

A Day in the Gower

Two friends, Elin and Morgan, are staying with family in Swansea at the end of May.

They want to spend one of their days on the Gower peninsula, walking across the famous Worm's Head causeway. You can only walk across when the tide is low, so they have to plan their day out carefully.

They do not have a car, so they hope to catch the bus from Swansea bus station to Rhossili. From Rhossili, it's about a half hour walk to the causeway.

In total, it is a 7 km walk from Rhossili to Worm's Head and back. They hope to spend a couple of hours on Worm's Head.

Elin has found the bus timetable, and Morgan has downloaded a tide chart for Worm's Head for the coming week. The weather forecast looks fine for Tuesday the 26th and for Friday the 29th, but there will be rain on Wednesday and Thursday.

Plan a day out for Elin and Morgan, using the timetables and the tidal chart, choosing which day they should travel, and which buses they should catch going there and coming back. You must also try to work out how long they can spend on Worm's Head, and what time they must leave to get safely back on the mainland before the tide rises again.

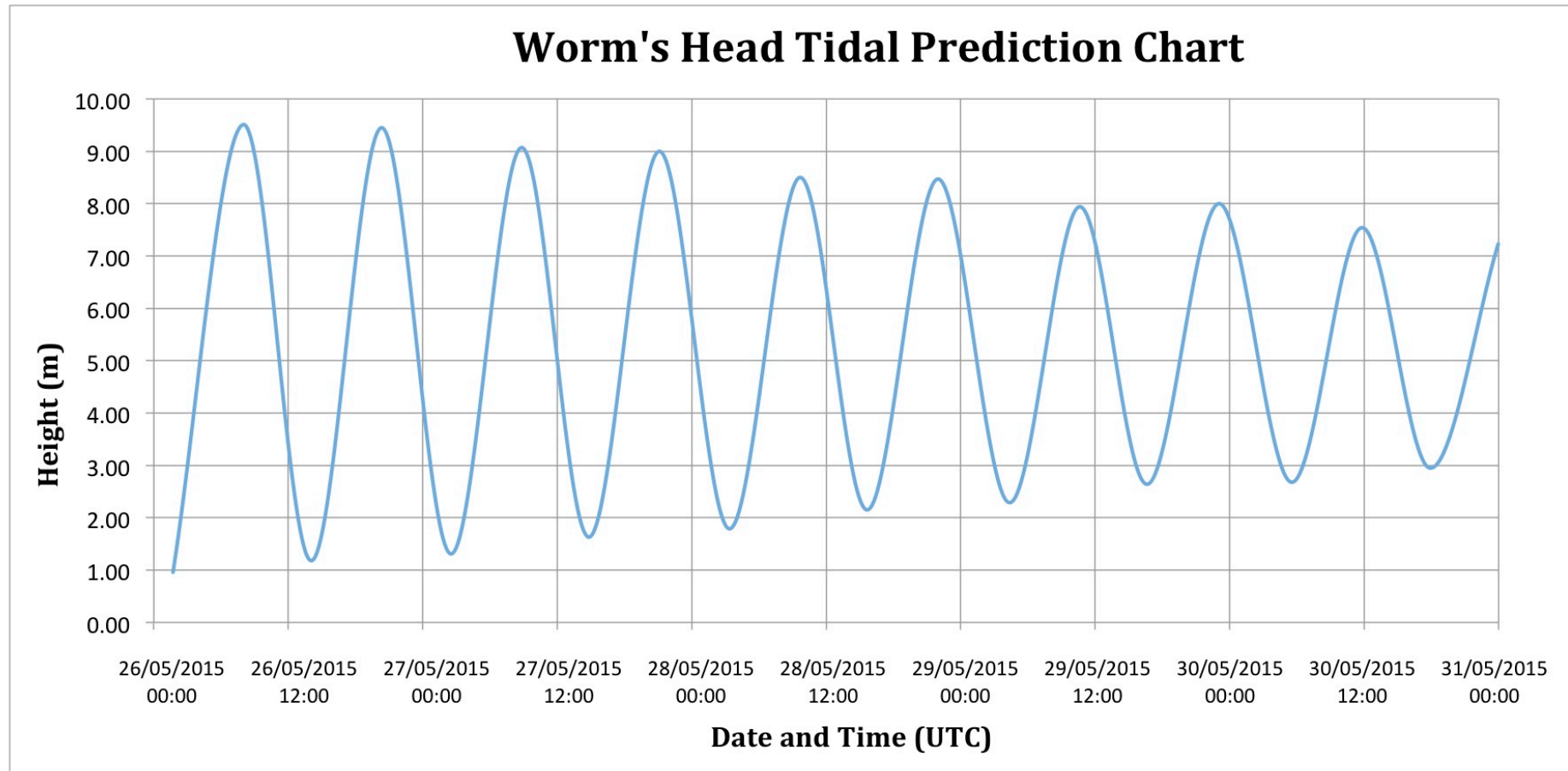
Note

Morgan realises that the tidal prediction chart gives times in UTC (Co-ordinated Universal Time), which is the same as GMT (Greenwich Mean Time). However, it's summer, so the UK is using British Summer Time which is one hour later. This means if low tide is shown at 17:00 UTC, it is 18:00 BST. How does this affect their journey?



Tidal Prediction Chart: Worm's Head

Times shown are UTC. Add 1 hour for BST.



It is possible to cross over to the Worm for 2½ hours either side of low tide. Please be aware that these are only predictions, and local weather may change the safe times to cross by as much as 30 minutes.

For a current tide chart try: http://www.bbc.co.uk/weather/coast_and_sea/tide_tables/11/508

Bus Timetable

SWANSEA – OXWICH – PORT EYNON – RHOSSILI

via Parkmill, Reynoldston Green, Scurlage, Horton

Days of Operation	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat
Service No.	118	118	118	118	118	118	118	118	118	118	118	118 (S)
Swansea Bus Station	07:45	09:00	10:15	11:15	12:30	13:30	14:45	15:45	17:00	18:00	19:35	19:35
Killay	08:05	09:20	10:35	11:35	12:50	13:50	15:05	16:05	17:20	18:15	19:54	19:54
Parkmill	08:18	09:33	-	11:48	-	14:03	-	16:18	17:33	18:33	20:06	20:06
Penmaen	08:21	09:36	-	11:51	-	14:06	-	16:21	17:36	18:36	20:08	20:08
Oxwich Cross	-	-	-	-	-	-	-	-	-	-	-	-
Reynoldston Green	08:32	-	10:54	-	13:09	-	15:31	-	17:45	18:45	20:17	20:17
Scurlage	08:38	-	11:02	12:04	13:17	14:19	15:39	16:34	-	-	R	20:23
Port Eynon	-	-	-	-	-	-	-	-	17:56	-	R	-
Horton	09:09r	-	-	-	-	-	-	-	-	19:14r		20:44r
Port Eynon	09:04r	-	-	-	-	-	-	-	-	19:24r		20:49r
Scurlage	08:39	09:50	11:03	12:05	13:18	14:20	15:40	16:35	18:01	18:52		-
Rhossili	08:48	09:58	11:11	12:13	13:26	14:28	15:48	16:43	18:09	19:00	R	20:31

r – Bus runs to Port Eynon and Horton via Rhossili

R – Runs beyond Reynoldston Green on request

S – Runs from 20th July to 5th September [Except 31st August]

Bus Timetable

RHOSSILI – PORT EYNON – OXWICH – SWANSEA

via Horton, Scurlage, Reynoldston Green, Parkmill

Day of Operation	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat	Mon-Sat
Service No.	118	118	118	118	118	118	118	118	118	118	118	118 (S)
Rhossili	07:19	08:51	10:06	11:20	12:21	13:35	14:29	15:55	16:46	18:11	19:01	20:31
Scurlage	07:27	08:59	10:14	11:28	12:29	13:43	14:37	16:03	16:54	18:19	19:09	20:39
Port Eynon	07:33	09:04	-	-	-	-	-	-	16:59	17:56r	-	-
Horton	-	09:09	-	-	-	-	-	-	-	-	19:14	20:44
Port Eynon	-	-	-	-	-	-	-	-	-	-	19:19	20:49
Scurlage	07:39	09:14	10:15	11:29	12:30	13:44	14:45	16:03	17:04	18:20	19:24	20:54
Reynoldston Green	07:46	09:21	-	11:37	-	13:51	-	16:08	17:09	18:25	19:29	20:59
Oxwich Cross	-	-	-	-	-	-	-	-	-	-	-	-
Penmaen	07:56	-	10:28	-	12:43	-	14:48	16:18	17:19	18:35	19:39	21:09
Parkmill	07:59	-	10:31	-	12:46	-	15:01	16:21	17:22	18:38	19:42	21:12
Killay	08:13	09:50	10:45	12:00	13:00	14:15	15:15	16:35	17:36	18:52	19:54	21:24
Swansea Bus Station	08:35	10:10	11:05	12:20	13:20	-	15:35	16:55	17:56	19:12	20:13	21:43

r – Bus runs from Port Eynon via Rhossili

S – Runs from 20th July to 5th September [Except 31st August]