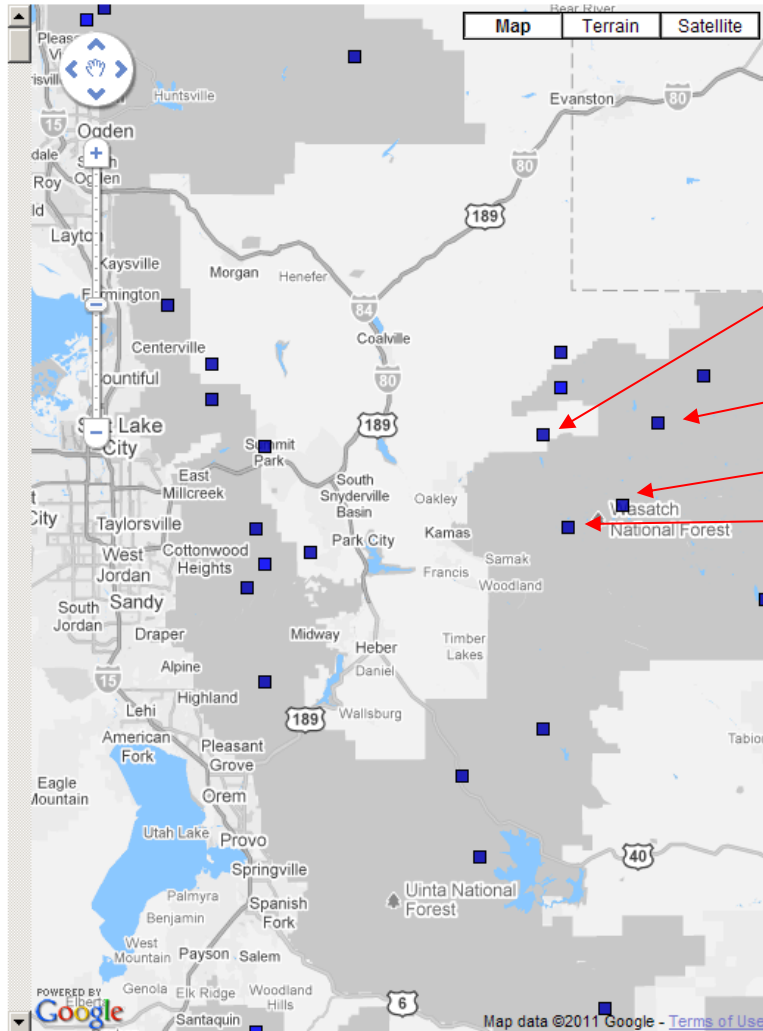


# Upper Weber River Flooding Potential

Snowpack Update as of 1 May  
2011

Steve Pollard

# Colorado River Basin Forecast Center Snow Pack Sites Relevant to Upper Weber River



Smith and Morehouse  
(7600')

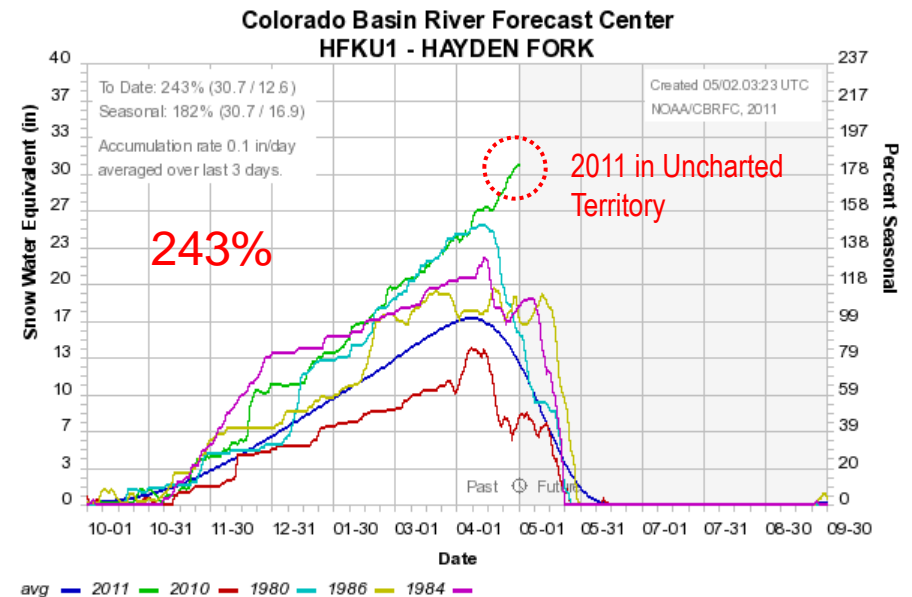
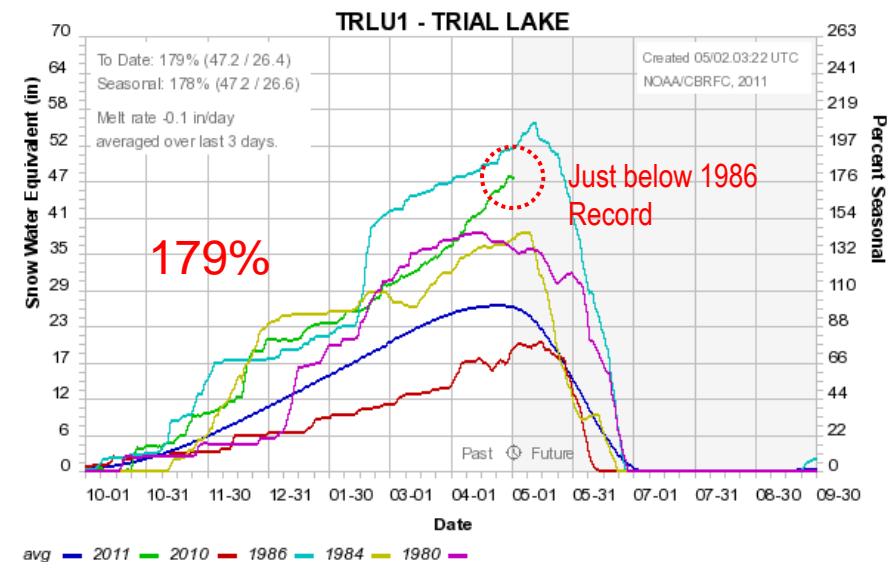
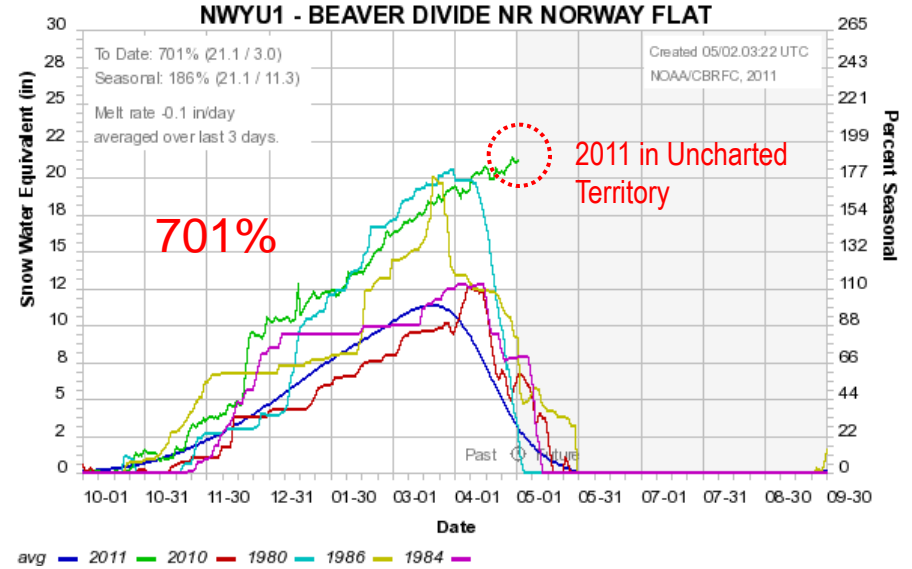
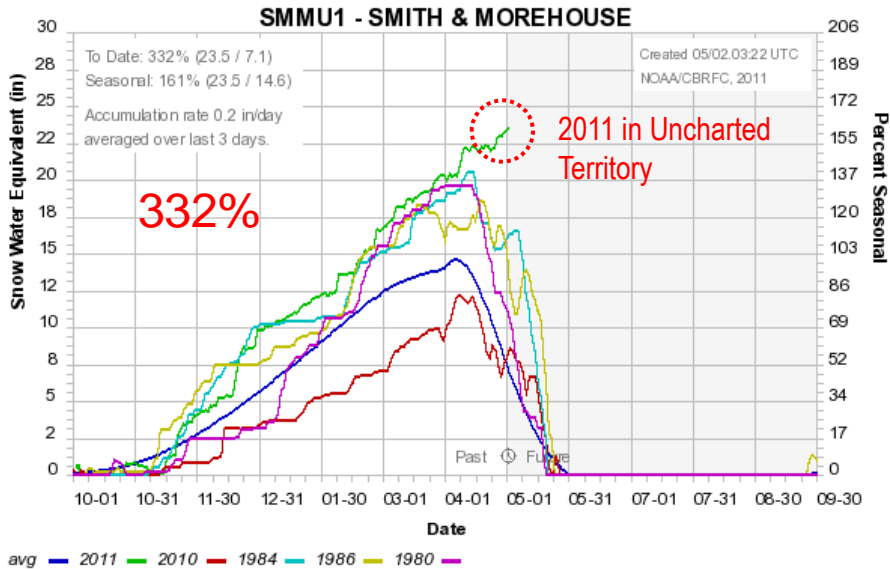
Hayden Fork  
(9100')

Trial Lake  
(9960')

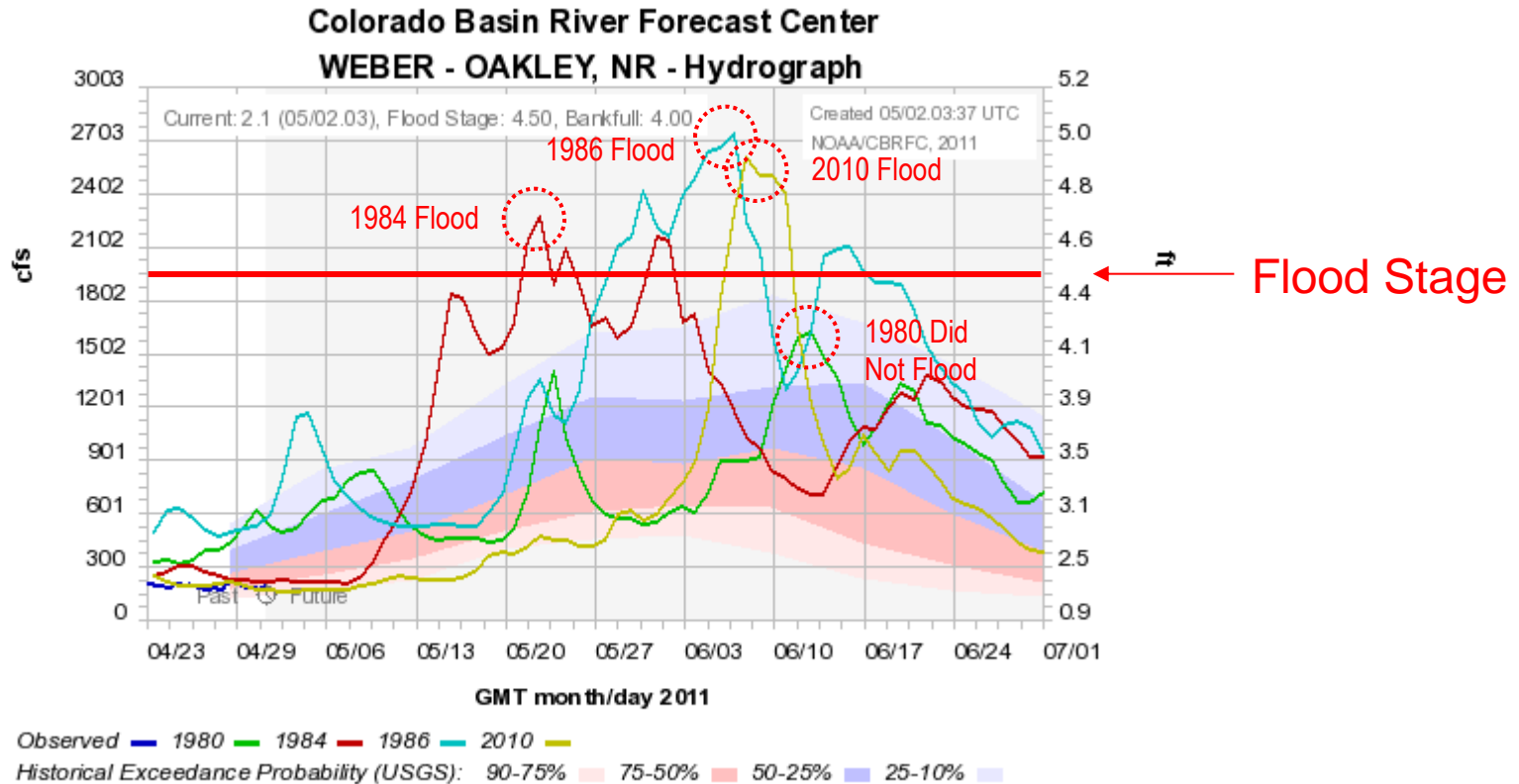
Beaver Divide  
(8280')

Snow Pack Data Available 1979-2011

# 1 May 2011, 2010, and past peak snow pack years (1986, 1984, 1980)

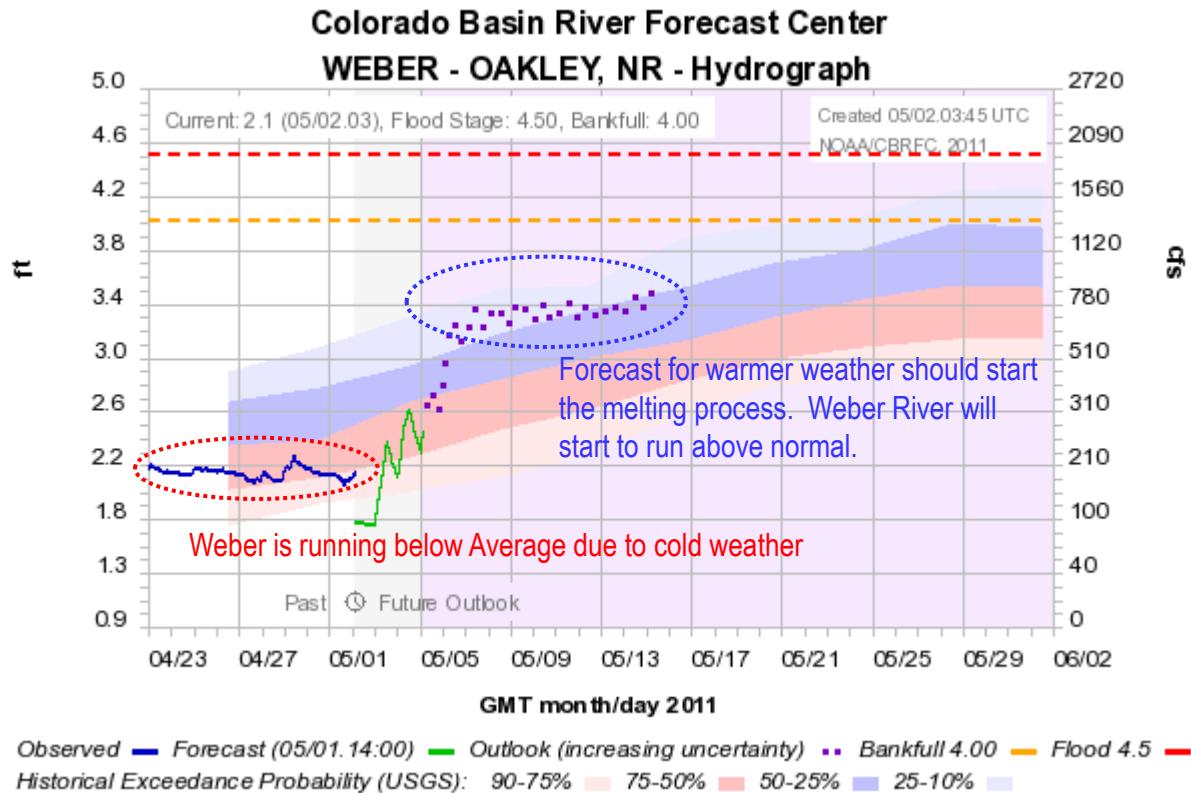


# What Happened to Weber River in 2010, 1986, 1984 and 1980



- Upper Weber River Flooded in two of three (1984/1986) top snow pack years since 1979
- Weber River Flooded in 2010 even though it was a normal snow pack year. Cool Spring played a large role.
- In 2011 we have the double whammy of record snowpack and cool Spring.

# Where are we now?



# Conclusions

- Snow pack in Uintahs above Hidden Lake is running way above normal. Late warm weather has not helped.
  - 179% to 701% of normal
  - Record snowpack for past 32 years in 3 of four locations.
- Upper Weber River usually floods during record snow pack years
- High potential for greater flooding than in 2010
  - 2010 flooding caused significant damage to HLA infrastructure
  - Recent culvert upgrades, sand bagging and berms are a good start
- Additional preparation is warranted
  - More sandbags if the county will cooperate
    - Stage extra bags where they can be deployed to trouble areas
  - Additional clearing of brush drainage ditches