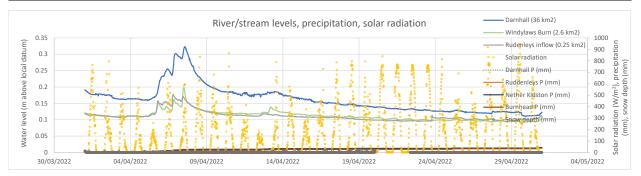


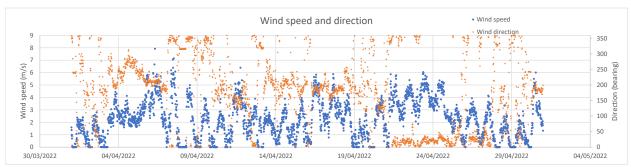
Eddleston Water Project Monthly weather and hydrology report

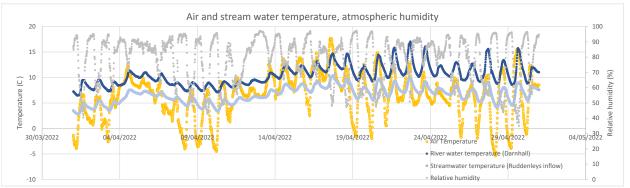
April 2022



Monthly statistics	Hourly values		Daily values				Month	
	Max Day/time	Min Day/time	Max	Day	Min	Day	Average	Total
Precipitation (Darnhall Mains) (mm)	4.6 06 @ 18:00		9.6	5				46.0
Precipitation (Craigburn Farm) (mm)	6.6 06 @ 18:00		12.8	6				46.2
Precipitation (Wester Deans) (mm)	4.4 06 @ 18:00		9	6				38.8
Precipitation (Ruddenleys) (mm)	4.2 06 @ 18:00		10	5				42.0
Precipitation (Nether Kidston) (mm)	3.4 06 @ 18:15		8.4	5				42.8
Precipitation (Burnhead) (mm)	2 06 @ 18:00		7.2	5				39.0
Runoff depth (Darnhall Mains) (mm)								43.7
Air temperature (Darnhall Mains) (C)	17.6 17 @ 13:45	-5.2 28 @ 5:15	12.8	17	1.7	8	6.5	
Relative humidity (Darnhall Mains) (%)							79.0	
Sunshine hours			12.1	21			5.3	162.0







Notes:

A rather uneventful month regarding river level changes, with only one rainfall event on the 6th of the month at 6pm, reaching a maximum hourly value of 4.6mm at Darnhall. River level peaked at 0.31m above local datum (compred with flood levels of ~ 1m). This rise in stream level is also mirrored by Windylaws Burn and Ruddenleys peaking at 0.2 m above local datum. Following this towards the end of the month river levels dropped slowly to 0.12 m and remained stable.

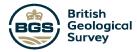
Air temperatures reached a high of 17.6 °C on the 17th, sunshine hours totalled at 162 for the month. Consequently river water temperatures at Darnhalll rose steadily from 6°C at the beginning of the month to a peak of 16°C on the 22nd. Low air temperatures of -5.2°C on the 28th were recorded, with 13 frost events still persisting through the month of April. There was some minor and very short lived snow accumulation, with the highest depth recorded this month of 20mm.

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

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

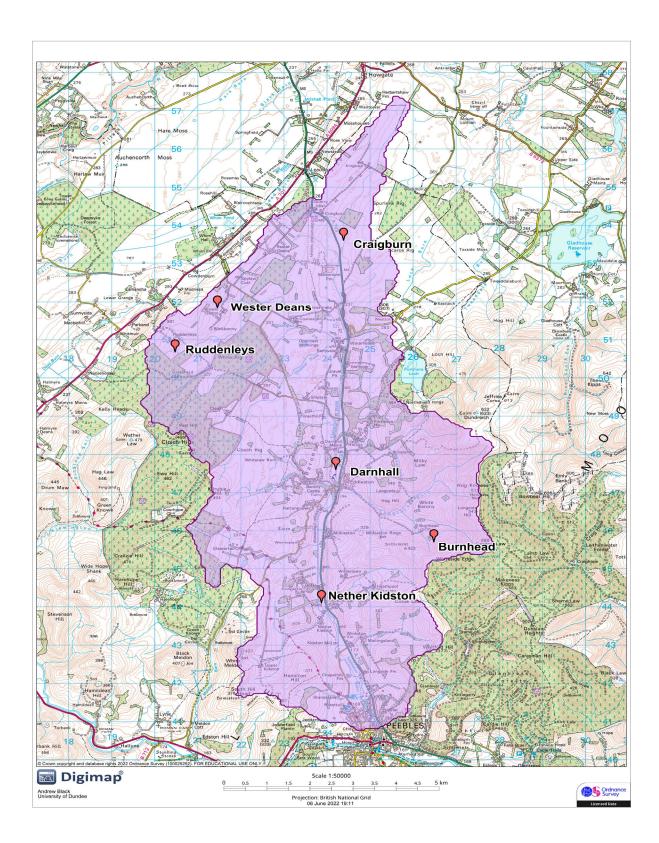












The Eddleston Water Project

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/