Project	Physical and geochemical properties of Scottish saltmarsh soils.
Funding	USA/015/20
Staff Responsible	William Austin
Research Team	1. Lucy C. Miller *(University of St Andrews)* 2. Craig Smeaton *(University of St Andrews)* 3. William E.N. Austin *(University of St Andrews/Scottish Association of Marine Science)*

Metadata Type	Details
Data Resource ID	Global positioning system (GPS) locations and elevations of sampling sites across Scottish saltmarshes.
Description of dataset	The dataset details global positioning system (GPS) locations and elevations recorded for 245 sampling sites across eight Scottish saltmarshes.
Locations of the observations	Scotland Geographic Extent: 54.251069, -6.262840 54.564402, 0.464285 58.742170, -0.204728 58.994955, -7.092833 Site locations presented as decimal longitude and latitude (WGS84), and as X easting and Y northing in the data resource.
Location Descriptions	All sites are located in similar environmental regions of Scotland to allow for comparable data. Furthermore, the sites were chosen from around Scotland's coastline to provide an accurate representation of saltmarshes, sediment types, and organic carbon content within Scotland.
Names of the variables or parameters observed or simulated	Latitude (decimal degrees) Longitude (decimal degrees) Easting Northing Elevation Above Ordnance Datum (m) Sampling Method Length of core (cm) Purpose of sampling

All procedures used to make observations or simulations (field/lab where applicable)	The dataset details GPS locations recorded for 245 sampling location at eight Scottish saltmarsh sites. GPS locations recorded using a Juniper Systems geode DGPS system. Data were recorded in WGS84 (decimal degrees) and Northings, Eastings and elevation relative to Ordnance Datum Newlyn. No subsequent processing has been undertaken.
Calibration procedures, where applicable	Juniper RTK corrections in real time
Statistical treatment of the observations or simulations	NA
Data checking procedures (quality control)	NA
File formats used	.csv
Other information	NA indicates no data in cells.
References	

Data resource description for Saltmarsh_sampling_locations.csv		
Header	**Description**	**Cell Format**
Sample_ID	Sample identification	Text
Marsh_ID	Saltmarsh name	Text
Sampling_year	Year of sample collection	Number
Local_authority	Local authority responsible for the saltmarsh	Text
Marsh_type	Back-barrier	Text
	Fringing	
	Estuarine	
	Embayment	
Marsh_zone	Low-Mid	Text
	High	
Lat_dec_deg	Latitude reported in decimal degrees using the WGS84 projection	Number
Long_dec_deg	Longitude reported in decimal degrees using the WGS84 projection	Number
X_easting	Location reported as X (Easting)	Number
Y_northing	Location reported as Y (Northing)	Number
Elevation_AOD_m	Elevation Above Ordnance Datum (m)	Number
Sampling_method	Syringe Sampler	Text
	Narrow (30mm) diameter gouge corer	
	Wide (60 mm) diameter gouge corer	
Core_length_cm	Length of core retrieved (cm)	Number
Purpose	Surficial OC stock calculations	Text
	Soil C Stocks and burial rates	
	Soil C stocks	