comment
		,	Previous	Broad Scale Review		Broad Scale Review	- (/	
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	1
5C08	Ensign Industrial Park to Cliff House	Epoch 1 NAI Epoch 2 NAI Epoch 3 NAI	draft Itchen, Woolston, Netley and Itchen Coastal Defence Strategy	NAI Damages Tidal flood losses are minimal By 2025 0.00 By 2055 0.00 By 2105 0.00 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2055 0.00 By 2055 0.00 By 2105 0.00	No defence works identified.	No defence works identified	No defence works identified	Refer to Itchen, Woolston, Netley and Itchen CDS for more detailed economic analysis of options. The Plan for this policy unit is considered Economically Viable , but valuation of the Oil Terminal and supporting infrastructure not included
5C09	Cliff House to Netley Castle	Epoch 1 HTL Epoch 2 HTL* Epoch 3 NAI (HTL fo Netley Village)	draft Itchen, Woolston, Netley and Itchen Coastal Defence Strategy	NAI Damages Tidal flood losses include 38 properties at a minimum total CVCost of £8.1M By 2025 1.93 By 2055 4.43 By 2105 8.17 Preferred Plan Damages	Linear defences to be replaced and maintained and beach recharge at a CVCost of £16.7M	Maintenance of defences at a CVCost of £2.1M.	Maintenance of defences at a CVCost of £10.6M.	Refer to Itchen, Woolston, Netley and Itchen CDS for more detailed economic analysis of options. Value of assets at risk likely to be underestimated, and amenity value and other intangibles not included. Residential properties include groups of flats, which are not identified using the National Property Dataset. Therefore the Value of properties is an underestimate. The CDS has identified 196 properties compared to the 38 from NPD. See Sensitivity tables for alternative scenarios.
				By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £1.4M and a PVCost of £11.9M.	PVBenefit of £4.1M and a PVCost of £12.5M.	PVBenefit of £7.6M and a PVCost of £13.5M.	The Plan for this policy unit is considered Not Economically viable . CDS determined this policy to be economically viable.
5C10	Point	Epoch 1 HTL Epoch 2 HTL Epoch 3 HTL	draft Itchen, Woolston, Netley and Itchen Coastal Defence Strategy	NAI Damages Tidal flood losses include 49 properties at a minimum total CVCost of E7.85M By 2025 30.60 By 2055 21.50 By 2105 7.85 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00 By 2105 0.00	No defence works identified.	No defence works identified	No defence works identified	Refer to Itchen, Woolston, Netley and Itchen CDS for more detailed economic analysis of options. The Plan for this policy unit is considered Economically Viable

Location Final Policy		Calculation	n of Damages & Benefits (CV) (£M)	Assu	med Defence Works & Costs	(CV)	Comment	
	2004		Previous Broad Scale Review		7.000	Broad Scale Review	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	1
5C11	Weston Point to Woodmill Lane		draft Itchen, Woolston, Netley and Itchen Coastal Defence Strategy	NAI Damages Tidal flood losses include 882 properties at a minimum total CVCost of £149M By 2025 52.84 By 2055 91.33	Linear defences to be replaced and maintained at a CVCost of £41.7M		Maintenance of defences discontinued	A significant proportion of defences are privately owed or maintained. See Sensitivity tables for alternative scenarios.
		,		By 2105 149.08 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £37.5M and a PVCost of £29.6M.	PVBenefit of £103M and a PVCost of £32.3M.	PVBenefit of £182M and a PVCost of £32.3M.	The Plan for this policy unit is considered Economically Viable
5C12	Woodmill Lane to Redbridge	Epoch 1 HTL	No Previous Studies have been referred	NAI Damages Tidal flood losses include 5555 properties at a minimum total CVCost of £5,031M	Linear defences to be replaced and maintained at a CVCost of £107M		Maintenance of defences at a CVCost of £41.6M.	A significant proportion of defences are privately owed or maintained
		Epoch 2 HTL Epoch 3 HTL	to	By 2025 432.48 By 2055 2,271.69 By 2105 5,030.51 Preferred Plan Damages By 2025 0.00	PVBenefit of £307M and a	DVPanefit of £1 210 7M and	PVBenefit of £2,78735M and a	The Plan for this policy unit is
				By 2055 0.00 By 2105 0.00	PVCost of £75.8M.	a PVCost of £82.8M.	PVCost of £86.7M.	considered Economically Viable
5C13	Lower Test Valley	Epoch 1 NAI Epoch 2 NAI	No Previous Studies have	NAI Damages Tidal flood losses to agricultural land in 50-100years By 2025 0.00	No defence works identified.	No defence works identified	No defence works identified	Privately owned land, no existing defences
		Epoch 3 NAI	been referred to	By 2055 0.00 By 2105 1.05 Preferred Plan Damages By 2055 0.00 By 2055 0.00 By 2105 1.05				The Plan for this policy unit is considered Economically Viable
5C14	Redbridge to Calshot Spit	Epoch 1 HTL	No Previous Studies have been referred to	NAI Damages Tidal flood losses include 1446 properties at a minimum total CVCost of £355.2M; Erosion losses include 5ha of Grade 4 agricultural land with a CVCost £0.03M	Maintenance of defences at a CVCost of £11.7M	Linear defences to be replaced and maintained at a CVCost of £134.6M	Maintenance of defences at a CVCost of £34.5M.	See Sensitivity tables for alternative scenarios. The majority of defences on this frontage are privately owned or maintained by industrial or commercial parties. Significant value in the industrial and commercial assets and
		Epoch 2 HTL Epoch 3 HTL		By 2025 192.06 By 2055 257.32 By 2105 355.76 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £136.2M and a PVCost of £8.3M.	PVBenefit of £351.3M and a PVCost of £49.6M.	PVBenefit of £599.9M and a PVCost of £52.9M.	industrial and commercial assets and supporting infrastructure that are not available or included in this assessment. The Plan for this policy unit is considered Economically Viable

	Location	Final Policy	Calculation	n of Damages & Benefits (CV) (£M)	Assu	med Defence Works & Costs	s (CV)	Comment
			Previous	Broad Scale Review		Broad Scale Review	- X = -/	
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	1
5C15	Calshot Spit	Epoch 1 HTL Epoch 2 HTL Epoch 3 NAI	No Previous Studies have been referred to	NAI Damages CVCost of the facilities and amenities at risk from tidal flooding have not been available By 2025 0.88 By 2055 0.95 By 2105 0.00		Linear defences to be replaced and maintained at a CVCost of £4.5M	Maintenance of defences discontinued due to predicted flood risk.	See Sensitivity tables for alternative scenarios. Value of assets at risk likely to be underestimated but amenity and other intangibles not included in assessment
				Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £0.6M and a PVCost of £1.1M.	PVBenefit of £1.5M and a PVCost of £2.5M.	PVBenefit of £2.5M and a PVCost of £2.5M.	The Plan for this policy unit is considered Economically Marginal
5C16	Calshot Spit to Inchmery	Epoch 1 NAI Epoch 2 NAI Epoch 3 NAI	No Previous Studies have been referred to	NAI Damages. Erosion losses include 12ha of Grade 2, 3 and 5 agricultural land with a CVCost £0.8M and 12 properties with a CVCost of £2.1M By 2025 0.65 By 2055 0.72 By 2105 3.14 Preferred Plan Damages By 2025 0.39 By 2055 0.46 By 2105 0.97	No defence works identified.	No defence works identified.	No defence works identified.	See Sensitivity tables for alternative scenarios. Private owned and maintained defences. Value of assets at risk likely to be underestimated. The Plan for this policy unit is considered Economically Viable
5C17	Inchmery to Salternshill	Epoch 1 NAI Epoch 2 NAI Epoch 3 NAI	No Previous Studies have been referred to	NAI Damages Tidal flood losses include 40 properties at a minimum total CVCost of £9.8M; Erosion losses include 5ha of Grade 2 and 4 agricultural land with a CVCost £0.03M By 2025 0.26 By 2055 4.08 By 2105 10.13 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.33	No defence works identified.	No defence works identified.	No defence works identified.	Private owned and maintained defences. Value of assets at risk likely to be underestimated. The Plan for this policy unit is considered Economically Viable
5C18	Salternshill to Park Shore	Epoch 2 HTL (NPFA) Epoch 3 HTL (NPFA)	Studies have been referred to	NAI Damages. Tidal flood losses include 17 properties at a minimum total CVCost of £4.1M; Erosion losses include 3ha of Grade 2 and 4 agricultural land with a CVCost £0.01M By 2025 4.40 By 2055 4.60 By 2105 5.01		Defences to be maintained at a CVCost of £10.2M	Defences to be maintained at a CVCost of £16M	See Sensitivity tables for alternative scenarios. Private owned and maintained defences. Value of assets at risk likely to be underestimated in this assessment.
				Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.85	PVBenefit of £3.1M and a PVCost of £20.1M.	PVBenefit of £7.6M and a PVCost of £23.3M.	PVBenefit of £12.6M and a PVCost of £24.7M.	The Plan for this policy unit is considered Economically Marginal , as value of assets at risk likely to be underestimated in this assessment.

	Location	Final Policy	Calculation	n of Damages & Benefits (CV) (£M)	Assui	med Defence Works & Costs	(CV)	Comment
		-	Previous	Broad Scale Review		Broad Scale Review		
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	
5C19	Park Shore to Sowley	Epoch 1 HTL	No Previous Studies have been referred to	NAI Damages Tidal flood losses include 17 properties at a minimum total CVCost of £4.4M; Erosion losses include 1ha of Grade 2 agricultural	Linear defences and groynes to be replaced and maintained at a CVCost of £12M		Maintenance of defences at a CVCost of £7.4M.	See Sensitivity tables for alternative scenarios. Private owned and maintained defences. Value of assets at risk likely to be underestimated in
		Epoch 2 HTL Epoch 3 HTL*		By 2025 2.47 By 2055 3.38 By 2105 4.69 Preferred Plan Damages	DVD-refit of 04 7M and a	DVD-s-ft of 04 FM and a	DVD-reft of 07 0M and a	this assessment.
				By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £1.7M and a PVCost of £8.5M.	PVBenefit of £4.5M and a PVCost of £9.7M.	PVBenefit of £7.8M and a PVCost of £10.4M.	The Plan for this policy unit is considered Not Economically Viable but private owners may consider works affordable.
5C20	Sowley to Elmer's Court	Epoch 1 NAI	No Previous Studies have been referred to	NAI Damages Tidal flood losses include 6 properties at a minimum total CVCost of £2.1M; Erosion losses include 7ha of Grade 3 and 4 agricultural land with a CVCost £0.05M		No defence works identified.	No defence works identified.	See Sensitivity tables for alternative scenarios. Private owned and maintained defences. Value of assets at risk likely to be underestimated in this assessment.
		Epoch 2 NAI Epoch 3 NAI		By 2025 1.52 By 2055 1.88 By 2105 2.13 Preferred Plan Damages By 2025 0.74				The Plan for this policy unit is
				By 2055 0.78 By 2105 0.57				considered Economically Viable
5C21	Elmer's Court to Lymington Yacht Haven		ntial Studies have been referred to lbeds)	NAI Damages. Tidal flood losses include 427 properties at a minimum total CVCost of £104M	Maintenance of defences and secondary defences at a CVCost of £1.4M. Includes the CVCost of offsetting loss of transitional freshwater habitats	replaced and maintained at a		Significant proportion of defences on this frontage are privately owned or maintained by industrial or commercial parties. Value of assets at risk likely to be underestimated in this assessment.
		Epoch 2 HTL Epoch 3 HTL		By 2025 20.31 By 2055 53.75 By 2105 104.05 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	resulting from RTE works PVBenefit of £14.4M and a PVCost of £1M.	PVBenefit of £45.3M and a PVCost of £5.9M.	PVBenefit of £86M and a PVCost of £6.3M.	The Plan for this policy unit is considered Economically Viable

	Location Final Policy Calculation of Damages & Benefits (CV) (Assu	med Defence Works & Costs	s (CV)	Comment
			Previous	Broad Scale Review		Broad Scale Review		
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	
5C22	Lymington Yacht Haven to Saltgrass Lane	Epoch 1 HTL	No Previous Studies have been referred to	total CVCost of £86.8M By 2025 29.84 By 2055 52.85	Linear defences and groynes to be replaced and maintained at a CVCost of £5.3M	Maintenance of defences and secondary defences at a CVCost of £91.5M	Maintenance of defences at a CVCost of £23.5M.	Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included
		Epoch 2 HTL Epoch 3 HTL		By 2105 89.31 Preferred Plan Damages By 2025 1.25 By 2055 0.00 By 2105 0.00	PVBenefit of £21.1M and a PVCost of £3.8M.		PVBenefit of £104.3M and a PVCost of £34.1M.	The Plan for this policy unit is considered Economically Viable
5F01	Hurst Spit	Epoch 2 HTL	No Previous Studies have been referred to	considerable (combination of losses in adjacent Policy units) By 2025 16.71	Beach recharge at end of epoch at a CVCost of £12.2M.		Beach recharge and maintenance through beach recycling at a CVCost of £38.9M.	Value of assets at risk are underestimated, as assets potentially at risk throughout West Solent and Lee- on-the-Solent; amenity values and other intangibles not included
		Epoch 3 HTL		By 2055 23.46 By 2105 33.27 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £11.8M and a PVCost of £8.7M.		PVBenefit of £53M and a PVCost of £13.2M.	The Plan for this policy unit is considered Economically Viable
5API01	Langstone Harbour entrance (west) (harbour) to Portsmouth Harbour entrance (east)	Epoch 1 HTL	No Previous Studies have been referred to	NAI Damages Tidal flood losses include 13245 properties at a minimum total CVCost of £2,028M; Erosion losses include 1 property			Maintenance of defences at a CVCost of £54.5M.	Refer to Portsea Island CDS for more detailed economic analysis of options.
		Epoch 2 HTL Epoch 3 HTL		By 2025 965.36 By 2055 1,391.42 By 2105 2,028.15 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £684.4M and a PVCost of £99.4M.		PVBenefit of £3,098.3M and a PVCost of £113.7M.	The Plan for this policy unit is considered Economically Viable

Location		Final Policy	Calculation	of Damages & Benefits (CV) (£M)	Assu	med Defence Works & Costs	(CV)	Comment	
		•	Previous	Broad Scale Review		Broad Scale Review			
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100		
5API02	Langstone Harbour entrance (west) (open coast) to Portsmouth Harbour entrance (east)		No Previous Studies have been referred to	NAI Damages Tidal flood losses include 9730 properties at a minimum total CVCost of £1,354M; Erosion losses include 1 property	Linear defences and groynes to be replaced and maintained at a CVCost of £38.9M	to be replaced and maintained, and beach recharge at a CVCost of	Maintenance of defences at a CVCost of £16.6M.	Refer to Portsea Island CDS for more detailed economic analysis of options.	
		Epoch 2 HTL Epoch 3 HTL		By 2025 754.94 By 2055 994.75 By 2105 1,353.80 Preferred Pian Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £535.2M and a PVCost of £27.6M.	a PVCost of £34.4M.	PVBenefit of £2,343.8M and a PVCost of £35.9M.	considered Economically Viable	
5AHI01	Northney Farm		No Previous Studies have been referred to	NAI Damages Tidal flood losses include 97 properties at a minimum total CVCost of £14.9M and By 2025 9.92 By 2055 11.97 By 2105 15.36 Preferred Plan Damages	Linear defences to be replaced and maintained at a CVCost of £13.7M		Maintenance of defences at a CVCost of £5.4M.	Proportion of defences on this frontage are privately owned or maintained. Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included. Future proposed studies for Chichester Harbour e.g. private landowner	
				By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £7M and a PVCost of £9.7M.	PVCost of £10.6M.	PVBenefit of £29.9M and a PVCost of £11.1M.	The Plan for this policy unit is considered Economically Marginal but private owners may consider works	
5AHI02	Northney Farm		No Previous Studies have been referred to	NAI Damages. Tidal flood losses include 85 properties at a minimum total CVCost of £15.9M	Maintenance of defences at a CVCost of £1.1M.		Maintenance of defences at a CVCost of £25.6M.	See Sensitivity tables for privately funded replacement and maintenance CVCosts. Private owned and maintained defences. Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included. Future proposed studies for Chichester Harbour e.g. private	
		Epoch 2 HTL (NPFA) Epoch 3 MR		By 2025 1.35 By 2055 6.86 By 2105 15.90 Preferred Plan Damages By 2025 0.00	PVBenefit of £1M and a	PVBenefit of £4M and a	PVBenefit of £8.6M and a	landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. The Plan for this policy unit is	
				By 2055 0.00 By 2105 0.78	PVCost of £0.8M.	PVCost of £1.3M.	PVCost of £3.7M.	considered Economically Marginal but private owners may consider works affordable.	

	Location	Final Policy	Calculation	n of Damages & Benefits (CV) (£M)	Assur	med Defence Works & Costs	(CV)	Comment
			Previous	Broad Scale Review		Broad Scale Review		
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100	
5AHI03	Northney Farm to Mengham	Epoch 1 HTL (NPFA)	No Previous Studies have been referred to	NAI Damages. Tidal flood losses include 189 properties at a minimum total CVCost of £36.4M			Realignment of existing defences and construction of secondary defences and maintained at a CVCost of £17.3M.	See Sensitivity tables for alternative scenarios. Private owned and maintained defences. Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included. Future proposed studies
		Epoch 2 HTL (NPFA)		By 2025 8.46				for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for
		Epoch 3 HTL (NPFA)		By 2055 19.07				the longer-term management of historic towns, land use and heritage features.
				By 2105 36.37 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 1.39	PVBenefit of £6M and a PVCost of £4.1M.	PVBenefit of £17.8M and a PVCost of £7M.	PVBenefit of £33.1M and a PVCost of £8.2M.	The Plan for this policy unit is considered Economically Marginal but private owners may consider works affordable.
5AHI04	Mengham to Chichester Harbour entrance (west)		No Previous Studies have been referred	NAI Damages Tidal flood losses include 990 properties at a minimum total CVCost of £182.2M	Linear defences to be replaced and maintained at a CVCost of £25.2M		Maintenance of defences at a CVCost of £9.8M.	Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included.
		Epoch 2 HTL Epoch 3 HTL	to	By 2025 93.83 By 2055 129.20 By 2105 182.26 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £66.5M and a PVCost of £17.9M.	PVBenefit of £172.7M and a PVCost of £19.5M.	PVBenefit of £296M and a PVCost of £20.4M.	The Plan for this policy unit is considered Economically Viable
5AHI05	Chichester Harbour entrance (west) to Langstone Harbour entrance (east)		No Previous Studies have been referred to	NAI Damages Tidal flood losses include 850 properties at a minimum total CVCost of £152.8M; Erosion losses include 112 properties with a CVCost of £19.7M	and maintained at a CVCost of	and beach recharge at a	Maintenance of defences and beach recycling at a CVCost of £38.2M.	Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included.
		Epoch 2 HTL Epoch 3 HTL		By 2025 94.66 By 2055 135.05 By 2105 172.57 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £67.1M and a PVCost of £28.9M.	PVBenefit of £176M and a PVCost of £49.8M.	PVBenefit of £300.5M and a PVCost of £53.4M.	The Plan for this policy unit is considered Economically Viable

	Location	Final Policy		ion of Damages & Benefits (CV) (£M)	Assu	med Defence Works & Cost	s (CV)	Comment	
			Previou	Broad Scale Review		Broad Scale Review			
			studies		Years 0 to 20	Years 20 to 50	Years 50 to 100		
	Langstone Harbour entrance (east) to North Shore Road, New Town	Epoch 1 HT Epoch 2 HT Epoch 3 HT	Studies hav been referre to	include 128 properties at a minimum	Linear defences to be replaced and maintained at a CVCost of £14.7M	Maintenance of defences and beach recharge at a CVCost of £3.1M.	Maintenance of defences and beach recycling at a CVCost of £5.7M.	See Sensitivity tables for alternative scenarios. Private owned and maintained defences. Amenity values and other intangibles not included.	
				Preferred Plan Damages By 2025 0.47 By 2055 0.59 By 2105 0.00	PVBenefit of £9M and a PVCost of £10.4M.	PVBenefit of £23.4M and a PVCost of £11.4M.	PVBenefit of £40M and a PVCost of £11.9M.	The Plan for this policy unit is considered Economically Marginal but amenity and other intangibles not included in assessment	
5AHI07	Town to West Lane (Stoke)	Epoch 2 NA Nev Epoch 3 NA	wtown)	include 88 properties at a minimum	Linear defences to be replaced and maintained at a CVCost of £14.5M		Maintenance of defences and beach recycling at a CVCost of £5.6M.	See Sensitivity tables for alternative scenarios. Private owned and maintained defences. Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included.	
				Preferred Plan Damages By 2025 5.83 By 2055 11.09 By 2105 16.61		PVBenefit of £4.2M and a PVCost of £10.2M.	PVBenefit of £11.5M and a PVCost of £10.6M.	The Plan for this policy unit is considered Economically Marginal but amenity and other intangibles not included in assessment	
5AHI08	West Lane (Stoke) to Langstone Bridge	Epoch 1 HT	L* No Previous Studies hav been referre to	include 236 properties at a minimum	Linear defences to be replaced and maintained at a CVCost of £15.4M		Maintenance of defences at a CVCost of £6M.	Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included.	
		Epoch 2 HT Epoch 3 HT		By 2025 17.32 By 2055 27.96 By 2105 44.47 Preferred Plan Damages By 2025 0.00 By 2055 0.00 By 2105 0.00	PVBenefit of £12.3M and a PVCost of £10.9M.	PVBenefit of £33.1M and a PVCost of £11.9M.	PVBenefit of £58.2M and a PVCost of £12.5M.	The Plan for this policy unit is considered Economically Viable	

H5 SENSITIVITY TESTING

For the proposed policies in the draft SMP, a sensitivity assessment was undertaken for selected locations, to indicate the economic viability of alternative defence policies to the objective-led policy scenario. This focused on the proposed objective-led policies with the localised potential MR or environmental enhancement through regulated tidal exchange (RTE), or localised HTL policy caveats.

For the assessment on draft policies, frontages that were identified with localised HTL, indicative estimates of primary defences and costs associated with inter-tidal habitat creation, for offsetting coastal squeeze, were included. Where necessary, setback or secondary defence requirements for localised MR (as presented in the Solent Dynamic Coast Project) and compensation costs associated with creating coastal grazing marsh resulting from the localised MR, were included within the assessment.

Within the Sensitivity Testing appraisals, a comparison between the policy scenario with and without the localised policy caveat was undertaken to determine the most economically viable option for that Policy Unit. Where the objective-led policy with the localised policy was considered more economically viable than without the localised policy, the policy definition for the Policy Unit included the localised policy option.

Consideration was also given to include additional sensitivity testing factors for reduced costs for private defences, and for different standards of protection that these defences may provide. However, following discussions with the EA and other CSG members, these estimated assessments were not included, and the SMP-scale appraisal focused on determining estimates for public funding demands. The SMP Action Plan has identified the requirement that CDS and landowner management plans will need to determine more realistic costs and benefits particularly for private defences and standard of protection for these defences and designated habitat sites, along with potential liabilities associated with failure, non-maintenance or removal of private defences.

Following the public consultation and the determination of the final SMP policies, the majority of the proposed MR policies and localized MR policies that were proposed on privately owned landholdings or behind privately maintained defences, were objected to by the landowners. The final policies were therefore changed to reflect the intentions of landowners for future management of their defences.

For many of the privately owned frontages, which have been assigned a HTL policy with a clear statement that no public funding would be available to maintain or upgrade existing defences, the final policies are considered economically marginal or not viable; it is important to note that private landowners may consider costs associated with maintenance and upgrading

their defences affordable but the national economic criteria indicates the works are marginal or not viable. There is however, a risk that defence costs may result in defences not being maintained as effectively Over the long-term and could lead to failure or increased frequency of flooding to landholdings, properties, communities and environmentally important sites.

In many cases where defences where privately maintained or owned, the policy scenarios that were previously tested in the sensitivity assessment are now the final policies. The sensitivity tables therefore, now provide economic appraisal information for the alternative policy options, which were originally the objective-led policy options. The economic appraisals have been updated and sensitivity testing sections have therefore been amended accordingly.

Further more detailed and site-specific studies will need to consider the identified potential localised opportunities where the final policies are considered economically marginal or not viable but have been changed, following public consultation to reflect the intentions of the landowner's future management of their defences; it is important to note that private landowners may consider costs associated with maintenance and upgrading their defences affordable but the national economic criteria indicates the works are marginal or not viable. These further detailed studies should also reconsider the proposed objective-led policy and localised policy options.

Location		Preferred	Policy	Calculation	n of Damages & Benefits (CV) (£M)	Assu	umed Defence Works & Costs	(CV)	Comment
				Previous	Broad Scale Review		Broad Scale Review		
5A05	Ella Nore Lane to Fishbourne	Epoch 1	HTL (potential MR Ella Nore)		NAI Damages. Tidal flood losses include 231 properties at a minimum total CVCost of £53.4M By 2025 18.73 By 2055 33.48		Years 20 to 50 Maintenance of defences, and secondary defences at Ella Nore at a CVCost of £7.2M.	Years 50 to 100 Maintenance of defences at a CVCost of £13.18M. Localised realignment at Horse Pond not require secondary defences.	Private owned and maintained defences; replacement/maintenance works not viable for public funding. MR works would be publicly funded. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Value of assets at risk likely to be underestimated.
		Epoch 3	HTL (potential MR Horse Pond)		By 2005 55.62 Preferred Plan Damages By 2025 0.20 By 2055 0.00 By 2105 0.00	PVBenefit of £13.3M and a PVCost of £24.3M.	PVBenefit of £36.8M and a PVCost of £26.5M.	PVBenefit of £65.6M and a PVCost of £27.7M.	See Sensitivity tables for alternative scenarios. The Plan for this policy unit is considered Economically Marginal, but private owners may consider works affordable.
5A06	Fishbourne	Epoch 2 Epoch 3	HTL MR	No Previous Studies have been referred to	NAI Damages Tidal flood losses include 20 properties at a minimum total CVCost of £4.8M By 2025 0.26 By 2055 2.26 By 2055 2.26 By 2105 5.27 Preferred Plan Damages	Linear defences to be maintained in advance of future potential habitat creation (if to be counted as compensation habitats) at a CVCost of £1.6M. Includes the cost for offsetting loss of transitional freshwater habitats resulting from MR works	Maintenance of defences at a CVCost of £0.7M	Realignment of linear defences and secondary defences for flood risk management and habitat creation, and subsequent maintenance of defences at a CVCost of £2M.	Private owned and maintained defences; replacement/maintenance works not viable for public funding. MR works would be publicly funded. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Value of assets at risk likely to be underestimated. See Sensitivity tables for alternative scenarios.
					By 2025 0.00 By 2055 0.00 By 2105 0.42	PVBenefit of £0.2M and a PVCost of £1.2M.	PVCost of £1.4M.	PVBenefit of £2.4M and a PVCost of £1.6M.	The Plan for this policy unit is considered Economically Marginal in long-term.
5A07	Fishbourne to west of Cobnor Point	Epoch 1	HTL (potential MR East Chidham & Bosham)	Studies have	NAI Damages. Tidal flood losses include 582 properties at a minimum total CVCost of £142.4M		Maintenance of defences at a CVCost of £10.2M. No secondary defences required	Maintenance of defences at a CVCost of £18.8M. No secondary defences required	Private owned and maintained defences; replacement/maintenance works not viable for public funding. MR works would be publicly funded. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Value of assets at risk likely to be underestimated.
		Epoch 2 Epoch 3	HTL HTL		By 2025 11.78 By 2055 64.95 By 2105 144.70 Preferred Plan Damages By 2025 0.00 By 2105 0.00 By 2105 0.00	PVBenefit of £8.4M and a PVCost of £34.3M.	PVBenefit of £36.6M and a PVCost of £78.5M.	PVBenefit of £78.5M and a PVCost of £39.2M.	See Sensitivity tables for alternative scenarios. The Plan for this policy unit is considered Economically Marginal, but private owners may consider works affordable.
5A10	Nutbourne	Epoch 2 Epoch 3	MR (HTRL) MR (HTRL)	No Previous Studies have been referred to	NAI Damages. Tidal flood losses include 46 properties at a minimum total CVCost of £10.8M; Erosion losses include 12ha of Grade 3 agricultural land with a CVCost £0.04M By 2025 0.80 By 2055 4.82 By 2105 10.85 Preferred Plan Damages By 2025 0.17	Realignment of linear defences and construction of secondary defences, for flood risk management and habitat creation, and subsequent maintenance of defences at a CVCost of £2.6M. includes the cost for offsetting loss of transitional freshwater habitats resulting from MR works PVBenefit of £0.6M and a PVCost	Maintenance of defences at a CVCost of £0.3M	Maintenance of defences at a CVCost of £0.8M	Realignment of EA maintained defence. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Value of assets at risk likely to be underestimated. See Sensitivity tables for alternative scenarios.
					By 2025 0.17 By 2055 0.02 By 2105 0.05	of £1.8M.	PVBenefit of £2.6M and a PVCost of £1.9M.	PVBenefit of £5.7M and a PVCost of £2.0M.	The Plan for this policy unit is considered Economically Marginal .

SA14 Maker Point to Wisson Point Epoch 2 HTL Epoch 3 MR No Previous By 2025 13.56 By 2025 13.50 By 2025 1	5A12	Prinsted to Stanbury Point	Epoch 1	HTL	No Previous Studies have	NAI Damages. Minimal tidal flood losses to properties	Linear defences to be maintained in advance of future potential	Maintenance of defences at a CVCost of £1.3M	Realignment of linear defences and construction of secondary	Defences owned and maintained by MOD and EA. Management of Thorney Island
Epoch 3 MR By 2005 13-98 By 2005 13-98 By 2005 10-00 By 2015 14-48 By 2005 10-00 By 2015 14-49 By 2015 14-77 By 2015 14-59 By 2015 14-77 By 2015 14-59 By 2			Epoch 2	HTL	been referred to	By 2025 13.65	as compensation habitats) at a CVCost of £11.6M. Includes the cost for offsetting loss of		management and habitat creation, and subsequent maintenance of defences at a	dependent on MOD. See Sensitivity tables for alternative scenarios.
Sy 2005 0.00 Sy 2005 0.00 Sy 2005 0.077			Epoch 3	MR		By 2105 14.49			CVCUSt Of £4.5W.	
Sudies have been referred to be referred to been referred to been referred to be referred to be referred to been referred to be referred						By 2055 0.00				The Plan for this policy unit is considered Economically Viable (to be considered jointly with policies for 5A15)
Epoch 3 MR (HTRL) By 2055 43.43 By 2105 47.72 Preferred Plan Damages By 2025 2 22 Pythenefit of £28,8M and a PVBenefit of £28,8M and a PVBenefit of £27.1M and a PVDcst of £3.7M. PVBenefit of £27.1M and a PVDcst of £3.4M. PVBenefit of £27.1M and a PVDcst of £3.4M. PVBenefit of £27.1M and a PVDcst of £3.4M. PVBenefit of £28,8M and a PVDcst of £3.4M. PVBenefit of £27.1M and a PVDcst of £3.4M. PVBenefit of £27.4M and a PVDcst of £4.3M. PVBenefit of £27.4M and a PVDcst of £5.5M. PVBenefit of £27.5M and a PVDcst of £5.5M. PVBenefit of £27.	5A14	Marker Point to Wickor Point			Studies have	189 properties at a minimum total CVCost of £47.7M	and construction of secondary defences for flood risk management and habitat creation, and subsequent maintenance of defences at a CVCost of £4.2M. Includes cost			management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Defences owned and maintained by MOD and EA.
Second Communication Second Communication Secondary (and process of the secondary defences to be maintained inabilator creation (if to be counted as compensation habitats) at a CVCost of £1.6M (and the secondary defences at a minimal total cVCost of £1.7M. Includes the cost of £1.6M (and the secondary defences at a compensation habitats) at a CVCost of £7.1M. Includes the cost of £1.6M (and the secondary defences at a compensation habitats) at a CVCost of £7.1M. Includes the cost of £1.6M (and the secondary defences at a cVCost of £7.1M. Includes the cost of £1.6M (and the secondary defences at a cVCost of £7.1M. Includes the cost of £1.6M (and the secondary defences at a cVCost of £4.3M. Epoch 2 HTL Epoch 3 MR Epoch 1 HTL (cotential lane) Epoch 2 HTL Epoch 3 HTL (cotential lane) Epoch 4 HTL Epoch 3 HTL (cotential lane) Epoch 4 HTL Epoch 3 HTL (cotential lane) Epoch 5 HTL Epoch 6 HTL Epoch 6 HTL Epoch 7 HTL Epoch 8 HTL Epoch 8 HTL (cotential lane) Epoch 1 HTL Epoch 2 HTL Epoch 2 HTL Epoch 3 HTL (cotential lane) Epoch 6 HTL Epoch 6 HTL Epoch 7 HTL Epoch 8 HTL Epoch 8 HTL Epoch 9 HTL Epoch 1 HTL Epoch 2 HTL Epoch 1 HTL Epoch						By 2055 43.43 By 2105 47.72	freshwater habitats resulting from			on MOD. See Sensitivity tables for
Haven Haven						By 2055 0.00 By 2105 0.00	PVCost of £3M.	PVCost of £3.4M.	PVCost of £3.7M.	,
Epoch 3 MR By 2055 13.98 By 2055 13.99 Preferred Plan Damages By 2052 3.33 By 2055 0.00 By 2105 177 Maisemore Gardens to Wade Lane Epoch 1 HTL (potential memory) And Damages By 2055 0.00 By 2105 0.77 Maisemore Gardens to Wade Lane Epoch 1 HTL (potential memory) And Damages By 2055 0.00 By 2055 0.00 By 2055 0.00 By 2055 0.07 By 2055 0.014 Preferred Plan Damages By 2025 0.07 By 2055 0.14 Preferred Plan Damages By 2025 0.07 By 2055 0.14 By 2025 0.17 By 2055 0.10 By 2055 0.17 By 20	5A15				Studies have	59 properties at a minimum total CVCost of £13.7M	in advance of future potential habitat creation (if to be counted as compensation habitats) at a CVCost of £7.1M. Includes the cost for offsetting loss of transitional freshwater habitats		and construction of secondary defences for flood risk management and habitat creation, and subsequent maintenance of defences at a	Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. Defences owned and maintained by MOD and EA.
By 2055 0.00 By 2105 0.77 Maisemore Gardens to Wade Lane Epoch 1 HTL (potential Epoch 3 HTL (potential Epoch 3 MR Warblington) By 2025 0.07 By 2025 0.17 By 2025 0.07 By 2025 0.17 By 2025 0.07 By 2025 0.17 By 2025 0.07 By 2025 0.07 By 2025 0.17 By 2025 0.07 By 2025 0.17 By 2025 0.00 By 2025 0.00 By 2025 0.17 By 2025 0.00 By 2025 0.17 By 2025 0.00 By 2025 0.00						By 2055 13.98 By 2105 14.49	resulting from wirk works			on MOD. See Sensitivity tables for
Lane MR Conigar) Portchester to Emworth Coastal Defence Study By 2025 0.07 By 2055 0.10 By 2025 0.17 By 2055 0.00 By 2025 0.07 By 2055 0.00 By 2025 0.17 By 2055 0.00 By 2025 0.07 By 2055 0.00 By 2025 0.07 By 2055 0.00 By 2025 0.17 By 2055 0.00 Predicater to Emworth Coastal Defence Study Epoch 2 HTL Epoch 3 H						By 2025 3.33 By 2055 0.00				The Plan for this policy unit is considered Economically Viable (to be considered jointly with policies for 5A12)
By 2025 0.07 By 2055 0.10 By 20	5A17		Epoch 1		Portchester to Emsworth Coastal Defence	minimal	and maintained at a CVCost of £7.4M. Includes the cost for offsetting loss of transitional freshwater habitats resulting from localised managed realignment at Conigar (epoch 1) and	CVCost of £1.5M	secondary defences at Warblington at a CVCost of	Objective-led policies marginal. Future proposed studies for Chichester Harbour e.g. private landowner management plan would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features. See Sensitivity tables for alternative scenarios. Private/A owned and maintained
By 2025 0.17 PVBenefit of £0.05M and a PVBenefit of £0.1M and a PVBenefit of £0.2M and a PVCost of £5.7M. PVCost of £6.7M. Not Economically viable, but priva				HTL (potential MR		By 2055 0.10 By 2105 0.14	secondary defences required at			defences; replacement/maintenance works not viable for, or likely to attract, public funding. MR works would be publicly funded. Refer to draft Portchester to Emsworth CDS for more detailed
						By 2055 0.00				The Plan for this policy unit is considered Not Economically viable, but private owners may consider works affordable.

5A20	Farlington Marshes	Epoch 2 Epoch 3	HTL HTL MR (Full)	emerging Portchester to Emsworth Coastal Defence Study			Maintenance of defences at a CVCost of £3.6M	Realignment of linear defences and construction of secondary defences for flood risk management and habitat creation, and subsequent maintenance of defences at a CVCost of £15.4M.	Based on Full MR (back to Motorway) and includes benefits north of motorway. Refer to draft Portchester to Emsworth CDS for more detailed economic analysis of options. The location and alignment of defences will need to be determined through more detailed and site specific studies. See Sensitivity tables for alternative scenarios.
						PVBenefits of £33.1M and a PVCost of £4.5M.	PVBenefits of £80.7M and a PVCost of £5.6M.	PVBenefits of £132.9M and a PVCost of £7.1M.	The Plan for this policy unit is considered Economically viable. Environmental importance, amenity value and other intangibles not included in assessment
5A20	Farlington Marshes	Epoch 2 Epoch 3	HTL HTL MR (Partial)	emerging Portchester to Emsworth Coastal Defence Study			Maintenance of defences at a CVCost of £3.6M	Realignment of linear defences and construction of secondary defences for flood risk management and habitat creation, and subsequent maintenance of defences at a CVCost of £31.8M.	Based on Partial MR and includes benefits north of motorway. Refer to draft Portchester to Emsworth CDS for more detailed economic analysis of options. The location and alignment of defences will need to be determined through more detailed and site specific studies. See Sensitivity tables for alternative scenarios.
						PVBenefits of £33.1M and a PVCost of £3.8M.	PVBenefits of £80.7M and a PVCost of £4.9M.	PVBenefits of £132.9M and a PVCost of £7.9M.	The Plan for this policy unit is considered Economically viable (and less viable than full MR option). Environmental importance, amenity value and other intangibles not included in assessment
5C16	Calshot Spit to Inchmery	Epoch 1	NAI	No Previous Studies have been referred to	NAI Damages. Erosion losses include 12ha of Grade 2, 3 and 5 agricultural land with a CVCost £0.8M and 12 properties with a CVCost of £2.1M	No defence works identified.	No defence works identified.	No defence works identified.	See Sensitivity tables for alternative scenarios. Private owned and maintained defences. Value of assets at risk likely to be underestimated.
		Epoch 2 Epoch 3	NAI NAI		By 2025 0.65 By 2055 0.72 By 2105 3.14 Preferred Plan Damages By 2025 0.39 By 2055 0.46 By 2105 0.97				The Plan for this policy unit is considered Economically Viable
5C18	Salternshill to Park Shore	Epoch 2 Epoch 3	HTL MR	No Previous Studies have been referred to	17 properties at a minimum total CVCost of £4.1M; Erosion losses include 3ha of Grade 2 and 4 agricultural land with a CVCost £0.01M	Linear defences and groynes to be maintained at a CVCost of £17.6M. Includes the CVCost of offsetting loss of transitional freshwater habitats resulting from MR works	Linear defences and groynes to be replaced and maintained at a CVCost of £9.1M	Realignment of linear defences and construction of secondary defences for flood risk management and habitat creation, and subsequent maintenance of defences at a CVCost of £9.2M.	See Sensitivity tables for alternative scenarios. Private owned and maintained defences. Value of assets at risk likely to be underestimated.
					Preferred Plan Damages By 2025 0.00	PVBenefit of £3.1M and a PVCost of £12.5M.	PVBenefit of £7.6M and a PVCost of £15.3M.	PVBenefit of £12.6M and a PVCost of £16.1M.	The Plan for this policy unit is considered Economically Marginal , as value of assets at risk likely to be underestimated.

5C20	Sowley to Elmer's Court	Epoch 1	NAI	No Previous	NAI Damages Tidal flood losses include 6	No defence works identified.	No defence works identified.	No defence works identified.	See Sensitivity tables for alternative
				Studies have been referred to	properties at a minimum total CVCost of £2.1M; Erosion losses include 7ha of Grade 3 and 4 agricultural land with a CVCost £0.05M				scenarios. Private owned and maintained defences. Value of assets at risk likely to be underestimated.
		Epoch 2 Epoch 3	NAI NAI		By 2025 1.52 By 2055 1.88 By 2105 2.13 Preferred Plan Damages By 2025 0.74				The Plan for this policy unit is considered
					By 2055 0.78 By 2105 0.57				Economically Viable
5C22	Lymington Yacht Haven to Saltgrass Lane	Epoch 1	HTL (potential MR Saltgrass Lane)	No Previous Studies have been referred to	NAI Damages. Tidal flood losses include 353 properties at a minimum total CVCost of £86.8M	CVCost of £7.6M. Includes the cost for offsetting loss of	Maintenance of defences and secondary defences at a CVCost of £91.5M	Maintenance of defences at a CVCost of £23.5M.	Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included
					By 2025 29.84 By 2055 52.85 By 2105 89.31	transitional freshwater habitats resulting from localised MR works at Avon Water (none for Saltgrass Lane)			
		Epoch 2	HTL (potential RTE Avon Water)		Preferred Plan Damages	Laile)			
		Epoch 3	HTL		By 2025 1.25 By 2055 0.00 By 2105 0.00	PVBenefit of £21.1M and a PVCost of £5.4M.	PVBenefit of £58.5M and a PVCost of £33.5M.	PVBenefit of £104.3M and a PVCost of £35.7M.	The Plan for this policy unit is considered Economically Viable
5AHI02	Northney Farm	Epoch 1	MR	No Previous Studies have been referred to	NAI Damages. Tidal flood losses include 85 properties at a minimum total CVCost of £15.9M	Realignment of existing defences and construction of secondary defences and maintained at a CVCost of £3M. Includes the cost for offsetting loss of transitional freshwater habitats resulting from MR works	Maintenance of defences at a CVCost of £1M.	Maintenance of defences at a CVCost of £2.2M.	See Sensitivity tables for privately funded replacement and maintenance CVCosts. Private owned and maintenined defences. Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included. Future proposed studies for Chichester Harbour e.g. private landowner management plan
		Epoch 2 Epoch 3	HTL HTL		By 2025 1.35 By 2055 6.86 By 2105 15.90 Preferred Plan Damages				would provide more detailed assessment for the lo
					By 2025 0.00 By 2055 0.00 By 2105 0.78	PVBenefit of £1M and a PVCost of £2.1M.	PVBenefit of £4M and a PVCost of £2.5M.	PVBenefit of £8.6M and a PVCost of £2.7M.	The Plan for this policy unit is considered Economically Viable
5AHI03	Northney Farm to Mengham	Epoch 1	HTL	No Previous Studies have been referred to	NAI Damages. Tidal flood losses include 189 properties at a minimum total CVCost of £36.4M	Maintenance of defences at a CVCost of £8.6M. Includes the cost for offsetting loss of transitional freshwater habitats resulting from MR works	Maintenance of defences at a CVCost of £9.4M.	Realignment of existing defences and construction of secondary defences and maintained at a CVCost of £10.4M.	See Sensitivity tables for alternative scenarios. Private owned and maintained defences. Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included. Future proposed studies for Chichester Harbour e.g. private landowner management plan
		Epoch 2 Epoch 3	HTL MR		By 2025 8.46 By 2055 19.07 By 2105 36.37 Preferred Plan Damages				would provide more detailed assessment for the longer-term management of historic towns, land use and heritage features.
					By 2025 1.61 By 2055 0.00 By 2105 1.39	PVBenefit of £6M and a PVCost of £6.1M.	PVBenefit of £17.8M and a PVCost of £9M.	PVBenefit of £33.1M and a PVCost of £10M.	The Plan for this policy unit is considered Economically Marginal but private owners may consider works affordable.
5AHI08	West Lane (Stoke) to Langstone Bridge	Epoch 1	HTL (potential MR West Northney & Stoke)	Studies have	NAI Damages. Tidal flood losses include 236 properties at a minimum total CVCost of £43.9M	Linear defences to be replaced and maintained and construction of secondary defences at a CVCost of £15.4M	Maintenance of defences at a CVCost of £3.2M.	Realignment of existing defences and maintained at a CVCost of £6M.	Value of assets at risk likely to be underestimated, and amenity values and other intangibles not included.
		Epoch 2 Epoch 3	HTL HTL		By 2025 17.32 By 2055 27.96				
					By 2105 44.47 Preferred Plan Damages By 2025 0.00 By 2055 0.00	PVBenefit of £12.3M and a PVCost of £10.9M.	PVBenefit of £33.1M and a PVCost of £11.9M.	PVBenefit of £58.2M and a PVCost of £12.5M.	The Plan for this policy unit is considered Economically Viable
					By 2105 0.00	TOOK OF ETOLOWI.	TOOL OF ETT.OW.	TOSSI OF ETE.OWI.	

SUPPORTING ECONOMIC APPRAISAL DATA

Annexes

- EXPLANATIONS OF COLUMN HEADINGS FOR APPRAISAL SUMMARY AND SENSITIVITY TESTING APPRAISAL SUMMARY TABLES
- ANNEX H1: APPRAISAL SUMMARY
- ANNEX H2: SENSITIVITY TESTING APPRAISAL SUMMARY
- ANNEX H3: NAI EROSION-ONLY LOSSES
- ANNEX H4: NAI FLOOD LOSSES
- EXPLANATIONS OF COLUMN HEADINGS FOR DEFENCE WORK COSTS AND SENSITIVITY TESTING DEFENCE WORK COSTS TABLES
- ANNEX H5: DEFENCE WORK COSTS
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EXPLANATIONS OF COLUMN HEADINGS FOR APPRAISAL SUMMARY AND SENSITIVITY TESTING APPRAISAL SUMMARY TABLES

(a)	Policy Unit	These relate to the stretches of shoreline defined in main SMP document
(b)	Epoch	These relate to time periods used for policy setting
(c)	Asset Value Loss per Epoch (Damages) : NAI	The calculated capital value (CV) of property (£) that would be lost during the identified time period for NAI
(d)	Asset Value Loss per Epoch (Damages) : Preferred Plan	The calculated capital value of property (£) that would be lost during the identified time period for Preferred Plan
(e)	Cumulative Property Damage or Loss (PV): NAI	The Present Value of property loss under the NAI scenario i.e. values from (c) discounted to reflect timing of loss. This is a cumulative measure, i.e. the 50 year value includes all losses or damages from year 0-50
(f)	Cumulative Property Damage or Loss (PV): Preferred Plan	The Present Value of property loss under the Preferred Plan scenario i.e. values from (c) discounted to reflect timing of loss. This is a cumulative measure i.e. the 50 year value includes all losses or damages from year 0-50, and the 100 year value indicates all losses or damages from year 0-100
(g)	Management Cost Per Epoch (CV) (Preferred Policy Scenario)	The calculated cost of defence and management measures for Preferred Plan during the identified time period. The calculation of these values is presented in the subsequent table
(h)	Preferred Policy Benefits & Damages Averted (PV)	The cumulative benefits expressed in terms of Present Value. This is the difference between the Preferred Plan damages (f) and the NAI damages (e)
(i)	Preferred Policy Costs (PV)	The Present Value of the costs of providing the Preferred Plan (i.e. the values from (g) discounted to reflect timing of activities). This is a cumulative measure. However, for years where no defence works are proposed, columns have been left blank

ANNEX H1: APPRAISAL SUMMARY

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	u	·		Asset Current V	/alue Loss per amages)	Cumulative Property Damage	/ Loss (PV)	-	Cumulative Final Policy Benefits & Damages Averted (PV)	Cumulative Final Policy Costs (PV)
				Asset Value Lo (Dama		Cumulative Property Damage	/ Loss (PV)	Management Cost	Final Policy S	cenario
	Policy Unit	Epoch	Final policy scenario	NAI	Preferred Plan	NAI	Preferred Policy	Per Epoch (CV) (Final Policy Scenario)	Damages Averted (PV)	Costs (PV)
5A01	Selsey West	•	MR (localised HTL							
	Beach to	0-20	Medmerry Cliffs)	25,629,779	5,338,567	18,171,513		23,200,000	18,171,513	16,448,800
	Bracklesham	20-50	HTL	27,342,032	5,826,009	26,565,517		10,080,000	44,737,030	19,543,360
5A02	(Medmerry) Bracklesham to	50-100 0-20	HTL HTL	30,420,749 66,511,903	6,557,172	29,425,068 47,156,939		16,640,000 20,959,554	74,162,098 47,156,939	21,107,520 14.860.323
3A02	East Wittering	20-50	HTL	135,705,688		88,818,586	1	10,875,581	135,975,525	18.199.127
	Last writtering	50-100	HTL	223,831,881	 	109,858,782		18,496,308	245,834,307	19,937,780
5A03	East Wittering to	0-20	HTL	13.238.366		9.386.002		2.945.666	9.386.002	2.088.477
	Cakeham	20-50	MR	28,043,788		17,995,444		14,491,080	27,381,446	6,537,239
		50-100	HTL	51,400,180		22,827,061		8,269,934	50,208,508	7,314,613
5A04	Cakeham									
	(including East	0-20	AM	4,091,635		2,900,969	ļ	10,974,530	2,900,969	7,780,942
	Head) to Ella Nore	20-50	AM	5,104,833	ļ	4,468,153	ļ	12,771,390	7,369,121	11,701,758
- A	Lane	50-100	AM AM	6,624,631	ļļ	5,090,868	!	7,226,716	12,459,989	12,381,069
5A05	Ella Nore Lane to	0-20 20-50	HTL (NPFA) HTL (NPFA)	18,728,064 33,484,680		13,278,197 23,557,994		33,936,320 7,201,920	13,278,197 36,836,192	24,060,851
	Fishbourne	20-50	HTL (NPFA) (localised MR	33,484,680		23,337,994		7,201,920	36,836,192	26,271,840
		50-100	Horse Pond)	55,619,605		28,786,237		13,203,520	65,622,429	27,512,971
5A06	Fishbourne	0-20	HTL (NPFA)	257,345		182,458		7,464,000	182,458	5,291,976
		20-50	HTL (NPFA)	2,261,481		876,733		1,584,000	1,059,190	5,778,264
		50-100	HTL (NPFA)	5,267,685	419,474	1,371,895		2,904,000	2,431,085	6,051,240
5A07	Fishbourne to west of Cobnor Point	0-20	HTL (NPFA) (localised MR East Chidham)	11,779,771		8,351,858		48,366,064	8,351,858	34,291,539
		20-50	HTL (NPFA)	64,948,548		28,291,062		10,263,264	36,642,920	37,442,361
		50-100	HTL (NPFA)	144,701,712		41,893,023		18,815,984	78,535,943	39,211,064
5A08	west of Cobnor	0-20	MR (NPFA)	337,238	337,238	239,102		640,000	239,102	453,760
	Point to Chidham	20-50	HTL (NPFA)	584,943	380,807	418,679		1,440,000	657,781	895,840
=	Point	50-100	HTL (NPFA)	956,500	446,162	508,590		3,200,000	1,166,371	1,196,640
5A09	Chidham Point to	0-20 20-50	HTL (NPFA)	132,766 3.922.302		94,131 1,298,278		4,276,327 903,278	94,131 1,392,410	3,031,916 3,309,223
	Nutbourne	50-100	HTL (NPFA)	9,606,606	 	2,201,299		1,656,010	3,593,709	3,309,223
5A10	Nutbourne	0-20	HTL (NPFA)	803,904	3,529	569.968	1	7,961,600	569,968	5.644.774
5/110	radiodanic	20-50	HTL (NPFA)	4,823,843	20,780	2,050,888		1,689,600	2,620,856	6,163,482
		50-100	HTL (NPFA)	10,853,752	46,655	3,071,141	i e	3,097,600	5,691,996	6,454,656
5A11	Nutbourne to	0-20	HTL	9,512,453	1,77	6,744,329		6,250,111	6,744,329	4,431,329
	Prinsted	20-50	HTL	14,027,759		11,050,851		1,326,390	17,795,181	4,838,530
		50-100	HTL	20,800,716		13,006,119		2,431,715	30,801,300	5,067,112
5A12	Prinsted to	0-20	HTL	13,646,328		9,675,247		6,316,939	9,675,247	4,478,710
	Stanbury Point	20-50	HTL	13,983,193		13,968,087	ļ	1,340,572	23,643,333	4,890,265
5446	Out to Division	50-100	HTL	14,488,491	765,349	15,330,005	!	2,031,170	38,973,338	5,081,195
5A13	Stanbury Point to Marker Point	0-20 20-50	HTL HTL	1,275,845 765,507	 	904,574 1,139,585	<u> </u>	10,847,680 2,302,080	904,574 2.044.159	7,691,005 8,397,744
	warker Point	50-100	HTL	765,507 765,507	1	1,139,585	 	2,302,080 4,220,480	3,255,701	8,397,744
5A14	Marker Point to	0-20	HTL	40,575,323	3,452	28,767,904	 	9,952,000	28,767,904	7,055,968
37114	Wickor Point	20-50	HTL	43,432,960	3,196	42.101.823	1	2,112,000	70.869.727	7,704,352
	o.cor i oiiit	50-100	HTL	47,719,416	2,813	46,587,448	1	3,872,000	117,457,175	8,068,320
5A15	Wickor Point to	0-20	HTL	13,646,328	1	9,675,247	i e	7,084,354	9,675,247	5,022,807
	Emsworth Yacht	20-50	HTL	13,983,193	j j	13,968,087	1	1,612,301	23,643,333	5,517,783
	Haven	50-100	HTL	14,488,491	765,349	15,330,005		2,442,881	38,973,338	5,747,414
5A16	Emsworth Yacht	0-20	HTL	46,599,218		33,038,846		14,848,664	33,038,846	10,527,703
	Haven to	20-50	HTL	53,785,944		49,551,131		3,151,163	82,589,977	11,495,110
	Maisemore	50-100	HTL	64,821,201		55,644,323		5,777,133	138,234,300	12,038,160

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		-		Asset Current V	amages)	Cumulative Property Damage	/ Loss (PV)		Cumulative Final Policy Benefits & Damages Averted (PV)	Cumulative Final Policy Costs (PV)
				Asset Value Lo (Dama		Cumulative Property Damage	Loss (PV)	Management Cost	Final Policy S	cenario
			Final policy				Preferred	Per Epoch (CV) (Final Policy	Damages Averted	
5047	Policy Unit	Epoch	scenario	NAI	Preferred Plan	NAI	Policy	Scenario)	(PV)	Costs (PV)
5A17	Maisemore Gardens to Wade									
	Lane	0-20	HTL	70,025		49,648		7,124,757	49,648	5,051,453
	Lano	20-50	HTL*	96,641		79,317		1,512,006	128,965	5,515,639
		50-100	HTL*	136,564		92,154		2,772,012	221,118	5,776,208
5A18	Wade Lane to	0-20	HTL	39,001,616		27,652,146		15,883,282	27,652,146	11,261,247
	Southmoor Lane	20-50	HTL*	39,819,557		39,876,750		4,004,329	67,528,896	12,490,576
		50-100	HTL*	41,046,467		43,735,118		7,341,269	111,264,014	13,180,655
5A19	Southmoor Lane	0-20	HTL HTL	15,109,056		10,712,321		14,430,400	10,712,321	10,231,154
	to Farlington Marshes (east)	20-50 50-100	HTL	16,827,443 19,405,024	1	15,878,346 17,702,418	-	3,062,400 5,614,400	26,590,667 44,293,085	11,171,310 11,699,064
5A20	Farlington	0-20	HTL	46,697,099	1	33,108,243	1	17,118,397	33,108,243	12,136,944
3/120	Marshes (east) to	20-50	HTL*	47,374,835	1	47,652,318	1	3,634,181	80,760,561	13,252,637
	Farlington	50-100	HTL*	48,391,439	†	52,201,113		1,193,039	132,961,674	13,364,783
5A20	Farlington	0-20	HTL	46,697,099		33,108,243		2,257,597	33,108,243	1,600,636
	Marshes (east) to	20-50	HTL*	47,374,835		47,652,318		3,634,181	80,760,561	2,716,330
	Farlington	50-100	HTL*	48,391,439		52,201,113		6,662,665	132,961,674	3,342,620
5A21	Farlington	0-20	HTL	2,474,139,590		1,754,164,969		68,071,680	1,754,164,969	48,262,821
	Marshes (west) to	20-50	HTL	1,910,883,563		2,340,806,223		14,446,080	4,094,971,192	52,697,768
5A22	Cador Drive Cador Drive to A27	50-100 0-20	HTL HTL	1,065,999,522 52,711	<u> </u>	2,441,010,178 37,372		26,484,480 25,391,370	6,535,981,370 37,372	55,187,309 18,002,481
5A22	Cador Drive to A27	20-50	HTL*	203,561	14,914	99,866		3,757,467	137,238	19,156,024
		50-100	HTL*	429,836	32,087	140,270		6,888,690	277,508	19,803,561
5A23	A27 to Fleetlands	0-20	HTL	3,466	0=,000	2.457		16,465,208	2,457	11,673,832
	(MOD boundary)	20-50	HTL	44,976,773		13,810,327		3,494,224	13,812,784	12,746,559
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	50-100	HTL	110,125,622		24,162,135		6,406,078	37,974,919	13,348,730
5A24	Fleetlands (MOD	0-20	HTL					29,915,615		21,210,171
	Boundary) to Quay	20-50	HTL					6,348,651		23,159,207
	Lane (MOD	50-100	HTL	100 000 000		00.010.510		11,639,194	00.010.510	24,253,291
5A25	Quay Lane (MOD boundary) to	0-20 20-50	HTL HTL	130,906,220 274,620,040	<u> </u>	92,812,510 177,120,862		69,017,120 14,646,720	92,812,510 269,933,372	48,933,138 53,429,681
	Portsmouth	50-100	HTL	495,125,019	 	223,662,614		26,852,320	493,595,986	55,953,799
5B01	Portsmouth	0-20	HTL	433,123,013	 	223,002,014		2,138,123	433,333,300	1,515,930
3001	Harbour entrance	20-50	HTL	117,769		36,155		36,152,601	36,155	12,614,778
	to Gilkicker Point	50-100	HTL	294,422		63,831		6,232,570	99,986	13,200,640
5B02	Gilkicker Point to	0-20	HTL	16,301,097		11,557,477		28,936,468	11,557,477	20,515,956
	Meon Road,	20-50	HTL	33,727,142		21,911,710		69,229,735	33,469,188	41,769,485
	Titchfield Haven	50-100	HTL	61,287,107		27,672,698		19,961,581	61,141,886	43,645,873
5B03	Meon Road,	0-20	NAI (HTL cross-	12,212,503	546,885	8,658,664			8,658,664	
	Titchfield Haven to Hook Park		NAI (HTL cross- Solent							
	HOUR Falk	20-50	infrastructure)	15,456,572	578,510	13,403,832			22,062,496	
		20 30	NAI (HTL cross-	10,400,072	370,310	10,400,002			22,002,430	
			Solent							
L	<u> </u>	50-100	infrastructure)	22,063,670	1,376,464	15,477,817	<u> </u>		37,540,314	<u> </u>
5C01	Hook Park to	0-20	NAI	1,549,294	1,180,084	1,098,450			1,098,450	
	Warsash North	20-50	MR	2,240,373	1,258,636	1,786,244		5,040,000	2,884,694	1,547,280
5001	M(50-100	HTL	1,900,527	ļļ	1,964,894		1,120,000	4,849,588	1,652,560
5C02	Warsash North to	0-20 20-50	NAI NAI	2,120,084 1,591,830	 	1,503,140 1,991,832	 	 	1,503,140 3,494,971	-
	Swanwick Shore Road	50-50 50-100	NAI	1,591,830 921,560	122,111	1,991,832	-	1	3,494,971 5,573,430	-
5C03	Swanwick Shore	0-20	HTL	4,337,356	166,111	3,075,185	1	3,225,773	3,075,185	2,287,073
3003	Road to Bursledon	20-50	HTL	5,572,778	1	4,786,028	-	684.569	7,861,214	2,497,236
	Bridge	50-100	NAI	7,474,190	48,279	5,488,602		,	13,349,816	2,497,236
5C04	Bursledon Bridge	0-20	NAI	2,090,342	99,966	1,482,053			1,482,053	1
	to Curbridge to	20-50	NAI	3,624,045	108,824	2,594,635			4,076,687	
1	Botley to Satchell	50-100	NAI	6,637,725	835,235	3,218,581	13,537.97	1	7.281.730	

	а	b		С	l d l	e	l f	a	h	l i
	-	-		Asset Current V Epoch (Da	amages)	Cumulative Property Damage	Loss (PV)	Ĭ	Cumulative Final Policy Benefits & Damages Averted (PV)	Cumulative Final Policy Costs (PV)
				(Dama		Cumulative Property Damage	Loss (PV)	Management Cost	Final Policy S	cenario
	Policy Unit	Epoch	Final policy scenario	NAI	Preferred Plan	NAI	Preferred Policy	Per Epoch (CV) (Final Policy Scenario)	Damages Averted (PV)	Costs (PV)
5C05	Satchell Marshes	Epocii	NAI (HTL for	1101	i iciciica i iaii	NAI	1 Oney	occitatio)	(1.4)	00313 (1 1)
	to Hamble		Rope Walk and							
	Common Point	0-20	Quay)	2,376,400	42,519	1,684,867		4,640,000	1,684,867	3,289,760
			NAI (HTL for Rope Walk and							
		20-50	Quay)	2,107,120	44,823	2,331,753		720.000	4,016,621	3,510,800
			NAI (HTL for	_,,,,,,_,	1.,,,,,	_,,,,			1,010,00	0,010,000
			Rope Walk and							
=0.00		50-100	Quay)	1,654,920		2,487,316		1,600,000	6,503,937	3,661,200
5C06	Hamble Common Point to Hamble	0-20 20-50	NAI NAI	6,692,247 6,241,149		4,744,803 6,660,836			4,744,803 11,405,639	
	Oil Terminal	50-100	NAI	4,873,289	1	7,118,925			18,524,563	
5C07	Hamble Oil	0-20	HTL	1,070,200		7,110,020		2,935,956	10,02 1,000	2,081,593
	Terminal to Ensign	20-50	HTL	704,130		216,168		623,065	216,168	2,272,874
	Industrial Park	50-100	NAI	1,760,326		381,639			597,807	2,272,874
5C08	Ensign Industrial	0-20	NAI		 		1			1
	Park to Cliff House	20-50 50-100	NAI NAI		 		 	-		
5C09	Cliff House to	0-20	HTL	1,934,163	t	1,371,322		16,728,000	1,371,322	11,860,152
	Netley Castle	20-50	HTL*	4,427,084		2,730,436		2,164,800	4,101,758	12,524,746
	-		NAI (HTL for							
=0		50-100	Netley Village)	8,166,466		3,498,084		10,576,000	7,599,842	13,518,890
5C10	Netley Castle to Weston Point	0-20 20-50	HTL HTL	30,600,874 21,500,719		21,696,020 28,296,740			21,696,020 49,992,760	
	weston Point	50-100	HTL	7,850,486	1	29,034,686			79,027,446	
5C11	Weston Point to	0-20	HTL	52,840,628		37,464,005		41,684,767	37,464,005	29,554,500
	Woodmill Lane	20-50	HTL	91,334,671		65,503,749		8,846,285	102,967,755	32,270,309
=0.10		50-100	NAI*	149,075,736		79,516,868		100 000 177	182,484,623	32,270,309
5C12	Woodmill Lane to Redbridge	0-20 20-50	HTL HTL	432,477,414 2,271,688,903		306,626,486 1,004,034,980		106,922,477 22,690,944	306,626,486 1,310,661,466	75,808,036 82,774,156
	Reabriage	50-100	HTL	5,030,506,138	1	1,476,902,557		41,600,063	2,787,564,023	86,684,562
5C13	Lower Test Valley	0-20	NAI	-,,,		.,,,		,,	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	,	20-50	NAI							
		50-100	NAI	1,045,148	1,045,148	98,244			98,244	
5C14	Redbridge to	0-20 20-50	HTL HTL	192,056,092 257,316,126		136,167,769 215,163,820		11,718,315 134,617,721	136,167,769 351,331,589	8,308,286 49,635,926
	Calshot Spit	50-100	HTL	355,758,396	1	248,605,109		34,583,321	599,936,698	52,886,758
5C15	Calshot Spit	0-20	HTL	879,616		623,647		1,582,034	623,647	1,121,662
	·	20-50	HTL	945,828		914,017		4,507,966	1,537,664	2,505,607
=0.10	0.11.00.00	50-100 0-20	NAI NAI	1,387	1,387	914,147 462,696			2,451,811 462,696	2,505,607
5C16	Calshot Spit to Inchmery	20-50	NAI	652,603 716,516	392,438 456,351	462,696 682,666			1,145,362	
	incliniery	50-100	NAI	3,136,709	965,224	977,517	21,972.50		2,100,906	
5C17	Inchmery to	0-20	NAI	260,818	653	184,920	11,012.00		184,920	1
	Salternshill	20-50	NAI	4,075,769	947	1,436,181			1,621,101	
FC : -	0.1	50-100	NAI	10,127,363	330,556	2,388,153		00.010.011	4,009,254	00.070.000
5C18	Salternshill to Park Shore	0-20 20-50	HTL (NPFA) HTL (NPFA)	4,403,939 4,600,009	 	3,122,393 4,534,596	-	28,318,844 10,257,570	3,122,393 7,656,989	20,078,060 23,227,134
	Sillie	50-100	HTL (NPFA)	5,011,842	849,202	5,005,709	 	16,043,298	12,662,698	24,735,204
5C19	Park Shore to	0-20	HTL	2,467,367	,	1,749,363	İ	12,065,646	1,749,363	8,554,543
	Sowley	20-50	HTL	3,381,764		2,787,565		3,717,712	4,536,928	9,695,881
FC	0. 1. 1. 5.	50-100	HTL*	4,689,538	700 101	3,228,381		7,370,435	7,765,309	10,388,701
5C20	Sowley to Elmer's Court	0-20 20-50	NAI NAI	1,519,619 1,875,848	739,124 783,155	1,077,410 1,653,295	-		1,077,410 2,730,705	
	Court	50-100	NAI	2,134,913	573,923	1,853,977	 		4,584,681	1
5C21	Elmer's Court to	55 .55	HTL (potential	2,101,010	0,0,020	.,000,0	i		1,001,001	1
	Lymington Yacht		RTE Lymington							
	Haven	0-20	Reedbeds)	20,314,834		14,403,217		1,397,280	14,403,217	990,672
		20-50 50-100	HTL	53,753,841 104.050,790	 	30,905,647 40.686.421	1	16,051,680 4,123,680	45,308,864 85,995,285	5,918,537 6,306,163
		50-100	I HIL	104,050,790	L .	40,000,421	L	4,123,080	85,995,∠85	0,300,103

	а	b	1	С	l d l	e	l f	l a	h	г і
				Asset Current V	alue Loss per amages)	Cumulative Property Damage	/ Loss (PV)	3	Cumulative Final Policy Benefits & Damages Averted (PV)	Cumulative Final Policy Costs (PV)
				Asset Value Lo (Dama		Cumulative Property Damage	/ Loss (PV)	Management Cost	Final Policy S	cenario
	Policy Unit	Epoch	Final policy scenario	NAI	Preferred Plan	NAI	Preferred Policy	Per Epoch (CV) (Final Policy Scenario)	Damages Averted (PV)	Costs (PV)
5C22	Lymington Yacht Haven to Saltgrass							,	()	
	Lane	0.00		00 000 004	1 010 000	04.455.044		5 007 110	01 155 011	0.704.047
		0-20	HTL HTL	29,839,084	1,246,000	21,155,911		5,337,118	21,155,911	3,784,017
		20-50 50-100	HTL	52,853,784 89.308.831	-	37,382,022 45,777,053		91,455,771 23,495,007	58,537,933 104,314,986	31,860,938 34,069,469
5F01	Hurst Spit	50-100	HIL	89,308,831	-	45,777,053	1	23,495,007	104,314,986	34,069,469
3501	nuist opit	0-20	HTL	16,712,136		11,848,904		12,240,000	11,848,904	8,678,160
	-	20-50	HTL	23,464,124		19.052.390		2.880.000	30.901.295	9.562.320
	l F	50-100	HTL	33,270,957		22,179,860		38,880,000	53,081,155	13,217,040
5API01	Langstone					, -,	i e			7, 7, 1, 1
	Harbour entrance	0-20	HTL	965,357,249	<u> </u>	684,438,290	<u> </u>	140,201,427	684,438,290	99,402,812
	(west) (harbour) to	20-50	HTL	1,391,421,564		1,111,604,710		29,753,358	1,796,043,000	108,537,093
	Portsmouth	50-100	HTL	2,028,152,312		1,302,251,027		54,547,822	3,098,294,027	113,664,588
5API02	Harbour entrance (west) (open									
	coast) to	0-20	HTL	754,943,367		535,254,847		38,940,087	535,254,847	27,608,522
	Portsmouth	20-50 50-100	HTL	994,754,313		840,644,421		22,049,528	1,375,899,268	34,377,727
5AHI01	Harbour entrance Langstone Bridge	50-100	HTL	1,353,798,856	-	967,901,514		16,640,095	2,343,800,782	35,941,896
SAHIUI	to Northney Farm	0-20	HTL	9,915,302		7,029,949		13,721,868	7,029,949	9,728,804
	to Northiney Famil	20-50	HTL	11,973,236	-	10,705,733		2,912,036	17,735,682	10,622,799
	-	50-100	HTL	15,362,909		12,149,846		5,338,733	29,885,529	11,124,640
5AHI02	Northney Farm			,		,,		2,000,100		,,
		0-20	HTL (NPFA)	1.353.925		959.933		1.115.200	959.933	790.677
	l F	20-50	HTL (NPFA)	6,859,752		3,065,877		1,795,200	4,025,809	1.341.803
		50-100	MR	15,895,054	776,560	4,560,012		25,558,400	8,585,821	3,744,293
5AHI03	Northney Farm to Mengham									
		0-20	HTL (NPFA)	8,458,084		5,996,782		44,485,536	5,996,782	31,540,245
		20-50	HTL (NPFA)	19,066,559		11,850,215		9,440,795	17,846,997	34,438,569
		50-100	HTL (NPFA)	36,373,056	1,393,784	15,269,282		17,308,123	33,116,279	36,065,533
5AHI04	Mengham to	0.00	1,771	00.007.004		00 504 007		05 000 045	00 501 007	17 000 701
	Chichester	0-20	HTL	93,827,964		66,524,027	1	25,233,845 5,355,093	66,524,027	17,890,796
	Harbour entrance	20-50 50-100	HTL	129,198,606 182,258,189	-	106,187,999 123,320,269		9,817,670	172,712,026 296,032,294	19,534,810 20,457,671
5AHI05	(west) Chichester	0-20	HTL	94,662,182	1	67,115,487	1	40,753,440	67,115,487	28,894,189
SAHIUS	Harbour entrance	20-50	HTL	135,045,820	+	108,574,554		68,135,040	175,690,041	49,811,646
	(west) to	50-100	HTL	172,572,417		124,796,361	1	38,255,840	300,486,402	53,407,695
5AHI06		00 100	† ····-	,0,.17	† †	12 1,7 00,001	1	00,200,0.0	500,100,102	50, 107,000
2	Harbour entrance	0-20	HTL	12,739,981	470,647	9,032,646		14,725,777	9,032,646	10,440,576
	(east) to North	20-50	HTL	17,398,282	593,012	14,373,919	i e	3,125,085	23,406,565	11,399,977
L	Shore Road, New	50-100	HTL	23,609,667	494	16,593,228		5,729,322	39,999,793	11,938,533
5AHI07	North Shore Road, New Town to West	0-20	NAI (HTL Newtown)	5,652,762	5,833,061	4,007,808	4,085,874.12	14,461,815	-78,066	10,253,427
	Lane (Stoke)	20-50	NAI (HTL Newtown)	10,873,391	11,090,870	7,345,939	3,081,833.62	3,069,067	4,186,040	11,195,630
FALUCO	Mastlass (Otal)	50-100	NAI (HTL Newtown)	16,427,385	16,607,684	8,890,114	1,537,756.53	5,626,622	11,538,397	11,724,533
SAHIU8	West Lane (Stoke) to Langstone	0-20	HTL*	17.322.149		12.281.404		15,375,840	12.281.404	10.901.471
l	Bridge	20-50	HTL*	27,956,362	 	20,864,007	 	3,263,040	33,145,410	11,903,224
l	Bridge	50-100	HTL*	44,469,063		25,044,099	1	5,982,240	58,189,509	12,465,554
		00 .00		,,	·	20,011,000	1	0,000,000	00,100,000	, 100,004

ANNEX H2: SENSITIVITY TESTING APPRAISAL SUMMARY

		b	1				Te .		l h		
	a	<u> </u>		С	d	e		g	п		
				Asset Current \ Epoch (D	amages)	Cumulative Property Damage		Management Cost	cumulative Preferred Policy Benefits & Damages Averted (PV)	Cumulative Preferred Policy Costs (PV)	
				(Dama	ages)	Cumulative Property Damage		Per Epoch (CV)	Preferred Policy	Scenario	
			preferred policy				Preferred	(Preferred Policy			Description of
	Policy Unit	Epoch	scenario	NAI	Preferred Plan	NAI	Policy	Scenario)	Damages Averted (PV)	Costs (PV)	Alternative tested
5A05	Ella Nore Lane to Fishbourne	0-20	HTL	18,728,064	203,000	13,278,197		34,261,120	13,278,197	24,291,134	localised MR for
		20-50	HTL (potential MR Ella Nore)	33,484,680		23,557,994		7,180,800	36,836,192	26,495,640	epoch for habitat creation managed
		20-30	HTL (potential MR	33,404,000	+	23,337,994		7,100,000	30,030,192	20,433,040	realignment
		50-100	Horse Pond)	55,619,605		28,786,237		13,164,800	65,622,429	27,733,131	rodiigiiiioiit
5A06	Fishbourne	0-20	HTL	257,345		182,458		1,625,760	182,458	1,152,664	MR for epoch for
		20-50	HTL	2,261,481		876,733		696,960	1,059,190	1,366,631	habitat creation
		50-100	MR	5,267,685	419,474	1,371,895		2,048,000	2,431,085	1,559,143	managed realignment
5A07	Fishbourne to west of Cobnor Point	0.00	HTL (potential MR East Chidham &	11,779,771		0.054.050		48,361,744	8,351,858	34,288,476	MR for epoch for habitat creation
	-	0-20 20-50	Bosham) HTL	64,948,548		8,351,858 28,291,062		10,263,264	36,642,920	37,439,299	managed realignment
		50-100	HTL	144.701.712	+ +	41.893.023	1	18.815.984	78.535.943	39,208,001	1
5A10	Nutbourne	0-20	MR	803,904	171,529	569,968		2,588,800	569,968	1,835,459	MR for epoch for
-	ļ	20-50	MR (HTRL)	4,823,843	20,780	2,050,888		360,000	2,620,856	1,945,979	habitat creation
		50-100	MR (HTRL)	10,853,752	46,655	3,071,141		800,000	5,691,996	2,021,179	managed realignment
5A12	Prinsted to Stanbury Point	0-20	HTL	13,646,328	3,325,000	9,675,247		11,636,939	9,675,247	8,250,590	MR for epoch for
	<u> </u>	20-50 50-100	HTL MR	13,983,193 14,488,491	705.040	13,968,087	1	1,340,572 4,304,000	23,643,333	8,662,145	habitat creation
5A14	Marker Point to Wickor Point	50-100	MK	14,488,491	765,349	15,330,005	+	4,304,000	38,973,338	9,066,721	managed realignment MR for epoch for
3A14	Marker Form to Wickor Form	0-20	MR	40.575.323	2.218.952	28.767.904		4.184.800	28.767.904	2.967.023	habitat creation
		20-50	MR (HTRL)	43,432,960	3,196	42,101,823		1,440,000	70,869,727	3,409,103	managed realignment
	-	50-100	MR (HTRL)	47,719,416	2,813	46,587,448		3,200,000	117,457,175	3,709,903	
5A15	Wickor Point to Emsworth Yacht Haven	0-20	HTL	13,646,328	3,325,000	9,675,247		7,084,354	9,675,247	5,022,807	MR for epoch for habitat creation
		20-50	HTL	13,983,193		13,968,087		1,612,301	23,643,333	5,517,783	managed realignment
		50-100	MR	14,488,491	765,349	15,330,005		4,304,000	38,973,338	5,922,359	
5A17	Maisemore Gardens to Wade Lane	0.00	HTL (potential MR	70.005	400.000	40.040		7 404 757	40.040	E 054 450	localised MR for
	-	0-20 20-50	Conigar) HTL	70,025 96,641	168,000	49,648 79,317		7,124,757 2,290,406	49,648 128,965	5,051,453 5,754,608	epoch for habitat
	-	20-50	HTL (potential MR	90,041		79,317		2,290,400	120,900	5,754,006	creation managed realignment
		50-100	Warblington)	136,564		92,154		2,772,012	221,118	6,015,177	rodiigiinont
5A20	Farlington Marshes (east) to					•					Full MR for epoch for
	Farlington Marshes (west)	0-20	HTL	46,697,099	2,590,000	33,108,243		2,257,597	33,108,243	1,600,636	habitat creation
		20-50	HTL	47,374,835		47,652,318		6,742,181	80,760,561	3,670,486	managed realignment
		E0 400	MR full back to	40.004.400		50.004.440		44.045.007	400 004 074	4 707 507	
5A20	Farlington Marshes (east) to	50-100	motorway	48,391,439		52,201,113	_	11,245,867	132,961,674	4,727,597	Partial MR for epoch
5A20	Farlington Marshes (east) to Farlington Marshes (west)	0-20	HTL	46.697.099	2.590.000	33.108.243		2.257.597	33.108.243	1.600.636	for habitat creation
	r annigon marshes (west)	20-50	HTL	47,374,835	2,590,000	47,652,318		3,634,181	80,760,561	2,716,330	managed realignment
		50-100	MR partial	48.391.439		52.201.113		28.672.000	132,961,674	5,411,498	
5C16	Calshot Spit to Inchmery	0-20	NAI	652,603	392,438	462,696		.,,	462,696		Hold the Line for
		20-50	NAI	716,516	456,351	682,666			1,145,362		each epoch with no
		50-100	NAI	3,136,709	965,224	977,517	21,973		2,100,906		habitat creation
5C18	Salternshill to Park Shore	0-20	HTL	4,403,939	\vdash	3,122,393		4,299,644	3,122,393	3,048,448	MR for epoch for
	-	20-50 50-100	HTL MR	4,600,009 5,011,842	849.202	4,534,596 5.005,709	+	10,257,570 9,219,371	7,656,989 12,662,698	6,197,521 7.064,142	habitat creation managed realignment
5C20	Sowley to Elmer's Court	0-20	NAI	1,519,619	739,124	5,005,709 1,077,410	+	9,219,3/1	1,062,698	1,004,142	Hold the Line for
3020	Sowiey to Linier's Coult	20-50	NAI	1.875.848	783.155	1,653,295	1	1.993.600	2.730.705	612.035	each epoch with no
	<u> </u>	50-100	NAI	2,134,913	573,923	1,853,977		1,000,000	4,584,681	612,035	habitat creation
5C22	Lymington Yacht Haven to Saltgrass Lane	0-20	HTL (potential MR at Saltgrass Lane)	29,839,084	1,246,000	21,155,911		5,337,118	21,155,911	3,784,017	localised MR for epoch for habitat creation managed
		20-50	HTL (potential RTE Avon Water)	52,853,784	, ,,,,,,,	37,382,022		91,455,771	58,537,933	31,860,938	realignment
		50-100	HTL	89,308,831		45,777,053		23,495,007	104,314,986	34,069,469	I
5AHI02	Northney Farm	0-20	MR	1,353,925		959,933		448,000	959,933	317,632	MR for epoch for
		20-50	MR (HTRL)	6,859,752	1	3,065,877		3,752,000	4,025,809	1,469,496	habitat creation
E41110-		50-100	MR (HTRL)	15,895,054	776,560	4,560,012	+	2,240,000	8,585,821	1,680,056	managed realignment
5AHI03	Northney Farm to Mengham	0-20 20-50	HTL	8,458,084	1,610,000	5,996,782	+	5,864,736	5,996,782	4,158,098 7,056,422	MR for epoch for
		20-50 50-100	HTL MR	19,066,559 36,373,056	1.393.784	11,850,215 15,269,282	+	9,440,795 10,400,000	17,846,997 33,116,279	7,056,422 8,034,022	habitat creation managed realignment
5AHI08	West Lane (Stoke) to Langstone	30-100	HTL (potential MR	dcu,c1c,uc	1,393,704	15,269,262	1	10,400,000	33,110,279	0,034,022	localised MR for
5/41 1100	Bridge	0-20	West Northney & Stoke)	17,322,149		12,281,404		15,375,840	12,281,404	10,901,471	epoch for habitat creation managed
		20-50	HTL	27,956,362	1	20,864,007		3,263,040	33,145,410	11,903,224	realignment
		50-100	HTL	44,469,063		25,044,099		5,982,240	58,189,509	12,465,554	1

ANNEX H3: NAI EROSION-ONLY LOSSES

North Solent Shoreline Management Plan

				Residential		Co	ommercial	To	otal Res	idential & Comn	nercial				Agri	cultural Land	(ha)				Agr	icultural Land	(2)		
	Policy Unit	per epoch	Number of	Total CV value	PV	Number of Properties			ber of	Total CV value	PV	total CV per	total PV per PU	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total area of Agricultural Land Lost (ha)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total CV Cost o Agricultural Land Lost (£) per PU
5A01	Selsey West Beach to	0-20 20-50	Troperaco	Total Of Talac		Troperties	Tuide	. т	Citios	Total of Value		510,338	47,972	Grade 1	Grade 2	1.72	Grade 4	Grade 6	11.97	Grade :	uiuuc 2	13,869 31,608	0.000 4	u.uuc o	96,532
	Bracklesham (Medmerry)	50-100	2	510,338	47,972	+	-	2	,	510.338	47,972					6.33						51,056			
5A02	Bracklesham (Wedmerry)	0-20	2	510,338	361,830	+		2	_	510,338		58,902,566	10 404 166			3.07			29.38			24,754			236,919
07102	Bracklesham to East	20-50	83	21,179,027	6,501,961	2	198750			21,377,777	6,562,978	00,002,000	10,404,100			9.50			20.00			76,600			200,010
	Wittering	20-50 50-100	145	36,999,505	3,477,953		14945.65	1,405 14		37,014,451	3,479,358					9.50 16.81						135,566			
5A03		0-20										10,972,267	1,629,254			0.26			20.22			2,096			163,053
	East Wittering to	20-50	11	2,806,859	861,706			1		2,806,859	861,706					5.30						42,735			
	Cakeham	50-100	32	8,165,408	767,548			33	12	8,165,408	767,548					14.66						118,222			
5A04		0-20														1.36			8.11			10,966			65,400
	Cakeham (including East Head) to Ella Nore Lane	20-50 50-100				_										2.50 4.25						20,158 34,276			
5A05	Head) to Ella Nore Lane	0-20	_			+										4.23						34,270			
SAUS	Ella Nore Lane to	20-50																							
	Fishbourne	50-100																							
5A06		0-20																							
		20-50																							
	Fishbourne	50-100				1											1				ļ				
5A07	Fishbourne to west of	0-20 20-50	 			+	-								-	1	1	-	-		 	1	-	1	1
	Cobnor Point	50-100	1			1	-			-		 				1	1		1		1	1		1	1
5A08	JODINI I MIIL	0-20				+						 			 	-	 	 	1		 	-	 	-	+
	west of Cobnor Point to	20-50																							
	Chidham Point	50-100																							
5A09		0-20																							
	Chidham Point to Nutbourne	20-50 50-100																							
5A10	Nutbourne	0-20					_																		
JAIU		20-50																							
	Nutbourne	50-100																							
5A11		0-20																							
		20-50 50-100																							
5A12	Nutbourne to Prinsted	0-20	_			+																			
SAIZ		20-50																							
	Prinsted to Stanbury Point	50-100																							
5A13		0-20																							
	Stanbury Point to Marker Point	20-50 50-100																							
5A14	Point	0-20				+			_																
3/114	Marker Point to Wickor	20-50																							
	Point	50-100																							
5A15		0-20																							
	Wickor Point to Emsworth	20-50 50-100																							
5A16	Yacht Haven	0-20				+			_			255,169	22 086												
	Emsworth Yacht Haven to	20-50	1		l	1			- +			200,100	20,000			1					1	 		1	
	Maisemore Gardens	50-100	1	255,169	23,986			1	1	255,169	23,986														
5A17		0-20																							
	Maisemore Gardens to	20-50 50-100																							
5A18	Wade Lane	0-20	 			+	<u> </u>			+							1		1		+				1
	Wade Lane to Southmoor	20-50																							
	Lane	50-100																							
5A19		0-20																							
	Southmoor Lane to	20-50 50-100	-		ļ	1	 					 			 	-	1	 			-	-	 	-	
	Farlington Marshes (east) Farlington Marshes (east)	0-20	 		-	+	-			-						-	1		1		+	-		-	1
57120	to Farlington Marshes	20-50																							
	(west)	50-100																							
5A21		0-20 20-50				1																			
	Farlington Marshes (west) to Cador Drive	20-50 50-100	 			+	-								-	1	1	-	-		 	1	-	1	1
5A22	ro Cador Drive	0-20	1			+	1		-	+						1					 	1		1	1
		20-50 50-100					İ														İ				
	Cador Drive to A27																								
5A23	A	0-20 20-50		1.100.530	337.863	1	ļ		_	1.100.530	007.000	1,540,742	379,243								ļ				
	A27 to Fleetlands (MOD boundary)	20-50 50-100	5	1,100,530 440,212		1		5		1,100,530 440,212	337,863 41,380					-					-	-		-	
				770,212	,000	1			-	,	**,000					1			1		1	1		1	1

North Solent Shoreline Management Plan

				Residential		Ce	ommercial		Total Re	sidential & Com	mercial				Agri	cultural Land	(ha)				Agr	icultural Land	(2)		
	Policy Unit	per epoch	Number of Properties	Total CV value	PV	Number of Properties		PV	Number of Properties	Total CV value	PV	total CV per PU	total PV per PU	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total area of Agricultural Land Lost (ha)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total CV Cost of Agricultural Land Lost (£) per PU
5A24	Fleetlands (MOD	0-20																							
	Boundary) to Quay Lane	20-50 50-100																							
5A25	(MOD boundary) Quay Lane (MOD	0-20	-									4,934,250	463 930												
JAZJ	boundary) to Portsmouth	20-50										4,354,250	400,020												
	Harbour entrance (west)	20-50 50-100	31	4,563,541	428,973	3	370709.4	34,847	34	4,934,250	463,820														
5B01		0-20																							
	Portsmouth Harbour entrance to Gilkicker Point	20-50 50-100	-																						
5B02	entrance to Glikicker Point	0-20	+			+																			1
ODOL	Gilkicker Point to Lee-on-	20-50																							
	the-Solent	50-100																							
5B03	Lee-on-the-Solent to	0-20		000 400	07.570		,			****	07.570	2,191,267	252,862				0.08		0.47				511		3,030
	Meon Road, Titchfield Haven	20-50 50-100	1 8	220,106 1,760,848	67,573 165,520		4 210312.5	19 769	12	220,106 1,971,161	67,573 185,289						0.09						575 1,943		
5B04	Haveil	0-20		1,1.00,010	,			,		.,,	,	1,760,848	212,402		1.45	0.02	0.40		12.69		10,235	161	2,557		91,185
	Meon Road, Titchfield	20-50	1	220,106	67,573				1	220,106	67,573				2.42	0.59	0.54				17,081	4,757	3,452		
	Haven to Hook Park	50-100	7	1,540,742	144,830				7	1,540,742	144,830				4.12	2.24	0.90				29,108	18,086	5,747		
5C01	Hook Park to Warsash	0-20 20-50																							
	North	50-100				1	1																		
5C02		0-20															0.48		2.50				3,069		15,982
	Warsash North to	20-50															0.76						4,859		
5C03	Swanwick Shore Road	50-100 0-20	.														1.26 0.33		0.83				8,055 2,110		5.040
5003	Swanwick Shore Road to	20-50															0.19		0.83				1,215		5,848
	Bursledon Bridge	20-50 50-100														0.31	0.10					2,524	1,210		
5C04	Bursledon Bridge to	0-20										144,022	13,538	1.14	0.13	1.53	0.43	0.38	20.04	8,046	918	12,337	2,749	2,429	146,335
	Curbridge to Botley to	20-50 50-100					1 144021.7	40.500		144,022	13,538			1.84 3.11	0.20 0.33	2.47 4.22	0.91 1.74	0.60 1.01		12,987 21,951	1,412 2,329	19,916 34,026	5,818 11,124	3,836 6,457	
5C05	Satchell Marshes	0-20				-	1 144021.7	13,330		144,022	13,330			3.11	0.33	4.22	1.74	1.01		21,951	2,328	34,026	11,124	0,437	
3003	Satchell Marshes to	20-50 50-100																							
	Hamble Common Point																								
5C06		0-20																							
	Hamble Common Point to Hamble Oil Terminal	20-50 50-100	-																						
5C07	Hamble Oil Terminal	0-20	-																						
	Hamble Oil Terminal to	20-50																							
	Ensign Industrial Park	50-100																							
5C08	Ensign Industrial Park to	0-20 20-50	-																						
	Cliff House	50-100																							
5C09	Cim Flodoc	0-20																							
	Cliff House to Netley	20-50																							
	Castle	50-100	.																						
5C10	Netley Castle to Weston	0-20 20-50																							
	Point	50-100																							
5C11		0-20																							
	Weston Point to Woodmill	20-50 50-100																							
5C12	Lane	0-20	1			+	+ + +								 	 			1			-			1
30.2	Woodmill Lane to	20-50																							
	Redbridge	50-100																							1
5C13		0-20					1								 	1	-	-	1		1	 		-	1
	Lower Test Valley	20-50 50-100	1				 																		<u> </u>
5C14		0-20 20-50																	4.81						30,756
		20-50																							,
5045	Redbridge to Calshot Spit	50-100				1											4.81						30,756		
5C15		0-20 20-50	1			1	-																		
	Calshot Spit	50-100																							
5C16		0-20										2,145,070	201,637		0.44	0.73		0.22	11.71		3,106	5,886		1,406	82,544
	Only by College In the	20-50 50-100		2,081,320	195,644		4 62750	5,993	10	2,145,070	201 627				0.57 1.45	1.03 1.86		1.62 3.79			4,023 10,235	8,305 14,997		10,357 24,229	1
5C17	Calshot Spit to Inchmery	0-20	8	2,001,320	190,044		03/50	3,333	12	2,145,070	201,007				0.09	1.00	0.70	3.78	4.57		614	14,337	4,475	24,228	29,700
5517		20-50				1									0.22		1.11		57		1,553		7,096		25,700
	Inchmery to Salternshill	50-100													0.45		2.00				3,176		12,786		
5C18		0-20															0.42		2.65				2,685		16,941
	Salternshill to Park Shore	20-50 50-100				+	1										0.69 1.54	-			1		4,411 9,845	-	
5C19	Oditoribilii to Faik Office	0-20	 			+											1.04		0.79				0,010		5,576
	1	20-50													0.19						1,341 4,235				
	Park Shore to Sowley	50-100													0.60										

North Solent Shoreline Management Plan

				Residential		C	ommercial		Total Re	sidential & Com	nmercial			Agricultural Land (ha)							Agricultural Land (£)					
	Policy Unit	per epoch	Number of Properties	Total CV value	e PV	Number of Properties			Number of Properties	Total CV value	PV	total CV per	total PV per PU	Grade 1	Grade 2	Grade 3		Grade 5	Total area of Agricultural Land Lost (ha)	Grade 1	Grade 2	Grade 3		Grade 5	Total CV Cost of Agricultural Land Lost (£) per PU	
5C20		0-20													0.20				7.29		1,412				55,886	
	_	20-50													0.59						4,164				1	
	Sowley to Elmer's Court	50-100													2.09	4.41					14,752	35,558			1	
5C21		0-20																							1	
	Elmer's Court to	20-50																								
	Lymington Yacht Haven	50-100																								
5C22		0-20																							1	
	Lymington Yacht Haven	20-50																							1	
	to Saltgrass Lane	50-100									1														1	
5F01	-	0-20						1 1		İ	ĺ				İ	İ		İ							1	
		20-50																								
	Hurst Spit	50-100																								
5API01	Langstone Harbour	0-20										141,195	13,272												1	
	entrance (west) (harbour)	20-50																								
	to Portsmouth Harbour	50-100	1	141,19	5 13,272				1	141,195	13,272															
5API02	Langstone Harbour	0-20										268,750	82,506													
	entrance (west) (open	20-50				-	26875	0 82,506	1	268,750	82,506														1	
	coast) to Portsmouth	50-100																								
5AHI01		0-20																							1	
	Langstone Bridge to	20-50																								
	Northney Farm	50-100																							1	
5AHI02		0-20																							1	
		20-50																								
	Northney Farm	50-100																							1	
5AHI03		0-20																								
	Northney Farm to	20-50																								
	Mengham	50-100																								
5AHI04		0-20							•																	
	Mengham to Chichester	20-50																								
	Harbour entrance (west)	50-100																								
5AHI05		0-20							,			36,810,618	7,103,075													
	entrance (west) to	20-50	92		8 5,250,531				92	17,102,708	5,250,531															
	Langstone Harbour	50-100	103	19,147,59	7 1,799,874	4 9	560312.	5 52,669	112	19,707,910	1,852,543															
5AHI06	Langstone Harbour	0-20																								
	entrance (east) to North	20-50																								
	Shore Road, New Town	50-100																								
5AHI07	North Shore Road, New	0-20																								
	Town to West Lane	20-50																								
	(Stoke)	50-100																								
5AHI08		0-20							•																	
	West Lane (Stoke) to	20-50																								
	Langstone Bridge	50-100			1						1															

ANNEX H4: NAI FLOOD LOSSES

	Policy Unit								2007								
	-		Residential			Commercial		Total I	Residential & Com	mercial		1	Agricultui	ral Land (£)	I	Total CV value	
		Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total CV Value	
5A01	Selsey West Beach to																
	Bracklesham (Medmerry)	78	19,903,182	3,920,927	9	388,030	76,442	87	20,291,212	3,997,369		992,311	4,338,374	7,882		5,338,567	
5A02	Bracklesham to East Wittering	257	65,578,433	12,918,951	1	5,855	1.153	258	65.584.288	12,920,105		19,622	397,655			417.277	
5A03	East Wittering to											19,022				,	
5A04	Cakeham	51	13,013,619	2,563,683	2	43,125	8,496	53	13,056,744	2,572,179			181,622			181,622	
5AU4	Cakeham (including East Head) to Ella Nore Lane	14	3,572,366	703,756				14	3,572,366	703,756		75,199	444,070			519,269	
5A05	Ella Nore Lane to Fishbourne	65	16,585,985	3,267,439	15	744,701	146,706	80	17,330,686	3,414,145	336,116	635,528	425,734			1,397,378	
5A06	Fishbourne		10,000,000	0,207,400	10	744,701	140,700	00	17,550,000	0,414,140	254,098	3,247	420,104			257,345	
5A07	Fishbourne to west of																
5A08	Cobnor Point west of Cobnor Point to	43	10,972,267	2,161,537	2			45	10,972,267	2,161,537	502,691	84,205	220,608			807,504	
	Chidham Point										8,230	329,008				337,238	
5A09	Chidham Point to Nutbourne										16.869	115.897				132.766	
5A10	Nutbourne	3	765,507	150,805	1	34,868	6,869	4	800,375	157,674	3,529	110,001				3,529	
5A11		-															
5A12	Nutbourne to Prinsted	29	7,399,901	1,457,780	16	1,715,316	337,917	45	9,115,217	1,795,698	139,754	126,555		130,927		397,236	
	Prinsted to Stanbury Point				1			1				4,376		208,665		213,041	
5A13	Stanbury Point to Marker Point	5	1,275,845	251,341	1			6	1,275,845	251,341							
5A14	Marker Point to Wickor				·												
5A15	Point Wickor Point to Emsworth	159	40,571,871	7,992,659	2			161	40,571,871	7,992,659				3,452		3,452	
	Yacht Haven	50	12,758,450	2,513,415	5	232,065	45,717	55	12,990,515	2,559,131	86,676	32,962		536,175		655,813	
5A16	Emsworth Yacht Haven to Maisemore Gardens	246	45,731,154	9,009,037	17	859,258	169,274	263	46,590,412	9,178,311		2,541		6,265		8,806	
5A17	Maisemore Gardens to	240	40,701,104	3,003,037	17	000,200	103,214	200	40,030,412	3,170,311				0,200			
5A18	Wade Lane Wade Lane to Southmoor										64,075	5,950				70,025	
	Lane	101	18,775,799	3,698,832	31	19,995,209	3,939,056	132	38,771,008	7,637,889	230,608					230,608	
5A19	Southmoor Lane to																
	Farlington Marshes (east)	55	10,224,445	2,014,216	25	4,728,475	931,510	80	14,952,920	2,945,725	156,136					156,136	
5A20	Farlington Marshes (east) to Farlington Marshes																
	(west)	294	41,511,330	8,177,732	20	5,185,769	1,021,596	314	46,697,099	9,199,329							
5A21	Farlington Marshes (west) to Cador Drive	4,351	614,339,445	121,024,871	364	1,859,800,004	366,380,601	4,715	2,474,139,449	487,405,471		141				141	
5A22		4,001	014,000,440	121,024,071	304	1,000,000,004	300,300,001	4,710	2,474,100,440	407,400,471							
5A23	Cador Drive to A27 A27 to Fleetlands (MOD											52,711				52,711	
	boundary) `											3,466				3,466	
5A24	Fleetlands (MOD Boundary) to Quay Lane																
	(MOD boundary)																
5A25	Quay Lane (MOD																
	boundary) to Portsmouth								1			1		1		1	
5B01	Harbour entrance (west) Portsmouth Harbour	750	110,408,250	21,750,425	92	20,497,970	4,038,100	842	130,906,220	25,788,525							
3601	entrance to Gilkicker																
5B02	Point Gilkicker Point to Meon		1			1			 			 				+	
	Road, Titchfield Haven	110	16,193,210	3,190,062	3	107,887	21,254	113	16,301,097	3,211,316							
5B03	Meon Road, Titchfield Haven to Hook Park	53	11,665,618	2,298,127				53	11,665,618	2,298,127		91,003	61,336	394,546		546,885	
5C01	Hook Park to Warsash	33	11,000,010	2,230,127													
5C02	North Warsash North to				7	369,211	72,734	7	369,211	72,734		122,094	445,247	612,743		1,180,084	
	Swanwick Shore Road	9	1,980,954	390,248	2	139,130	27,409	11	2,120,084	417,657		<u> </u>		<u> </u>		<u> </u>	
5C03	Swanwick Shore Road to		2 424 460	476.070	14	1.016.100	377,489	25	4 227 250	954.450							
	Bursledon Bridge	11	2,421,166	476,970	14	1,916,190	377,489	25	4,337,356	854,459	l	1	l	1	l	1	

	Policy Unit				ī				2025	mmercial Agricultural Land (£)								
	}		Residential	I		Commercial	1	Total I	Residential & Com	mercial		1	Agricultur	al Land (£)		Total CV value		
		Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total CV Value		
5A01	Selsey West Beach to																	
	Bracklesham (Medmerry)	83	21,127,993	4,162,215	9	388,030	76,442	92	21,516,023	4,238,657		1,322,997	4,498,282	4,729		5,826,009		
5A02	Bracklesham to East																	
5A03	Wittering East Wittering to	445	113,448,137	22,349,283	2	38,731	7,630	446	113,486,868	22,356,913		157,307	683,736			841,043		
	Cakeham	97	24,751,393	4,876,024	6	246,717	48,603	103	24,998,110	4,924,628			238,819			238,819		
5A04	Cakeham (including East Head) to Ella Nore Lane	18	4,593,042	904,829				18	4,593,042	904,829		77,475	434,316			511,791		
5A05	Ella Nore Lane to Fishbourne	120	30,569,246	6,022,142	21	1,203,545	237,098	140	31,772,791	6,259,240	440,889	784,825	486,175			1,711,890		
5A06	Fishbourne	8	1,939,284	382,039	0		,,,,,,	8	1,939,284	382,039	304,720	17,476				322,197		
5A07	Fishbourne to west of					040.544	405 504						040.504					
5A08	Cobnor Point west of Cobnor Point to	246	62,720,540	12,355,946	14	840,514	165,581	260	63,561,055	12,521,528	984,310	153,619	249,564			1,387,493		
	Chidham Point	1	204,135	40,215				1	204,135	40,215	78,937	301,870				380,807		
5A09	Chidham Point to Nutbourne	14	3,572,366	703,756	1	91,250	17,976	15	3,663,616	721,732	134,912	123,774				258,686		
5A10	Nutbourne	18	4,644,076	914,883	3	158,988	31,321	21	4,803,064	946,204	20,384	395				20,780		
5A11	Nutbourne to Prinsted	46	11,686,740	2,302,288	19	1,924,536	379,134	65	13,611,276	2,681,421	158,142	128,334		130,007		416,483		
5A12		40	11,000,740	2,302,200		1,924,030	379,134		13,011,270	2,001,421	130,142							
5A13	Prinsted to Stanbury Point Stanbury Point to Marker		<u> </u>		1			1				4,037		207,054		211,091		
	Point	3	765,507	150,805	1			4	765,507	150,805								
5A14	Marker Point to Wickor Point	170	43,429,764	8,555,663	2			172	43,429,764	8,555,663				3.196		3.196		
5A15	Wickor Point to Emsworth					218.913	43,126	57			404.000	60.998		534.308		699,627		
5A16	Yacht Haven Emsworth Yacht Haven to	51	13,064,653	2,573,737	5	218,913	43,126	5/	13,283,566	2,616,862	104,322	60,998		534,308		699,627		
5A17	Maisemore Gardens Maisemore Gardens to	284	52,795,316	10,400,677	17	981,335	193,323	301	53,776,651	10,594,000		5,534		3,759		9,293		
5A17	Wade Lane										85,761	10,880				96,641		
5A18	Wade Lane to Southmoor Lane	108	20,114,272	3,962,512	31	19,410,186	3,823,807	140	39,524,458	7,786,318	295,099					295,099		
5A19		100	20,114,272	5,502,512	31	13,410,100	0,020,007	140	55,524,450	1,100,510	230,033					250,055		
	Southmoor Lane to Farlington Marshes (east)	65	12,009,075	2,365,788	23	4,588,258	903,887	88	16,597,333	3,269,675	230,110					230,110		
5A20	Farlington Marshes (east)	00	12,000,070	2,000,700	23	4,000,200	300,007	- 55	10,007,000	3,203,013	230,110					230,110		
	to Farlington Marshes (west)	299	42.189.066	8,311,246	20	5.185.769	1,021,596	319	47.374.835	9,332,842								
5A21	Farlington Marshes (west)		, ,						, , , , , , , , , , , , , , , , , , , ,									
5A22	to Cador Drive	4,975	702,501,603	138,392,816	406	1,208,378,137	238,050,493	5,381	1,910,879,740	376,443,309		3,823				3,823		
	Cador Drive to A27	0	88,042	17,344	1			1	88,042	17,344		115,519				115,519		
5A23	A27 to Fleetlands (MOD boundary)	137	30.198.543	5,949,113	30	13,662,786	2,691,569	168	43.861.329	8,640,682		14,914				14.914		
5A24	Fleetlands (MOD	107	30,130,043	0,040,110	30	10,002,700	2,031,003	100	40,001,023	0,040,002		14,514				14,514		
	Boundary) to Quay Lane (MOD boundary)																	
5A25	` '																	
	Quay Lane (MOD boundary) to Portsmouth																	
	Harbour entrance (west)	1,655	243,604,763	47,990,138	175	31,015,277	6,110,010	1,830	274,620,040	54,100,148								
5B01	Portsmouth Harbour entrance to Gilkicker																	
	Point	1	117,769	23,200				1	117,769	23,200								
5B02	Gilkicker Point to Meon Road, Titchfield Haven	226	33.269.686	6,554,128	6	237.350	46,758	232	33,507,036	6,600,886								
5B03	Meon Road, Titchfield						.,											
5C01	Haven to Hook Park Hook Park to Warsash	64	14,130,805	2,783,769	6	527,151	103,849	71	14,657,956	2,887,617		111,260	67,674	399,576		578,510		
	North	2	528,254	104,066	8	453,483	89,336	11	981,737	193,402	1,575	149,489	485,830	621,742		1,258,636		
5C02	Warsash North to Swanwick Shore Road	7	1,452,700	286,182	2	139,130	27,409	9	1,591,830	313,591								
5C03	Swanwick Shore Road to							-										
	Bursledon Bridge	16	3,477,675	685,102	16	2,095,103	412,735	31	5,572,778	1,097,837	I	I	l	l		ı		

	Policy Unit								2108/2115								I	I
	,		Residential			Commercial		Total	Residential & Com	nercial		1	Agricultur	al Land (£)	1	Total CV value of	Total CV value of	f Total PV Value
		Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Agricultural Land Lost £	Total CV value of Agricultural Land Lost £	of Agricultural Land Lost £
5A01	Selsey West Beach to Bracklesham (Medmerry)	90	22,965,210	4,524,146	9	388,030	76,442	99	23,353,240	4,600,588		1,819,027	4,738,144			6,557,172	17,721,747	3,491,184
5A02	Bracklesham to East Wittering	726	185,252,694	36.494.781	3	88.043	17.345	729	185.340.737	36,512,125		363,834	1,112,859			1,476,692	2,735,012	538,797
5A03	East Wittering to Cakeham	166	42,358,054	8,344,537	11	552,104	108,764	177	42,910,158	8,453,301		303,034	324,614			324,614	745,055	146,776
5A04	Cakeham (including East Head) to Ella Nore Lane	24	6,124,056	1,206,439		332,104	100,101	24	6,124,056	1,206,439		80,888	419,687			500,575	1,531,634	301,732
5A05	Ella Nore Lane to Fishbourne	202	51,544,138	10,154,195	29	1,891,810	372,687	231	53,435,948	10,526,882	598.049	1,008,771	576,837			2,183,657	5,292,924	1,042,706
5A06	Fishbourne	19	4,848,211	955,098	1	1,001,010		20	4,848,211	955,098	380,654	38,821	5.5,55			419,474	999,016	196,806
5A07	Fishbourne to west of Cobnor Point	550	140,342,950	27,647,561	32	2,101,286	413,953	582	142,444,236	28,061,514	1,706,737	257,741	292,998			2,257,476	4,452,473	877,137
5A08	west of Cobnor Point to Chidham Point	2	510,338	100,537				2	510,338	100,537	184,998	261,164				446,162	1,164,207	229,349
5A09	Chidham Point to Nutbourne	35	8,930,915	1,759,390	2	228,125	44,941	37	9,159,040	1,804,331	311,976	135,590				447,566	839,019	165,287
5A10 5A11	Nutbourne	41	10,461,929	2,061,000	5	345,167	67,998	46	10,807,096	2,128,998	45,667	988				46,655	70,964	13,980
5A11	Nutbourne to Prinsted	71	18,116,999	3,569,049	24	2,238,365	440,958	95	20,355,364	4,010,007	185,725	131,002		128,626		445,352	1,259,072	248,037
5A13	Prinsted to Stanbury Point Stanbury Point to Marker				1			1				3,529		204,638		208,167	632,299	124,563
	Point Marker Point to Wickor				4	765,507	150,805	4	765,507	150,805								
5A14	Point Wickor Point to Emsworth	187	47,716,603	9,400,171	2			189	47,716,603	9,400,171				2,813		2,813	9,462	1,864
5A15 5A16	Yacht Haven Emsworth Yacht Haven to	53	13,523,957	2,664,220	6	199,185	39,239	59	13,723,142	2,703,459	130,790	103,051		531,508		765,349	2,120,789	417,795
	Maisemore Gardens	341	63,391,559	12,488,137	17	1,164,450	229,397	358	64,556,009	12,717,534		10,023				10,023	28,122	5,540
5A17	Maisemore Gardens to Wade Lane										118,290	18,274				136,564	303,230	59,736
5A18	Wade Lane to Southmoor Lane	119	22,121,981	4,358,030	32	18,532,652	3,650,932	151	40,654,633	8,008,963	391,834					391,834	917,541	180,756
5A19	Southmoor Lane to Farlington Marshes (east)	79	14,686,021	2,893,146	20	4,377,932	862,453	99	19,063,953	3,755,599	341,071					341,071	727,317	143,281
5A20	Farlington Marshes (east) to Farlington Marshes (west)	306	43.205.670	8,511,517	20	5.185.769	1.021.596	326	48.391.439	9.533.113								
5A21	Farlington Marshes (west) to Cador Drive	5912	834,744,840	164,444,733	469	231,245,337	45,555,331	6381	1,065,990,177	210,000,065		9,345				9,345	13,309	2,622
5A22	Cador Drive to A27	1	220,106	43,361	2			3	220,106	43,361		209,730				209,730	377,960	74,458
5A23	A27 to Fleetlands (MOD boundary)	343	75.496.358	14,872,783	76	34.156.965	6.728.922	419	109.653.323	21,601,705		32.087				32.087	50.467	9.942
5A24	Fleetlands (MOD Boundary) to Quay Lane (MOD boundary)		.,,	, , , , , ,		, ,				, , , , , ,						. ,		-,,-
5A25	Quay Lane (MOD boundary) to Portsmouth Harbour entrance (west)	3012	443,399,532	87,349,708	300	46,791,237	9,217,874	3312	490,190,769	96,567,581								
5B01	Portsmouth Harbour entrance to Gilkicker Point	2	294,422	58,001	500	70,101,201	3,211,014	2	294,422	58,001								
5B02	Gilkicker Point to Meon Road, Titchfield Haven	400	58,884,400	11,600,227	10	431,546	85,015	410	59,315,946	11,685,241								
5B03	Meon Road, Titchfield Haven to Hook Park	81	17,828,586	3,512,231	16	1,317,878	259,622	97	19,146,464	3,771,853	3,939	190,581	546,705	635,240		1,376,464	2,501,859	492,866
5C01	Hook Park to Warsash North	6	1,320,636	260,165	10	579,891	114,239	16	1,900,527	374,404							2,438,720	480,428
5C02	Warsash North to Swanwick Shore Road	3	660,318	130,083	3	139,130	27,409	6	799,448	157,491				122,111		122,111	122,111	24,056
5C03	Swanwick Shore Road to Bursledon Bridge	23	5,062,438	997,300	18	2,363,473	465,604	41	7,425,911	1,462,904				48,279		48,279	48,279	9,511

	Policy Unit								2007							
	-		Residential	T		Commercial		Total F	Residential & Com	mercial			Agricultur	al Land (£)	1	T
		Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total CV value
5C04	Bursledon Bridge to Curbridge to Botley to				-											
5C05	Satchell Marshes Satchell Marshes to	3	644,721	127,010	10	1,345,655	265,094	13	1,990,376	392,104				99,966		99,966
	Hamble Common Point	9	1,934,163	381,030	18	399,718	78,744	27	2,333,881	459,774				42,519		42,519
5C06	Hamble Common Point to Hamble Oil Terminal				54	6,229,096	1,227,132	54	6,229,096	1,227,132	110,745	11,364	203,594	43,536	93,912	463,151
5C07	Hamble Oil Terminal to Ensign Industrial Park															
5C08	Ensign Industrial Park to Cliff House															
5C09	Cliff House to Netley Castle	9	1,934,163	381,030				9	1,934,163	381,030						
5C10	Netley Castle to Weston Point	191	30,600,874	6,028,372				191	30,600,874	6,028,372						1
5C11	Weston Point to Woodmill					45 400 000	0.000.407									
5C12	Lane Woodmill Lane to	235	37,650,290	7,417,107	61	15,190,338	2,992,497	296	52,840,628	10,409,604						+
5C13	Redbridge	1,283	205,554,562	40,494,249	581	226,922,852	44,703,802	1,864	432,477,414	85,198,051						
5C14	Lower Test Valley															
5C15	Redbridge to Calshot Spit	566	147,253,390	29,008,918	214	44,802,702	8,826,132	780	192,056,092	37,835,050					070.040	070.040
5C16	Calshot Spit	1	260.165	E4 0E2				1	260.165	E4 0E2			2.011	200 527	879,616	879,616
5C17	Calshot Spit to Inchmery Inchmery to Salternshill	1	260,165 260,165	51,253 51,253				1	260,165 260,165	51,253 51,253			2,911 653	389,527		392,438 653
5C18	Salternshill to Park Shore	16	4,162,640	820,040	1			17	4,162,640	820,040		28,939	3,951		208,409	241,299
5C19	Park Shore to Sowley	9	2,341,485	461,273				9	2,341,485	461,273		35,997	5,00	89,885		125,882
5C20	Sowley to Elmer's Court	3	780,495	153,758				3	780,495	153,758			57.893	681,230		739,124
5C21	Elmer's Court to Lymington Yacht Haven	70	18,211,550	3,587,675	22	1,980,964	390,250	92	20,192,514	3,977,925		122,320		33.,233		122,320
5C22	Lymington Yacht Haven to Saltgrass Lane	109	28,357,985	5,586,523	23	1,177,736	232,014	132	29,535,721	5,818,537		87,593	215,770			303,363
5F01	Hurst Spit	61	15,870,065	3,126,403	7	373,783	73,635	68	16,243,848	3,200,038		45,928	324,171	98,189		468,288
5API01	Langstone Harbour entrance (west) (harbour) to Portsmouth Harbour entrance (east)	5,181	731,531,295	144,111,665	607	231,873,451	45,679,070	5,788	963,404,746	189,790,735		1,147,078		352,934	452,491	1,952,504
5API02	entrance (west) (open coast) to Portsmouth Harbour entrance (east)	5,028	709,928,460	139,855,907	404	45,014,907	8,867,937	5,432	754,943,367	148,723,843						
5AHI01	Langstone Bridge to Northney Farm	48	8,923,152	1,757,861	12	695,252	136,965	60	9,618,404	1,894,826		67,597			229,302	296,899
5AHI02	Northney Farm	7	1,301,293	256,355	1	52,632	10,368	8	1,353,925	266,723						
5AHI03	Northney Farm to Mengham	38	7,064,162	1,391,640	8	1,393,922	274,603	46	8,458,084	1,666,243						
5AHI04	Mengham to Chichester Harbour entrance (west)	504	93,693,096	18,457,540	4	134,868	26,569	508	93,827,964	18,484,109						
5AHI05	Chichester Harbour entrance (west) to		55,550,050	10,107,040		10 1,000	20,000	500	55,521,504	10,104,100						
	Langstone Harbour entrance (east)	501	93,135,399	18,347,674	32	1,526,783	300,776	533	94,662,182	18,648,450						
5AHI06	Langstone Harbour entrance (east) to North Shore Road, New Town	66	12,269,334	2,417,059	1			67	12,269,334	2,417,059	120,697	349,950				470,647
5AHI07	North Shore Road, New Town to West Lane (Stoke)	30	5,576,970	1,098,663	1	5,600	1,103	31	5,582,570	1,099,766		272,591		552,093		824,684
5AHI08	West Lane (Stoke) to Langstone Bridge	89	16,545,011	3,259,367	2	775,493	152,772	91	17,320,504	3,412,139		1,645				1,645

North Solent Shoreline Management Plan

Appendix H Economic Appraisal and Sensitivity Testing

	Policy Unit								2025							
			Residential			Commercial	1	Total I	Residential & Com	mercial		П	Agricultur	al Land (£)	1	Total CV value
		Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total CV value
5C04	Bursledon Bridge to Curbridge to Botley to	•														
5C05	Satchell Marshes Satchell Marshes to	13	2,707,828	533,442	17	807,393	159,056	29	3,515,221	692,499				108,824		108,824
	Hamble Common Point	8	1,676,275	330,226	17	386,022	76,046	25	2,062,296	406,272				44,823		44,823
5C06	Hamble Common Point to Hamble Oil Terminal				45	5,686,773	1,120,294	45	5,686,773	1,120,294	137,566	13,397	237,427	60,260	105,726	554,376
5C07	Hamble Oil Terminal to Ensign Industrial Park				4	704,130	138,714	4	704,130	138,714						
5C08	Ensign Industrial Park to Cliff House															
5C09	Cliff House to Netley Castle	21	4.427.084	872.136				21	4.427.084	872,136						
5C10	Netley Castle to Weston Point	134	21,500,719	4,235,642				134	21.500.719	4.235.642						
5C11	Weston Point to Woodmill		71,487,487		0.4	40.047.404	2 000 005		,,							
5C12	Lane Woodmill Lane to	446		14,083,035	84	19,847,184	3,909,895	530	91,334,671	17,992,930						
5C13	Redbridge	2,502	400,887,471	78,974,832	838	1,870,801,433	368,547,882	3,340	2,271,688,903	447,522,714						
5C14	Lower Test Valley Redbridge to Calshot Spit	810	210,629,584	41,494,028	237	46,686,542	9,197,249		057.040.400	50.004.077						
5C15	Calshot Spit	810	210,629,584	41,494,028	231	46,686,542	9,197,249	1,046	257,316,126	50,691,277					945,828	945,828
5C16	Calshot Spit to Inchmery	1	260,165	51,253				1	260,165	51,253			3,411	452,940	0.10,020	456,351
5C17	Inchmery to Salternshill	15	3,798,409	748,287	2	276,413	54,453	17	4,074,822	802,740			947	402,340		947
5C18	Salternshill to Park Shore	16	4,162,640	820,040	1	=. 5,	- 1, 100	17	4,162,640	820,040		57,709	30,172		349,489	437,369
5C19	Park Shore to Sowley	12	3,174,013	625,281				12	3,174,013	625,281		55,139		152,612		207,751
5C20	Sowley to Elmer's Court	4	1,092,693	215,261				4	1,092,693	215,261		113	74,245	708,797		783,155
5C21	Elmer's Court to Lymington Yacht Haven	192	49,951,680	9,840,481	34	3,622,076	713,549	226	53,573,756	10,554,030		180,085	,=			180,085
5C22	Lymington Yacht Haven to Saltgrass Lane	197	51,252,505	10,096,743	23	1,189,692	234,369	220	52,442,197	10,331,113		135,279	276,308			411,587
5F01	Hurst Spit	85	22,114,025	4,356,463	17	907,058	178,690	102	23,021,083	4,535,153		55,765	328,363	58,913		443,042
5API01	Langstone Harbour entrance (west) (harbour) to Portsmouth Harbour entrance (east)	8,052	1,136,930,379	223,975,285	719	252,316,915	49,706,432	8,771	1,389,247,294	273,681,717		1,452,589		397,933	323,748	2,174,270
5API02	Langstone Harbour entrance (west) (open coast) to Portsmouth Harbour entrance (east)	6,632	936,461,718	184,482,958	519	58,023,845	11,430,697	7,151	994,485,563	195,913,656						
5AHI01	Langstone Bridge to Northney Farm	56	10,410,344	2,050,838	19	1,351,144	266,175	75	11,761,488	2,317,013		74,167			137,581	211,748
5AHI02	Northney Farm	37	6,803,903	1,340,369	2	55,849	11,002	39	6,859,752	1,351,371						
5AHI03	Northney Farm to Mengham	95	17,697,585	3,486,424	8	1,368,974	269,688	103	19.066.559	3,756,112						
5AHI04	Mengham to Chichester Harbour entrance (west)	694	129,013,906	25,415,739	7	184,700	36,386	701	129,198,606	25,452,125						
5AHI05	Chichester Harbour entrance (west) to Langstone Harbour															
5AHI06	entrance (east) Langstone Harbour entrance (east) to North Shore Road, New Town	626 90	116,409,954 16,805,270	22,932,761 3,310,638	34	1,533,158	302,032	660 91	117,943,112 16,805,270	23,234,793 3,310,638	226,066	366,946				593,012
5AHI07	North Shore Road, New Town to West Lane (Stoke)	53	9,815,467	1,933,647	1	5,600	1,103	54	9,821,067	1,934,750		468,289		584,035		1,052,324
5AHI08	West Lane (Stoke) to Langstone Bridge	146	27,178,434	5,354,151	3	775,493	152,772	149	27,953,927	5,506,924		2,435				2,435

North Solent Shoreline Management Plan

Appendix H Economic Appraisal and Sensitivity Testing

	Policy Unit								2108/2115								T	, ,
	Policy Unit		Residential			Commercial		Total	Residential & Comr	nercial			Agricultur	al Land (£)				į l
		Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Number of Properties	Total CV value	PV	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total CV value of Agricultural Land Lost £	Total CV value of Agricultural Land Lost £	Total PV Value of Agricultural Land Lost £
5C04	Bursledon Bridge to Curbridge to Botley to Satchell Marshes	27	5,802,489	1,143,090	27			54	5,802,489	1,143,090	177,798	16,446	288,177	85,346	123,447	691,214	900,004	177,301
5C05	Satchell Marshes to Hamble Common Point	6	1,289,442	254,020	15	365.478	71.999	21	1.654.920	326.019	177,750	10,440	200,177	00,040	120,447	031,214	87,343	17,207
5C06	Hamble Common Point to Hamble Oil Terminal		1,200,442	204,020	32	4,873,289	960,038	32	4,873,289	960,038							1,017,527	200,453
5C07	Hamble Oil Terminal to Ensign Industrial Park				11	1,760,326	346,784	11	1,760,326	346,784							1,017,027	200,400
5C08	Ensign Industrial Park to Cliff House				''	1,700,320	340,704		1,700,320	340,704								
5C09	Cliff House to Netley Castle	38	8.166.466	1.608.794				38	8,166,466	1,608,794								
5C10	Netley Castle to Weston Point	49	7,850,486	1,546,546				49	7,850,486	1,546,546								
5C11	Weston Point to Woodmill Lane	763	122,243,282	24,081,927	119	26,832,454	5,285,993	882	149,075,736	29,367,920								
5C12	Woodmill Lane to Redbridge	4331	693,886,834	136,695,706	1224	4,336,619,304	854,314,003	5555	5,030,506,138	991,009,709								
5C13	Lower Test Valley														1,045,148	1,045,148	1,045,148	205,894
5C14	Redbridge to Calshot Spit	1175	305,693,875	60,221,693	271	49,512,301	9,753,923	1446	355,206,176	69,975,617			4,161	548,059		552,220	552,220	108,787
5C15	Calshot Spit												1,387			1,387	1,826,831	359,886
5C16	Calshot Spit to Inchmery	1	260,165	51,253				1	260,165	51,253		100,863	69,504		561,107	731,474	1,580,264	311,312
5C17	Inchmery to Salternshill	35	9,105,775	1,793,838	5	691,033	136,133	40	9,796,808	1,929,971		83,852		246,703		330,556	332,155	65,435
5C18	Salternshill to Park Shore	16	4,162,640	820,040	1			17	4,162,640	820,040		282	98,773	750,146		849,202	1,527,871	300,991
5C19	Park Shore to Sowley	17	4,422,805	871,293				17	4,422,805	871,293		266,733				266,733	600,366	118,272
5C20 5C21	Sowley to Elmer's Court Elmer's Court to	6	1,560,990	307,515				6	1,560,990	307,515		206,808	367,115			573,923	2,096,201	412,952
5C22	Lymington Yacht Haven Lymington Yacht Haven	375	97,561,875	19,219,689	52	6,083,743	1,198,497	427	103,645,618	20,418,187		70,519	334,653			405,172	707,577	139,393
5F01	to Saltgrass Lane	329	85,594,285	16,862,074	24	1,207,627	237,903	353	86,801,912	17,099,977		1,910,855		465,431	130,633	2,506,919	3,221,869	634,708
5API01	Hurst Spit Langstone Harbour	121	31,479,965	6,201,553	32	1,706,970	336,273	153	33,186,935	6,537,826		84,022				84,022	995,351	196,084
5API02	entrance (west) (harbour) to Portsmouth Harbour entrance (east) Langstone Harbour	12359	1,745,029,005	343,770,714	886	282,982,112	55,747,476	13245	2,028,011,117	399,518,190							4,126,773	812,974
	entrance (west) (open coast) to Portsmouth Harbour entrance (east)	9039	1,276,261,605	251,423,536	691	77,537,251	15,274,838	9730	1,353,798,856	266,698,375								
5AHI01	Langstone Bridge to Northney Farm	68	12,641,132	2,490,303	29	2,334,983	459,992	97	14,976,115	2,950,295	78,629	308,165				386,794	895,441	176,402
5AHI02	Northney Farm	81	15,057,819	2,966,390	4	60,675	11,953	85	15,118,494	2,978,343	384,119	392,441				776,560	776,560	152,982
5AHI03	Northney Farm to Mengham	181	33,647,719	6,628,601	8	1,331,553	262,316	189	34,979,272	6,890,917		761,836		631,947		1,393,784	1,393,784	274,575
5AHI04	Mengham to Chichester Harbour entrance (west)	979	181,995,121	35,853,039	11	259,447	51,111	990	182,254,568	35,904,150		3,621				3,621	3,621	713
5AHI05	Chichester Harbour entrance (west) to Langstone Harbour entrance (east)	814	151,321,786	29,810,392	36	1,542,721	303,916	850	152,864,507	30,114,308								
5AHI07	Langstone Harbour entrance (east) to North Shore Road, New Town North Shore Road, New	127	23,609,173	4,651,007	1			128	23,609,173	4,651,007		494				494	1,064,153	209,638
5AHI07	Town to West Lane (Stoke) West Lane (Stoke) to	87	16,173,213	3,186,123	1	5,600	1,103	88	16,178,813	3,187,226		248,572				248,572	2,125,580	418,739
JAHIUS	Langstone Bridge	232	43,128,568	8,496,328	4	775,493	152,772	236	43,904,061	8,649,100	326,001	239,001				565,002	569,082	112,109

EXPLANATIONS OF COLUMN HEADINGS FOR DEFENCE WORK COSTS AND SENSITIVITY TESTING DEFENCE WORK COSTS TABLES

а	Policy Unit	These relate to the shoreline frontages defined in main SMP document
b	Epoch	These relate to time periods used for policy setting (0-20 yrs; 20-50 yrs; 50-100 yrs)
С	Notes	Additional information on assumptions made
d	Replacement Length (B, L,	The length of shoreline (km) over which certain defence replacement activities are
	G)	required during each epoch. B = beach schemes; L=linear defences; G=groynes or
		lower cost protection measures
е	Replacement Costs (£)	The cost of providing the replacement works in (d) during each epoch
f	Maintenance Length	The length of shoreline (km) over which certain maintenance activities are required
	(B, L, G)	during each epoch. B = beach schemes; L=linear defences; G=groynes or lower cost
		protection measures
g	Maintenance Costs (£)	The cost of providing the maintenance works in (f) during each epoch
h	Transitional freshwater	The cost of creating transitional freshwater compensation habitat (includes secondary
	habitat creation (£/hectare)	defences)
i	Offsetting HTL coastal	The cost of offsetting coastal squeeze caused by proposed HTL
	squeeze (£/km of defence)	
j	Habitat creation costs (£)	The total cost of creating compensation habitat. Total of (h + i)
k	Total Cost (£m)	The total replacement, maintenance and habitat creation costs for epoch. This is the
		sum of (e + g + j)
I	Total with Optimism Bias	Optimism bias (at 60%) applied to all costs when examining viability, to reflect
	(£m)	uncertainty in broad level analysis at SMP scale
m	Final Total (cumulative)	The cumulative total costs (including optimism bias)
	(£m)	
n	PV Costs: Replacement	The Present Value of the costs of providing the Preferred Plan, in terms of replacement
	(£m)	works. i.e. the values from (e) discounted to reflect timing of activities. This is a
		cumulative measure

0	PV Costs: Maintenance (£m)	The Present Value of the costs of providing the Preferred Plan, in terms of maintenance works. i.e. the values from (g) discounted to reflect timing of activities. This is a cumulative measure
р	PV Costs: Habitat Creation (£)	The Present Value of the costs of providing the Preferred Plan, in terms of habitat creation works. i.e. values from (j) discounted to reflect timing of activities. This is a cumulative measure
q	PV Cost: cumulative total (£m)	The sum of (n + o + p) per epoch
r	PV Cost: total (£m) per Policy Unit	The sum of (q) per policy unit

ANNEX H5: DEFENCE WORK COSTS

_	a	ь	l c l		d		e		,		h			k		m	n	0			
	d		· ·		u		e			g	transitional	offsetting	,				- "	U	Р	q	PV Cost: total (£m)
											freshwater habitat	HTL coastal squeeze	Habitat		Total with	Final Total					per Policy Unit
							Replacement	Maintena	nce Length (B,	Maintenance	Creation	(£/km of	Creation	Total Cost	Optimism Bias	(cumulative)	PV Costs:	PV Costs:	PV Costs: Habitat	PV Cost: cumulative total	4
	Policy Unit	Epoch	Notes	Replacen	nent Length	(B, L, G)	Costs (£)		L, G)	Costs (£)	(£/hectare)	defence)	Costs £	(£m)	(£m)	(£m)	Replacement (£m)		Creation (£)	(m2)	
						lacement	T	ļ	Maintenand ength	e					Total Cost	T		Р	V Costs	1	Cumulative PV Total
					Length		-		engtn		Transitional	Offsetting								-	
											freshwater	HTL coastal									
											habitat Creation	squeeze (£/km of	Habitat Creation		With Optimism	Cumulative					
	Policy Unit	Epoch	Notes	В	L	G	Costs	B L	G	Costs	(£/hectare)	defence)	Costs £	Total Cost	Bias	Total	Replacement	Maintenance	Habitat Creation	Cumulative PV Total	
5A01			MR (localised HTL																		35,687,300
			Medmerry																		
	O-I W B 4-	0-20	Cliffs)		-		40 500 000	5		4 000 000				44 500 000	00 000 000	40 000 000	0 574 500	700 000		40,000,500	
	Selsey West Beach to Bracklesham	20-50	HTL		1		13,500,000 4,050,000	5		1,000,000 2,250,000				14,500,000 6,300,000	23,200,000	49,920,000	9,571,500 1,243,350	709,000 690,750		10,280,500 12,214,600	+
	(Medmerry)	50-100	HTL		1		5,400,000	5		5,000,000				10,400,000	16,640,000		507,600	470,000		13,192,200	
5A02	Bracklesham to East	0-20 20-50	HTL HTL		3.34	3.36 3.36	11,032,890 3.023,540	0.06 3.3		1,365,494 3,072,361		701,338 701,338	701,338 701,338	13,099,721 6,797,238	20,959,554	50,331,443	7,822,319 928,227	968,135 943,215	497,248 215,311	9,287,702 11,374,454	33,123,269
	Wittering	50-100	HTL			3.36	4,031,386	0.06 3.3	4 3.36	6,827,469		701,338	701,338	11,560,193	18,496,308		378,950	641,782	65,926	12,461,112	
5A03	East Wittering to	0-20 20-50	HTL HTL		1.48	1.54	925,004 7,393,725	1.4		604,603 1,354,500		311,434 308,700	311,434 308,700	1,841,041 9,056,925	2,945,666 14,491,080	25,706,680	655,828 2,269,874	428,664 415,832	220,806 94,771	1,305,298 4,085,774	9,962,705
	Cakeham	50-100	HTL			1.54	1,850,009	1.4	7 1.54	3,010,000		308,700	308,700	5,168,709	8,269,934		173,901	282,940	29,018	4,571,633	†
5A04	Cakeham (including East Head) to Ella	0-20 20-50	AM AM	0.50	1.70	1.12	5,259,418 4,829,128	1.70 1.7		1,242,663 2,795,991		357,000 357,000	357,000 357,000	6,859,081 7,982,118	10,974,530 12,771,390	30,972,635	3,728,928 1,482,542	881,048 858,369	253,113 109,599	4,863,088 7,313,599	19,914,856
	Nore Lane	50-100	AM	0.50		1.12	1,344,000	1.70 1.7		2,815,697		357,000	357,000	4,516,697	7,226,716		126,336	264,676	33,558	7,738,168	1
5A05		0-20	HTL (NPFA)		6.82		18,414,000	6.8		1,364,000		1,432,200	1,432,200	21,210,200	33,936,320	54,341,760	13,055,526	967,076	1,015,430	15,038,032	48,653,539
		20-50	HTL (NPFA)					6.8	2	3,069,000		1,432,200	1,432,200	4,501,200	7,201,920			942,183	439,685	16,419,900	-
			HTL (NPFA)																		
	Ella Nore Lane to Fishbourne	50-100	(localised MR Horse Pond)					6.8	,	6,820,000		1,432,200	1,432,200	8,252,200	13,203,520			641 080	134,627	17,195,607	
5A06	rianocume	0-20	HTL (NPFA)		1.50		4,050,000	1.5	0	300,000		315,000	315,000	4,665,000	7,464,000		2,871,450	212,700	223,335	3,307,485	10,700,925
	Fishbourne	20-50 50-100	HTL (NPFA)					1.5		675,000 1,500,000		315,000 315,000	315,000 315,000	990,000 1,815,000	1,584,000 2,904,000	11,952,000		207,225	96,705 29,610	3,611,415 3,782,025	4
5A07	risnoourne	50-100	HTL (NPFA)					1.)	1,500,000		315,000	315,000	1,815,000	2,904,000	11,952,000		141,000	29,610	3,782,025	69,340,603
			(localised MR																		
		0-20	East Chidham)		9.72		26,244,000	9.7	2	1.943.800		2.040.990	2.040.990	30,228,790	48,366,064	77,445,312	18,606,996	1.378.154	1.447.062	21,432,212	
	Fishbourne to west of		HTL (NPFA)					9.7	2	4,373,550		2,040,990	2,040,990	6,414,540	10,263,264	7 - 77	.,,	1,342,680	626,584	23,401,476	1
5A08	Cobnor Point	50-100 0-20	HTL (NPFA) MR (NPFA)					9.7	2	9,719,000 400,000		2,040,990	2,040,990	11,759,990 400,000	18,815,984 640,000	5,280,000		913,586 283,600	191,853	24,506,915 283,600	1,591,400
07100	west of Cobnor Point	20-50	HTL (NPFA)					2		900,000				900,000	1,440,000	0,200,000		276,300		559,900	1,001,400
5A09	to Chidham Point	50-100 0-20	HTL (NPFA) HTL (NPFA)		0.86		2,322,000	0.8		2,000,000 171,075		179,629	179,629	2,000,000 2,672,705	3,200,000 4,276,327	6,835,616	1,646,298	188,000 121,292	127,357	747,900 1,894,948	6.128.766
SAUS	Chidham Point to	20-50	HTL (NPFA)		0.00		2,022,000	3.0	6	384,920		179,629	179,629	564,549	903,278	0,000,010	1,040,200	118,170	55,146	2,068,264	0,120,700
5A10	Nutbourne	50-100 0-20	HTL (NPFA)		1.6		4,320,000	0.8		855,377 320,000		179,629 336,000	179,629 336,000	1,035,006 4,976,000	1,656,010 7,961,600		3,062,880	80,405 226,880	16,885 238,224	2,165,555 3,527,984	11,414,320
SAIU		20-50	HTL (NPFA)		1.0		4,320,000	1.		720,000		336,000	336,000	1,056,000	1,689,600		3,062,660	221,040	103,152	3,852,176	11,414,320
5A11	Nutbourne	50-100 0-20	HTL (NPFA)		1.26		3,391,338	1.	3	1,600,000 251,210		336,000 263,771	336,000 263,771	1,936,000	3,097,600 6,250,111	12,748,800 10,008,216	2,404,459	150,400 178,108	31,584 187,013	4,034,160 2,769,580	8,960,607
SALL		20-50	HTL		1.20		3,391,338	1.2		565,223		263,771	263,771	828,994	1,326,390	10,008,216	2,404,459	173,523	80,978	3,024,082	8,960,607
	Nutbourne to Prinsted		HTL					1.2		1,256,051		263,771	263,771	1,519,822	2,431,715			118,069	24,794	3,166,945	
5A12	Prinsted to Stanbury	0-20 20-50	HTL HTL		1.27	1	3,427,599	1.2		253,896 571,267		266,591 266,591	266,591 266,591	3,948,087 837,858	6,316,939 1,340,572	9,688,681	2,430,168	180,012 175,379	189,013 81,843	2,799,194 3,056,416	9,031,356
	Point	50-100	HTL					1.2	7	1,269,481				1,269,481	2,031,170			119,331		3,175,747	1
5A13	Stanbury Point to	0-20 20-50	HTL HTL		2.18	1	5,886,000	2.1		436,000 981,000	-	457,800 457,800	457,800 457,800	6,779,800 1,438,800	10,847,680 2,302,080	17,370,240	4,173,174	309,124 301,167	324,580 140,545	4,806,878 5,248,590	15,552,011
L	Marker Point	50-100	HTL					2.1	8	2,180,000		457,800	457,800	2,637,800	4,220,480			204,920	43,033	5,496,543	1
5A14	Marker Point to	0-20 20-50	HTL HTI		2	1	5,400,000	2		400,000 900,000		420,000 420,000	420,000 420,000	6,220,000	9,952,000	15,936,000	3,828,600	283,600 276,300	297,780 128,940	4,409,980 4,815,220	14,267,900
	Wickor Point to	50-100	HTL			1	1	2		2,000,000		420,000	420,000	2,420,000	3,872,000		 	188,000	128,940 39,480	4,815,220 5,042,700	†
5A15	Wickor Point to	0-20	HTL		1.53		4,122,361	1.5	3	305,360		320,628		4,427,721	7,084,354	11,139,535	2,922,754	216,500		3,139,254	10,180,003
	Emsworth Yacht Haven	20-50 50-100	HTL HTL			1	+	1.5 1.5		687,060 1,526,800	-	320,628	320,628	1,007,688 1,526,800	1,612,301 2,442,881		 	210,927 143,519	98,433	3,448,615 3,592,134	+
5A16	Emsworth Yacht	0-20	HTL		2.98		8,056,952	2.9	8	596,811		626,652	626,652	9,280,415	14,848,664	23,776,960	5,712,379	423,139	444,296	6,579,814	21,288,108
	Haven to Maisemore Gardens	20-50 50-100	HTL HTL			1	+	2.9		1,342,825 2,984,056		626,652 626,652	626,652 626,652	1,969,477 3,610,708	3,151,163 5,777,133			412,247 280,501	192,382 58.905	7,184,444 7,523,850	4
5A17		0-20	HTL		1.43		3,865,925	1.4	3	286,365		300,683	300,683	4,452,973	7,124,757	11,408,775		203,033	213,184	416,217	4,365,417
	Maisemore Gardens to Wade Lane	20-50 50-100	HTL*			-	1	1.4		644,321 1 431 824	-	300,683	300,683	945,004	1,512,006		1,186,839	197,807 134,591	92,310 28,264	1,893,172 2.056.028	4
5A18	.o wade Laife	0-20	HTL		3.19		8,618,340	3.1		638,396		670,315	670,315	9,927,051	15,883,282	27,228,879	6,110,403	452,622	475,254	7,038,279	23,082,798
	Wade Lane to Southmoor Lane	20-50 50-100	HTL*					3.7		1,706,390 3,791,978		796,315 796,315	796,315 796,315	2,502,705 4.588.293	4,004,329 7,341,269			523,862 356,446	244,469 74,854	7,806,610 8,237,909	4
5A19	Southmoor Lane to	0-20	HTL		2.90	1	7,830,000	2.9	0	580,000		796,315 609,000	796,315 609,000	9,019,000	14,430,400	23,107,200	5,551,470	411,220	431,781	6,394,471	20,688,455
	Farlington Marshes	20-50	HTL					2.9	0	1,305,000		609,000	609,000	1,914,000	3,062,400			400,635	186,963	6,982,069	1
	(east)	50-100	HTL			1	1	2.9	V I	2,900,000		609,000	609,000	3,509,000	5,614,400	1	1	272,600	57,246	7,311,915	1

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	a	D	Ü		u		e		<u>'</u>	y	transitional	offsetting							Р	Ч	PV Cost: total (£m)
											freshwater	HTL coastal									per Policy Unit
							Replacement	Maintanana	e Length (B,	Maintenance	habitat Creation	squeeze (£/km of	Habitat Creation	Total Cost	Total with Optimism Bias	Final Total (cumulative)	PV Costs:	PV Costs:	DV 01 H-11-1	PV Cost: cumulative tota	
	Policy Unit	Epoch	Notes	Replacer	ment Length	(B. L. G)	Costs (£)		G)	Costs (£)	(£/hectare)	defence)	Costs £	(£m)	(£m)	(£m)	Replacement (£m)		Creation (£)	(£m)	31
	Toney out	- Lpoon	140100	порисс		acement	00010 (2)	-,	Maintenanc		(Encotare)	derender	00010 2	(2)	Total Cost	\2/	nepiacement (£m)		V Costs	(2)	Cumulative PV
					Length	accinicin		Lei	ngth	Ĭ					10141 0001				. 00010		Total
											Transitional	Offsetting									
											freshwater habitat	HTL coastal squeeze	Habitat								
											Creation	(£/km of	Creation		With Optimism	Cumulative					
	Policy Unit	Epoch	Notes	В	L	G	Costs	B L	G	Costs	(£/hectare)	defence)	Costs £	Total Cost	Bias	Total	Replacement	Maintenance	Habitat Creation	Cumulative PV Total	
5A20		0-20	HTL		3.44		9,288,000	3.44		688,292		722,706	722,706	10,698,998	17,118,397	21,945,617	6,585,192	487,999	512,399	7,585,590	24,221,477
	(east) to Farlington Marshes (west)	20-50 50-100	HTL*					3.44		1,548,657 22,943		722,706 722,706	722,706 722,706	2,271,363 745,649	3,634,181 1,193,039			475,438 2,157	221,871 67,934	8,282,898 8,352,989	
5A20	Farlington Marshes	0-20	HTL					3.44		688.292		722,706	722,706	1,410,998	2.257.597	12,554,443		487,999	512.399	1,000,398	4,787,242
	(east) to Farlington	20-50	HTL*					3.44		1,548,657		722,706	722,706	2,271,363	3,634,181			475,438	221,871	1,697,706	
	Marshes (west)	50-100 0-20	HTL* HTL		13.68		36,936,000	3.44 13.68		3,441,459 2,736,000		722,706 2,872,800	722,706 2,872,800	4,164,165 42,544,800	6,662,665 68,071,680	109,002,240	26,187,624	323,497 1,939,824	67,934 2,036,815	2,089,138 30,164,263	
5A21	Farlington Marshes	20-50	HTL		13.68		36,936,000	13.68		6.156.000		2,872,800	2,872,800	9.028.800	14.446.080	109,002,240	26,187,624	1,939,824	2,036,815 881.950	30,164,263	97,592,436
	(west) to Cador Drive		HTL					13.68		13,680,000		2,872,800	2,872,800	16,552,800	26,484,480			1,285,920	270,043	34,492,068	
5A22		0-20	HTL		3.56		14,410,741	3.56		711,642		747,224	747,224	15,869,606	25,391,370	36,037,528	10,217,215	504,554	529,782	11,251,551	35,601,291
	Cador Drive to A27	20-50 50-100	HTL*					3.56 3.56		1,601,193 3,558,208		747,224 747,224	747,224 747,224	2,348,417 4.305,431	3,757,467 6,888,690			491,566 334.472	229,398 70,239	11,972,515 12,377,225	_
5A23	Sudo: Silve to AZ/	0-20	HTL		3.31	l	8,934,096	3.31		661,785		694,874	694,874	10,290,755	16,465,208	26,365,510	6,334,274	469,205	492,666	7,296,145	23,605,701
	A27 to Fleetlands	20-50	HTL					3.31		1,489,016		694,874	694,874	2,183,890	3,494,224			457,128	213,326	7,966,599	
5A24	(MOD boundary) Fleetlands (MOD	50-100 0-20	HTL HTL		6.01	-	16,232,347	3.31 6.01	-	3,308,924 1,202,396	l	694,874 1,262,516	694,874 1,262,516	4,003,799 18,697,259	6,406,078 29,915,615	47,903,460	11,508,734	311,039 852,499	65,318 895,124	8,342,957 13,256,357	42,889,168
3A24	Boundary) to Quay	20-50	HTL		0.01	l	10,202,04/	6.01		2,705,391	 	1,262,516	1,262,516	3,967,907	6,348,651	47,803,400	11,000,734	830,555	387,592	14,474,504	42,009,108
	Lane (MOD	50-100	HTL					6.01		6,011,980		1,262,516	1,262,516	7,274,496	11,639,194			565,126	118,676	15,158,307	
5A25		0-20	HTL		13.87		37,449,000	13.87		2,774,000		2,912,700	2,912,700	43,135,700	69,017,120	110,516,160	26,551,341	1,966,766	2,065,104	30,583,211	98,947,887
	boundary) to Portsmouth Harbour	20-50 50-100	HTL HTL					13.87 13.87		6,241,500 13,870,000		2,912,700	2,912,700	9,154,200	14,646,720 26,852,320			1,916,141 1,303,780	894,199 273,794	33,393,551 34,971,125	
5B01	Portsmouth Harbour	0-20	HTL			0.30	180,545	2.67	0.30	594,621		561,161	561,161	1,336,327	2,138,123	44,523,294	128,006	421,586	397,863	947,456	17,082,092
	entrance to Gilkicker	20-50	HTL		2.67	0.30	20,696,317	2.67	0.30	1,337,897		561,161	561,161	22,595,376	36,152,601		6,353,769	410,734	172,277	7,884,236	
5B02	Point Gilkicker Point to	50-100 0-20	HTL HTL		5.07	0.30 2.88	361,089 15,428,801	2.67 5.07	0.30 2.88	2,973,105 1,590,874		561,161 1,065,618	561,161 1,065,618	3,895,356 18,085,293	6,232,570 28,936,468	118,127,785	33,942 10,939,020	279,472 1,127,930	52,749 755,523	8,250,400 12,822,472	66,207,071
3502	Meon Road, Titchfield		HTL	4.71	3.07	2.88	38,623,500	5.07	2.88	3.579.467		1,065,618	1,065,618	43,268,585	69,229,735	110,127,700	11,857,415	1,098,896	327,145	26,105,928	66,207,071
	Haven	50-100	HTL			2.88	3,456,000	5.07	2.88	7,954,371		1,065,618	1,065,618	12,475,988	19,961,581		324,864	747,711	100,168	27,278,671	
5B03			NAI (HTL																		
			cross-Solent																		
		0-20	infrastructure)																		
			NAI (HTL cross-Solent																		
		20-50	infrastructure)																		
	Meon Road, Titchfield		NAI (HTL cross-Solent																		
	Haven to Hook Park		infrastructure)																		
5C01		0-20	NAI													6,160,000					1,999,900
	Hook Park to Warsash North	20-50 50-100	MR HTL		0.7		2,835,000	0.7		315,000 700,000				3,150,000 700,000	5,040,000 1,120,000		870,345	96,705 65,800		967,050 1,032,850	
5C02	Warsash North to	0-20	NAI					0.7		700,000				700,000	1,120,000			65,800		1,032,850	
0002	Swanwick Shore	20-50	NAI																		
	Road	50-100	NAI																		
5C03	Swanwick Shore Road to Bursledon	0-20 20-50	HTL HTL		0.65		1,750,319	0.65 0.65		129,653 291,720		136,136 136,136	136,136 136,136	2,016,108 427,856	3,225,773 684,569	3,910,342	1,240,976	91,924 89,558	96,520 41,794	1,429,421 1,560,772	4,550,966
	Bridge	50-100	NAI					0.00		201,720		100,100	100,100	427,000	004,303			09,550	41,704	1,560,772	1
5C04	Bursledon Bridge to	0-20	NAI																		
	Curbridge to Botley to Satchell Marshes		NAI NAI			-		\vdash	-	 	l	 		-							4
5C05	odititell watsfies	30-100	NAI (HTL for			l	1				 	1		-							6,538,600
1			Rope Walk																		
		0-20	and Quay) NAI (HTL for		1.00	-	2,700,000	1.00		200,000		1		2,900,000	4,640,000	6,960,000	1,914,300	141,800		2,056,100	4
			Rope Walk											1							
		20-50	and Quay)				1	1.00		450,000				450,000	720,000			138,150	<u> </u>	2,194,250	_
	Satchell Marshes to		NAI (HTL for																		
	Hamble Common Point	50-100	Rope Walk and Quay)					1.00		1,000,000				1,000,000	1,600,000			94,000		2,288,250	
5C06	Hamble Common	0-20	NAI					1.00		1,000,000				.,000,000	1,000,000			54,000		2,200,200	1
1	Point to Hamble Oil	20-50	NAI																		
	Terminal Hamble Oil Terminal	50-100 0-20	NAI HTL		0.59	-	1,593,063	0.59	-	118,005	l	123,905	123,905	1,834,973	2,935,956	3,559,021	1,129,482	83,665	87,849	1,300,996	4.142.088
5007			HTL		0.00		1,000,000	0.59	1	265,510		123,905	123,905	389,415	623,065	3,333,021	1,120,402	81,512	38,039	1,420,546	4,142,000
5C07	to Ensign Industrial	20-50																			
		50-100	NAI					0.00		200,010			- 7,	555,	020,000			- 1		1,420,546	
5C07	to Ensign Industrial Park	50-100 0-20	NAI NAI					0.00		200,010				333,1				. , ,			
	to Ensign Industrial	50-100 0-20	NAI					0.00		200,010											

_										1											
	а	b	С		d		е		1	g	h transitional	offsetting	J.	k	l l	m	n	0	р	q	PV Cost: total (£m)
							Replacement		nce Length (E		freshwater habitat Creation	HTL coastal squeeze (£/km of	Habitat Creation	Total Cost	Total with Optimism Bias	Final Total (cumulative)	PV Costs:	PV Costs:		PV Cost: cumulative total	per Policy Unit
Po	licy Unit	Epoch	Notes	Replacer	ment Length		Costs (2)		L, G)	Costs (£)	(£/hectare)	defence)	Costs £	(£m)	(£m)	(m3)	Replacement (£m)	Maintenance (£m)	Creation (£)	(m2)	Cumulative PV
					Repla Length	acement	1		Maintena ength	nce					Total Cost			P	V Costs		Total
	olicy Unit	Epoch	Notes	В	L	G	Costs	В Ь	G	Costs	Transitional freshwater habitat Creation (£/hectare)	Offsetting HTL coastal squeeze (£/km of defence)	Habitat Creation Costs £	Total Cost	With Optimism Bias	Cumulative Total	Replacement	Maintenance	Habitat Creation	Cumulative PV Total	
5C09		0-20 20-50	HTL HTL*	2.05			10,455,000	2.0		922,500		430,500	430,500	10,455,000	16,728,000 2,164,800	29,468,800	7,412,595	283,208	132,164	7,412,595 7,827,966	23,689,867
		20-50	HIL					2.0	0	922,500		430,500	430,500	1,353,000	2,164,800			283,208	132,164	7,827,900	-
Cli	ff House to Netley		NAI (HTL for																		
	Castle	50-100	Netley Village)		1		5,400,000	1		1,000,000		210,000	210,000	6,610,000	10,576,000		507,600	94,000	19,740	8,449,306	
5C10	Netley Castle to	0-20 20-50	HTL																		4
	Weston Point	50-100	HTL																		†
5C11		0-20	HTL		8.38		22,618,342	8.3		1,675,433		1,759,204	1,759,204	26,052,979	41,684,767	50,531,052	16,036,405	1,187,882	1,247,276	18,471,562	58,809,449
	Weston Point to	20-50	HTL					8.3	8	3,769,724		1,759,204	1,759,204	5,528,928	8,846,285			1,157,305	540,076	20,168,943]
5C12	Woodmill Lane	50-100 0-20	NAI* HTL		21.49		58,016,617	21.	10	4,297,527		4,512,404	4,512,404	66,826,548	106,922,477	171,213,484	41,133,782	3,046,947	3,199,294	20,168,943 47,380,023	153,291,721
	Voodmill Lane to	20-50	HTL		21.40		30,010,017	21.		9.669.436		4,512,404	4,512,404	14,181,840	22,690,944	171,213,404	41,100,702	2,968,517	1,385,308	51,733,847	133,231,721
	Redbridge	50-100	HTL					21.	19	21,487,636		4,512,404	4,512,404	26,000,040	41,600,063			2,019,838	424,166	54,177,851	
5C13		0-20	NAI																		
	ower Test Valley	20-50 50-100	NAI NAI																		4
5C14	Ower rest valley	0-20	HTL					17.8	36	3.572.657		3.751.290	3.751.290	7.323.947	11.718.315	180.919.358		2.533.014	2.659.665	5.192.679	69.269.356
	dbridge to Calshot	20-50	HTL		17.86		72,346,307	17.		8,038,479		3,751,290	3,751,290	84,136,076	134,617,721	100,010,000	22,210,316	2,467,813	1,151,646	31,022,454	00,200,000
	Spit	50-100	HTL					17.8	36	17,863,286		3,751,290	3,751,290	21,614,576	34,583,321		, ,,,	1,679,149	352,621	33,054,224	
5C15		0-20	HTL					1.8		604,471		384,300	384,300	988,771	1,582,034	6,090,000		428,570	272,469	701,039	4,142,025
	0-1-1-4-0-1	20-50	HTL NAI			1.19	1,073,119	1.8	3 1.19	1,360,060		384,300	384,300	2,817,479	4,507,966		329,448	417,538	272,469	1,720,493	4
5C16	Calshot Spit	50-100 0-20	NAI						-			1								1,720,493	
3010	Calshot Spit to	20-50	NAI																		•
	Inchmery	50-100	NAI																		
5C17		0-20	NAI																		
	Inchmery to	20-50 50-100	NAI NAI																		4
5C18	Salternshill	0-20	HTL (NPFA)		5.56		15.012.000	5.5	6 2.03	1.518.637		1.168.640	1.168.640	17.699.277	28.318.844	54.619.712	10.643.508	1.076.714	828,566	12.548.788	42,525,249
Si	alternshill to Park	20-50	HTL (NPFA)		0.00	2.03	1,825,407	5.5		3,416,933		1,168,640	1,168,640	6,410,981	10,257,570	04,010,712	560,400	1,048,999	358,773	14,516,959	42,023,240
	Shore	50-100	HTL (NPFA)			2.03	2,433,876	5.5		7,593,185				10,027,061	16,043,298		228,784	713,759		15,459,503	
5C19		0-20	HTL		2.17	1.98	6,255,164	2.1		830,164		455,700	455,700	7,541,029	12,065,646	23,153,793	4,434,912	588,587	323,091	5,346,589	17,899,453
Dos	rk Shore to Sowley	20-50 50-100	HTL HTL*					2.1 2.1		1,867,870 4,150,822		455,700 455,700	455,700 455,700	2,323,570 4,606,522	3,717,712 7,370,435			573,436 390,177	139,900 42,836	6,059,925 6,492,938	4
5C20	ik onore to dowley	0-20	NAI					2.1	7 1.50	4,130,022		433,700	400,700	4,000,322	7,370,433			330,177	42,000	0,432,330	
S	lowley to Elmer's	20-50	NAI																		
	Court	50-100	NAI																		
5C21																					8,259,608
			HTL (potential RTE																		
			Lymington																		
		0-20	Reedbeds)					2.1		426,000	1,246,000	447,300	447,300	873,300	1,397,280	21,572,640		302,034	317,136	619,170	
		20-50	HTL		2.13		8,626,500	2.1	3	958,500		447,300	447,300	10,032,300	16,051,680		2,648,336	294,260	137,321	3,699,086	
,	Elmer's Court to																				
	ymington Yacht										1	1		1						1	
	Haven	50-100	HTL					2.1		2,130,000		447,300	447,300	2,577,300	4,123,680			200,220	42,046	3,941,352	
	ymington Yacht	0-20	HTL		40.11		10.450.105	8.1	4	1,627,170		1,708,529	1,708,529	3,335,699	5,337,118	120,287,896	45.000	1,153,664	1,211,347	2,365,010	43,571,515
H	aven to Saltgrass Lane	20-50 50-100	HTL HTL		12.14	ļ	49,150,195	12. 12.		5,461,133 12,135,851	1	2,548,529 2,548,529	2,548,529 2,548,529	57,159,857 14,684,379	91,455,771 23,495,007		15,089,110	1,676,568 1,140,770	782,398 239,562	19,913,087 21,293,418	4
5F01	Lane	0-20	HTL	1.5		-	7.650.000	12.	17	12,100,651	 	2,040,029	2,040,029	7.650.000	12.240.000	54.000.000	5.423.850	1,140,770	200,002	5,423,850	19.660.950
1		20-50	HTL				7	2		1,800,000		1		1,800,000	2,880,000	1.,111,130	., .,	552,600		5,976,450	,,
	Hurst Spit	50-100	HTL	1.50	L		15,300,000	4.5		9,000,000		1		24,300,000	38,880,000		1,438,200	846,000	1	8,260,650	
	angstone Harbour entrance (west)	0-20 20-50	HTL		28.18	ļ	76,073,926	28.		5,635,106 12,678,988	1	5,916,861 5,916,861	5,916,861 5,916,861	87,625,892 18,595,848	140,201,427 29,753,358	224,502,607	53,936,413	3,995,290 3.892.449	4,195,054 1,816,476	62,126,757 67.835,683	201,002,808
	(harbour) to	50-100	HTL			-		28.		12,678,988 28,175,528	 	5,916,861	5,916,861	34,092,389	54 547 822			3,892,449 2,648,500	556 185	67,835,683 71,040,367	†
	angstone Harbour	0-20	HTL		7.70	0.49	21,082,464	7.7	0 0.49	1,638,349		1,616,742	1,616,742	24,337,555	38,940,087	77,629,710	14,947,467	1,161,590	1,146,270	17,255,326	61,205,090
	rance (west) (open		HTL	1.05		0.49	8,477,928	7.7		3,686,286		1,616,742	1,616,742	13,780,955	22,049,528		2,602,724	1,131,690	496,340	21,486,079	4
5AHI01	ast) to Portsmouth	50-100 0-20	HTL HTL		2.76	0.49	591,572 7,445,547	7.7		8,191,746 551,522	-	1,616,742 579,098	1,616,742 579,098	10,400,060 8,576,167	16,640,095 13,721,868	21,972,637	55,608 5,278,893	770,024 391,029	151,974 410,581	22,463,685 6,080,503	19,672,653
	ngstone Bridge to	20-50	HTL		2.10		7,440,047	2.7		1,240,925	+	579,098	579,098	1.820.023	2.912.036	21,012,001	3,270,000	380,964	177,783	6,639,250	19,072,003
	Northney Farm	50-100	HTL					2.7	6	2,757,610		579,098	579,098	3,336,708	5,338,733			259,215	54,435	6,952,900	1
5AHI02		0-20	HTL (NPFA)					1.		340,000		357,000	357,000	697,000	1,115,200	28,468,800		241,060	253,113	494,173	3,672,983
	Marthau Farr	20-50	HTL (NPFA) MR				44.000.000	1.		765,000	1	357,000	357,000	1,122,000	1,795,200		4 0 40 000	234,855	109,599	838,627	4
5AHI03	Northney Farm	50-100 0-20	MR HTL (NPFA)		1.4 8.94		14,280,000 24,138,000	1.º 8.9		1,400,000		294,000 1,877,431	294,000 1.877,431	15,974,000 27,803,460	25,558,400 44,485,536	71.234.454	1,342,320 17.113.842	131,600 1,267,713	27,636 1,331,098	2,340,183 19.712.653	63.777.717
	lorthney Farm to	20-50	HTL (NPFA)		0.04	l	24,100,000	8.9		4,023,066	 	1,877,431	1,877,431	5,900,497	9,440,795	71,204,404	17,110,042	1,235,081	576,371	21,524,106	05,777,717
1 1 "	Mengham	50-100	HTL (NPFA)					8.9		8,940,146		1,877,431	1,877,431	10,817,577	17,308,123			840,374	176,478	22,540,958	
	•										•										

	a	b	С		d		е		f		g	h	i	l l	k	1	m	n	0	р	q	r
							Replacement	Maint	lananca	Length (B.	Maintenance	transitional freshwater habitat Creation	offsetting HTL coastal squeeze (£/km of	Habitat Creation	Total Cost	Total with	Final Total	PV Costs:	PV Costs:	DV Costo Hebitet	PV Cost: cumulative tota	PV Cost: total (£m per Policy Unit
Pol	licy Unit	Epoch	Notes	Ponlace	ment Length ((R I G)	Costs (£)	Walli	L, C		Costs (£)	(£/hectare)	(£/km of defence)	Costs £	(£m)	Optimism Bias (£m)	(cumulative)	Replacement (£m)	Maintenance (£m)	Creation (£)	(£m)	1
1.01	nicy offic	Epocii	140163	Heplace		cement	COSIS (L)			Maintenanc		(Enectare)	deterice)	00313 2	(2111)	Total Cost	(Liii)	riepiacement (£111)		V Costs	(2111)	Cumulative PV
					Length	icement	1	-	Lenc		ie I					I otal Cost	1		Ρ	V Costs	1	Total
					Length				Leng	jui		Transitional freshwater habitat Creation	Offsetting HTL coastal squeeze (£/km of	Habitat Creation		With Optimism	Cumulative					
	licy Unit	Epoch	Notes	В	L	G	Costs	В	L	G	Costs	(£/hectare)	defence)	Costs £	Total Cost	Bias	Total	Replacement	Maintenance	Habitat Creation	Cumulative PV Total	
	Mengham to	0-20	HTL		5.07		13,691,998		5.07		1,014,222		1,064,933	1,064,933	15,771,153	25,233,845	40,406,608	9,707,627	719,083	755,038	11,181,748	36,177,048
	nichester Harbour	20-50	HTL						5.07		2,282,000		1,064,933	1,064,933	3,346,933	5,355,093			700,574	326,934	12,209,256	
	entrance (west)	50-100	HTL						5.07		5,071,110		1,064,933	1,064,933	6,136,044	9,817,670			476,684	100,104	12,786,044	
	nichester Harbour	0-20	HTL		8.19		22,113,000		8.19		1,638,000		1,719,900	1,719,900	25,470,900	40,753,440	147,144,320	15,678,117	1,161,342	1,219,409	18,058,868	82,570,957
	ntrance (west) to	20-50	HTL	7.29			37,179,000		8.19		3,685,500		1,719,900	1,719,900	42,584,400	68,135,040		11,413,953	1,131,449	528,009	31,132,279	
Lar	angstone Harbour angstone Harbour	50-100 0-20	HTL HTL		2.96		7.990.273	/	8.19 2.96		22,190,000 591.872		1,719,900 621,466	1,719,900 621,466	23,909,900 9,203,611	38,255,840 14,725,777	23.580.183	5.665.104	2,085,860 419.637	161,671 440,619	33,379,810 6,525,360	
	ntrance (east) to	20-50	HTL		2.30		7,000,270		2.96		1.331.712		621,466	621,466	1,953,178	3.125.085	20,000,100	3,003,104	408.836	190,790	7.124.986	21,111,929
	orth Shore Road.	50-100	HTL					+ +	2.96		2.959.360		621,466	621,466	3,580,826	5.729.322			278.180	58,418	7,461,583	
5AHI07	orar oriore rioda,		NAI (HTL								,,					-7.			-,			20,733,493
		0-20	Newtown)		2.91		7,847,046		2.91		581,263		610,326	610,326	9,038,634	14,461,815	23,157,504	5,563,555	412,115	432,721	6,408,392	
	orth Shore Boad	20-50	NAI (HTL Newtown)						2.91		1.307.841		610.326	610.326	1.918.167	3.069.067			401.507	187.370	6.997.269	
	ew Town to West	20-50	NAI (HTL					-	2.91		1,307,841		610,326	610,326	1,918,167	3,069,067			401,507	187,370	6,997,269	-
	Lane (Stoke)	50-100	Newtown)						2.91		2.906.313		610.326	610.326	3.516.639	5.626.622			273.193	57.371	7.327.833	
5AHI08	Tanana Tanana Tanana Tanana Tanana Tanana Tanana Tanana Tanana Tanana Tanana Tanana Tanana Tanana Tanana Tanan	0-20	HTL*		3.09		8.343.000		3.09		618.000		648.900	648.900	9,609,900	15.375.840	24.621.120	5.915.187	438.162	460.070	6.813.419	22,043,906
Wes	est Lane (Stoke) to	20-50	HTL*		0.00		0,040,000	+ +	3.09		1.390.500		648,900	648,900	2.039.400	3.263.040	L4,0L1,1L0	0,010,107	426.884	199,212	7.439.515	
	angstone Bridge	50-100	HTL*		 			1 - 1	3.09		3.090.000	-	648,900	648,900	3,738,900	5.982.240			290.460	60.997	7,790,972	-

ANNEX H6: SENSITIVITY TESTING DEFENCE WORK COSTS

	а	b	С	d		е	f		g	h	offsetting		k		m	n	0	р	q	r PV Cost: total (£m)
										freshwater	HTL coastal									per Policy Unit
										habitat	squeeze	Habitat		Total with	Final Total					per rolley offit
						placement			Maintenance	Creation	(£/km of	Creation	Total Cost	Optimism Bias	(cumulative)	PV Costs:	PV Costs:	PV Costs: Habitat	PV Cost: cumulative	
				Replacement Length (Costs (£)	L,	,	Costs (£)	(£/hectare)	defence)	Costs £	(m2)	(£m)	(m2)	Replacement (£m)		Creation (£)	total (£m)	
				Replac	ement			Maintenance	9					Total Cost			P\	/ Costs		
				Length			Len	ath												Cumulative PV
				Length		ŀ	Len	J.		Transitional freshwater	Offsetting HTL coastal									Total
										habitat	squeeze	Habitat								
										Creation	(£/km of	Creation		With Optimism	Cumulative					
	Policy Unit	Epoch	Notes	B L	G	Costs	B L	G	Costs	(£/hectare)	defence)	Costs £	Total Cost	Bias	Total	Replacement	Maintenance	Habitat Creation	Cumulative PV Total	
5A05		0-20	HTL	6.82	18	8,414,000	6.82		1,364,000	203,000	1,432,200	1,635,200	21,413,200	34,261,120	54,606,720	13,055,526	967,076	1,159,357	15,181,959	49,074,940
			HTL (potential																	
		20-50	MR Ella Nore)				6.80		3,060,000		1,428,000	1,428,000	4,488,000	7,180,800			939,420	438,396	16,559,775	
			HTL (potential								, ,,,,,,,	, , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	, ,			,	,	.,,	
	Ella Nore Lane to		MR Horse																	
5A06	Fishbourne	50-100 0-20	Pond) HTL				6.80 0.66		6,800,000 132,000	745,500	1,428,000 138,600	1,428,000 884,100	8,228,000 1,016,100	13,164,800 1,625,760			639,200 93,588	134,232 626,827	17,333,207 720,415	2,549,023
SAU6		20-50	HTL				0.66		297,000	745,500	138,600	138,600	435,600	696,960			93,588	42,550	854,144	2,549,023
	Fishbourne	50-100	MR	0.2	1	1,080,000	0.2		200,000		100,000	100,000	1,280,000	2,048,000	4,370,720	101,520	18,800	42,000	974,464	
5A07																				69,334,860
			HTL (potential																	
			MR East Chidham &															1		
1		0-20	Bosham)	9.72	26	6.241.300	9.72		1,943,800		2,040,990	2,040,990	30,226,090	48,361,744	77,440,992	18.605.082	1,378,154	1,447,062	21,430,298	
	Fishbourne to west of	20-50	HTL	5.7.2		.,,	9.72		4,373,550		2,040,990	2,040,990	6,414,540	10,263,264	.,,	,,	1,342,680	626,584	23,399,562	1
	Cobnor Point	50-100	HTL				9.72		9,719,000		2,040,990	2,040,990	11,759,990	18,815,984			913,586	191,853	24,505,001	
5A10		0-20 20-50	MR MR (HTRL)	0.5	1	,350,000	0.5		100,000	168,000		168,000	1,618,000	2,588,800 360,000		957,150	70,900 69,075	119,112	1,147,162	3,626,636
	Nutbourne	20-50 50-100	MR (HTRL) MR (HTRL)				0.5		225,000 500.000				225,000 500.000	360,000 800.000	3.748.800	-	69,075 47,000	 	1,216,237 1,263,237	1
5A12	14010001110	0-20	HTL	1.27	3	3,427,599	1.27		253,896	3,325,000	266,591	3,591,591	7,273,087	11,636,939	17,281,511	2,430,168	180,012	2,546,438	5,156,619	16,237,160
	Prinsted to Stanbury	20-50	HTL				1.27		571,267		266,591	266,591	837,858	1,340,572			175,379	81,843	5,413,841	., . ,
	Point	50-100	MR				2.69		2,690,000				2,690,000	4,304,000			252,860		5,666,701	
5A14	Marker Point to	0-20 20-50	MR MR (HTRL)				2		400,000 900,000	2,215,500		2,215,500	2,615,500 900,000	4,184,800 1,440,000	8,824,800		283,600 276,300	1,570,790	1,854,390 2,130,690	6,303,769
	Wickor Point	50-100	MR (HTRL)				2		2,000,000				2,000,000	3,200,000			188,000		2,318,690	
5A15	Wickor Point to	0-20	HTL	1.53	4	1,122,361	1.53		305,360	3,325,000	320,628		4,427,721	7,084,354	13,000,655	2,922,754	216,500		3,139,254	10,289,343
	Emsworth Yacht	20-50	HTL				1.53		687,060		320,628	320,628	1,007,688	1,612,301			210,927	98,433	3,448,615	
	Haven	50-100	MR				2.69		2,690,000				2,690,000	4,304,000			252,860		3,701,475	
5A17			HTL (potential																	4,664,128
		0-20	MR Conigar)	1.43	3	3,865,925	1.43		286,365	168,000	300,683	300,683	4,452,973	7,124,757	12,187,175		203,033	213,184	416,217	
		20-50	HTL		-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.43		644,321	,	300,683	787,183	1,431,504		.=,,	1,186,839	197,807	241,665	2,042,528	
			HTL (potential																	
	Maisemore Gardens to Wade Lane	50-100	MR Warblington)				1.43		1,431,824		300,683	300,683	1,732,507	2,772,012			134,591	28,264	2,205,383	
5A20	to wade Lane	0-20	Warblington)				3.44		688 292	2.590.000	722.706	722.706	1,732,507	2,772,012	20.245.645		487,999	512.399	1.000.398	6.249.200
07420	Farlington Marshes	20-50	HTL				3.44		1,548,657	2,000,000	722,706	2,665,206	4,213,863	6,742,181	20,210,010		475,438	818,218	2,294,054	0,210,200
	(east) to Farlington		MR full back																	1
5400	Marshes (west)	50-100	to motorway	1.3	7	7,020,000	1.3		8,667	1 0 10 500	700 700	700 700	7,028,667	11,245,867	0.1.500.770	659,880	815	512.399	2,954,748	0.000.000
5A20	Farlington Marshes (east) to Farlington	0-20 20-50	HTL HTL				3.44 3.44		688,292 1,548,657	1,942,500	722,706 722,706	722,706 722,706	1,410,998 2,271,363	2,257,597 3,634,181	34,563,778		487,999 475,438	512,399 221,871	1,000,398 1,697,706	6,080,290
	Marshes (west)	50-100	MR partial	2.8	15	5.120.000	2.8		2.800.000		722,700	722,700	17.920.000	28.672.000		1.421.280	263,200	221,071	3.382.186	
5C16		0-20	NAI										//	.,. ,					.,,,,,,,	
	Calshot Spit to	20-50	NAI																	4
5C18	Inchmery	50-100 0-20	NAI HTL				5.56	2.03	1,518,637	8,305,500	1,168,640	1,168,640	2,687,277	4,299,644	23,776,584		1,076,714	828,566	1,905,280	10,193,820
3018	Salternshill to Park	20-50	HTL		2.03 1	1,825,407	5.56	2.03	3,416,933	3,303,300	1,168,640	1,168,640	6,410,981	10,257,570	20,770,004	560,400	1,048,999	358,773	3,873,451	10,130,020
	Shore	50-100	MR		2.03 2	2,433,876	1.30	2.03	3,328,230		, , .	, ,	5,762,107	9,219,371		228,784	312,854		4,415,089	<u> </u>
5C20		0-20	NAI												1,993,600					765,044
1	Sowley to Elmer's Court	20-50 50-100	NAI NAI									1,246,000	1,246,000	1,993,600				382,522	382,522 382,522	4
5C22	Juuri	30-100	HTL (potential															 	302,322	43,571,515
3022			MR at															1		10,071,010
			Saltgrass																	
		0-20	Lane)				8.14	l	1,627,170	1,424,500	1,708,529	1,708,529	3,335,699	5,337,118	120,287,896		1,153,664	1,211,347	2,365,010	4
			HTL (potential															1		
1	Lymington Yacht		RTE Avon															1		
	Haven to Saltgrass	20-50	Water)	12.14	49	9,150,195	12.14		5,461,133		2,548,529	2,548,529	57,159,857	91,455,771	<u></u>	15,089,110	1,676,568	782,398	19,913,087]
L	Lane	50-100	HTL				12.14		12,135,851		2,548,529	2,548,529		23,495,007			1,140,770	239,562	21,293,418	
5AHI02		0-20 20-50	MR MR (HTRL)				1.4		280,000 630,000	1,610,000		1,715,000	280,000 2,345,000	448,000 3,752,000	6,440,000		198,520 193,410	526,505	198,520 918,435	2,166,990
	Northney Farm	50-100	MR (HTRL)				1.4		1.400.000			1,713,000	1,400,000	2,752,000			193,410	320,303	918,435 1.050.035	1
5AHI03		0-20	HTL				8.94		1,788,029	1,715,000	1,877,431	1,877,431	3,665,460	5,864,736	25,705,531		1,267,713	1,331,098	2,598,811	12,030,338
	Northney Farm to	20-50	HTL				8.94		4,023,066		1,877,431	1,877,431	5,900,497	9,440,795			1,235,081	576,371	4,410,264	
EALUCS	Mengham	50-100	MR				6.5		6,500,000				6,500,000	10,400,000			611,000		5,021,264	00.040.000
5AHI08			HTL (potential															1		22,043,906
			MR West Northney &															1		
1		0-20	Stoke)	3.09	8	3,343,000	3.09		618,000		648,900	648,900	9,609,900	15,375,840	24,621,120	5,915,187	438,162	460,070	6,813,419	
1	West Lane (Stoke) to	20-50	HTL				3.09		1,390,500		648,900	648,900	2,039,400	3,263,040		-77	426,884	199,212	7,439,515]
	Langstone Bridge	50-100	HTL				3.09		3,090,000		648,900	648,900	3,738,900	5,982,240			290,460	60,997	7,790,972	