

## MAYO - COUNTY GEOLOGICAL SITE REPORT

|                                   |   |
|-----------------------------------|---|
| <b>NAME OF SITE</b>               | <b>Carrowteige</b>                                |
| Other names used for site         |   |
| <b>IGH THEME</b>                  | <b>IGH14 Fluvial and Lacustrine Geomorphology</b> |
| <b>TOWNLAND(S)</b>                | <b>Carrowteige, Carrownaglogh</b>                 |
| <b>NEAREST TOWN/VILLAGE</b>       | <b>Ballycastle</b>                                |
| <b>SIX INCH MAP NUMBER</b>        | <b>4</b>  |
| <b>ITM CO-ORDINATES</b>           | <b>480720E 841000N (burial ground parking)</b>    |
| <b>1:50,000 O.S. SHEET NO. 22</b> | <b>GS1 BEDROCK 1:100,000 SHEET NO. 6</b>          |
| <b>GIS Code MO026</b>             |   |

### **Outline Site Description**

The Carrowteige stream gullies comprise several gully channels which have formed by stream incision into the surface sediments during the past 12,000 years since the end of the last Ice Age.

### **Geological System/Age and Primary Rock Type**

The stream gullies have been eroded in the Holocene (post-glacial) Period (<12,000 years old). The underlying bedrock in this locality is metamorphic Dalradian-age psammite (Broadhaven Formation).

### **Main Geological or Geomorphological Interest**

The stream gullies cut into surface cover comprising wind-blown (aeolian) sand and glacial till (mainly metamorphic). Three large stream gullies are cut into the south-sloping hillsides between 50m and 20m above sea level by streams that flow southwards into the eastern part of Broadhaven Bay near Rinroe Point. The gullies mark the Carrowteige-Carrownaglogh and Carrownaglogh-Killgalligan townland boundaries, and a third occurs on the east side of the Carrowteige townland. The features are considered to have formed entirely in the Holocene (post-glacial) Period.

### **Site Importance – County Geological Site**

This County Geological Site exhibits fine examples of incised stream gullies.

### **Management/promotion issues**

The road from Carrowteige to the beach runs parallel (SW direction) to the upstream section of the Carrowteige-Carrownaglogh gully. Along the beach and coastal dune area, the gullies on the hillside are easily observable. However the features are on private land, and thus public access is not promoted.



Stream gully at Carrowteige, looking NE from lowlying sand dune area.



The upstream end of the stream gully on the Carrownaglogh-Killgalligan townland boundary.



The downstream end of the stream gully on the Carrownaglogh-Carrowteige townland boundary, looking south to Broadhaven Bay.



The downstream end of the stream gully on the Carrownaglogh-Carrowteige townland boundary, looking north.



Stream gully running north to south (left-right). Dooncarton tower in distance.

