

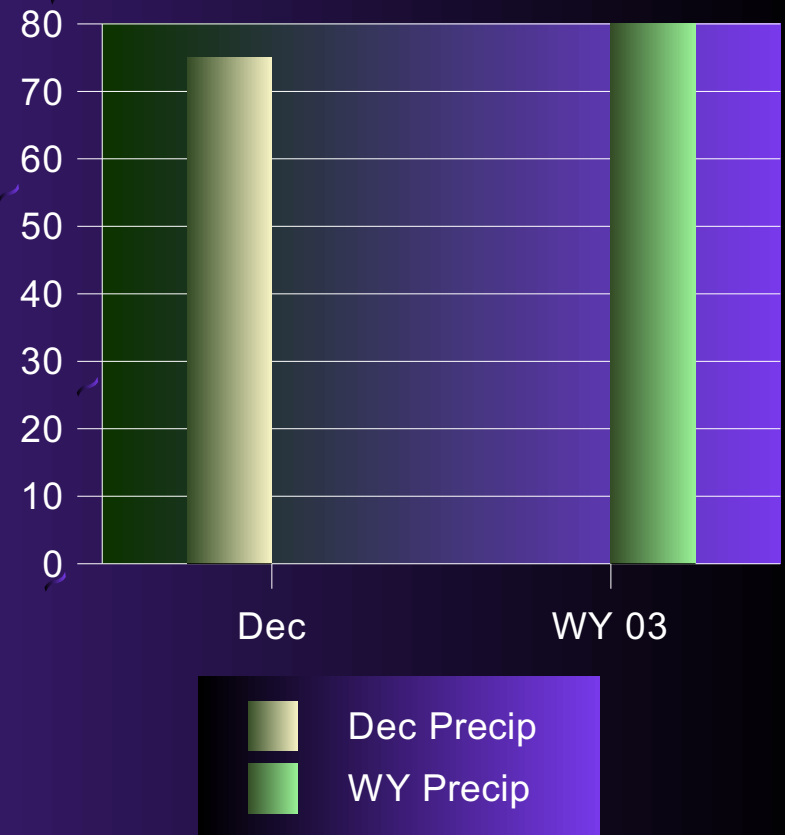
Hydrologic Conditions

January 2003
Utah and Surrounding Area

Diana Van Cor
Hydrologist
National Weather Service
Colorado Basin River Forecast Center

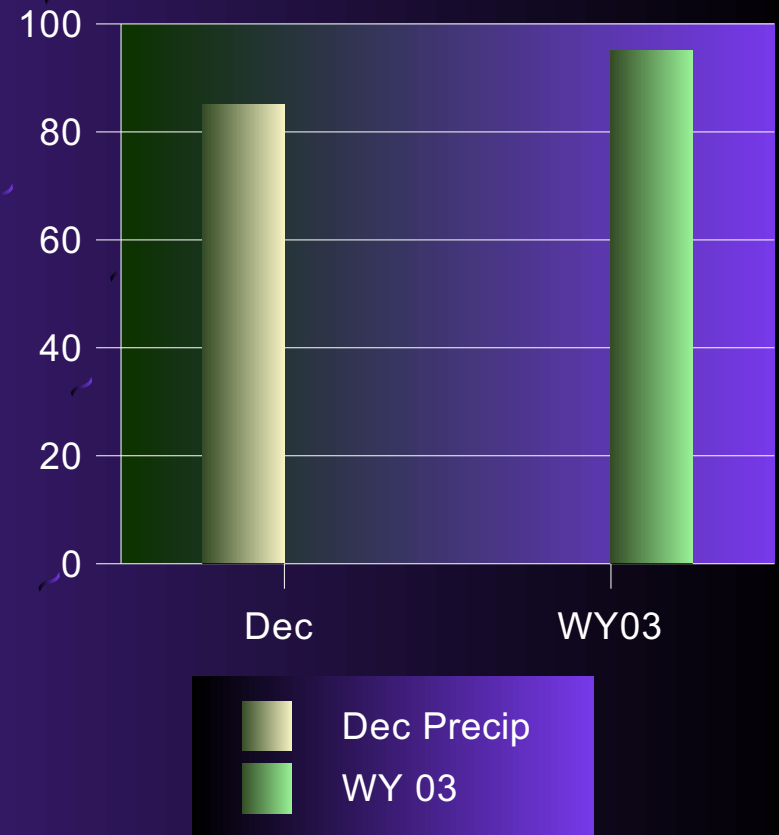
Eastern Great Basin Precipitation Levels

- Dec. Precip - 75%
- Jan. Precip -
- Feb. Precip -
- Mar. Precip -
- Wy Precip - 80%



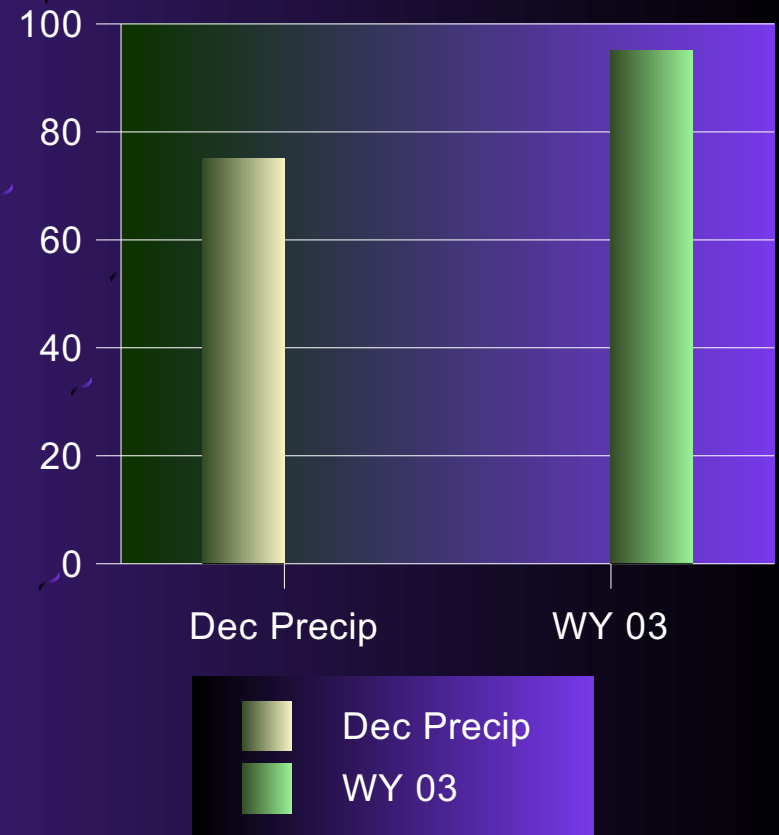
Sevier River Basin Precipitation Levels

- Dec. Precip - 85%
- Jan. Precip -
- Feb. Precip -
- Mar. Precip -
- Wy Precip - 95%



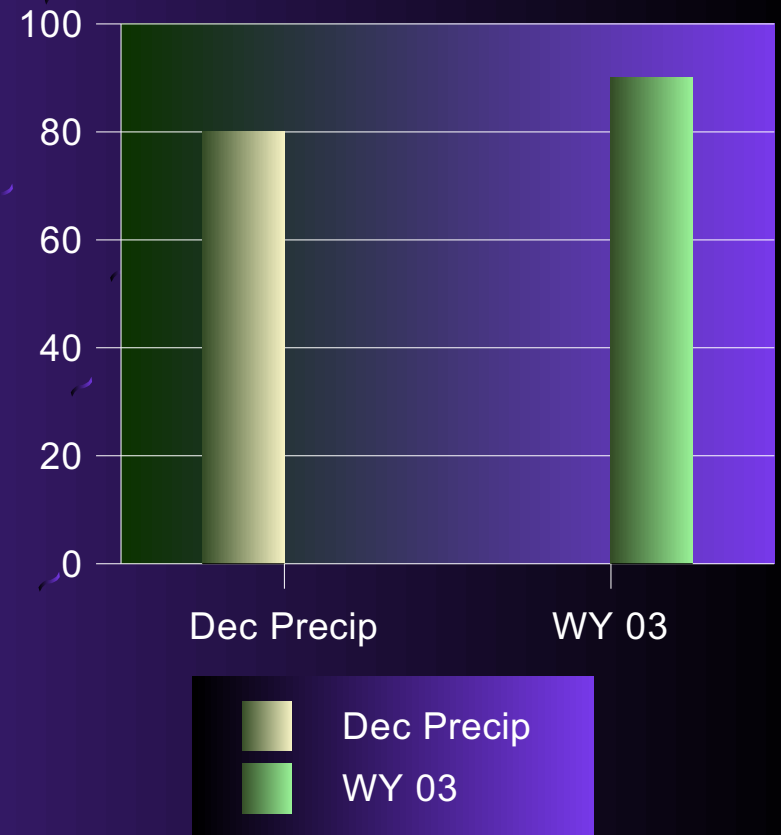
Green River Basin Precipitation Levels

- Dec. Precip - 75%
- Jan. Precip -
- Feb. Precip -
- Mar. Precip -
- Wy Precip - 95%



Virgin River Basin precipitation levels

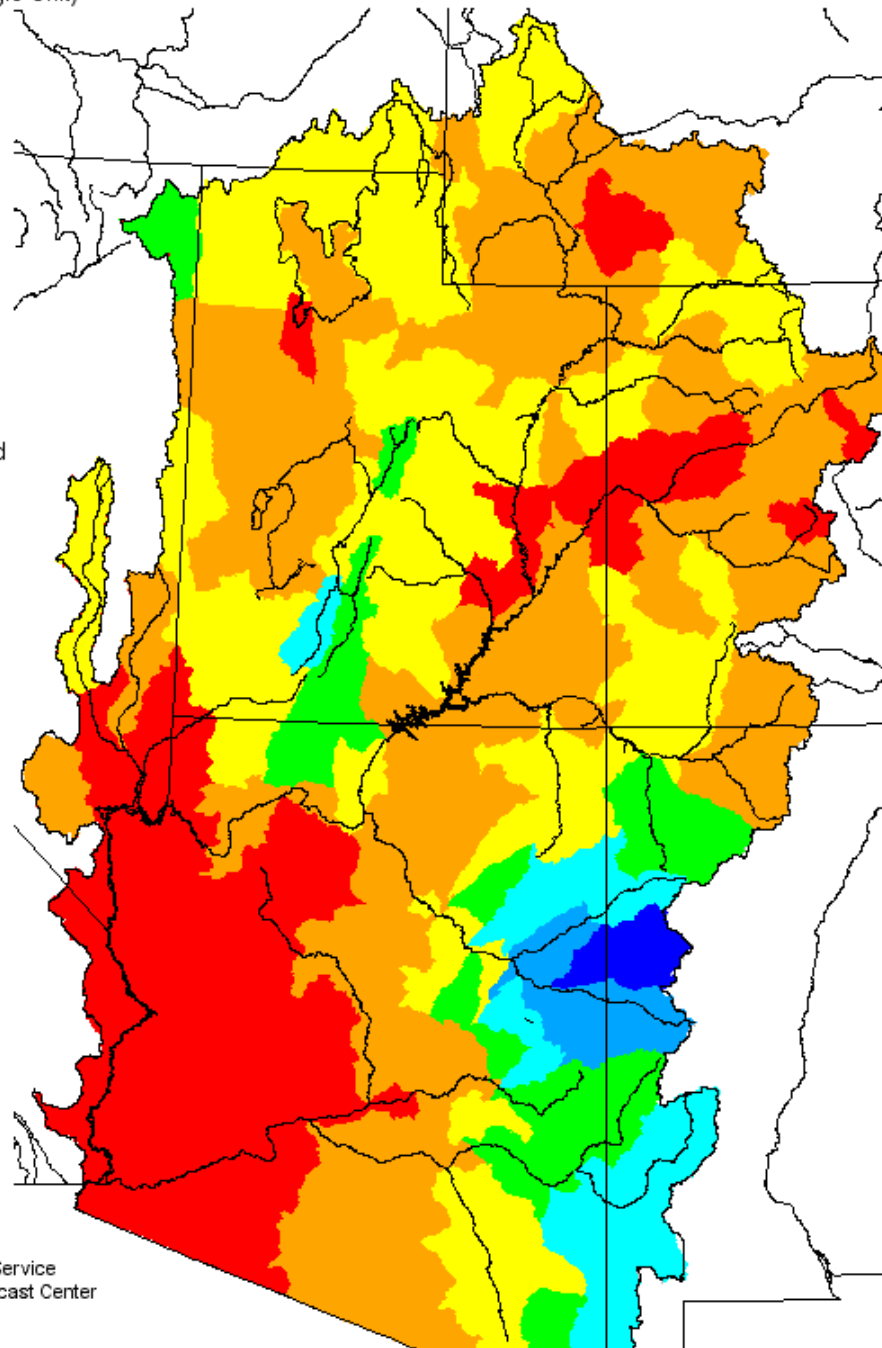
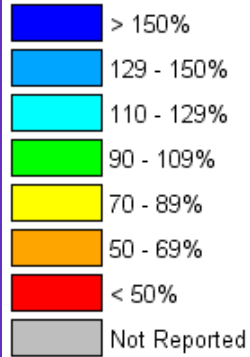
- Dec. Precip - 80%
- Jan. Precip -
- Feb. Precip
- Mar. Precip
- Wy Precip - 90%



Monthly Precipitation for December 2002

(Averaged by Hydrologic Unit)

% Average

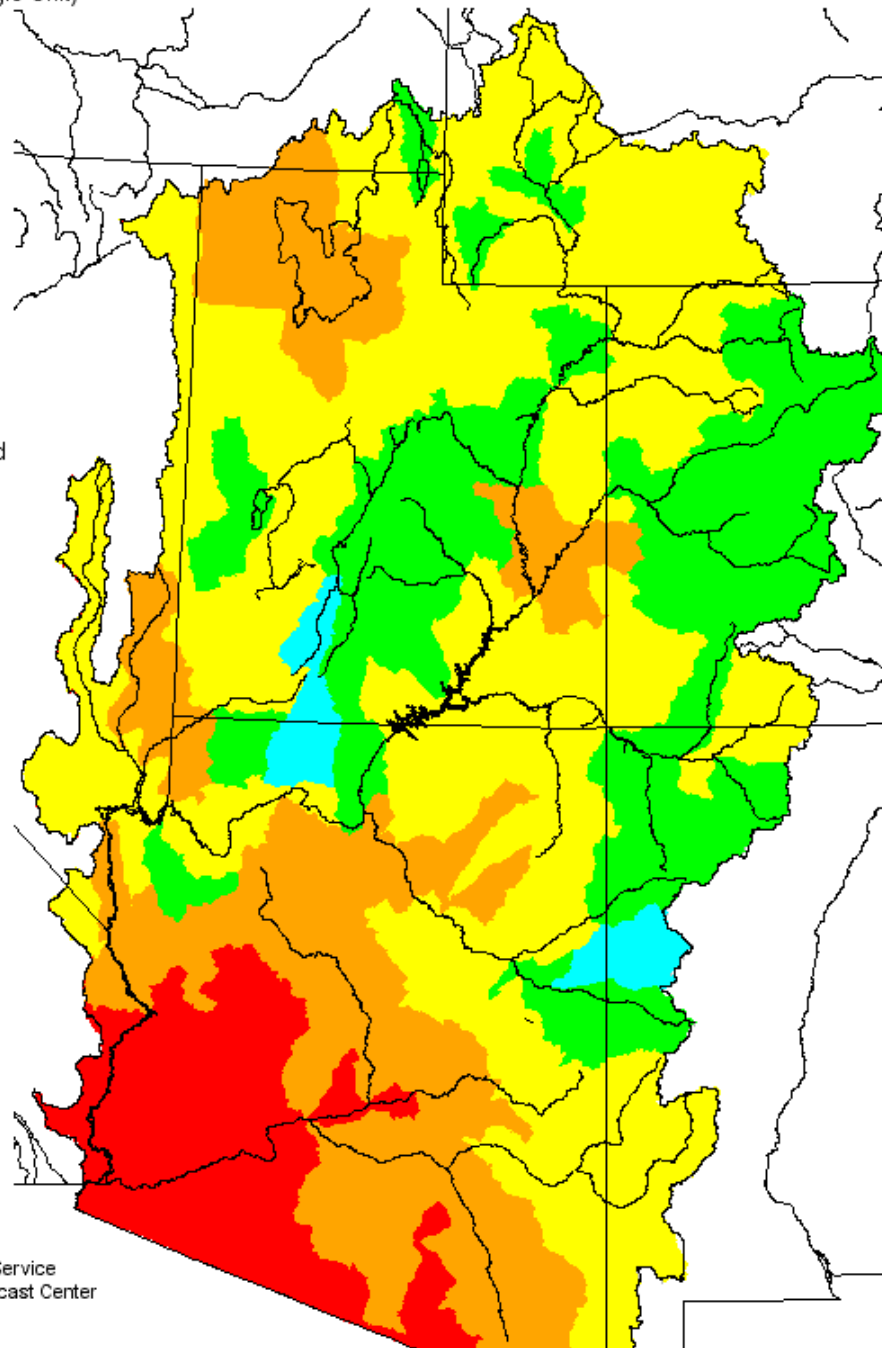
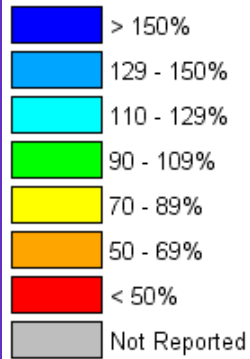


Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Seasonal Precipitation, October 2002 - December 2002

(Averaged by Hydrologic Unit)

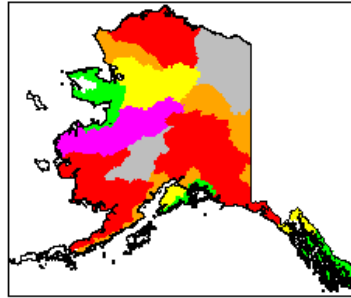
% Average



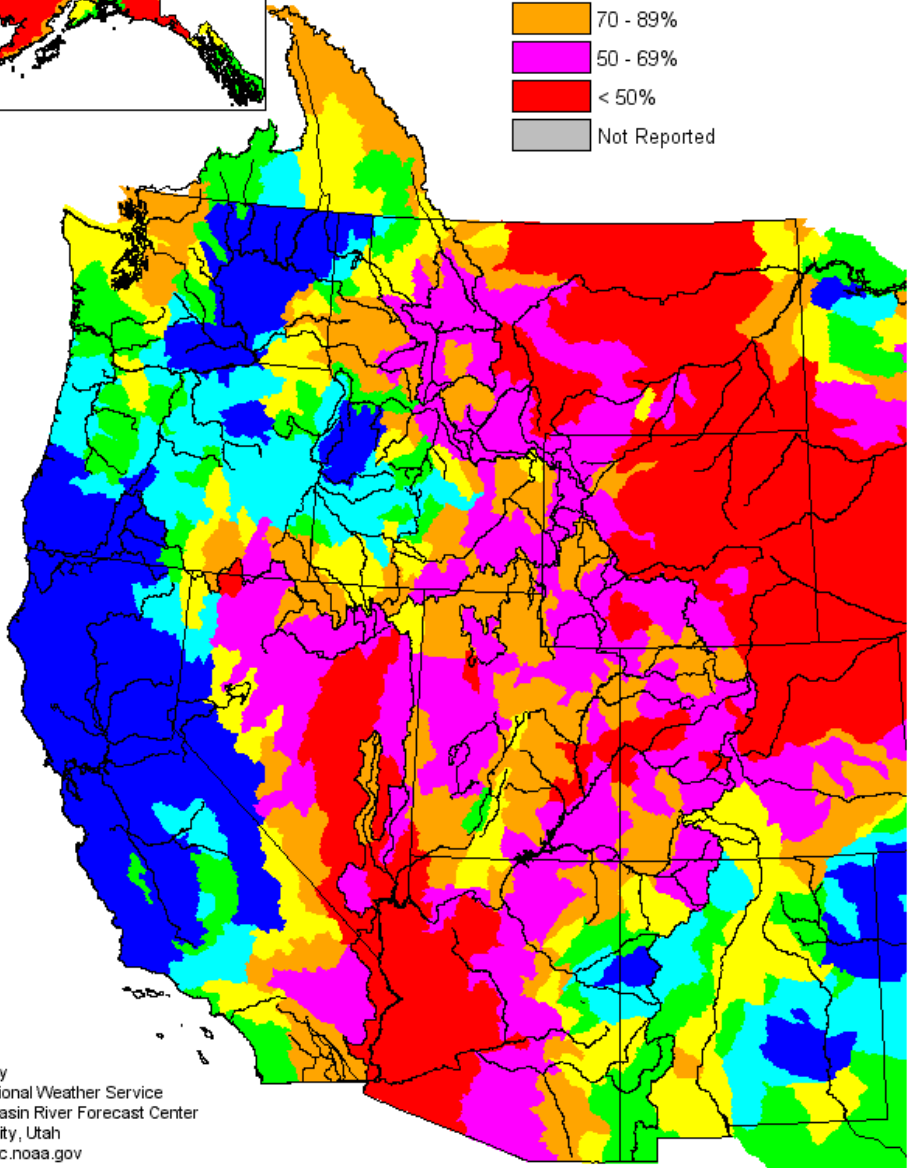
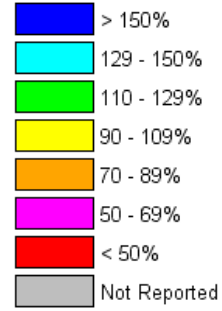
Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Monthly Precipitation for December 2002

(Averaged by Hydrologic Unit)



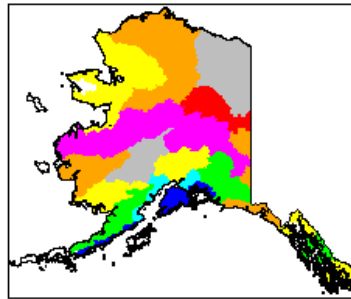
% Average



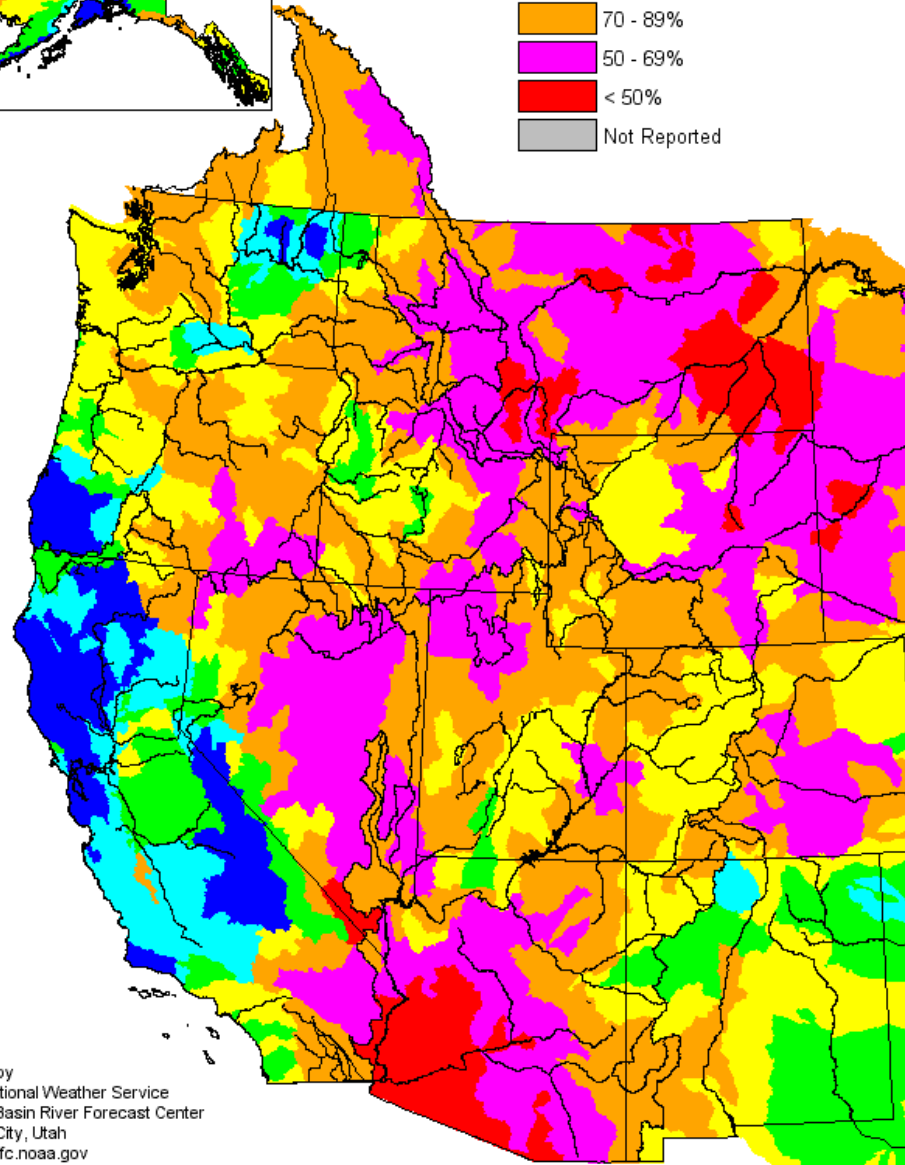
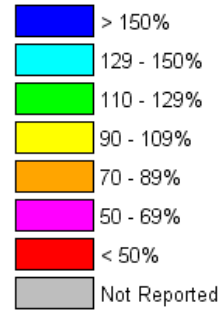
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NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Seasonal Precipitation, October 2002 - December 2002

(Averaged by Hydrologic Unit)



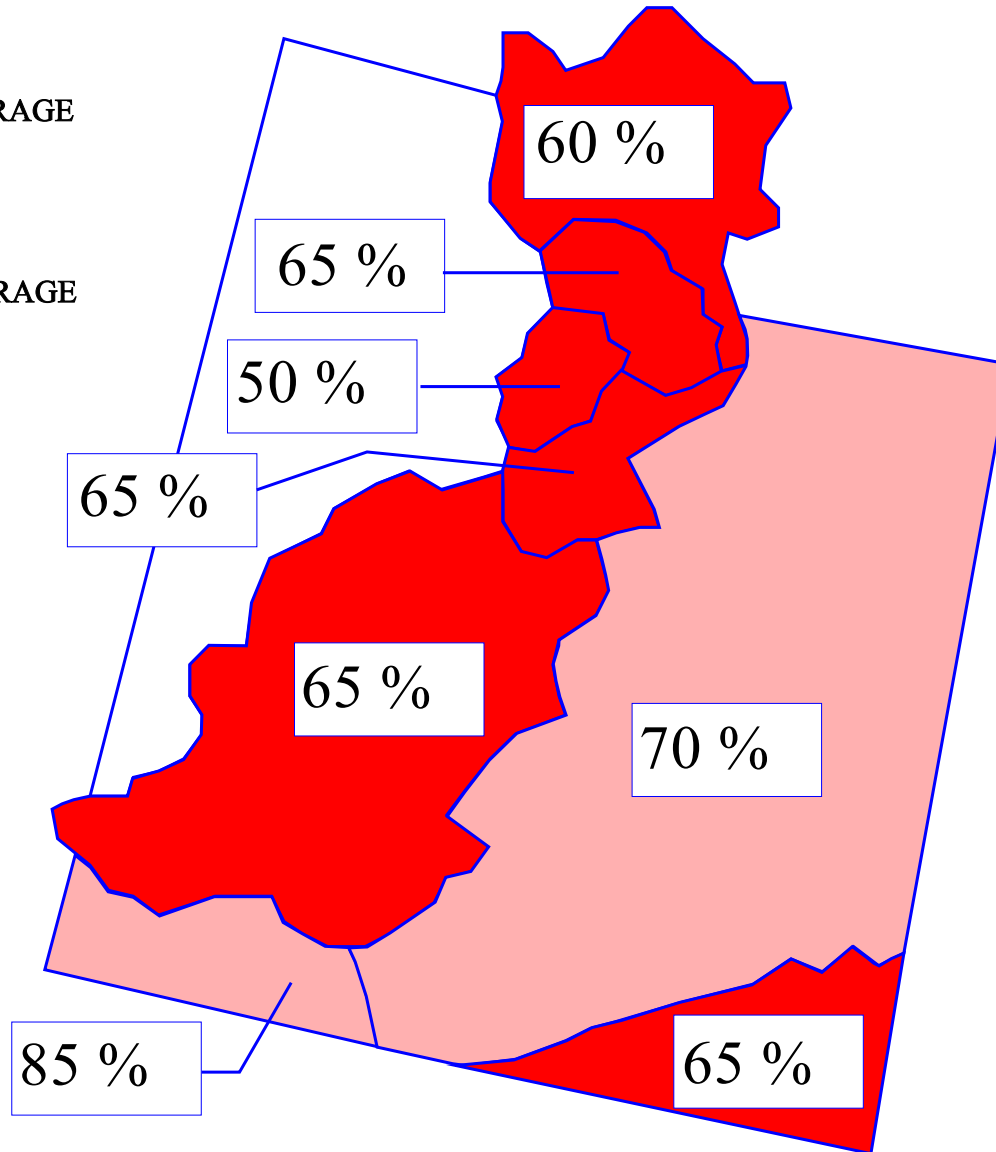
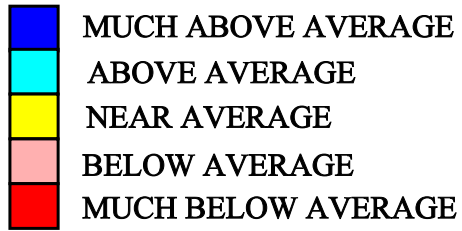
% Average



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UTAH RIVER BASINS

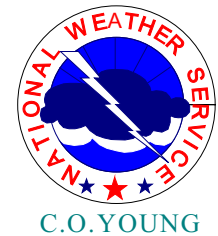
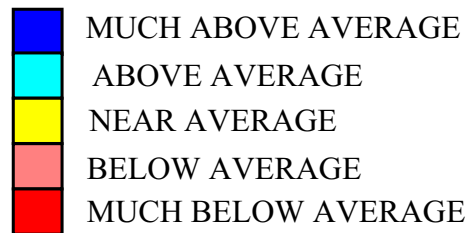
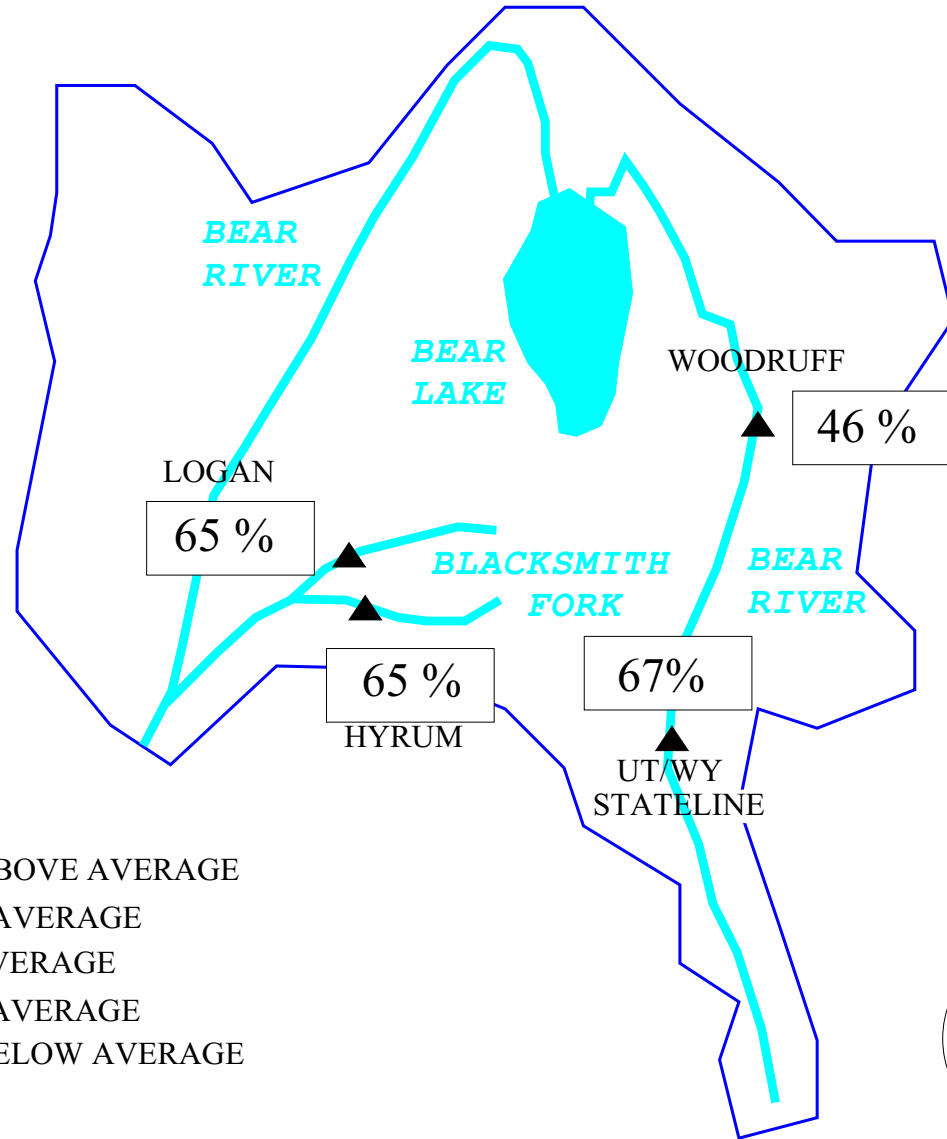
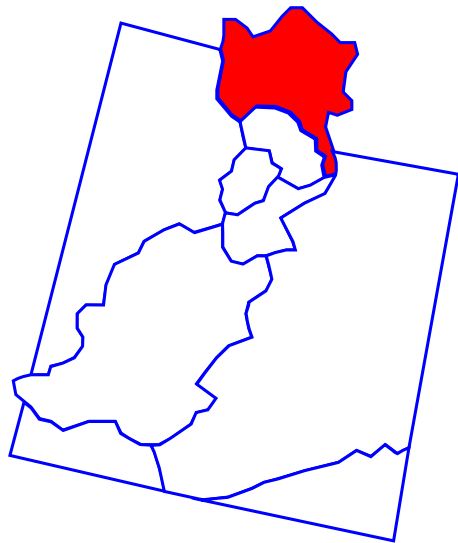
January 1st 2003 APR-JUL Volume Forecasts
% OF 30 - YEAR Average Flows



C. O. YOUNG

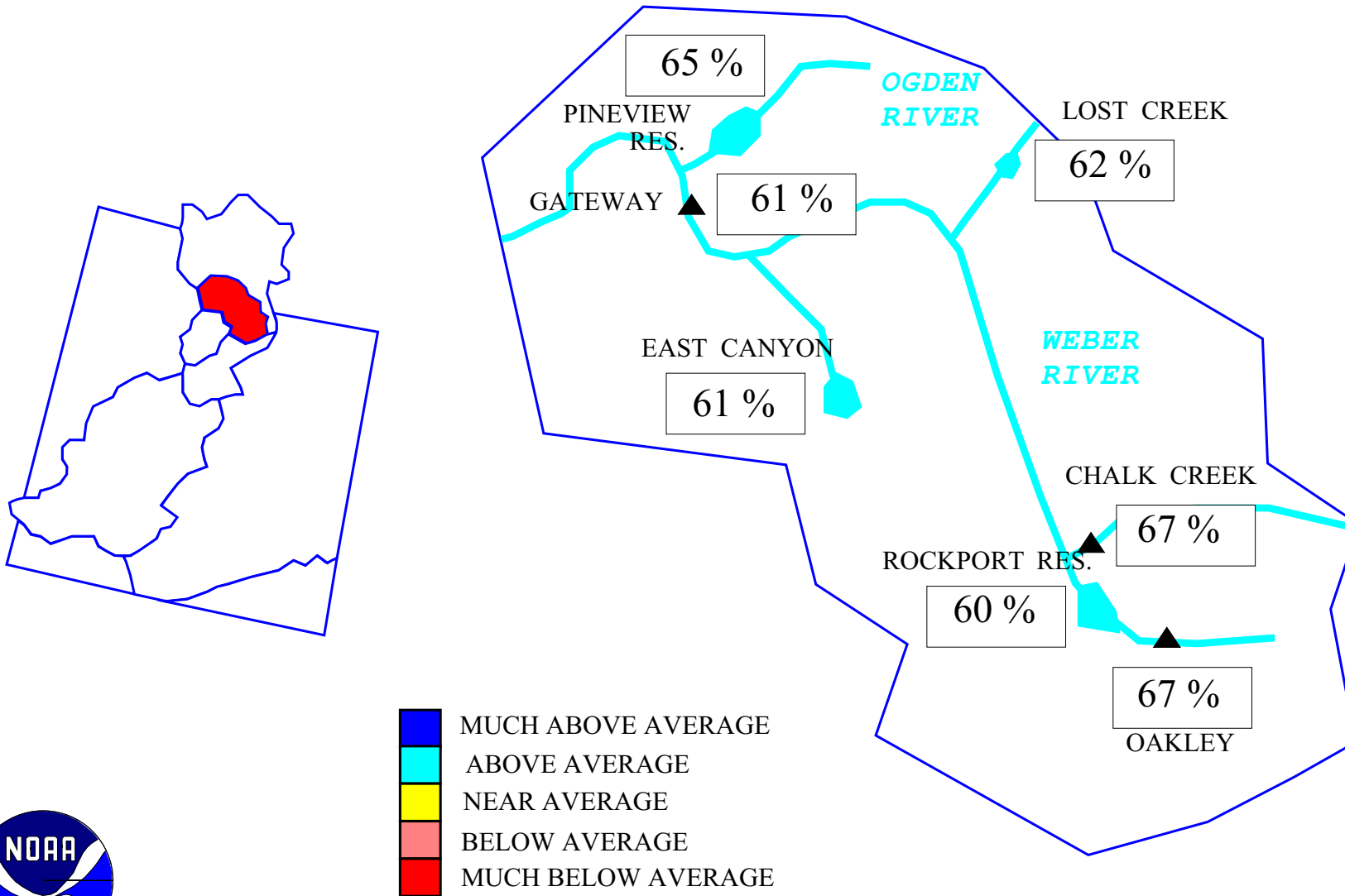
BEAR RIVER BASIN

January 1st 2003 APR-JUL Volume Forecasts
% OF 30 - YEAR Average Flows



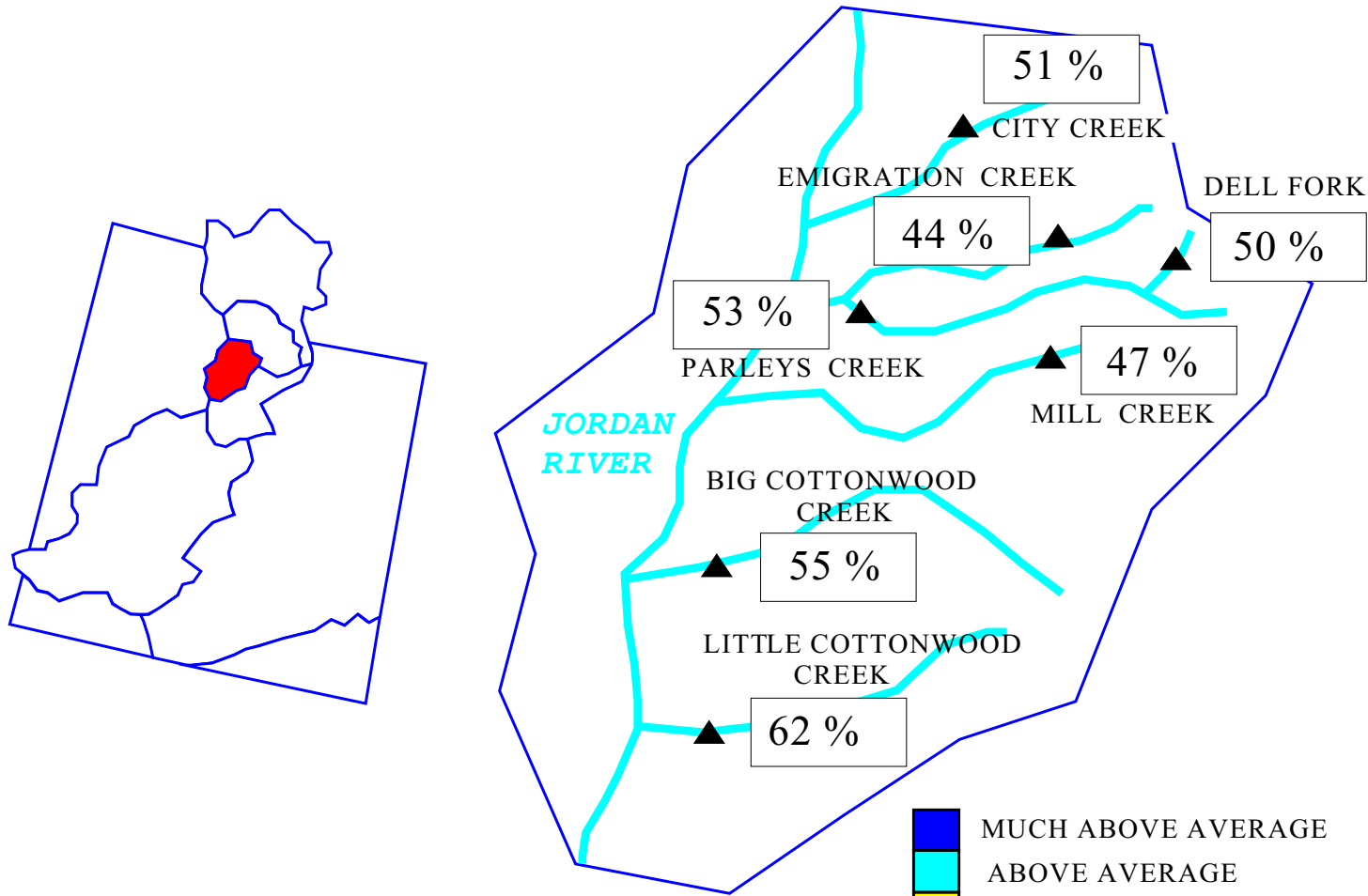
WEBER RIVER BASIN

January 1st 2003 APR-JUL Volume Forecasts
% OF 30 - YEAR Average Flows



SIX CREEKS DRAINAGES - SLC

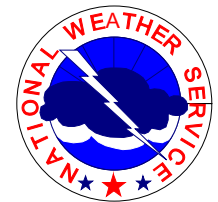
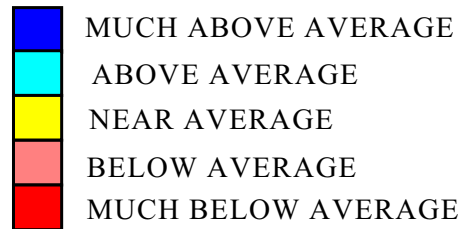
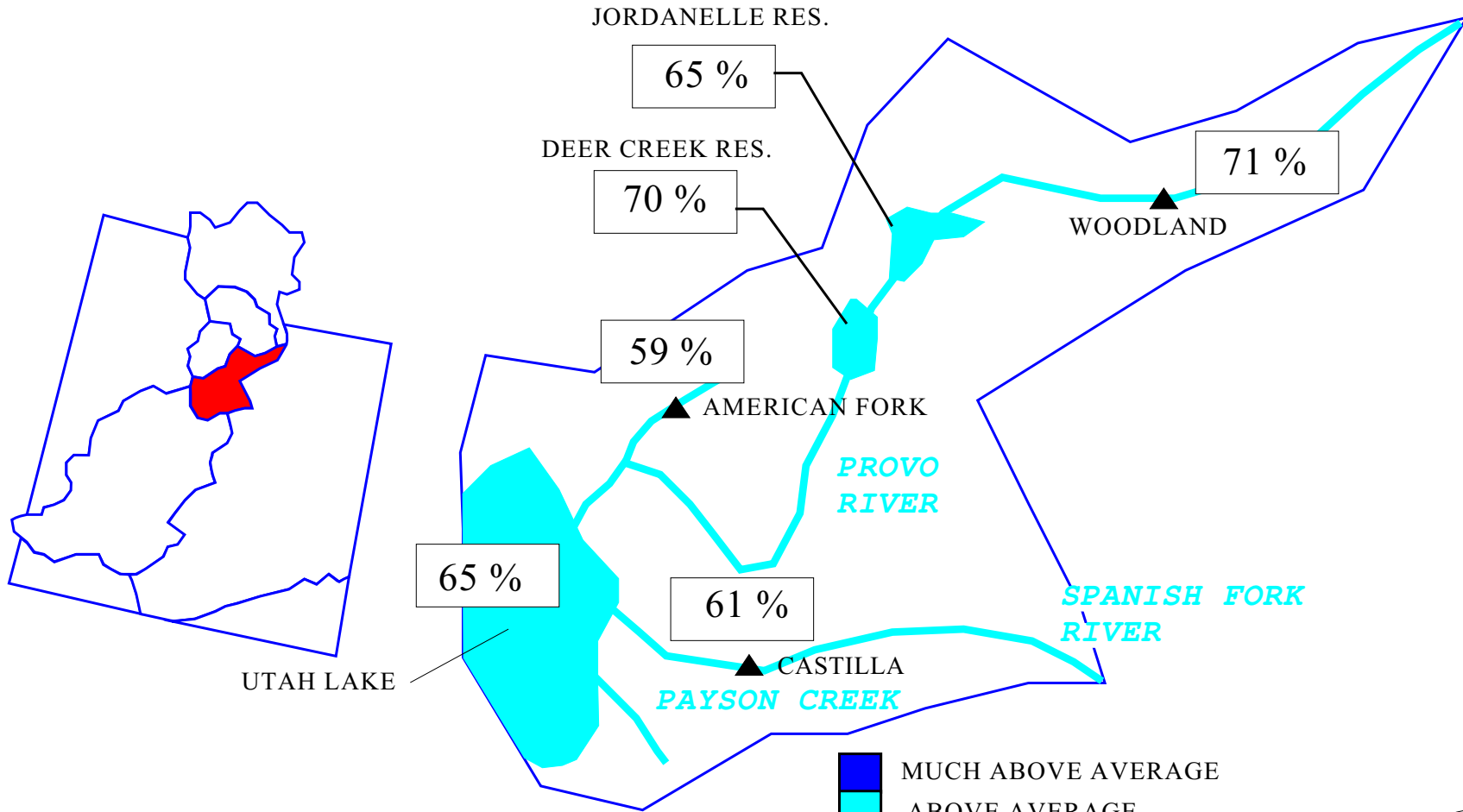
January 1st 2003 APR-JUL Volume Forecasts
% OF 30 - YEAR Average Flows



C.O. YOUNG

PROVO RIVER BASIN

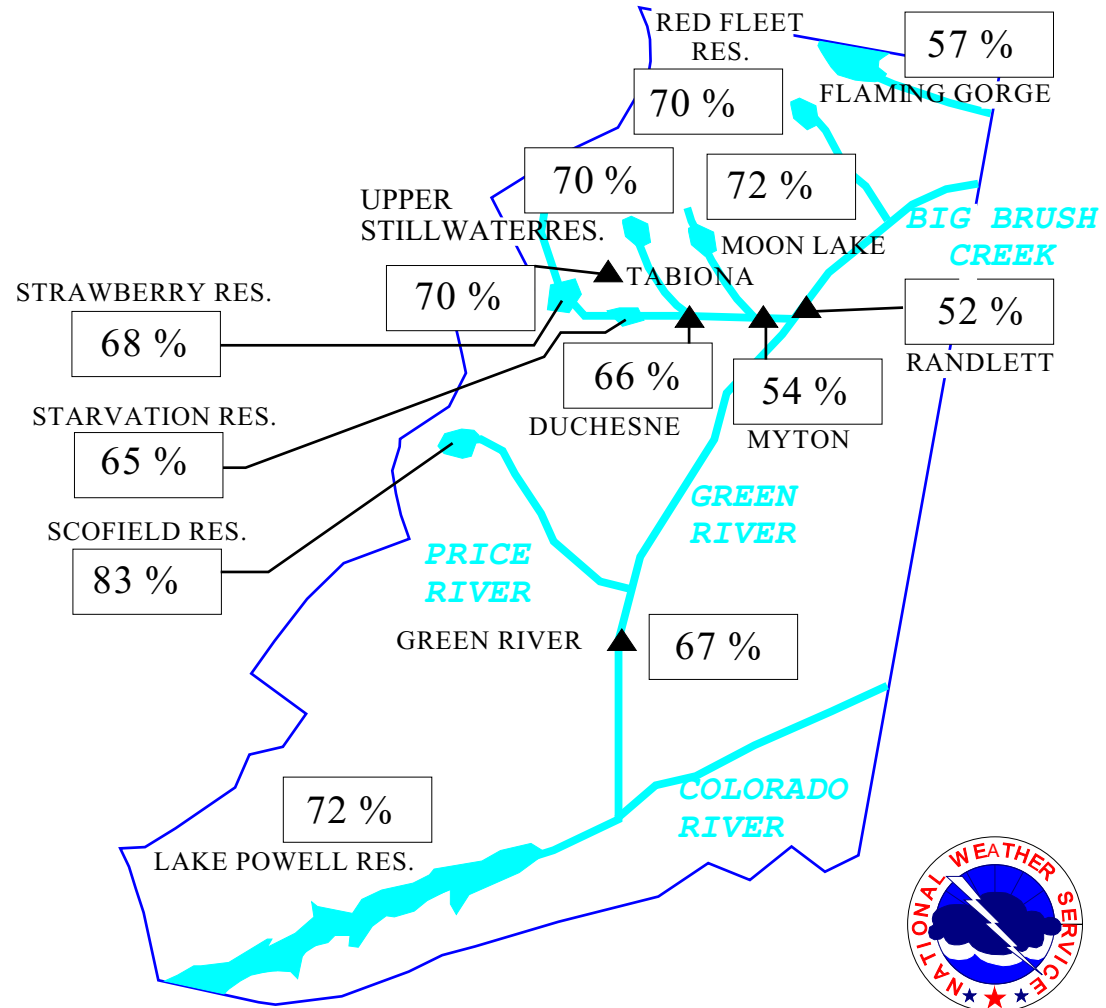
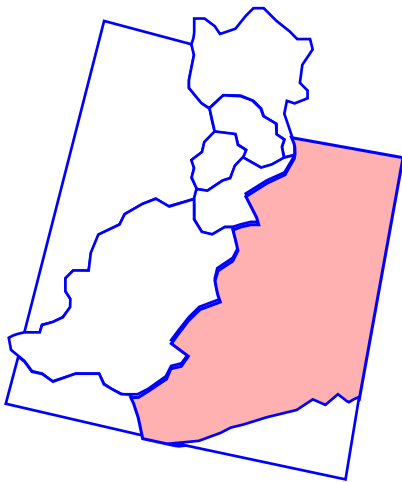
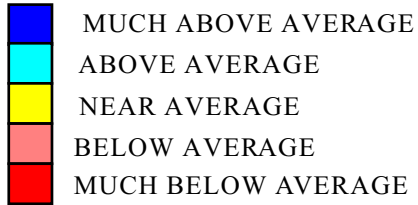
January 1st 2003 APR-JUL Volume Forecasts
% OF 30 - YEAR Average Flows



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GREEN RIVER BASIN

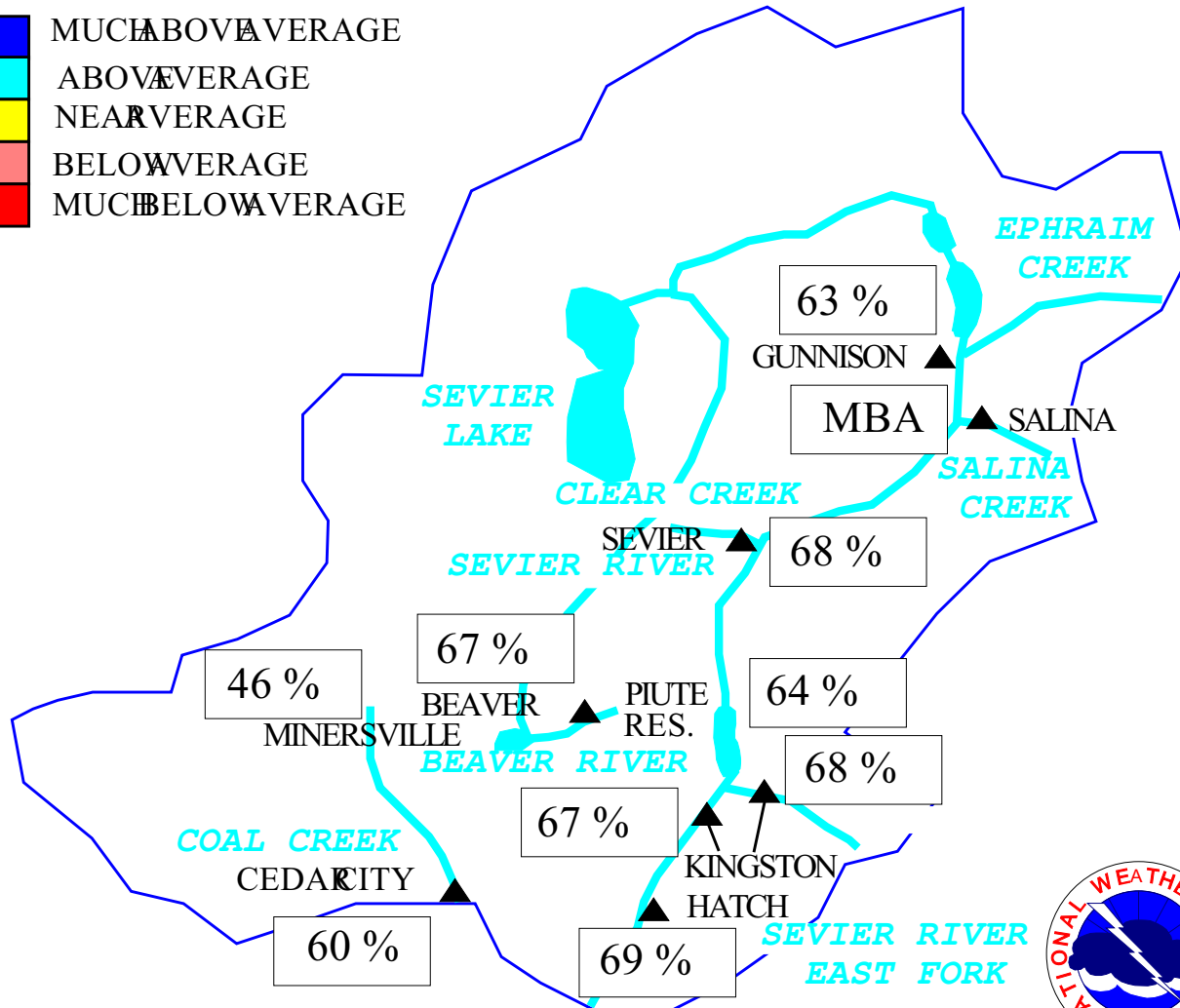
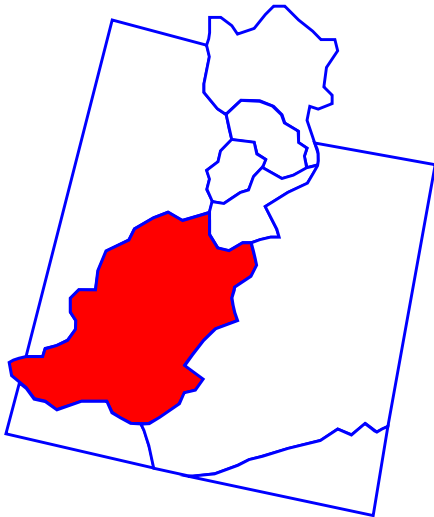
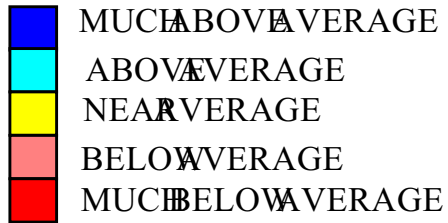
January 1st 2003 APR-JUL Volume Forecasts
% OF 30 - YEAR Average Flows



C.O. YOUNG

SEVIER & BEAVER RIVER BASINS

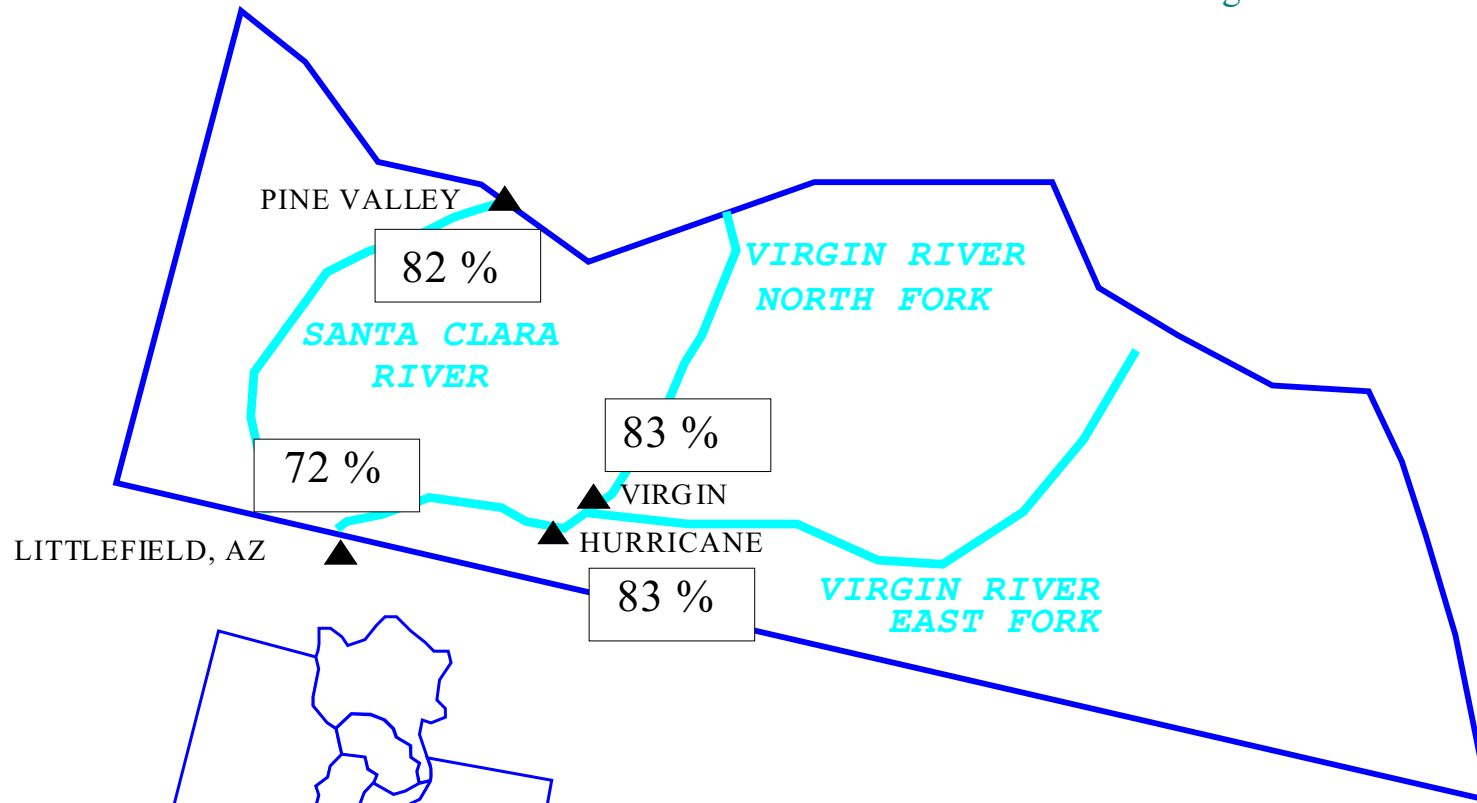
January 1st, 2003 APR-JUL Volume Forecasts
% OF 30 - YEAR Average Flows



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VIRGIN RIVER BASIN

January 1st, 2003 APR-JUL Volume Forecasts
% OF 30 - YEAR Average Flows



LITTLEFIELD, AZ

PINE VALLEY

82 %

SANTA CLARA RIVER

72 %

VIRGIN RIVER NORTH FORK

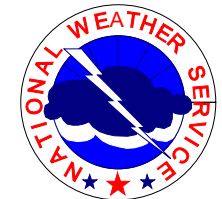
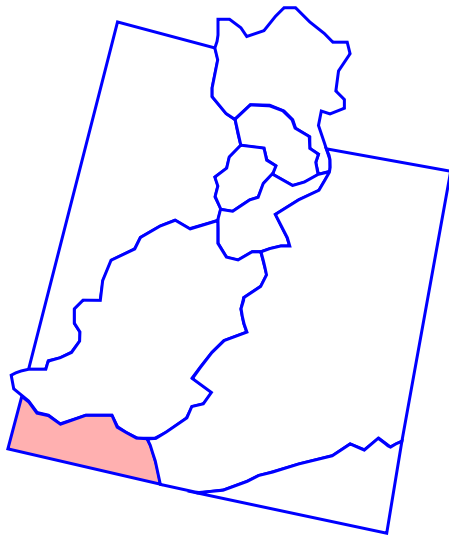
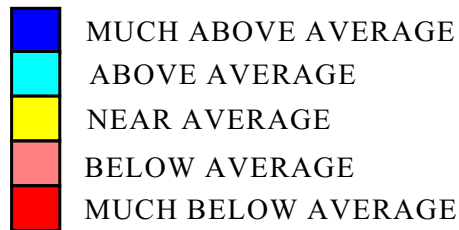
83 %

VIRGIN

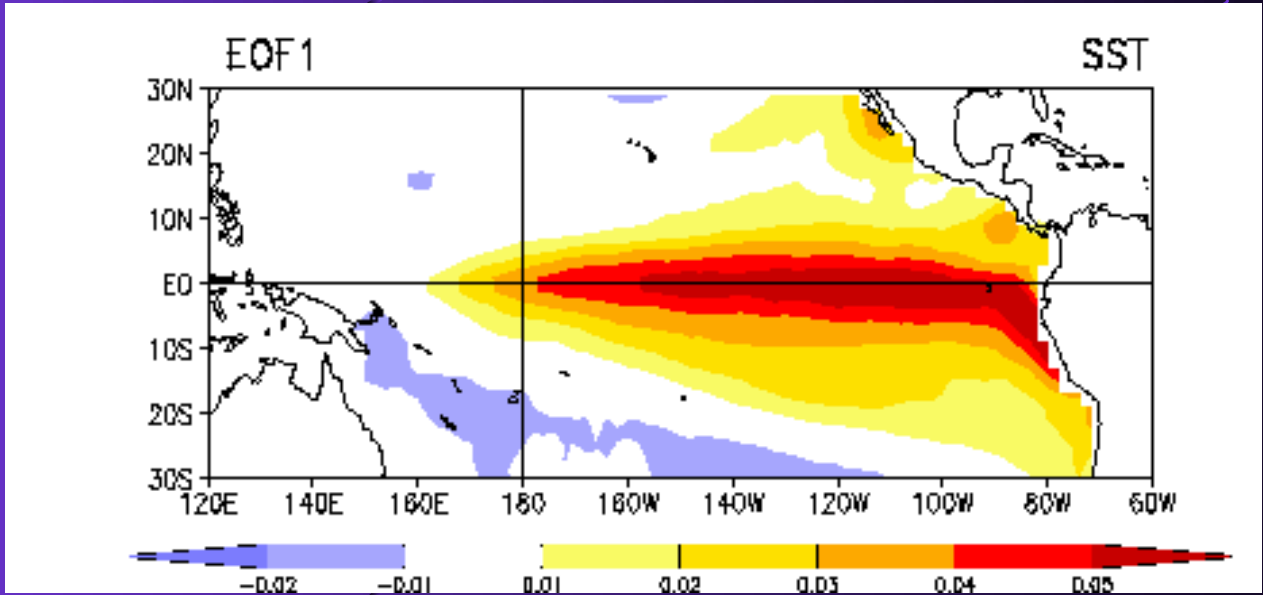
HURRICANE

83 %

VIRGIN RIVER EAST FORK



C.O. YOUNG

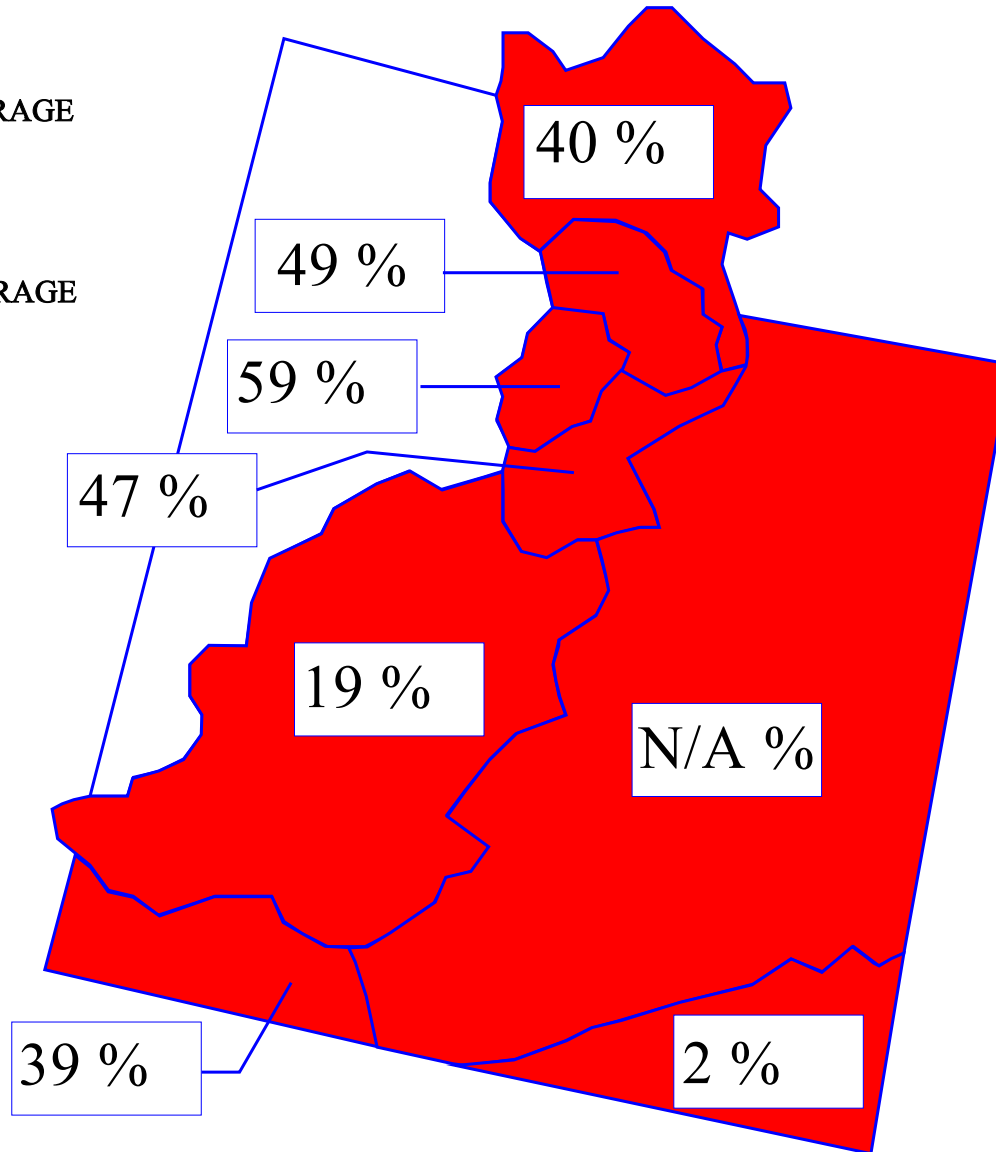
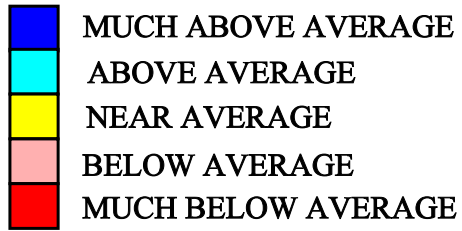


Spring Snowmelt Runoff Efficiency

- Spring snowmelt runoff broken into two parts
 - ▶ Snowpack and antecedent conditions
 - ▶ Springtime climate
- Wet, cool, high humidity, cloudy conditions will improve yield
- Dry, warm, low humidity, sunny conditions will degrade yield

UTAH RIVER BASINS

2002 WY Observed APR-JUL Volume Forecasts
% OF 30 - YEAR Average Flows



Additional Weather and Forecasting Sources

- www.wrh.noaa.gov/Saltlake
- www.cbrfc.gov
- brian.mcinerney@noaa.gov

Questions?
