

Global Change Data Encyclopedia

Flannan Isles, United Kingdom

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Flannan Isles, also called Seven Hunters^[1], is an isle group of Outer Hebrides^[2] of Scotland. Its geo-location is 58°16'18"N–58°17'23"N, 7°33'32"W–7°39'19"W^[3] (Figures 1–2).

The Flannan Isles is consisted of a series of small isles, including Eilean Mor Isle and Eilean Tai ghe Isle in the northeast, Soray Isle, Sgeir Tomain Isle, and Rìghinn Sgeir Isle in the south, and Roareim Isle, Eilean Gobha Isle, and Brona Cleit Rock in the west.

In 1899, the lighthouse and its facilities of the Flannan Isles were built on the Eilean Mor Isle by the United Kingdom. The geo-location of the lighthouse is 58°17.294'N, 7°35.394'W and it is 23 m high^[4]. In 1983, it was listed as the Site of Special Scientific Interest for protection and utilization by the United Kingdom.

The total area of the Flannan Isles is 0.62 km², and the coastline is 15.98 km. Among the isles, the biggest isle is Eilean Mor Isle, whose area is 0.18 km²^[3]. The highest point is 88 m above sea

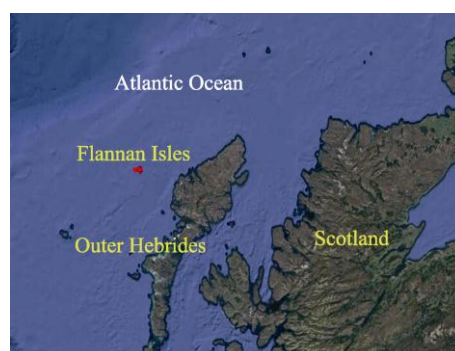


Figure 1 Geo-location of Flannan Isles (.kmz format)

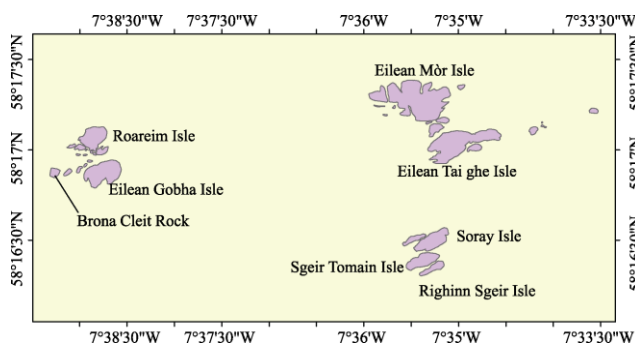


Figure 2 Geo-location of Flannan Island (.shp format)

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[2] Liu, C., Shi, R. X. Flannan Isles [DB/OL]. Global Change Research Data Publishing & Repository, 2017. DOI: 10.3974/geodb.2017.01.02.V1.

level on the Eilean Mor Isle.

The dataset was developed based on the ArcGIS^[5], Google Earth images and the thematic maps of Scotland. The dataset is archived in both .kmz and .shp data formats, consisting 15 data files with data size of 543 KB (compressed to two data files, 212 KB).

Table 1 List of main islands in the Flannan Isles

Name of island	Geo-location	Center location	Area (m ²)	Coastline (m)
Eilean Mòr Isle	58°17'10"N-58°17'23"N, 7°35'45"W-7°35'5"W	58°17'15"N, 7°35'15"W	179,016	2,775
Eilean Tai ghe Isle	58°16'55"N-58°17'7"N, 7°35'19"W-7°34'33"W	58°17'2"N, 7°35'0"W	125,073	2,271
Eilean Gobha Isle	58°16'47"N-58°16'57"N, 7°38'57"W-7°38'34"W	58°16'53"N, 7°38'46"W	71,436	1,219
Roareim Isle	58°16'58"N-58°17'8"N, 7°39'1"W-7°38'42"W	58°17'4"N, 7°38'51"W	53,486	1,352
Soray Isle	58°16'26"N-58°16'34"N, 7°35'28"W-7°35'6"W	58°16'30"N, 7°35'16"W	45,700	990
Sgeir Tomain Isle	58°16'20"N-58°16'26"N, 7°35'33"W-7°35'12"W	58°16'23"N, 7°35'23"W	34,761	842
Rìghinn Sgeir Isle	58°16'18"N-58°16'23"N, 7°35'25"W-7°35'9"W	58°16'22"N, 7°35'13"W	15,179	641
Bràna Cleit Rock	58°16'51"N-58°16'54"N, 7°39'19"W-7°39'12"W	58°16'52"N, 7°39'16"W	7,460	330
Others			88,381	5,563
Flannan Isles	58°16'18"N-58°17'23"N, 7°33'32"W-7°39'19"W		620,492	15,983

References

[1] Flannan Isles [OL]. https://en.wikipedia.org/wiki/Flannan_Isles.
[2] Field Enterprises Educational Corporation. The World Book Encyclopedia (Volume 9) [M]. Chicago: Field Enterprises Educational Corporation, 1976: 155.
[3] Liu, C., Shi, R. Flannan Isles [DB/OL]. Global Change Research Data Publishing & Repository, 2017. DOI: 10.3974/geodb.2017.01.02.V1.
[4] List of lighthouses in Scotland [OL]. https://en.wikipedia.org/wiki/List_of_lighthouses_in_Scotland.

Data Computing Environment

[5] ESRI. ArcGIS campus license of the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences.

URL for Data Downloading

<http://www.geodoi.ac.cn/WebEn/doi.aspx?Id=634>.
Or search though: <http://www.geodoi.ac.cn>.