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NRFA PEAK FLOW DATASET VERSION 11.1

Note on changes from v11

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DOCUMENT VERSION CONTROL

Version	Date	Author	Description
1.0	MARCH 2023	STEVE TURNER, OLIVER SWAIN	Release note for NRFA Peak Flow Dataset version 11.1

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1 INTRODUCTION

Version 11.1 of the NRFA Peak Flows Dataset contains AMAX and POT data for 939 gauging stations, of which 638 are in England, 166 are in Scotland, 94 are in Wales and 41 are in Northern Ireland. A total of 543 stations are recommended for use in pooling groups ('Suitable for Pooling'), 345 stations are 'Suitable for QMED' and 51 stations are 'Suitable for Neither'.

Version 11.1 contains:

- Peak Flow Dataset files including FEH22 (Section 1.1)
- Amendment to FEH Suitability at one site (Section 2)
- Station number change at one site (Section 2)

There are no other changes to the data files since Version 11. For the most recent list of major changes (e.g. to flow data) users should refer to the release note for Version 11.

1.1 Changes to file contents

A new set of catchment descriptors is included within the XML format files. The Depth Duration Frequency (DDF) rainfall descriptors are now provided for FEH22. DDF rainfall descriptors were already included for FEH13 in Peak Flow Dataset V10 and V11, and now going forwards with V11.1 both FEH13 and FEH22 DDF rainfall descriptors will be both shown in the XML files for use in ReFH2.

These changes have been made to include the latest UK-wide statistical model for rainfall depth-duration – frequency estimation in the download of the NRFA Peak Flows Dataset.

There is more information available [about DDF](#) and [FEH22](#) available on the FEH Web Service.

The dataset download still contains the file formats that are compatible with previous versions, and should therefore not cause any issues for users of earlier versions of WINFAP.

2 NETWORK CHANGES

A minimal number of changes have been made to the gauging stations for which peak flow data are held on the NRFA since the release of version 11.

2.1 Changes to FEH Indicative Suitabilities

Indicative suitabilities have changed at one station at one station in England listed in Table .

Table 1: Stations with changes to indicative suitability in version 11.1.

NRFA Station	Station Name	Measuring Authority	V11 Suitability		V11.1 Suitability	
			QMED	POOLING	QMED	POOLING
26017	Ings Beck at South Newbald	EA-Y	YES	YES	YES	NO

2.2 Changes to Station Numbers

Station numbers have changed at one station in Wales, listed in Table 2. All data and metadata are now held under these new station numbers on the NRFA website and data are presented in files with these station numbers in the download for use in WINFAP.

Table 2: Station number changes in version 11.1.

Station Name	Measuring Authority	V11 Station Number	V11.1 Station Number
Twrch at Gurnos	NRW	60017	59003