2023 OVERLAND FLOOD ASSESSMENT FOR NORTHERN AND CENTRAL NEVADA

Below is the overland flood assessment through the end of February:

There is a **LOW RISK** for overland flooding through February.

Despite much above normal snowfall this water year, continued colder than normal temperatures are expected through at least mid-February which looks to delay any major melting of the snowpack. However, if that changes and the Outlook appears to shift warmer in the second half of February and/or Atmospheric Rivers provide rain on snow, the risk could increase to MODERATE or HIGH depending on the weather conditions. Otherwise, our Spring Flood Outlook will begin in early March, which will more extensively highlight the Flood Potential for area rivers and streams.

The assessment is based on the following data:

*** PRECIPITATION:** Since October 1st, 2022, which is the beginning of Water Year, northern and central Nevada has received well above normal precipitation.

*** SNOW PACK:** Snow Water Equivalent (SWE), or the amount of water in the current snowpack, is well above normal across northern and central Nevada.

***SNOW DEPTH:** In general, snow depths are high, except for parts of Humboldt and northern Nye counties and fairly comparable to snow depths around this time in February of 2017.

*** SOIL MOISTURE:** Through January 2023…Soil Moisture varies, with some areas below normal while others are above normal.

*** FORECAST TEMPERATURE:** The outlook for February is for below normal temperatures in northern and central Nevada.

*** FORECAST PRECIPITATION:** The outlook for February is for near to above normal precipitation in all locations.

For historical references (see below):

Assessment Level	Similar Water Level Years
LOW	2015, 2018, and 2020
MODERATE	2016 and 2019
HIGH	2017*

*Though this year, the expected below normal temperatures this month and lack of any AR events will likely prevent the February overland flooding that was seen in 2017.

For a more in-depth briefing with graphics, please follow this link

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