**Explanation of Data Editing for Effects of Freezing**

Data points have been delete when the water level record has been affected by the river and/or recorder stilling well water freezing. These events are generally characterized by unusually large fluctuations during some winter months. An example is shown in the graph below when the level is shown to fluctuate abnormally in late May to early June, mid June and again in early July 1988.

 A gap in the record has been inserted when data points have been deleted.

The dataset has been kept in a separate file.

The table below shows the periods of data deleted.



|  |  |
| --- | --- |
| Start | finish |
| 14/08/1978 | 2/07/1978 |
| 16/07/1978 | 19/07/1978 |
| 15/06/1982 | 21/06/1982 |
| 28/06/1982 | 15/07/1982 |
| 22/07/1982 | 29/07/1982 |
| 22/06/1984 | 24/06/1984 |
| 9/07/1984 | 9/7/1984 |
| 10/07/1984 | 10/7/1984 |
| 17/07/1984 | 20/07/1984 |
| 3/06/1985 | 3/6/1985 |
| 22/05/1988 | 22/5/1988 |
| 24/05/1988 | 6/06/1988 |
| 14/06/1988 | 16/06/1988 |
| 27/06/1989 | 2/07/1989 |
| 22/07/1989 | 30/07/1989 |
| 2/09/1989 | 2/9/1989 |
| 1/06/1991 | 5/08/1991 |
| 30/05/1992 | 20/07/1992 |
| 22/06/1995 | 7/08/1995 |
| 2/07/1996 | 3/08/1996 |
| 23/08/1996 | 23/8/1996 |
| 19/06/1997 | 10/07/1997 |
| 15/07/1997 | 15/7/1997 |
| 5/08/1997 | 9/08/1997 |
| 27/06/1999 | 30/06/1999 |
| 29/05/2001 | 6/06/2001 |
| 5/07/2001 | 27/07/2001 |
| 1/06/2002 | 1/6/2002 |
| 14/07/2002 | 20/07/2002 |
| 28/07/2002 | 2/08/2002 |
| 12/07/2003 | 12/7/2003 |
| 21/07/2004 | 3/08/2004 |
| 13/06/2004 | 13/6/2004 |
| 6/06/2005 | 7/06/2005 |
| 13/06/2000 | 17/06/2005 |
| 25/06/2005 | 28/06/2005 |
| 11/07/2005 | 13/07/2005 |
| 17/07/2005 | 17/7/2005 |
| 11/06/2007 | 29/06/2007 |
| 8/07/2007 | 24/07/2007 |
| 1/07/2008 | 1/7/2008 |
| 8/07/2008 | 11/07/2008 |
| 19/07/2008 | 20/07/2008 |
| 9/07/2009 | 14/07/2009 |
| 18/07/2009 | 20/07/2009 |
| 5/07/2010 | 15/07/2010 |
| 19/07/2010 | 19/7/2010 |
| 1/07/2011 | 3/07/2011 |
| 22/07/2011 | 27/07/2011 |
| 19/08/2011 | 21/08/2011 |
| 17/06/2012 | 17/6/2012 |

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