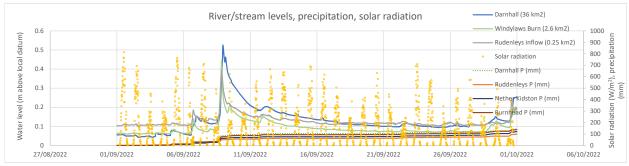


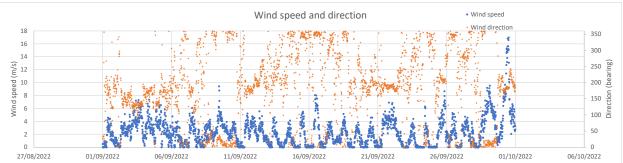
Eddleston Water Project Monthly weather and hydrology report

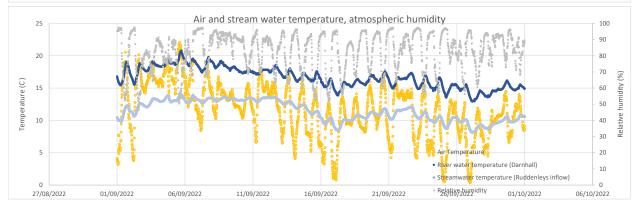
September 2022



Monthly statistics	Hourly values		Daily values	Daily values				Month	
	Max Day/time	Min Day/time	Max	Day	Min	Day	Average	Total	
Precipitation (Darnhall Mains) (mm)	11.6 08 @ 19:15		53.8	8				144.4	
Precipitation (Craigburn Farm) (mm)	12.4 06 @ 15:15		35.2	8				124.2	
Precipitation (Wester Deans) (mm)	8 08 @ 19:00		28.2	8				94.4	
Precipitation (Ruddenleys) (mm)	7.6 06 @ 14:45		23.4	8				98.6	
Precipitation (Nether Kidston) (mm)	8.2 08 @ 19:30		35	8				120.8	
Precipitation (Burnhead) (mm)	9.2 08 @ 19:15		42.8	8				138.0	
Runoff depth (Darnhall Mains) (mm)								35.8	
Air temperature (Darnhall Mains) (C)	21.8 05 @ 14:15	0.5 27 @ 0:15	17.9	5	7.1	26	11.7		
Relative humidity (Darnhall Mains) (%)							82.8		
Sunshine hours			8.2	24			3.6	107.6	







The beginning of September brought large quantities of heavy rainfall and flooding to a large area of Scotland, but no flooding as such to the Eddleston Water. A total of 144.4 mm for the month was recorded at Darnhall, this is the highest long-term rainfall total seen for September in the past 9 years, coming just short of the 167mm seen in September 2011. All sites maximum daily values were recorded on the 8th of the month, consequently a sharp increase in water levels were shown as Darnhall water levels reached just over 0.5 m above local datum. As the month progressed these water levels dropped significantly to around 0.1 m above local datum.

Air temperatures and river water temperatures through the month were seen to begin to drop, a maximum temperature of 22 deg C was recorded on the 5th, dropping to a minimum temperature of 0.5 deg C recorded on the 27th. Although much colder than the past month of August, no frost events have been recorded as of yet.

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

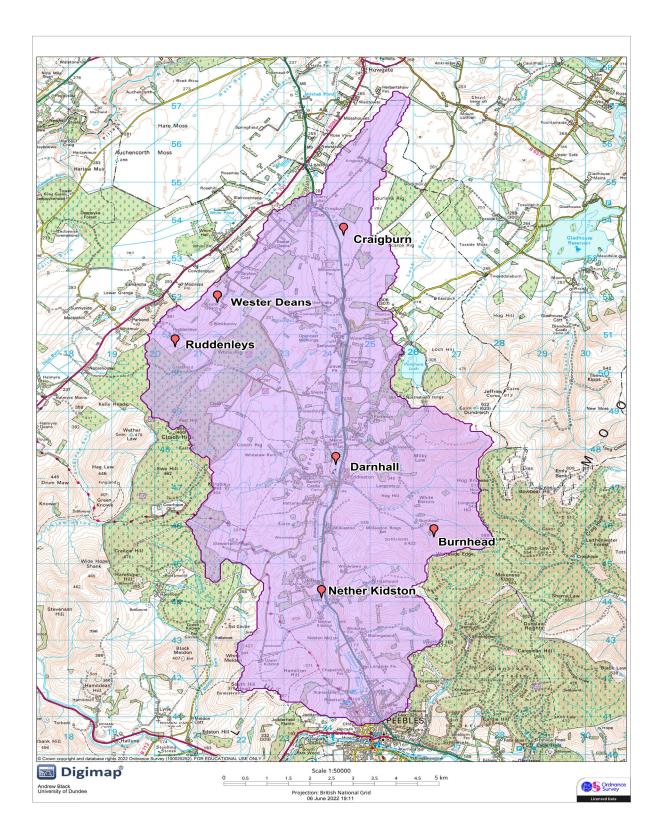












The Eddleston Water Project

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.