

SITE NAME	LOCATION CODE	EASTING	NORTHING	LATITUDE Datum: WGS84	LONGITUDE Datum: WGS84	Altitude (metres)	DESCRIPTION	MAIN SOIL TYPES	VEGETATION	LAND MANAGEMENT	MINING	START DATE	END DATE	COMMENTS
Rainfall	CR	282869	288588	52.4826	-3.7263	575	Near met. site at Carreg Wen.	Peat	Acid moorland	Rough sheep grazing	NA	6-Mar-2007	27-Jan-2009	Volume measured using ground-level tipping-bucket rain gauge ~20 m away
Lower Hafren	LHF	284281	287758	52.4754	-3.7052	352	Main Hafren stream channel above lower flume	Podzol/Gley	50% plantation Sitka spruce forest with semi-natural moorland headwaters	Phased felling / thinning since 1985	None	6-Mar-2007	11-Mar-2008	
Upper Hafren	UHF	282842	289180	52.4879	-3.7269	550	Main Hafren stream channel above forest boundary	Peat	Semi-natural acid moorland	Very low intensity sheep grazing	None	6-Mar-2007	27-Jan-2009	

CONVERSION FROM STREM FLOW TO AREA-WEIGHTED RUNOFF		
Site Name	Site Code	Catchment Area sq. km.
Lower Hafren	LHF	3.58
Upper Hafren	UHF	1.22
(UHF drainage area is 122 ha to flow gauging point and 117 ha to chemistry sampling point)		
To convert from Cumecs to mm/15min (flow)		
mm/15min = cumecs * 0.9 / (catchment area km^2)		
To convert from mm/15min (flow) to Cumecs		
cumecs = (mm/15min) * (catchment area km^2) / 0.9		