



Appendix 1 – Recommendations – Progress status (Update December 2016)

Key to Table 1

PROGRESS TABLE	
13	Recommendation Complete
10	Recommendation In progress
1	Overdue/On hold

Directorate/National lead is Natural Resources Wales

Acronyms:

NRW – Natural Resources Wales
CCBC – Conwy County Borough Council
NMWTRA – North and Mid Wales Trunk Road Agency
NWC-REPS – North Wales Councils Regional Emergency Planning Service
NWP – North Wales Police



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Rec No	Status	Recommendation	Update	Delivery Lead	By When
1a		Investigate call handling procedures and telemetry alarm system to identify potential issues with receipt/handling of river alarms	Awaiting Telemetry Review as part of NRW's Business Area Review	National	Spring 2017
1b		Investigate telemetry alarms and procedures are aligned	Review in progress	Directorate	Complete
2a		Review threshold levels for Flood Alerts, Flood Warnings and Operational Messages in all four flood warning areas	All thresholds have been reviewed, and work will be implemented Winter 2017, due to delay in the new Flood Warning System for Wales.	Directorate	Winter 2017
2b		Simplify Flood Alerts e.g. trigger based/automated etc.	Options paper developed and signed off for National implementation. Paper is part of NRW's Business Area Review.	Directorate/National	Summer 2017
3		Review requirement for pump at Cartref y Borth with both CCBC and NMWTRA	Pump reviewed, NRW to supply	Directorate	Complete
4		Review Bont Fawr gauge and consider installation of secondary gauge.	Primary gauge working satisfactorily, installation of secondary gauge almost complete.	Directorate	Spring 2017
5		Survey river bed profile upstream of Bont Fawr	Feed into the Conwy Valley model review	Directorate	Complete
6		Review operational response - short term measures to be implemented whilst investigation continues	Duty officers finalised by October	Directorate	Complete
7		Review resilience of duty rotas	<i>Further clarification on scope requested.</i> All rotas are double manned over the festive period 2016. Risk based approach will be taken on each public holiday and action as necessary.	Directorate	Complete



Rec No	Status	Recommendation	Update	Delivery Lead	By When
8		Investigate use of Flood Wardens providing feedback to the incident room on site conditions, supporting NRW.	Not within current roles and responsibilities of Flood Wardens. To be raised at National level. Include on Agenda for the Flood Incident Management sub group which will be organised in the new year. To be considered as part of the review of volunteering groups within NRW.	Directorate/National	TBC
9		Review the procedure and checklists for installing the Conwy Terrace demountable defence.	Reviewed and no change	Directorate	Complete
10		Review performance of the NRW flood forecasting model, including quality of Met Office input forecast rainfall data.	The calibration of the Conwy Model has been checked against 18 events from 2015, 11 of those events when Flood Warnings were issued. The outcome is that the model is well within performance parameters. The Performance issues relate to changes in rainfall forecasts being fed into the model before/during events. The NRW is currently testing a new merged rainfall product this winter season which may prove to be far more reliable and stable for use with the NRW forecasting models in future.	Directorate/National	Winter 2016/17

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11		Duty Officers training/exercises required - to include professional partners. Familiarisation of both organisational procedures required.	Multi Agency exercise will take place Spring/Summer 2017. All NRW duty officers have had refresher on all procedures in relation to Conwy Valley	Directorate	Spring/ Summer 2017
12		Investigate the possibility of providing Property Level Protection (PLP) to properties in Conwy Terrace as used by property No.1	CCBC have confirmed PLP delivered to 2 – 6 Conwy Terrace (No. 1 Conwy Terrace already have PLP)	Directorate/CCBC	Complete
13		Investigate installation of CCTV on site in Llanrwst to provide improved understanding of on-site conditions.	Communication continues between NRW/CCBC and NMWTRA	Directorate	Spring 2017
14		Review communication channels between NRW & Conwy CBC	Duty Officer's contact details received from CCBC	Directorate/CCBC	Complete
15		Review arrangement for closing the roads in conjunction with CCBC and NMWTRA	<i>Meeting to be set up with relevant parties</i> – Initial meeting taken place, and second meeting organised for new year.	Directorate/CCBC /NMWTRA/NWP	Winter 2016/17
16		Investigate options for CCBC to install demountable defences at Conwy Terrace	<i>Meeting taken place</i> – CCBC do not have the resources to carry out the installation. Their assistance cannot be guaranteed as deployed to biggest risk and therefore not a resilient solution.	Directorate/CCBC	Complete
17		Investigate options for NMWTRA to install demountable defences on the A470	<i>Meeting to be held with NMWTRA</i> - NMWTRA do not have resource to carry out the installation.	Directorate/ NMWTRA	Complete

		NMWTRA sub contractors are CCBC. Resilience issue as above.		
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Rec No	Status	Recommendation	Update	Delivery Lead	By When
18		Investigate the development of a community flood plan where NRW transfer some flood response responsibilities to the community	Would have to be considered and agreed at National level as not current role and responsibility of a flood warden. To be considered as part of the review of volunteering groups within NRW.	Directorate/National	TBC
19		Review the Flood Guidance Statement Telecons	Improved and incorporated within duty officers procedures	Directorate	Complete
20		Review the various flood plans (e.g. Conwy Valley Flood Plan/North Wales Forward Command Post Plan/Multi Agency Flood Plan)	<p><i>Conwy Valley Flood Plan – Owned by NWC-REPS</i></p> <p><i>Multi Agency Flood Plan – Owned by North Wales Local Resilience Forum</i></p> <p><i>FCP Plan – Owned by North Wales Local Resilience Forum</i></p> <p>Review taken place, new version of CVFP to be released Spring 2017</p> <p>New version of MAFP to be released March 2017</p> <p>FCP Plan to be split, one section to be included in the NWRF Major Incident Plan, and other section to be included in the MAFP</p>	<p>NWC-REPS</p> <p>NRW</p> <p>NWP</p>	Complete
21		Review setup of the Forward Command Post (Bronze) at Glasdir	Review has taken place, no changes required	Directorate	Complete
22		Llanrwst Town Council to take lead on producing a Community Flood Plan and recruitment of flood wardens	Due to the lack of volunteers within the community, the Town Council will now send a letter to all properties at risk in Llanrwst to ask for volunteers for the Flood Warden	Directorate	Winter 2016/17



			role. Community Flood Plan cannot be completed without wardens.		
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