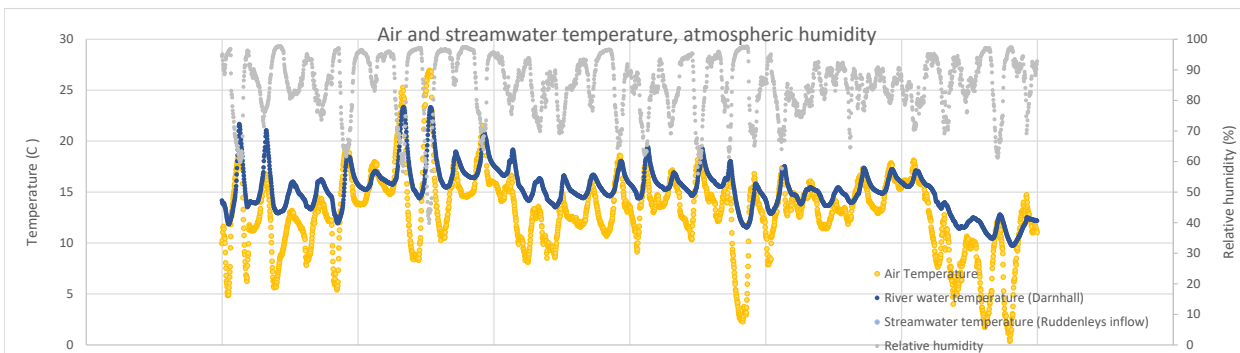
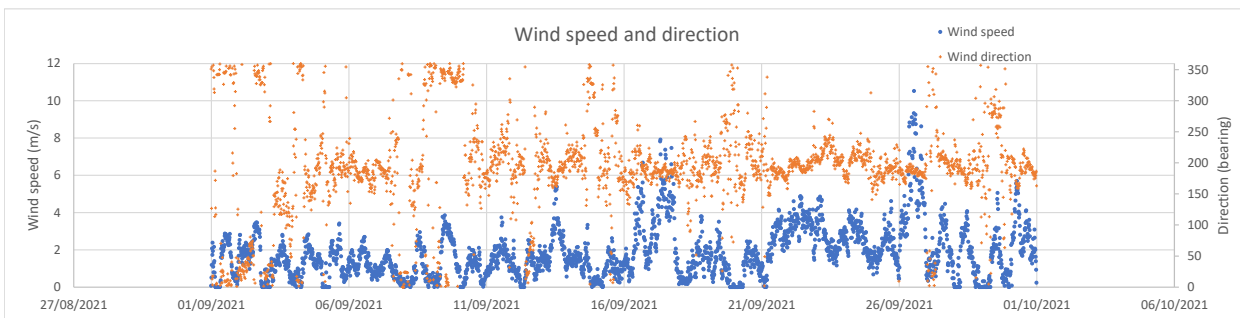
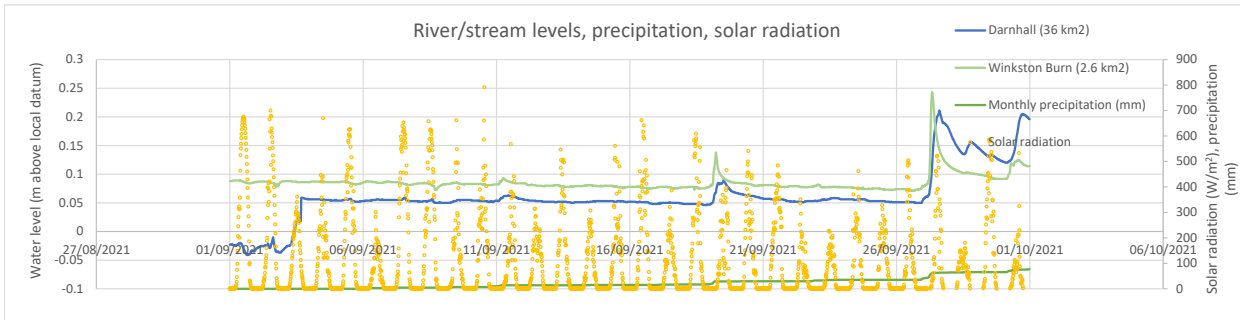




Monthly statistics	Hourly values				Daily values				Month	
	Max	Day/time	Min	Day/time	Max	Day	Min	Day	Average	Total
Precipitation (Darnhall Mains) (mm)	9.4	27 @ 06:15			23.6	27				77.2
Precipitation (Wester Deans) (mm)	6.8	27 @ 06:00			18.8	27				77.6
Precipitation (Nether Kidston) (mm)	9.4	27 @ 06:00			21.2	27				71.4
Precipitation (Burnhead) (mm)	10.6	27 @ 06:00			23	27				82.2
Runoff depth (Darnhall Mains) (mm)										12.5
Air temperature (Darnhall Mains) (C)	26.8	08 @ 15:30	0.6	30 @ 0:15	17.2	7	6.0	29	13.0	
Relative humidity (Darnhall Mains) (%)									85.1	
Sunshine hours					10.75	1			4.0	122.3



Notes

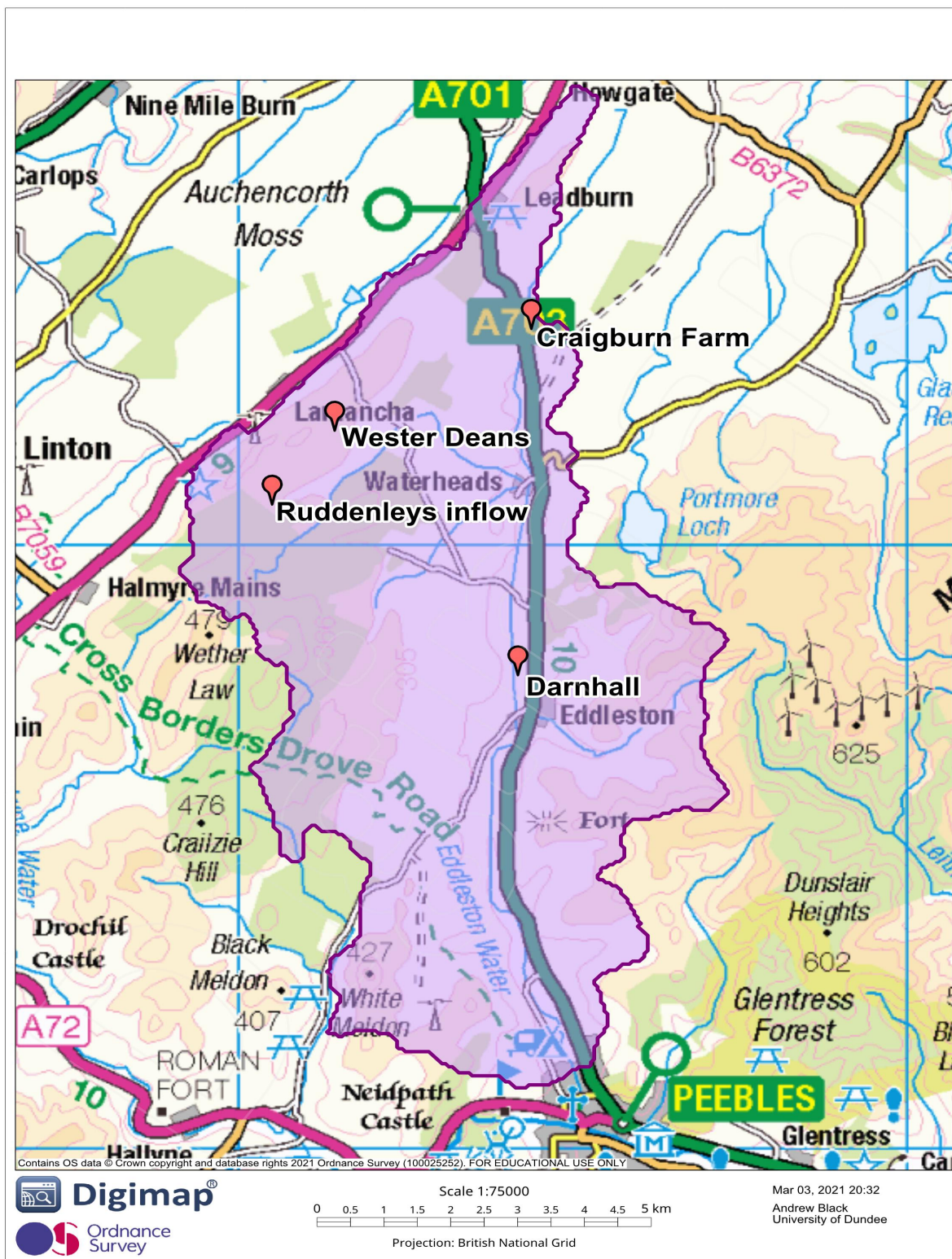
Rainfall for the month is close to the September average of 81 mm, and was concentrated in the second half of the month. The river levels showed a similar pattern but with a large peak in levels on 27/09 before dropping and rising again before the end of the month. Furthermore, the windspeed has varied throughout the month but also showing an overall increase towards the end, with speeds reaching over 10m/s on 26/09. The majority of the wind direction was SSW but commonly there were changes to Northerly winds. The river water temperature was still warmer than the air temperature as expected, but showed a slight decrease as the month goes on. The air temperature generally decreases over the month reaching a minimum of 0.6C on the 29/09. Technical difficulties resulted in Ruddenleys inflow and Craighburn data being offline.

All data subject to revision through a process continual review and quality assurance.

Report prepared by Rebekah Egan and Morven Wilkie; approved by Andrew Black

Real-time data available at: <https://hydro-data.dundee.ac.uk/eddeleston>





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/>

This monthly report is produced by student volunteer effort at the University of Dundee. For more info, see:

<https://sites.dundee.ac.uk/hydrology>