

***NATIONAL WEATHER SERVICE WESTERN REGION SUPPLEMENT 1-2004
APPLICABLE TO INSTRUCTION 10-922
APRIL 1, 2004***

***Operations and Services
Hydrologic Services, NWSPD 10-9
Weather Forecast Office Hydrologic Products Specifications, NWSI 10-922
WFO PUBLIC HYDROLOGIC PRODUCTS***

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Certified by: W/WR2 (R. Tibi)

Type of Issuance: Routine

SUMMARY OF REVISIONS: This directive supersedes Western Region supplement 10-2002 applicable to instruction 10-922.

(1) Updated information for the FFA product to comply with the new 10-922.

Signed

01/05/04

Vickie Nadolski

Date

Director, Western Region

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1. Description: The purpose of this supplement is to clarify the implementation of NWSI 10-922 in Western Region, and to establish regional policy related to the headers, issuance criteria, contents and format of the WFO public hydrologic products.

2. Format and Procedures.

2.1 WFO Public Hydrologic Product Headers: All Western Region WFO public hydrologic products shall be issued under one of the following 7 product IDs and their associated unique MND header:

- A. ESF - Hydrologic Outlook
- B. FFA - Flood Watch
- C. FFW - Flash Flood Warning
- D. FLW - Flood Warning
- E. FLS - Flood Statement
- F. RVS - Hydrologic Statement
- G. RVD - Daily River and Lake Summary

A table is provided in this supplement describing which product ID and associated MND headers should be used for each type of WFO public hydrologic product and the issuance criteria for those products. The MND header may not be changed. A phrase describing the type of product should be included in the headline of the product. Examples of product headers and headlines are provided in Appendix A.

2.2 Product Issuance Criteria: Products are issued according to the issuance criteria stated in NWSI 10-922, and in the table in the appendix of this supplement.

The RVD product shall only be issued for daily river forecast points, i.e. points for which the RFC provides daily year-round, non-automated forecast guidance.

2.3 Product Content and Format: Product content and format are described in NWSI 10-922. Products shall only include information available to the forecasters at the time of product preparation, therefore it is expected that some products will be issued without some of the contents described in NWSI 10-922. For example, if the category of flooding is not known (minor, moderate, or major), that information should not be included in the product.

APPENDIX A

HEADER EXAMPLES

A. Hydrologic Outlooks - ESF:

*FGUS76 KPQR 132231
ESFPQR*

*HYDROLOGIC OUTLOOK
NATIONAL WEATHER SERVICE PORTLAND OR
330 PM PDT MON AUG 13 2003*

...WATER SUPPLY SUMMARY...

B. Flood Watch - FFA:

*WGUS66 KSGX 071041 CCA
FFASGX*

*URGENT - IMMEDIATE BROADCAST REQUESTED
FLOOD WATCH
NATIONAL WEATHER SERVICE SAN DIEGO CA
340 AM PDT SAT JUL 7 2003*

*...THE NATIONAL WEATHER SERVICE HAS ISSUED A FLOOD WATCH
FOR FLASH FLOODING IN THE SAN DIEGO COUNTY MOUNTAINS UNTIL
9PM...*

C. Flash Flood Warning - FFW:

*WGUS55 KTWC 140151
FFWTWC*

*BULLETIN - EAS ACTIVATION REQUESTED
FLASH FLOOD WARNING
NATIONAL WEATHER SERVICE TUCSON AZ
650 PM MST MON AUG 13 2003*

THE NATIONAL WEATHER SERVICE IN TUCSON HAS ISSUED A

** FLASH FLOOD WARNING FOR*

D. Flood Warning - FLW:

*WGUS46 KSTO 102212
FLWSTO*

*BULLETIN - IMMEDIATE BROADCAST REQUESTED
FLOOD WARNING
NATIONAL WEATHER SERVICE SACRAMENTO CA
255 PM PDT TUE JUL 10 2003*

*...THE NATIONAL WEATHER SERVICE IN SACRAMENTO HAS ISSUED A
FLOOD WARNING FOR THE SACRAMENTO RIVER AT TEHEMA BRIDGE...*

E. Flood Statement - FLS:

*WGUS86 KLOX 080400
FLSLOX*

*FLOOD STATEMENT
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA
900 PM PDT SAT JUL 7 2003*

*...THE FLOOD WARNING FOR THE SACRAMENTO RIVER AT TEHEMA
BRIDGE HAS BEEN ALLOWED TO EXPIRE...*

F. Hydrologic Statements - RVS:

*FGUS85 KSLC 191235
RVSSLC*

*HYDROLOGIC STATEMENT
NATIONAL WEATHER SERVICE SALT LAKE CITY UT
830 AM PST WED MAR 14 2003*

...RIVER STATEMENT...

ID	MND header	Type of Product	Issuance Criteria	WMO Header
ESF	Hydrologic Outlook	Spring Flood Potential Outlook Flood Potential Outlook Water Supply Outlook Water Supply Summary Drought Summary	.Possibility of flooding beyond 36 hours .Water supply information . Information on dry conditions . Possibility of flooding has ended, and no FFA, FLW or FFW was issued	FGUS75, FGUS76
FFA	Flood Watch	Flood Watch Flood Watch for Flash Flooding	. Flooding possible but not certain over next 36 hours . Areal extent or effective time of FFA changes . Dam/levee failure possible but not imminent . Cancellation or expiration of a FFA . Additional information to supplement FFA	WGUS65, WGUS66
FFW	Flash Flood Warning	Flash Flood Warning (initial issuance)	. Flash flooding defined as short fused (6 hours or less), life threatening flooding. . Flash flooding reported . Precipitation capable of producing flash flooding is detected by radar, rain gages, and/or satellite . Areal extent or effective time of previous FFW changes . Dam/levee failure imminent or occurring . Local tools indicate flash flooding is likely	WGUS55, WGUS56
FLW	Flood Warning	Flood Warning (initial issuance) Urban and/or Small Stream Flood Warning (initial issuance)	. Local tools and/or RFC guidance indicate flooding is likely or flooding is reported for official river forecast points, or for other parts of rivers or small streams. . Areal extent or effective time of previous FLW changes . Flood category increases (eg. minor to moderate)	WGUS45, WGUS46
FLS	Flood Statement	Flood Warning (continued/ended/canceled) Flash Flood Warning (continued/ended/canceled) Flood Advisory Urban and/or Small Stream Flood Advisory	. Cancellation or expiration of a FFW or FLW . Additional information to supplement FLW or FFW . Advisories are issued for minor, non-threatening flooding which is expected to cause little or no damage.	WGUS85, WGUS86
RVS	Hydrologic Statement	River Statement River Recreational Statement River Ice Statement River Summary	. All other public hydrology products not related to flooding	FGUS85, FGUS86
RVD	Daily River and Lake Summary	Daily River and Lake Summary	. Product issued daily for daily river forecast points (RFC provides guidance for those points every day of the year)	FGUS55, FGUS56