

Weekly Water Gaugings in the Milwr Tunnel

Taken near Olwyn Goch Shaft
Covering a 45 month period 1980—1984

Month & year	Max. on shift	Av. Water on plate (inches)	Max. water (inches)
April 1980	9	10	12
	9	7.5	7.5
	9	7	7
	9	6	6.5
May 1980	8	1.5	2
	8	-	-
	9	-	-
	1	-	-
June 1980	9	-	-
	8	-	-
	9	6	6.5
	9	6.5	7
July 1980	9	7	7.5
	9	3	3.5
	9	1.5	2
	1	-	-
Aug 1980	1	-	-
	9	-	-
	9	-	-
	9	-	-
Sept 1980	9	-	-
	9	-	-
	9	-	-
	9	-	-
Oct 1980	9	-	-
	9	-	-
	8	-	-
	9	7.5	7.5
	9	11	13.5
Nov 1980	9	7	7
	9	7	7
	9	8	8
	9	8	8
Dec 1980	9	7.5	8
	9	7	7
	9	6.5	6.5
	1	-	-
	1	-	-

Month & year	Max. on shift	Av. Water on plate (inches)	Max. water (inches)
Jan 1981	9	8	8
	9	9	10.5
	9	11	11
	9	8.5	9
Feb 1981	9	7.5	8.5
	9	12	13.5
	9	8	9
	9	7	7.5
Mar 1981	9	8	8
	9	11	14
	9	12	14
	9	14	15
April 1981	9	8.5	10
	9	7.5	7.5
	9	7	7
	9	6.5	6.5
	9	6.5	6.5
May 1981	9	-	-
	9	-	-
	9	-	-
	1	-	-
June 1981	9	8	8.5
	9	7	7.5
	8	6.5	7
	9	1.5	2
July 1981	9	-	-
	9	-	-
	9	-	-
	9	-	-
	9	-	-
	1	-	-
Aug 1981	1	-	-
	9	-	-
	9	-	-
	9	-	-
Sept 1981	9	-	-
	9	-	-
	9	-	-
	9	3	6
	9	8	10

Month & year	Max. on shift	Av. Water on plate (inches)	Maximum water (inches)
Oct 1981	9	13	14
	9	13.5	15
	8	11	13
	8	12	13
Nov 1981	9	9	9.5
	9	8	8
	9	9	12.5
	9	9	9
Dec 1981	9	11.5	13
	9	13	16
	9	7	7
	1	-	-
	1	-	-
Jan 1982	9	20	27
	9	10.5	12
	9	9	9
	9	8	8
Feb 1982	9	8	8
	9	8	8
	8	8	8
	9	7	7
Mar 1982	9	-	-
	9	-	-
	9	14	15
	9	8	8
April 1982	9	8	8
	9	7	7
	9	7	7
	9	6.5	6.5
	9	3	3
May 1982	9	2	2.5
	9	1	1
	9	-	-
	9	-	-
June 1982	1	-	-
	8	-	-
	9	-	-
	8	-	-

Month & year	Max. on shift	Av. Water on plate (inches)	Max. water (inches)
July 1982	9	2	2
	8	-	-
	8	-	-
	8	-	-
	1	-	-
Aug 1982	1	-	-
	8	-	-
	8	-	-
	8	-	-
Sept 1982	8	-	-
	8	-	-
	8	-	-
	8	-	-
	8	-	-
Oct 1982	8	6	6
	8	7	7
	8	10	11
	8	-	-
Nov 1982	8	8	9
	9	9	10.5
	9	10	12.5
	9	10	13
Dec 1982	9	8.5	10
	9	9	10
	9	9	9
	1	-	-
	1	-	-
Jan 1983	9	9	11
	8	7.5	8
	7	-	-
	7	6.5	7
Feb 1983	7	7	8
	8	6	6.5
	8	6	6
	8	5.5	6

Month & year	Max. on shift	Av. Water on plate (inches)	Max. water (inches)
Mar 1983	8	6.5	7
	8	6	6.5
	8	6.5	7
	8	9.5	11
	8	10	10.5
April 1983	8	-	-
	8	-	-
	8	8.5	9.5
	8	-	-
May 1983	8	-	-
	7	9.5	11
	7	-	-
	8	9	9
	1	-	-
June 1983	8	7.5	8
	8	7	7
	8	6	6.5
	7	3	4
July 1983	8	1	1
	8	-	-
	8	-	-
	1	-	-
Aug 1983	1	-	-
	8	-	-
	8	-	-
	8	-	-
Sept 1983	8	-	-
	8	-	-
	7	-	-
	8	4	6.5
	8	2	2
Oct 1983	8	-	-
	7	6.5	6.5
	7	8.5	9
	7	-	-

Month & year	Max. on shift	Av. Water on plate (inches)	Max. water (inches)
Nov 1983	8	4	5
	8	-	-
	8	-	-
	8	-	-
Dec 1983	8	6.5	7.5
	8	6	8
	8	7	9
	1	-	-
	1	-	-
Jan 1984	7	7	7.5
	7	7	7.5
	7	8	9.5
	8	7	7
Feb 1984	8	-	-
	8	-	-
	8	8	8.5
	8	7	7.5
Mar 1984	8	-	-
	8	7	7.5
	7	8	9.5
	7	-	-
	7	8.5	9.5
Apr 1984	7	7	7
	8	6.5	6.5
	8	6	6
	8	-	-
May 1984	8	-	-
	8	-	-
	8	-	-
	8	-	-
June 1984	8	-	-
	8	-	-
	7	-	-
	8	-	-
	7	-	-

Month & year	Max. on shift	Av. Water on plate (inches)	Max. water (inches)
July 1984	7	-	-
	7	-	-
	7	-	-
	1	-	-
Aug 1984	1	-	-
	7	-	-
	7	-	-
	6	-	-
Sept 1984	7	-	-
	6	-	-
	8	-	-
	8	-	-
	8	2.5	3.5
Oct 1984	8	-	-
	8	6.5	7
	8	4.5	6
	8	7.5	8
Nov 1984	8	7	7
	8	15	20
	8	14.5	16.5
	8	9	10
Dec 1984	8	9.5	10.5
	8	12	14
	8	9	9.5
	8	7.5	8
	1	-	-

Comments

The figures have been re-typed from damaged pages rescued from the vandalised HDUM offices at Hendre about 1990.

The original is amongst the Grosvenor Caving Club library "HDUM papers".

"Average water on plate" is possibly measured as the height above the turning plate at Olwyn Goch (any other ideas?).

It is not known if the many blank gaugings are due to the water level being below the level of the plate or that gaugings were not taken.

During the 3rd week in October 1982, water was 10" above plate but the following week is shown as blank. Such a rapid drop in level seems unlikely and suggests that gaugings were not taken.

The highest figure quoted is 27" for the first week of January 1982. For comparison, the height during the Great Flood of November 2000 was around 36" above sleeper level.