File name	Description	Where	Key Fields	What it shows
DC2_MHWS_1890			Cell	The coastal cell the line segment is within. Scotlan
	Polyline showing the position of the 'High Water		Sub_Cell	Which part of the coastal cells, subdivided by head
	Mark of Ordinary Spring Tides' (ie MHWS) from the Ordnance Survey's County Series Second Edition.	NaturalSpaces Publicly available for download.	Image_ID_A	This refers to the individual OS map tile which postscript A indicates the 1890s time period
	Extent: all Scottish soft coasts, including update for		Surv_End_A	This is the year in which the 1890s map survey end
	2021 research		Pub_A	This is the year in which the map was published.
			Shape_Length	Length (in metres) of the line
			Cell	The coastal cell the line segment is within. Scotlan
			Sub_Cell	Which part of the coastal cells, subdivided by head
DC2_MHWS_1970	Polyline showing the position of the Mean High Water Spring from the Ordnance Survey's 1970s	NaturalSpaces	Image_ID_B	This refers to the individual OS map tile which postscript B indicates the 1970s time period
	edition. Extent: all Scottish soft coasts	Publically available for	Surv_End_B	This is the year in which the 1970s map survey end
		download.	Pub_B	This is the year in which the map was published.
			Shape_Length	Length (in metres) of the line
			Cell	The coastal cell the line segment is within. Scotlan
			Sub_Cell	Which part of the coastal cells, subdivided by head
			CT_C	Coastal Type (taken from DC1) including: Hard&Mi
			FULLSHP_Yr	Year of survey, based on best available data.
	Polyline showing the position of the Mean High	NaturalSpaces	LA	Local authority
OS_smart_2020 MHWS Final	Water Spring from the Ordnance Survey's 2020	Release only to public sector	Length	Length (in metres) of the line
	MasterMap. Extent: all Scottish soft coasts, with additional date attribution.		TOID	OS TOpographic IDentifier. The unique identifier for
			TIDALJOBYR	Not required in public version
			MID_DMU	Not required in public version
			MID_Source	Not required in public version
			MID_Method	Not required in public version
		NatutalSpaces Publicly available for download.	Cell	The coastal cell the line segment is within. Scotlan
	Polyline showing the position of the Mean High		Sub_Cell	Which part of the coastal cells, subdivided by head
	Water Spring extracted from public and		CT_C	Coastal Type (taken from DC1) including: Hard&Mi
DC2_MHWS_Modern	partnersupplied Digital Elevation Models. Extent: all Scottish soft coasts.		Surv_End_C	Year of survey from DC1
			Surv_EndYR	Year of survey
			Data_C	Source / Supplier of data, published in 2017
			Data_D	Source / Supplier of data, updated in 2021
DC2_Defences_Line	Polyline showing the visible extent of coastal defence structures within aerial imagery. Extent:	NaturalSpaces Publicly available for		SW : sea wall / vertical structure
			Desc_	riprap : rock armour / sloped structure
	Scotland.			uncertain : uncertain
		download.	Length_m	Apparent (alongshore) length of defences from aer
DC2_Defences_Poly	Polygon showing the alongshore extent of coastal	NaturalSpaces		
	defences and a nominal 25m inland extent of assumed protection.	Publicly available for download.	N/A	N/A
		NaturalSpaces Publicly available for download.	Cell	The coastal cell the line segment is within. Scotlan
	Polyline showing the anticipated Mean High Water		Sub_Cell	Which part of the coastal cells, subdivided by head
DC2 DCD9 Euture MUM2	Springs positions per decade (2020-2100) based on		Line_ID	Identification of the line used in modelling
DC2_RCP8_Future_MHWS	a High Emissions Scenario, and an assumed 'Do Nothing' coastal management strategy.		Method	Open: Open coast method deployed Inner: Inner coast method deployed See WS2 report for further details

and has 12 coastal cells.
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ch the 1970s tideline was extracted from. The
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Mixed, Soft or Artificial.
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and has 12 coastal cells.
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Mixed, Soft or Artificial.
erial photography
and has 12 coastal cells.
adlands.

		1	Year	Decade (2020, 2100) which line represents
		NaturalSpaces	fear	Decade (2020-2100) which line represents
DC2_RCP4_Future_MHWS	Medium & Low Emissions are also available via	Naturatopaces		
	WMS2	Release only to public		
		sector		
		NaturalSpaces		
DC2_RCP2_Future_MHWS	Medium & Low Emissions are also available via WMS2)			
		Release only to public sector		
	Polygon showing the anticipated erosional areas,		Cell	The coastal cell the line segment is within. Scotlan
	between the anticipated 2020 and 2050 Mean High		Sub_Cell	Which part of the coastal cells, subdivided by head
DC2_RCP8_Future Erosion2050_Public	Water Spring tide lines, based on a High Emissions	NaturalSpaces		ErodedArea: areas seawards of the 2050 projected
Elosion2030_Fublic	Scenario sea level rise projection (RCP8.5, 95 percentile) and 'do nothing' coastal management	Publicly available for	ErodeType	Influence: a 10m landward buffer of the projected
	approach. See Workstream 2 & 2RA on	download.		Vicinity: a further 50m landward buffer on Erosion I
	www.DynamicCoast.com for more information.		ErodeID	Unique ID for each set of erosion polygons
			Asset info	Further cells reflecting the number, length or area
		NaturalSpaces		
		Naturatopaces		Includes sensitive information including which ero non-residential property. Public and Full versions a
DC2_RCP8_Future_Erosion2050_Full	As above.	Release only to public	As above	
		sector		
			Cell	The coastal cell the line segment is within. Scotlan
	Polygon showing the anticipated erosional areas, between the anticipated 2020 and 2100 Mean High Water Spring tide lines, based on a High Emissions Scenario sea level rise projection (RCP8.5, 95 percentile) and 'do nothing' coastal management approach. See Workstream 2 & 2RA on www.DynamicCoast.com for more information.	NaturalSpaces Publicly available for download.	Sub_Cell	Which part of the coastal cells, subdivided by head
			Sub_Cell	
DC2_RCP8_Future_Erosion_2100_Public				
			ErodeType	ErodedArea: areas seawards of the 2100 projected
(NB Medium & Low Emissions are also				Influence: a 10m landward buffer of the projected Vicinity: a further 50m landward buffer on Erosion
available via WMS2)				
			ErodelD	Unique ID for each set of erosion polygons
		Nutrail	Asset info	Further cells reflecting the number, length or area of
	As above.	NaturalSpaces       Belease only to public		Includes sensitive information including which ero
DC2_RCP8_Future_Erosion_2100_Full			elease only to public	non-residential property. Public and Full versions
		sector		
DC2_RCP4_Future_Erosion_2100_Public	As above but for the Medium Emissions (RCP4) emissions scenario.	NaturalSpaces		
			As above	Includes sensitive information including which ero
		Release only to public		non-residential property. Public and Full versions a
		sector		
DC2_RCP2_Future_Erosion_2100_Public	As above but for the Low Emissions (RCP2) emissions scenario.	NaturalSpaces		Includes sensitive information including which ero
		Release only to public	As above	non-residential property. Public and Full versions a
		sector		
DC2_RCP8_Transects	Transects spaced at 10m intervals along wavedominated erodable shorelines as defined by	NaturalSpaces	Cell	The coastal cell the line segment is within. Scotlan
			Sub_Cell	Which part of the coastal cells, subdivided by head
	Dynamic Coast. The transects display key		CMU	Coastal Management Unit (yet to be defined)

## and has 12 coastal cells.

adlands.

- ed position of Mean High Water Springs. Ind position of 2050 MHWS
- n Influence

a of assets falling within each polygon.

rosion polygons overlap with residential and s are also available for RCP2 and RCP4.

and has 12 coastal cells. eadlands.

- ed position of Mean High Water Springs. ed position of 2100 MHWS
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- rosion polygons overlap with residential and sare also available for RCP2 and RCP4.

and has 12 coastal cells. adlands.

	information which inform coastal change calculations alongside key results. Further explanation available within Technical Summary	Publically available for download.	Method	Open: Open coast method deployed Inner: Inner coast method deployed See WS2 report for further details
	WS2, via www.DynamicCoast.com/reports.		TransectID	Transect identifier
			LineID	Identification of the line used in modelling
			BaseLYr	Year of the baseline dataset (ie the most recent su
			BaseLSrc	Source of the baseline dataset (ie the most-recent
			CalibYr	Year of the calibration dataset (ie the second most min of 5yr gap with baseline)
			OS_2020_yr	Date of OS MHWS Survey
			Hist_Rate	Recent rate of change (in metres per year). Negative positive values are accretional (seaward movemer
			DC1_Dist_V	Coastal change distance (m), calculated in 2017, k (calibration) shorelines. Negative figures are erosic accretional (seaward movement).
			DC1_RateBC	Coastal change rate (m/yr), calculated in 2017, bet (calibration) shorelines. Negative figures are erosic are accretional (seaward movement).Given improv these rates may be questionable.
			DC1_SvEn_B	Source of the 1970s (calibration) tideline used in ir
			DC1_SvEn_C	Source of the Modern (baseline) tideline used in in
			RCP85_2100	Increase in relative sea level rise anticipated by 21 UKCP18 RCP 8.5 95 percentile figure.
			FirstEYr	The decade in which erosion first anticipated mode
			Dist_2030 etc	The amount of coastal change anticipated in the density of the second se
			Dist_2040 etc	The amount of coastal change anticipated in the d Negative figures are erosional (landward movemer movement).
			ExtraP2050	The extrapolated distance of coastal change, meas linear annual erosion rate continuing. {is this from
			ExtraP2100	The extrapolated distance of coastal change, meas linear annual erosion rate continuing. {is this from
			Rate_2030 etc	The rate of coastal change anticipated in the decade Negative figures are erosional (landward movement).
			Rate_2040 etc	The rate of coastal change anticipated in the decade Negative figures are erosional (landward movemen movement).
			Tot_E_2050	Total amount of erosion anticipated between 2020 'Dist_2030'- to 'Dist 2050'.
			Tot_E_2100	Total amount of erosion anticipated between 2020 'Dist_2030'- to 'Dist 2100'.
DC2_RCP4_Transects	As above but for the Low Emissions (RCP2) emissions scenario.	NaturalSpaces Release only to public sector	As above	As above

survey used in modelling)

ent survey used in modelling)

ost recent survey used in modelling, assuming

ative figures are erosional (landward movement), nent).

7, between modern (baseline) and 1970s sional (landward movement), positive values are

between modern (baseline) and 1970s sional (landward movement), positive values rovements in OS survey dates (OS\_Smart\_2020)

initial Dynamic Coast research (2017).

initial Dynamic Coast research (2017).

2100, above 1990 levels, sourced from the

odelled.

e decade leading up to 2030, measured in m. nent), positive values are accretional (seaward

e decade leading up to 2040, measured in m. nent), positive values are accretional (seaward

easured in m, anticipated by 2050 based on a m DC1??}

easured in m, anticipated by 2100 based on a m DC1??}

cade leading up to 2030, measured in m/yr. nent), positive values are accretional (seaward

cade leading up to 2040, measured in m/yr. nent), positive values are accretional (seaward

20 and 2050, measured in m. This is the sum of

20 and 2100, measured in m. This is the sum of

DC2_RCP2_Transects	As above but for the MediumEmissions (RCP4) emissions scenario.	NaturalSpaces Release only to public sector	As above	As above
DC2_RCPALL_Transects	As above but for the all Emissions (RCP2,4,&8) emissions scenario.	NaturalSpaces Release only to public sector	As above	As above
DC2_Uncertainty	A dataset showing areas where there modelled results may be unreliable due to uncertainties in input data or other reasons.	NaturalSpaces Publicly available for download	Uncert_Typ	'Baseline uncertainty. Old and mobile baseline' wh and offset (IF (Baseline<2020 and ((2020-Baseline_ uncertainty. Recent tidal channel movement may in Erosion may be slower or curtailed due to bedrock
			Surv_Methd	Ground survey, Air photo interpretation
			Source	ArcCollector with Eos Arrow GNSS, OS aerial imagery via OSMA
			IntrpMthd	Walking along veg edge / manual digitisation of air p
		NaturalSpaces	Trend	Any apparent trend
	Surveyed vegetation edge at various time periods	Naturatopaces	Site	Location of survey
DC2_Veg_Edge	based on aerial imagery or ground survey methods.	Publicly available for	IndicError	Indicative spatial error
		download	Surveyor	Surveyor's initials
			Organisati	Surveyor's organisation
			Line_Typ	Veg Edge, Cliff top, Cliff toe, Defences etc
			Comment	
			Year	Year of ground survey / air survey capture
			Date	Date of ground survey / air survey capture
LA with SMPs	Local authority boundaries, including a note whether a Shoreline Management Plan have been undertaken.	NaturalSpaces Publicly available for download		
	A polygon dataset showing the extent coastal cells and sub cells. As defined by Ramsey & Brampton 2000 (SNH commissioned report)	NaturalSpaces	Cell	The coastal cell (1-12)
Coastal cells		Publicly available for download	Sub_Cell	The sub cell eg 2a etc
	A polygon dataset showing the inland extents of SEPA's climate change coastal flood extent. Source data was SEPA's 1:200 yr return period flood extent accounting for relative sea level rise (based on UKCP09 RCP8.5 95 percentile). Dynamic Coast have processed this to remove intertidal areas leaving 'inner' areas of coastal flooding, ie those extending into the interior. Polygons also report the decade when anticipated MHWS lies within 30m.	NaturalSpaces Release only to public sector	ID	Identifier
			Area	Area in m2
			Flood type	'Inner' or 'Inner_roads' edge was removed.
			Ver	v2.0
			Coastal Type	Coastal type based on Dynamic Coast (2017) data:
DC2_SEPA_CC_CstFlood_Erosion			OTA	SEPA's Operational Target Area – 'Y' or 'N'
			OTA_Name	Name of SEPA's Operational Target Area.
			Source	'Pluvial', 'Coastal' and or 'Fluvial'
			LA_name	Local authority name
			PVA	Potentially Vulnerable Area Number
			Region	SEPA's Region
	{SEPA are in the process of approving release – expected by August – publication will have to wait}		Yr_30m_Erosion	Decade when MHWS is within 30m of flood polygor
		NaturalSpaces	Base_yr	The update year for the tidal analysis

where baseline survey date is older than 2000 e_yr)*Hist_Rate) is greater than 10m. 'Baseline winflate future change' 'Erodablity uncertainty. k or superficial deposits'
r photo
a: 'Hard & Mixed', 'Soft' or 'Artificial'
on

	1	1		
	Coastal Flood Boundaries dataset which indicates the anticipated still-water flood altitudes (mOD) for various return periods. This dataset also includes RSLR estimates, extracted from UKCP18 RCP8.5	Release only to public sector	t1	The highest altitude of the still-water flood level an frequency of 100%).
			t1000	The highest altitude of the still-water flood level an exceedance frequency of 0.1%).
			R8.5_2010	Additional mean sea level anticipated by 2010, me Scenario (RCP8.5), above 1990 levels.
			R8.5_2020	Additional mean sea level anticipated by 2020, me Scenario (RCP8.5), above 1990 levels.
			t1-2	Height difference (m) between a two year and one
			T25-50	Height difference (m) between a 25 year and 50 year
DC2_FPF_line DC2_FPF_point	WS1b {not available yet – will be available by Sept}	NaturalSpaces Release only to public sector	To be confirmed	To be confirmed
			HTMLNAME	Place name (first town name found)
			Cell_Sub	Dynamic Coast subcells
			SegmentID	ID number Berwick (0), anticlockwise to Solway, ad
			NUM_Rps	Number of Residential Properties
			NUM_NRPs	Number of Non-Residential Properties
	A polygon dataset of approximately 1km2 coastal segments, recording the number/length of assets enclosed. Additional fields (with _50) reflect number		NUM_RP_NRP	Number of Residential and Non-residential Proper
			RP_NRP_KM2	Number of Residential and Non-residential Proper
			GDL_AREA	Area of Gardens and Designed Landscapes (HES)
			PIC_AREA	Area of Properties In Care (HES)
		NaturalSpaces Publicly available for download	BTLFD_AREA	Area of Battlefields (HES)
			SHDMN_AREA	Area of Scheduled Monuments (HES)
			SPA_AREA	Area of Special Protection Areas (SNH)
			MPA_ARA	Area of Nature Conservation Marine Protection Are
			SAC_AREA	Area of Special Area of Conservation (SNH)
CZC			NNR_AREA	Area of National Nature Reserve (SNH)
	of assets etc within 50m of MHWS.		SSSI_AREA	Area of Sites of Special Scientific Interest (SNH)
			PVA_AREA	Area of Potentially Vulnerable Areas (SEPA)
			RNWY_AREA	Areas of Airport Runways (SEPA)
			ROAD_LEN	Length of Roads (SEPA + OS, "All")
			RAIL_LEN	Length of Railway (SEPA + OS, "All")
			CWTR_LEN	Length of Clean Water Networks (ScotGov)
			WWTR_LEN	Length of Waste Water Networks (Scottish Water)
			WWTR_NUM	Number of Waste Water Sites (Scottish Water)
			SWTR_NUM	Number of Septic Water Sites (ScotGov)
			UTIL_NUM	Number of Utilities (SEPA)
			CSRV_NUM	Number of Community Services (SEPA)
			GDL_AREA50	Area of Gardens and Designed Landscapes within
			PIC_AREA50	Area of Properties In Care within 50m of the coast
			Name_Unit_50	As per above, where the postfix name is within 50n
CZC_WS2	A polygon dataset of approximately 1km2 coastal segments, recording the number/length of assets	NaturalSpaces		
020_002	anticipated to be at risk from Erosion and Flooding.	Release only to public sector		

anticipated within one year (annual exceedance

anticipated within one thousand years (annual

measured in m, based on a High Emissions

measured in m, based on a High Emissions

ne year event.

/ear event.

across to WI finishing in Shetland (8338)

erties

erties per sq km (as areas vary)

Areas (SNH)

in 50m of the coast (ie MHWS) st (ie MHWS)

60m of the coast. (ie MHWS)

DC2_Coastal_Type	A polygon dataset of approximately 1km2 coastal segments, reflecting the erodibility of the coast line (based on the Underlying Physical Susceptibility Model. See DynamicCoast.com/report for more information) and the presence of visible coastal defences.	NaturalSpaces Publicly available for download	
Coast X-Ray lines	Coast X-Ray derived shorelines reflecting High Water and Low Water. See DynamicCoast.com/report for more information. {Data not yet ready for publication}	NaturalSpaces Release only to public sector	
Coast X-Ray water occurrence	Coast X-Ray derived water occurrence of the foreshore. See DynamicCoast.com/report for more information {Data not yet ready for publication}	NaturalSpaces Release only to public sector	
Coast X-Ray Intertidal tidal stage	Coast X-Ray derived foreshore pseudo-elevation model based on water occurrence data, including tidal elevation data. See DynamicCoast.com/report for more information {Data not yet ready for publication}	NaturalSpaces Release only to public sector	

