




Snowmelt Flood Potential

June 2, 2017

Issued 1:45 PM Friday, June 2 2017

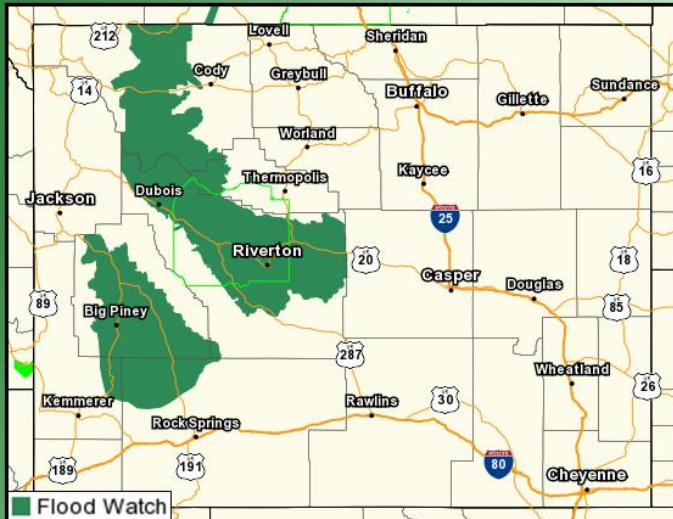
NWS Riverton – 1-800-211-1448

Flood Potential Increasing Rapidly!

 **Warmer Temperatures to Accelerate Snowmelt**





Snowmelt Flooding Possible between June 2 & 11

- Temperatures will gradually warm through the weekend of June 3 & 4. High temperatures by Sunday, June 4, could reach the lower 90s in the basins & 60-70°F in the mountains
- Temperatures will remain warm through next week, with Thursday & Friday (June 8 & 9) potentially very warm
- Snowmelt from a very healthy late season snowpack above 9,000 feet will produce significant water rises on creeks & rivers across western WY
- **Rivers of Primary Concern:** Tributaries and the main stem of the **Wind, Green, Shoshone, & Sweetwater** rivers



Flood Watch

Flood Watch posted for the Wind, Green, & Shoshone river basins (areas shown in **green**) from Friday morning, June 2, through Sunday night, June 4. Be alert to rising water levels!

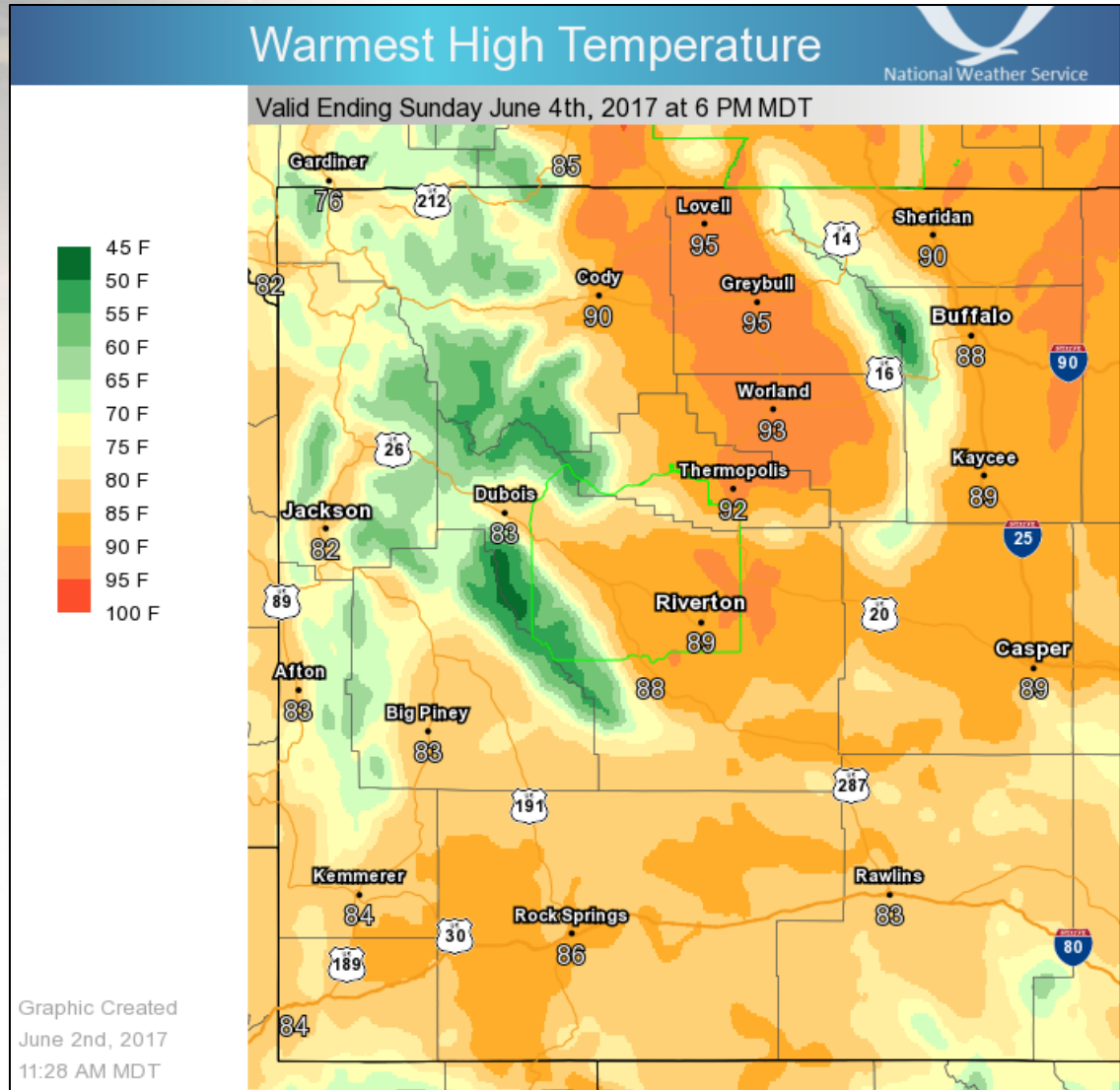
 weather.gov/riverton @NWSRiverton   

MAJOR POTENTIAL FOR FLOODING THROUGH NEXT WEEK!

- Flood Watch in effect for the Wind River, Green River and Shoshone River basins from now through Sunday night (6am Monday) – *future updates likely to be needed*
- Mountain temps at and above 9000 feet will rise from 50s to 60-70 degrees by Sunday!
- Basin temps will reach the lower 90s by Sunday afternoon

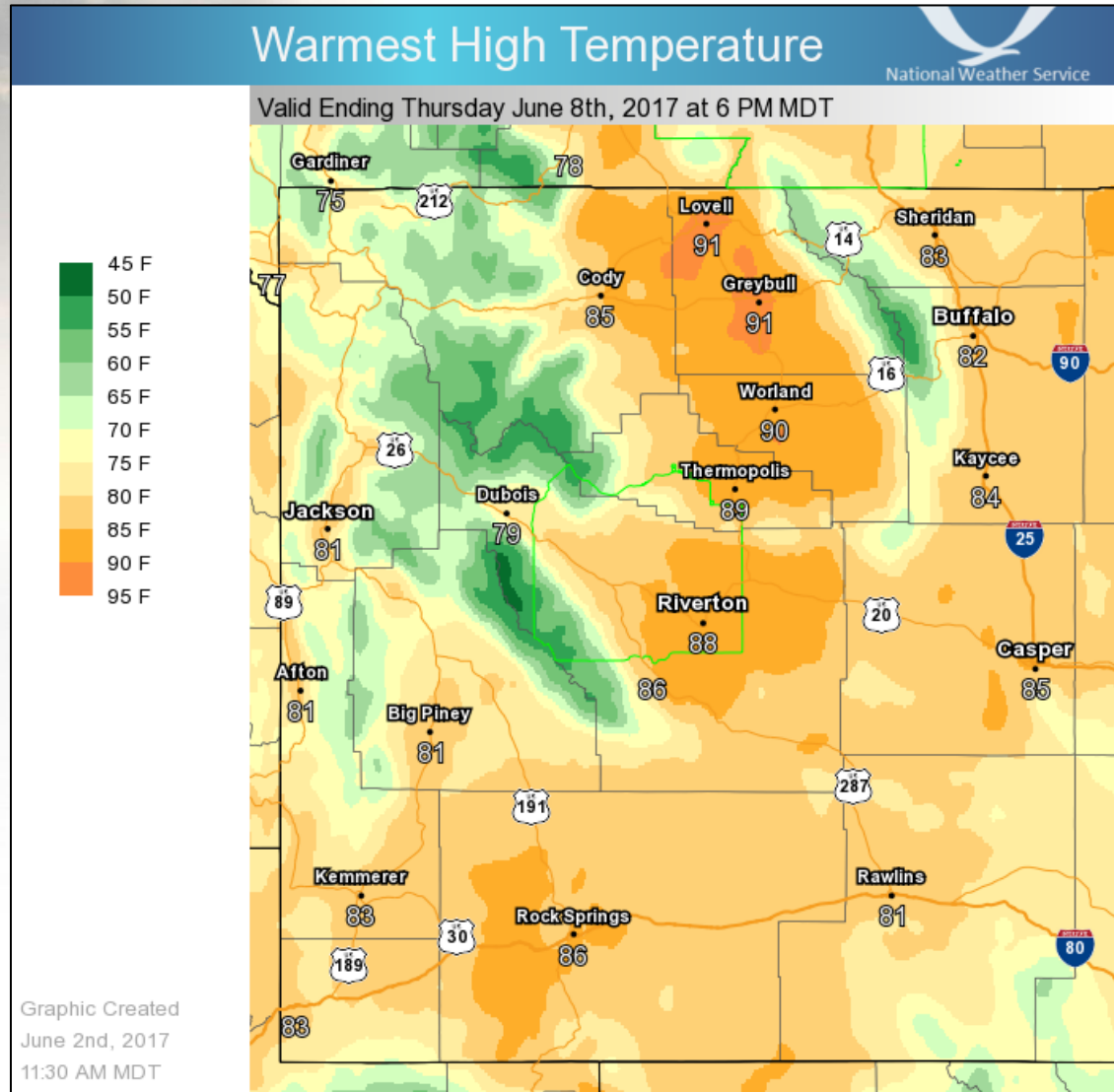
Temperature Forecasts

- Sunday
 - Mountains: 60-70F, perhaps 75F
 - Upper 80s to around 95F in the basins
- Monday
 - Similar temperatures



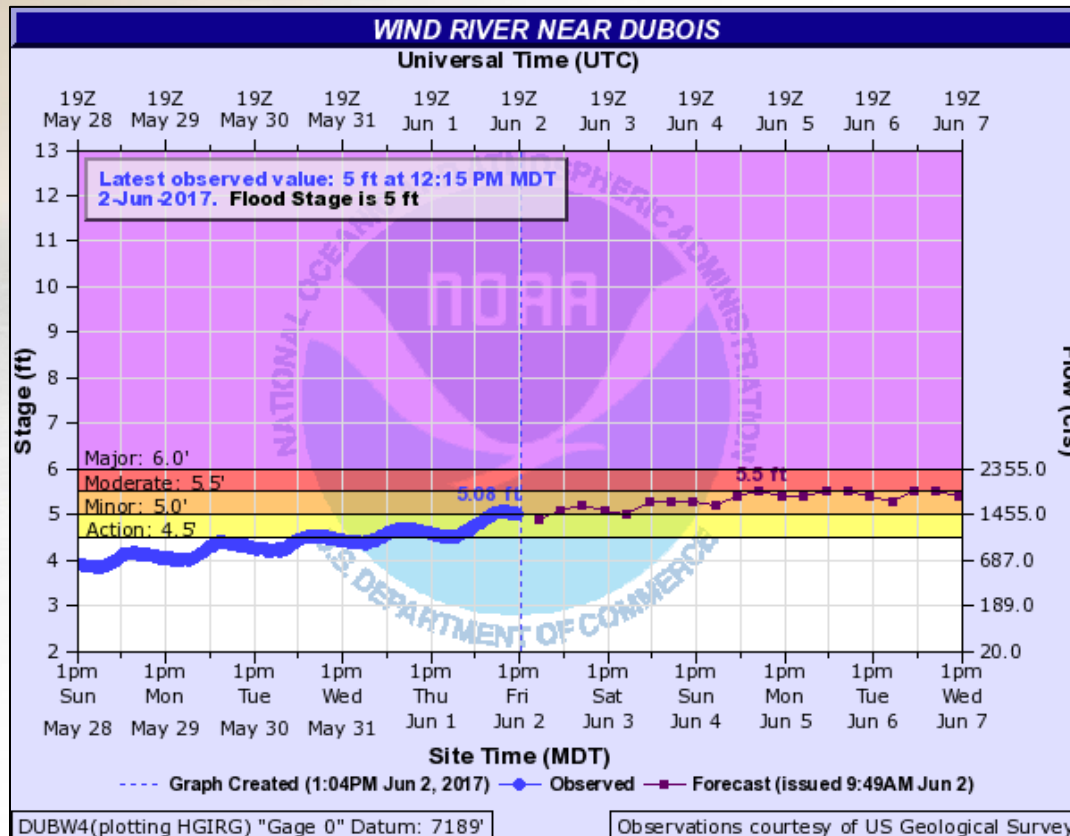
Temperature Forecasts

- Late Next Week (Thu-Sat)
 - Similar to Sunday & Monday, perhaps even warmer
 - Tuesday is the coolest day, but snowmelt will likely continue all week



Impacted Rivers

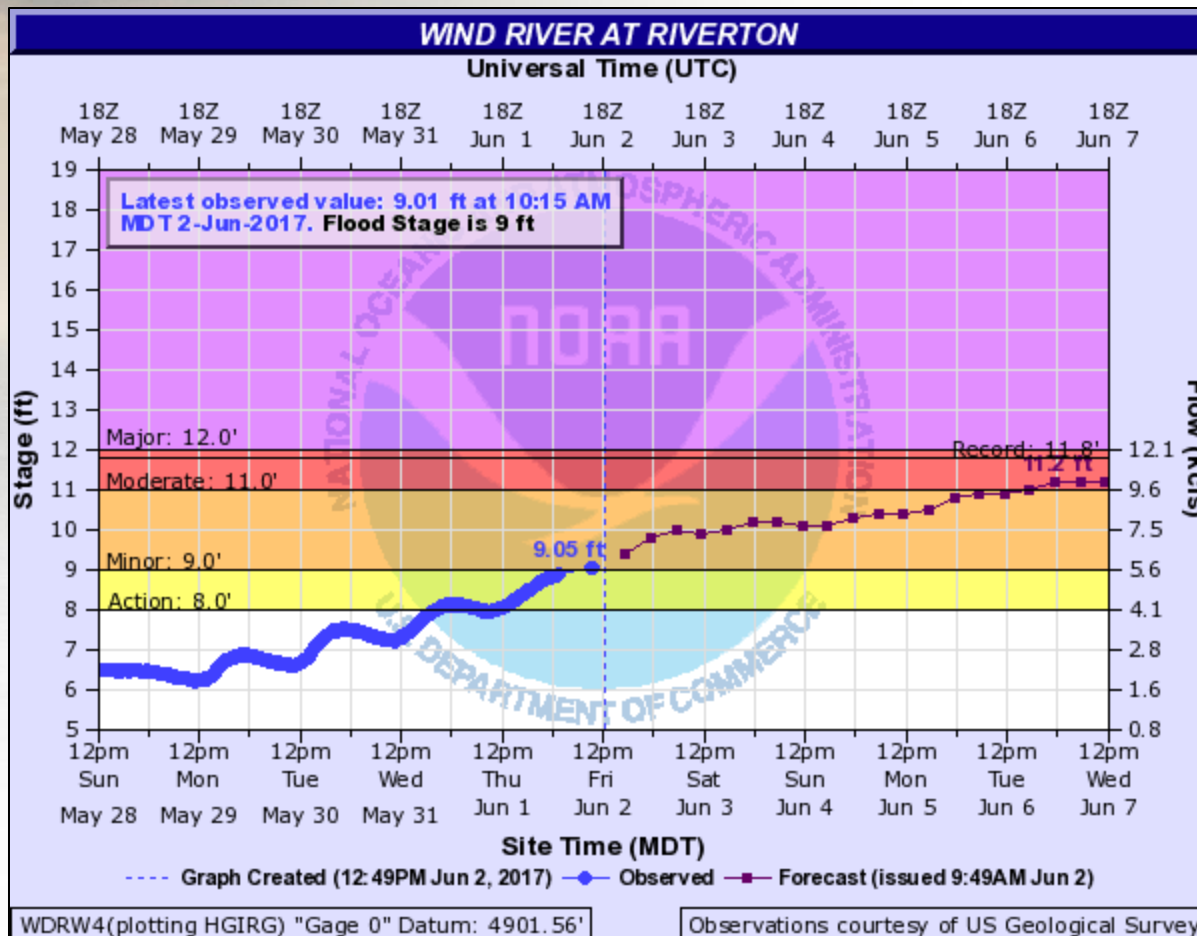
- Wind River near Dubois
- Already at flood stage of 5 feet
 - Will rise above flood stage of 5 feet and crest around 5.5 feet by 6 am Monday, June 5 and remain nearly steady through Wednesday
 - Similar to crest of June 1972 and close to record of 5.65 feet in 2011



Impacted Rivers

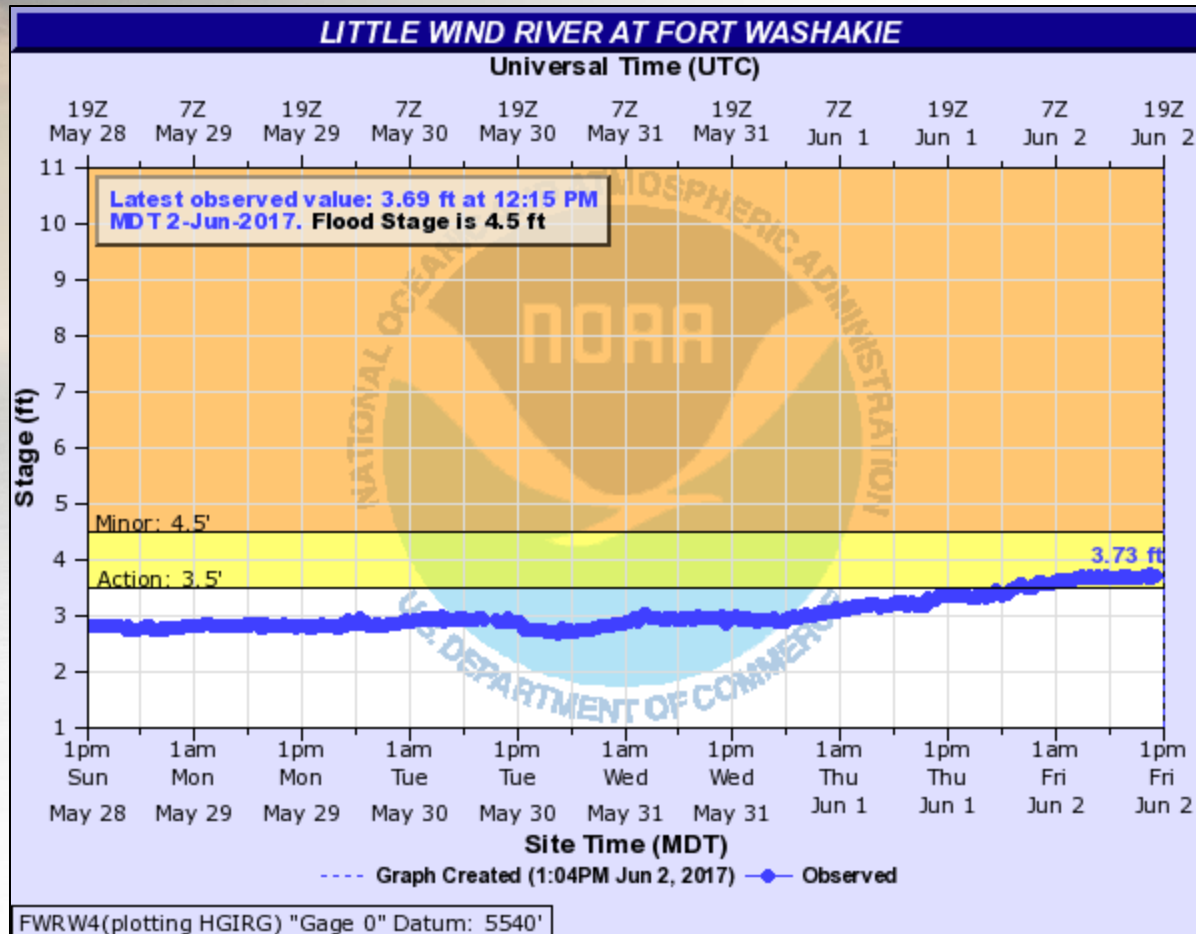
- Wind River at Riverton

- Current Forecast Crest: 11.2 feet Tuesday, June 6
- Compares favorably to crest 10.9 feet June 1997



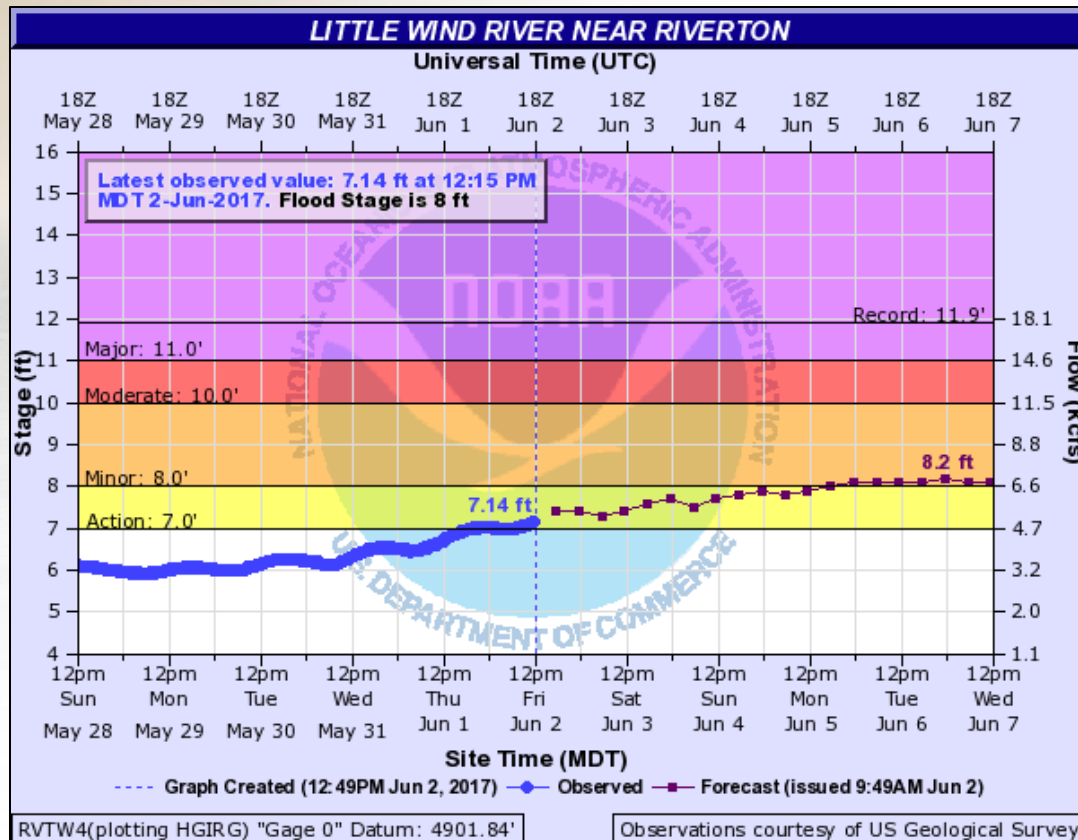
Impacted Rivers

- Little Wind River at Fort Washakie
 - Already above action stage at 3.7 feet, flood stage at 4.5 feet
 - Will likely rise above flood stage between Sunday and Monday



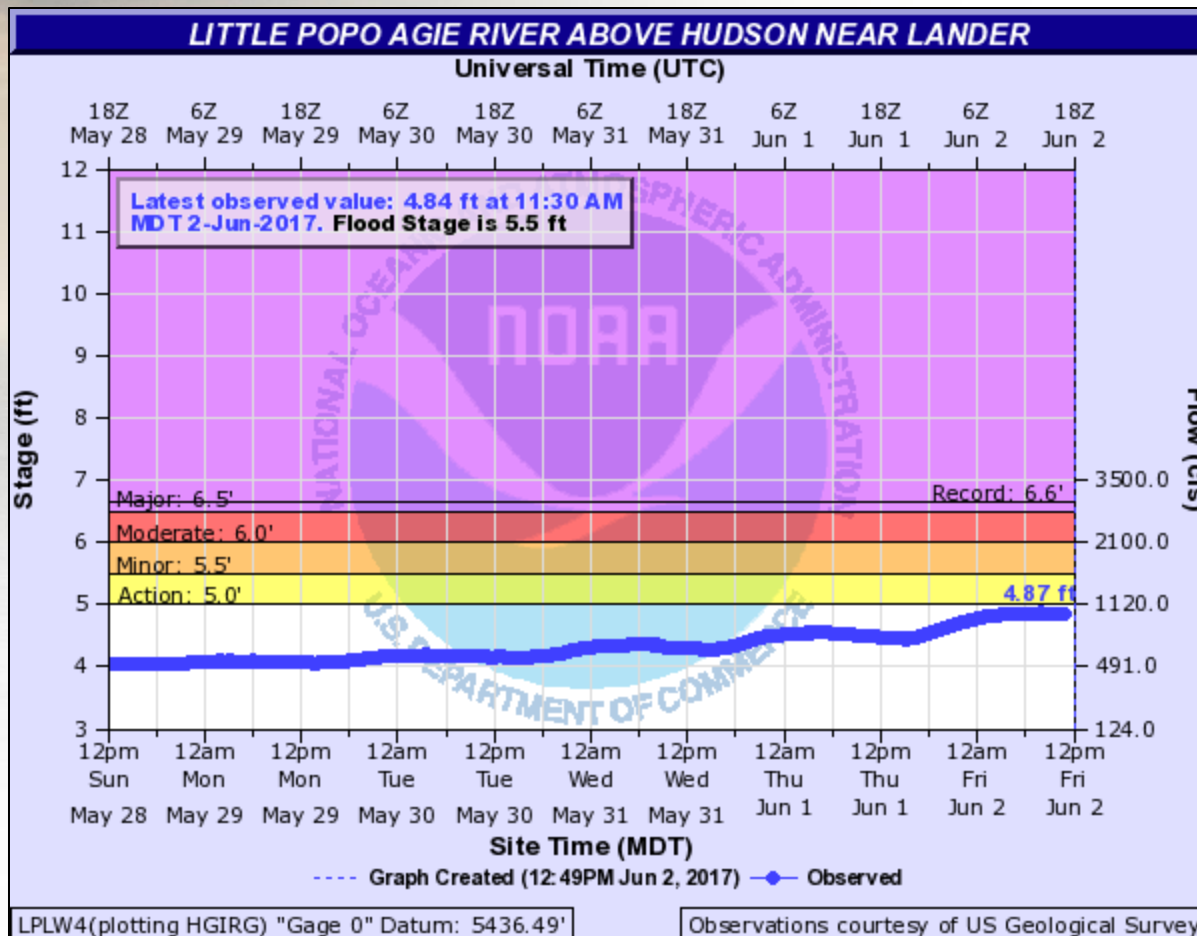
Impacted Rivers

- Little Wind River near Riverton
 - Already above action stage at 7.1 feet, flood stage at 8.0 feet
 - Will likely rise above flood stage of 8 feet on Monday and crest at 8.2 feet by Tuesday, June 6
 - Forecast crest not in the top 5 all-time



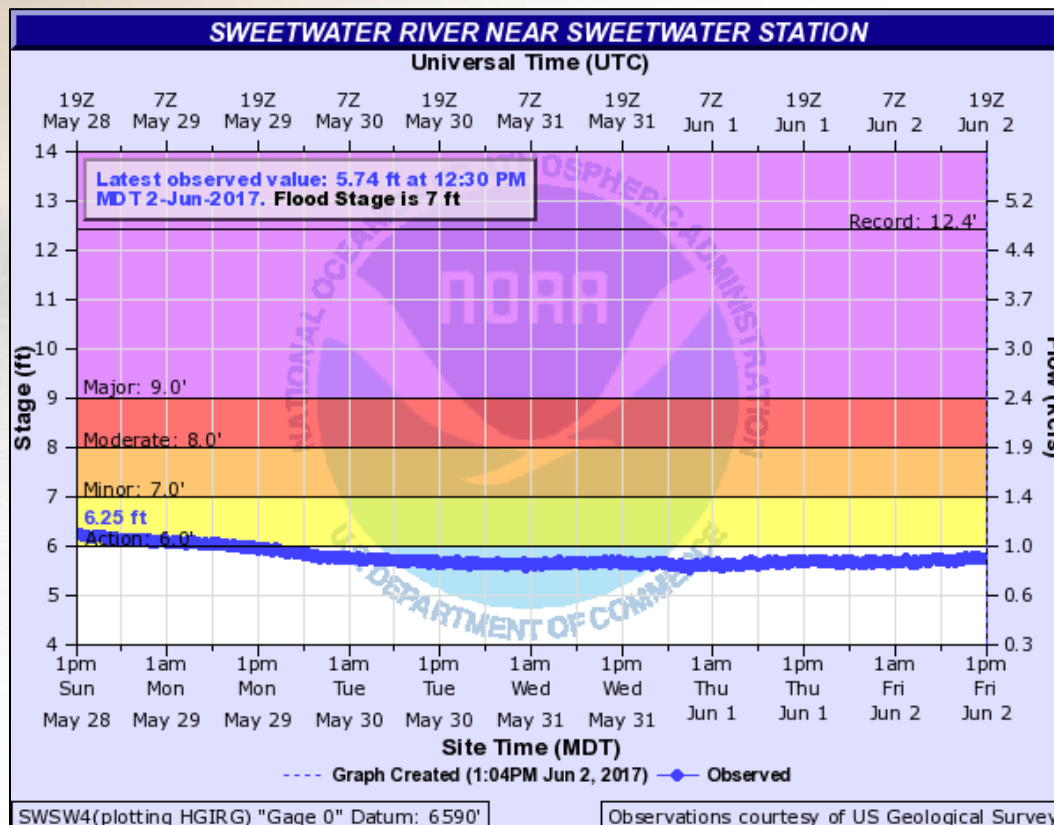
Impacted Rivers

- Little Popo Agie River above Hudson near Lander
 - Already nearing action stage at 4.9 feet, flood stage at 5.5 feet
 - Will likely rise above flood stage between Sunday and Monday



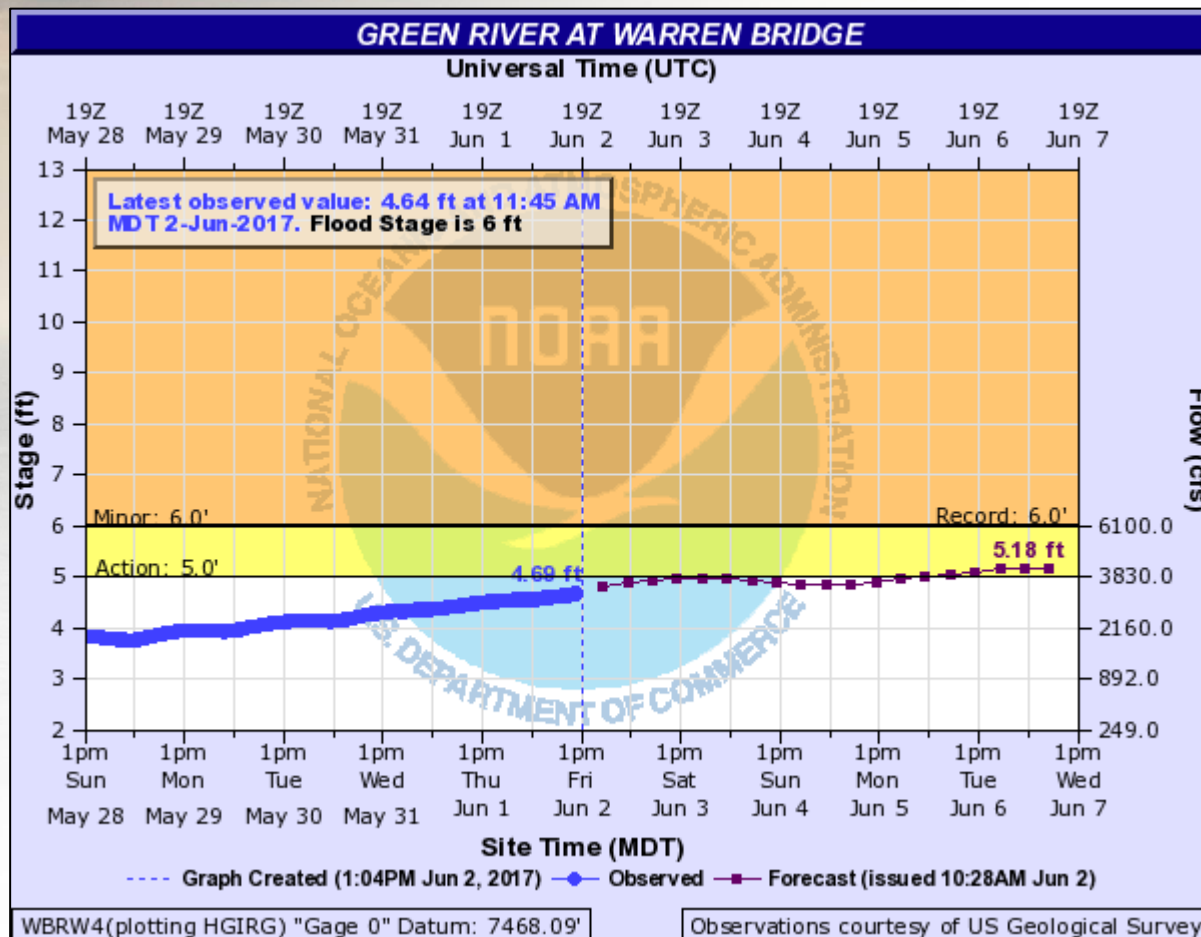
Impacted Rivers

- Sweetwater River Near Sweetwater Station
- At 5.7 feet currently. Flood stage is at 7 feet.
 - Is expected to rise slowly and would not be surprised if level rises to around 8 feet between Monday/Tuesday of next week
 - Could be similar to crest of 8.25 feet in June 1986



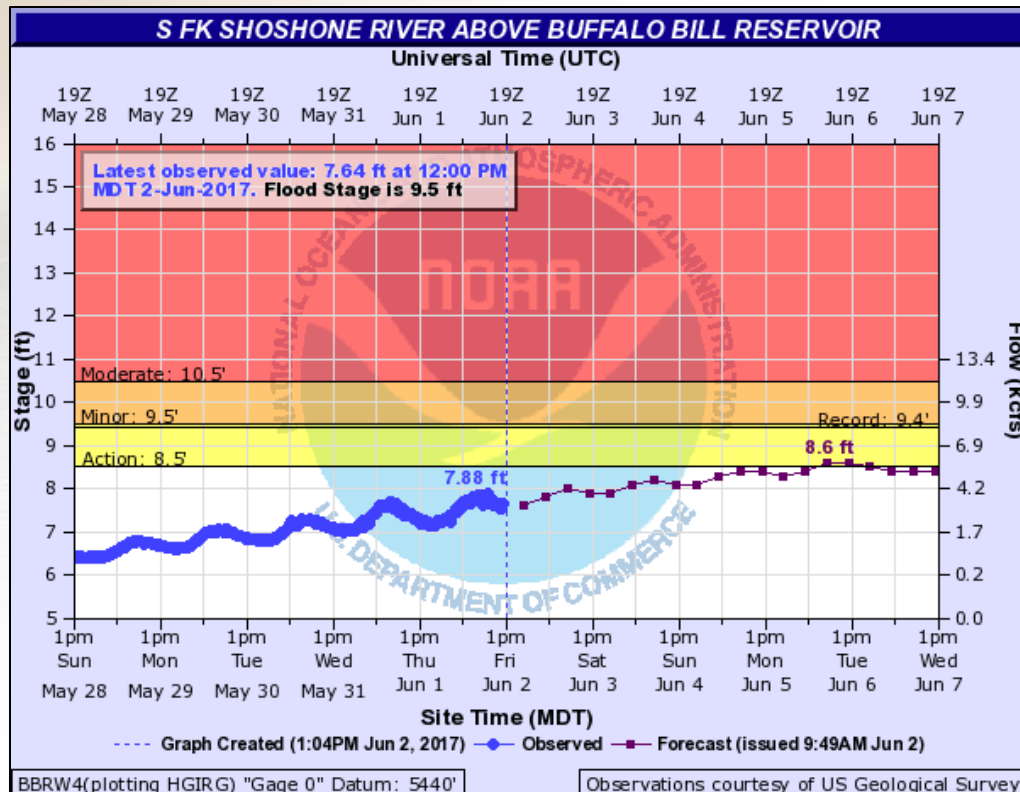
Impacted Rivers

- Green River at Warren Bridge
- At 4.6 feet and will slowly rise and crest at 5.2 feet by Tuesday, June 6, slightly above action stage. Flood stage is at 6 feet.



Impacted Rivers

- South Fork of Shoshone River Above Buffalo Bill Reservoir
- At 7.6 feet currently. Flood stage is at 9.5 feet.
 - Will rise slowly and crest at action stage of 8.6 feet by Tuesday, June 6
 - Similar to crest of 8.61 feet on 31 May 2003 (9.28 feet in 2011)



Preparedness Actions

- Instruct folks in your counties in low lying areas to make final preparations for flooding potential!
- With mountain streams running highest in late afternoon/early evening, stream crossing will be most dangerous during those times of the day
- Foothill communities will see the highest water levels in the late evening/early morning hours
- Hikers and folks in areas where water is flowing should not cross into the waters! Turn Around, Don't Drown!!!

NWS Riverton Contact Info

NWS Riverton: 1-800-211-1448

Facebook: www.facebook.com/NWSRiverton

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River Stages and Forecasts

<https://water.weather.gov/ahps2/index.php?wfo=RIW>

SNOTEL and River Comparisons

<http://www.weather.gov/riw/SnoTelbyBasin>

WRN

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Building a Weather-Ready Nation