

Scotland_MHWS_MODERN_FINAL

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Resource Identification Information

CITATION

TITLE Scotland_MHWS_MODERN_FINAL

CREATION DATE 2017-05-16

PUBLICATION DATE 2017-08-04

EDITION OS MasterMap MHWS. Epoch 2001 to 2016

PRESENTATION FORMAT mapDigital

THEMES OR CATEGORIES OF THE RESOURCE environment

DESCRIPTIVE KEYWORDS

KEYWORDS Downloadable Data

THESAURUS ArcIMS Metadata Service Content Types

ABSTRACT

Mean High Water Spring, selected from OS MasterMap dataset and amended with data from additional sources. Epoch 2001 to 2016. Extent: Soft or Erodible shorelines. Additional sources include MHWS line extracted from public sector LiDAR surveys etc, where these we're more representative than the OS data. This data was produced as part of 'Dynamic Coast' Scotland's National Coastal Change Assessment, see www.dynamiccoast.com for more info.

PURPOSE

Mean High Water Spring, selected from OS MasterMap dataset and additional public sector data. Epoch 2001 to 2016. Extent: Soft or Erodible shorelines. This data was produced as part of 'Dynamic Coast' Scotland's National Coastal Change Assessment, see www.dynamiccoast.com for more info.

DATASET LANGUAGE English

DATASET CHARACTER SET utf8

SPATIAL REPRESENTATION TYPE vector

PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; ESRI ArcGIS 10.0.5.4400

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT CONTAINS THE RESOURCE true

WEST LONGITUDE -8.293914

EAST LONGITUDE -0.724501

NORTH LATITUDE 60.832744
SOUTH LATITUDE 54.55582

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT CONTAINS THE RESOURCE true
WEST LONGITUDE -8.293808
EAST LONGITUDE -0.724822
NORTH LATITUDE 60.832807
SOUTH LATITUDE 54.555894

CREDITS
Ordnance Survey, Scottish Government, Scottish Natural Heritage, Historic
Environment Scotland and University of Glasgow

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Spatial Representation - Vector

LEVEL OF TOPOLOGY FOR THIS DATASET geometryOnly
GEOMETRIC OBJECTS
OBJECT TYPE composite
OBJECT COUNT 7510

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Reference System Information

REFERENCE SYSTEM IDENTIFIER
VALUE 27700

CODESPACE EPSG
VERSION 7.4.1

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Data Quality Information

LINEAGE
LINEAGE STATEMENT
This data was developed as part of the 'Dynamic Coast', Scotland's National Coastal Change Assessment (see www.dynamiccoast.com). This project aims to inform the changing position of Scotland's erodible shoreline, by comparing three datasets. The shoreline in the 1890s was extracted from OS Six-Inch Inch County Series Second Edition, the 'High Water Mark of Ordinary Spring Tides' (HWMOST) which was compared with the Mean High Water Springs line from the 1970s which was extracted from the OS National Grid 1:10,560/1:10,000 sheets. Note whilst there is a difference in the terminology (HWMOST vs MHWS), the definitions are the same). The 1970s shoreline was then compared with the 'Modern' position extracted and amended from the OS MasterMap dataset. Updates were taken from public sector LiDAR datasets.

The positional accuracy of the 1890 maps were checked and updated against aerial photography, the high water mark was extracted using a combination of manually and automated extraction. The manual extraction required the use graphics tablet which allows the high water mark to be traced using a stylus (via a Wacom Cinitq 24HD graphics). The automoted extraction used the ArcScan toolbar with ArcMap. The

digitised high water mark was and linked across sheet boundaries, and then assigned the appropriate metadata e.g. survey dates, sheet number, and length (in metres) etc.

The two change datasets depict the changes between these three time periods (ie 'Scotland_Change_1970_Modern FINAL'). Where erosion is significant (greater than mapping error) these are projected landwards at the annual rate until 2050 to identify the extent of anticipated erosion (ie 'Future_Look_2050_FINAL'). This dataset has a number of categories ('Erosion' areas currently landward of MHWS which are expected to erode to become seaward of MHWS, 'Erosion Influence' a 10m buffer landward of the position of MHWS in 2050, and an 'Erosion Vicinity' a further 50m buffer landward)

For more information, please visit www.dynamiccoast.com

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Distribution Information

DISTRIBUTOR

DISTRIBUTOR INFORMATION - DISTRIBUTOR

INDIVIDUAL'S NAME Data Supply

ORGANIZATION'S NAME Scottish Natural Heritage

CONTACT INFORMATION

ADDRESS

E-MAIL ADDRESS data_supply@snh.gov.uk

FORMAT

NAME Shapefile

VERSION

NIL REASON missing

TRANSFER OPTIONS

TRANSFER SIZE 15.933

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Metadata Information

LAST UPDATE 2017-08-29

MAINTENANCE

UPDATE FREQUENCY notPlanned

METADATA CONSTRAINTS

CONSTRAINTS

LIMITATIONS OF USE

Open Government Licence. No constraints on use.

METADATA CONTACT - CUSTODIAN

INDIVIDUAL'S NAME Alistair Rennie

ORGANIZATION'S NAME Scottish Natural Heritage

CONTACT'S POSITION Dynamic Coast Project Manager

METADATA CONTACT - OWNER

INDIVIDUAL'S NAME data_supply@snh.gov.uk

ORGANIZATION'S NAME SNH

METADATA CONTACT - ORIGINATOR

INDIVIDUAL'S NAME Chris Fleet
ORGANIZATION'S NAME National Library of Scotland
CONTACT'S POSITION Head of Map Library

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
SCOPE NAME dataset

METADATA LANGUAGE English
METADATA CHARACTER SET utf8

NAME OF THE METADATA STANDARD USED ISO 19139 Geographic Information -
Metadata - Implementation Specification
VERSION OF THE METADATA STANDARD 2007