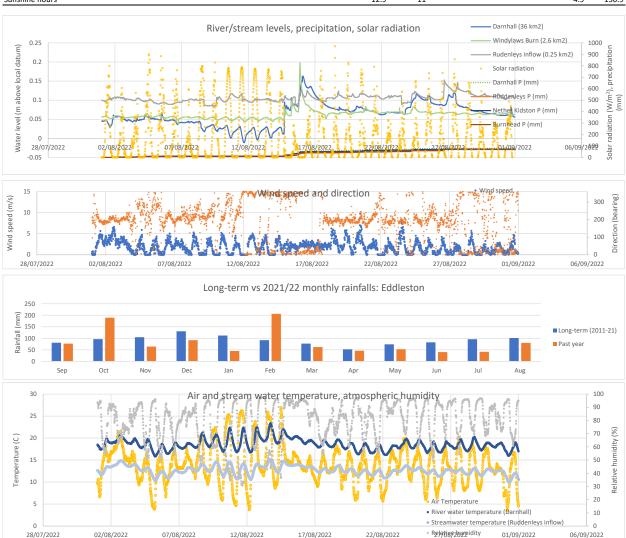


Eddleston Water Project Monthly weather and hydrology report

August 2022



Monthly statistics	Hourly values		Daily values				Month	
	Max Day/time	Min Day/time	Max	Day	Min	Day	Average	Total
Precipitation (Darnhall Mains) (mm)	14 14 @ 17:30		28.6	15				80.4
Precipitation (Craigburn Farm) (mm)	10 14 @ 17:15		27.8	15				92.0
Precipitation (Wester Deans) (mm)	7 15 @ 20:15		22.8	15				75.6
Precipitation (Ruddenleys) (mm)	6.4 26 @ 15:45		18.2	15				70.0
Precipitation (Nether Kidston) (mm)	12.6 14 @ 17:15		27.2	15				72.4
Precipitation (Burnhead) (mm)	12.6 15 @ 19:15		23.8	15				69.8
Runoff depth (Darnhall Mains) (mm)								14.9
Air temperature (Darnhall Mains) (C)	26.6 14 @ 12:30	3.6 31 @ 4:30	18.4	2	10.5	31	13.8	
Relative humidity (Darnhall Mains) (%)							80.3	
Sunshine hours			12.9	11			4.9	150.9



Air temperatures remained high at the beginning of the month, where 26.6 C was recorded at midday on the 14th. These temperatures were shown to drop slightly towards the end of the month where the lowest recording of 3.6 C was shown in the early morning of the 31st. Although temperatures were seen to drop towards the end of the month, no frost events have been recorded yet. River water temperatures were seen to mirror these air temperature changes.

A total of 80.4 mm of precipitation was recorded at Darnhall Mains, just under double of that seen in the previous month of July. Previous years have displayed a far greater total precipitation in the long term such as that of 2019 where 132 mm was recorded. On the 15th a rise in the water level was seen at all gauging sites as a result of increased precipitation. Darnhall, Craigburn and Nether Kidston all received a daily maximum of 28 mm in precipitation on this date, other sites such as Ruddenleys recieved 18mm of precipitation.

All data subject to revision through a process continual review and quality assurance. Report prepared by Rebekah Egan, approved by Andrew Black.

Real-time data available at: https://hydro-data.dundee.ac.uk/eddleston

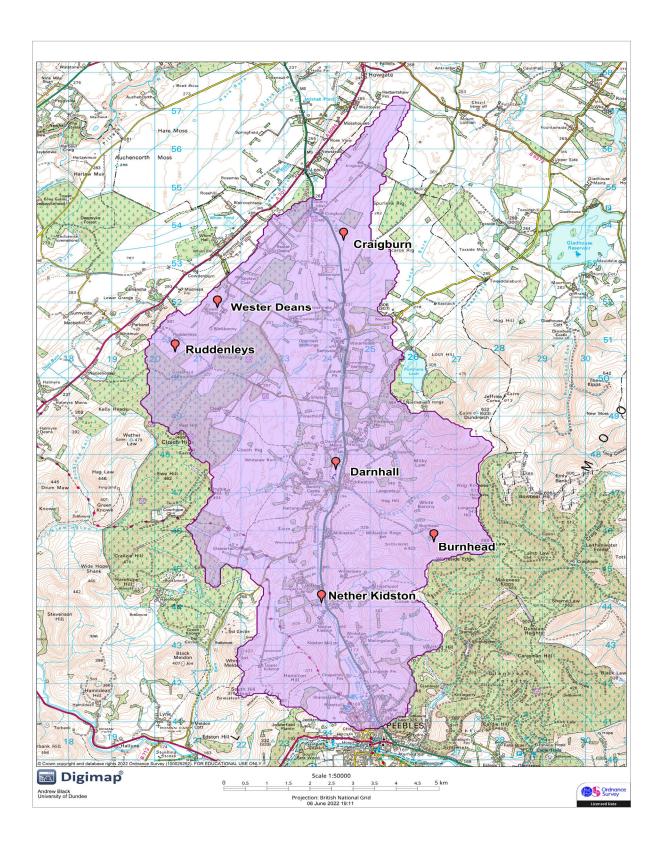












The Eddleston Water Project

Funded by the Scottish Government, Interreg and the Scottish Environment Protection Agency (SEPA), this project aims to reduce flood risk and restore the Eddleston Water for the benefit of the local community and wildlife.

The project involves river re-meandering, the planting of over 300,000 trees and the creation of new wetlands. This should slow the speed and impact of floodwaters as well as creating new wildlife habitat, such as improved spawning for salmon. Our project partnership is closely monitoring the results, including any reduction in flood risk for downstream communities.

The project is a partnership initiative led by Tweed Forum, with the Scottish Government, SEPA and University of Dundee. Other key partners include British Geological Survey, Nature Scot, Scottish Borders Council, the Forestry Commission, National Farmers' Union of Scotland, the Tweed Foundation, Forest Carbon and the Woodland Trust. Tweed Forum works closely with landowners and the local community so that everyone can contribute ideas and follow the project's progress.

For more information, see: https://tweedforum.org/our-work/projects/the-eddleston-water-project/