GALWAY - COUNTY GEOLOGICAL SITE REPORT

NAME OF SITE   **Corranroo Springs**
Other names used for site
IGH THEME   **IGH1 Karst**
TOWNLAND(S)   **Leagh North, Roo Demesne**
NEAREST TOWN/VILLAGE   **Kinvara**
SIX INCH MAP NUMBER   **112**
ITM CO-ORDINATES   **532588E 710424N (main spring at southeast)**
1:50,000 O.S. SHEET No. 52   **GSI BEDROCK 1: 100,000 SHEET NO. 14**

Outline Site Description
The springs are in Carboniferous Limestone and appear in and adjacent to the intertidal zone of the coast in a narrow bay.

Geological System/Age and Primary Rock Type
The springs are in Carboniferous Limestone and are probably largely post-glacial (Holocene) in age but may have an inherited pre-glacial component.

Main Geological or Geomorphological Interest
These are springs in the intertidal zone at the foot of the Burren that operate only during medium and high flow levels. Although some of the outflow comes from the north-eastern part of the Burren plateau the primary interest of the site is that it marks the (apparent) termination of the deep karst conduit system of the lowlands described in a complex of sites in the Gort-Kinvara lowlands. The springs appear to function as an overflow to the more recently developed springs at Kinvara. The main conduit cannot be accessed at Corranroo and may continue further out beneath the present sea bed.

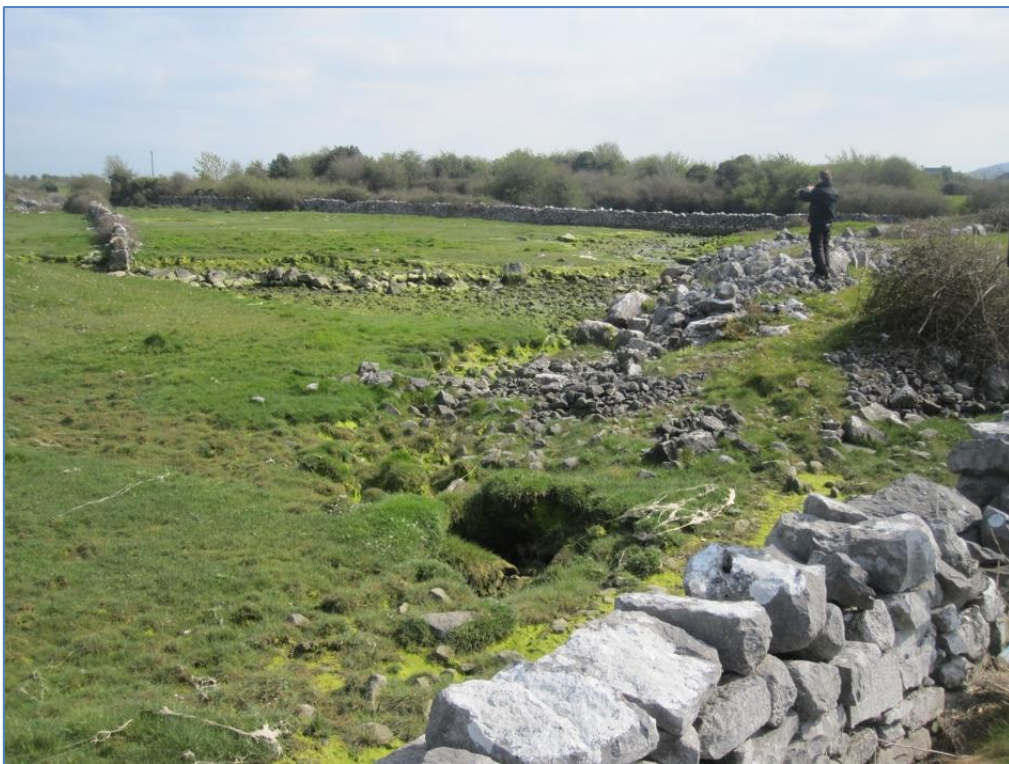**Site Importance – County Geological Site; recommended for Geological NHA**
This is one of numerous sites within the Gort-Kinvara lowlands which make up a complex of international importance. The site is recommended to NPWS for designation as a geological NHA, comprising one of 16 critical sites within the Gort-Kinvara lowland karst which is one of the best studied lowland karst areas of the World.

Management/promotion issues
The springs are on private farmland beside the road and can be viewed from the road, also in the intertidal zone on the rocky shore. Landowner permission should be sought to access the field more closely.

The springs at Corranroo are dispersed across several fields.

The springs at Corranroo.

Corranroo Springs

Corranroo Springs

Meehan et al. 2019. Geological Survey Ireland.