

**SJWC**

San Juan Water Commission



# Water Resource Update

August 3, 2011

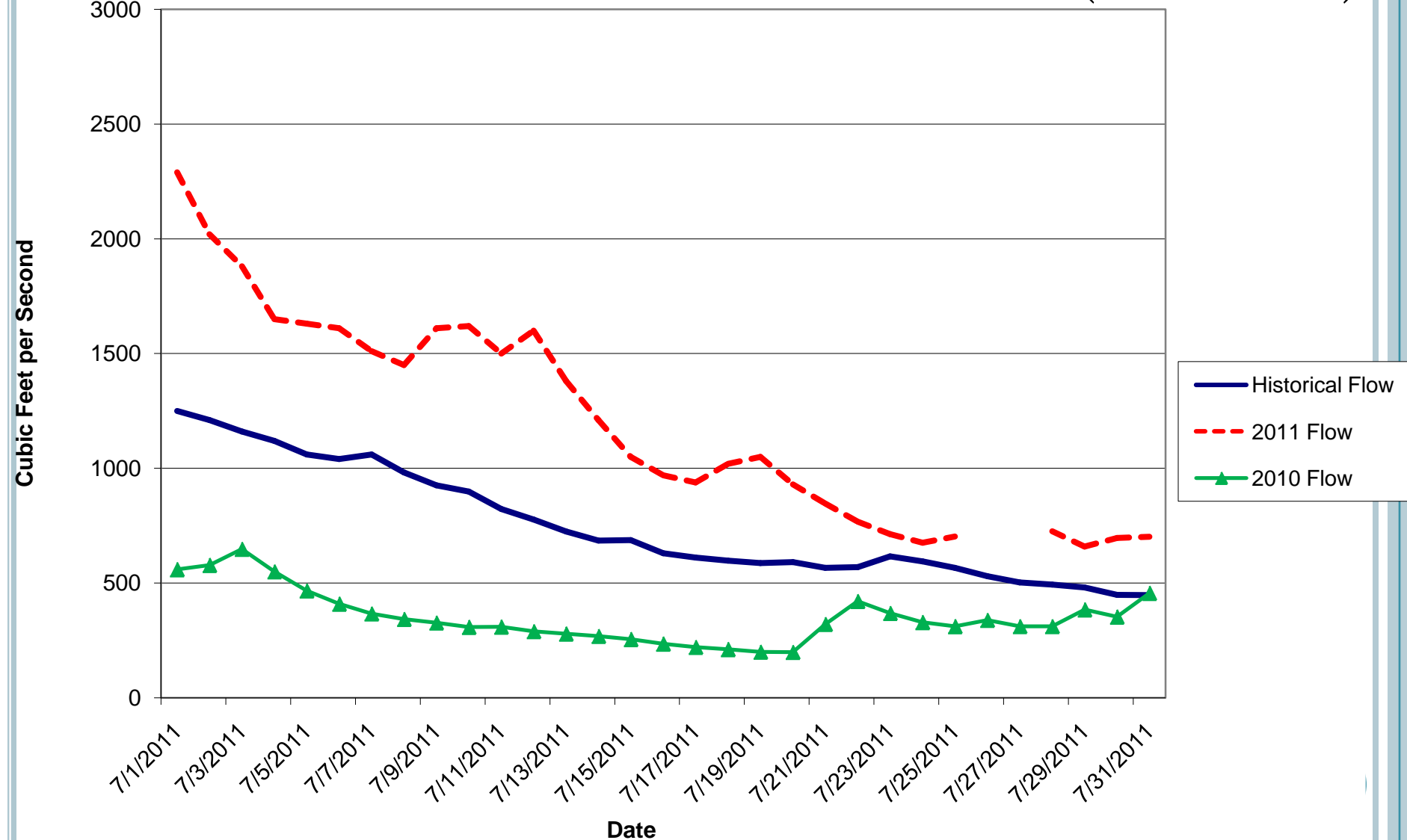


- 
- Current Stream Conditions
  - Animas-La Plata Status
  - Current Navajo Reservoir Status
  - Current Climate Conditions and Outlook



# USGS STREAM FLOW DATA

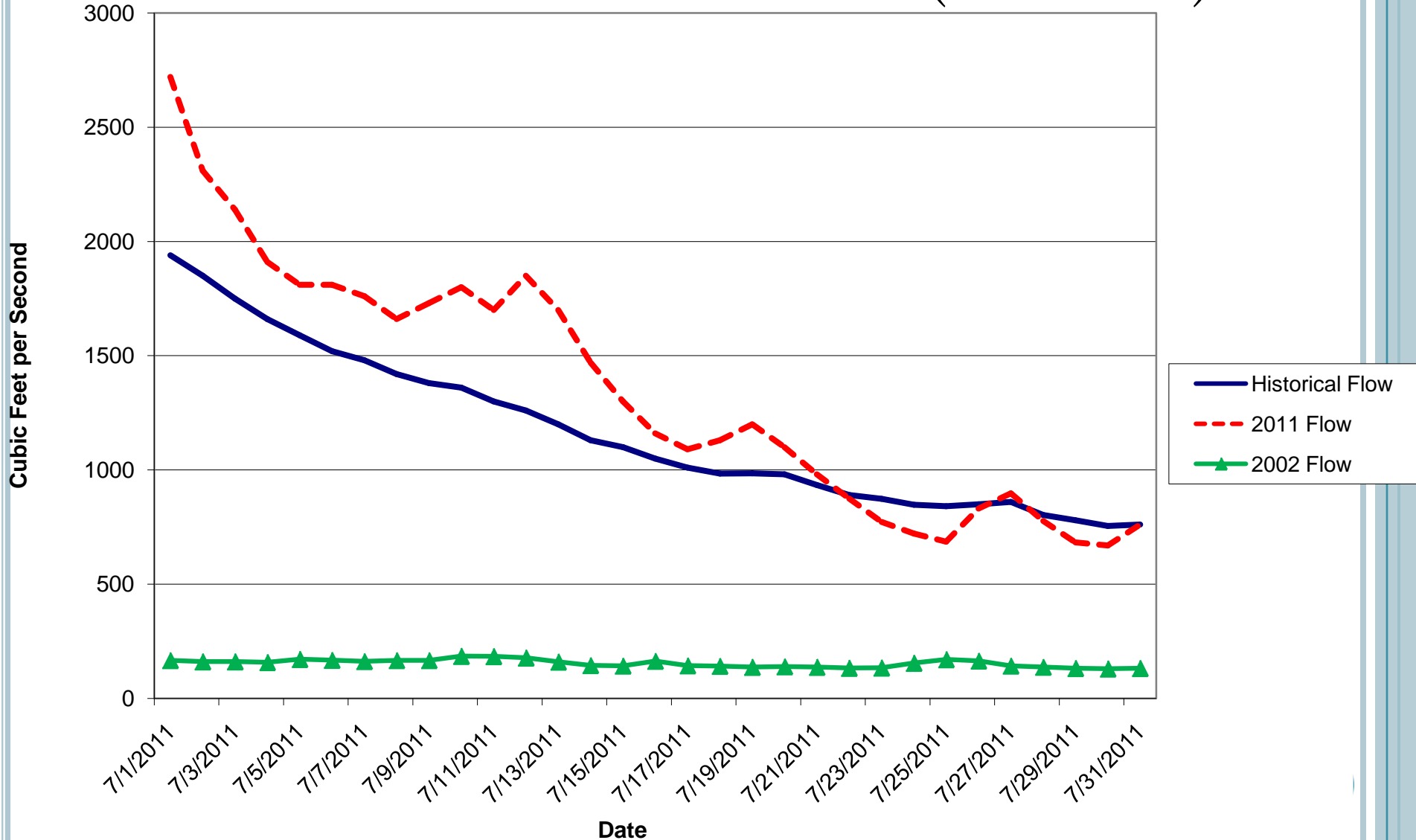
## ANIMAS RIVER AT TALL TIMBER "TEFT" (09359500)



Stream Flow Data for the month of July is 163% of average

# USGS STREAM FLOW DATA

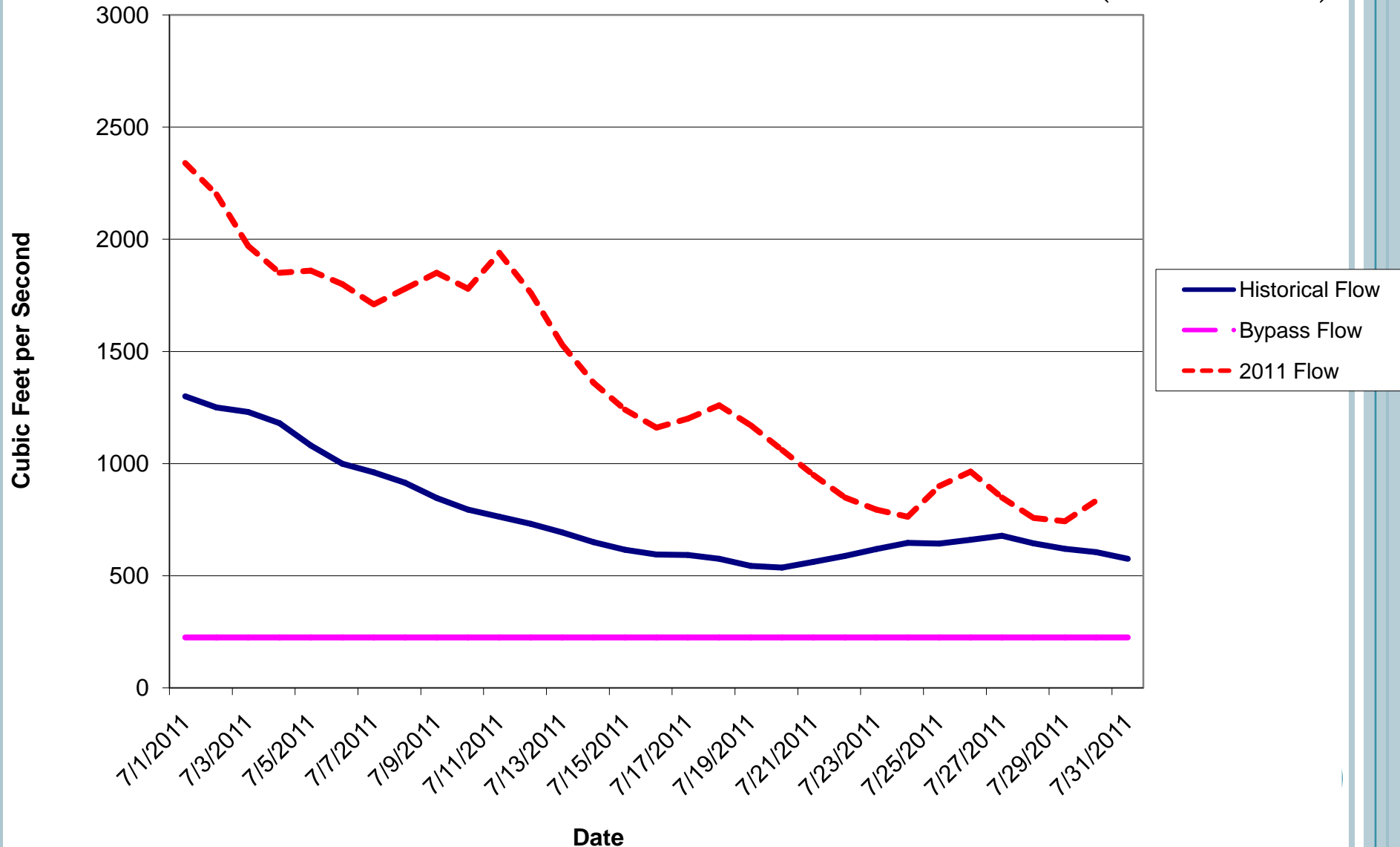
## ANIMAS RIVER AT DURANGO (09359500)



Stream Flow Data for the month of July is 116% of average

# USGS STREAM FLOW DATA

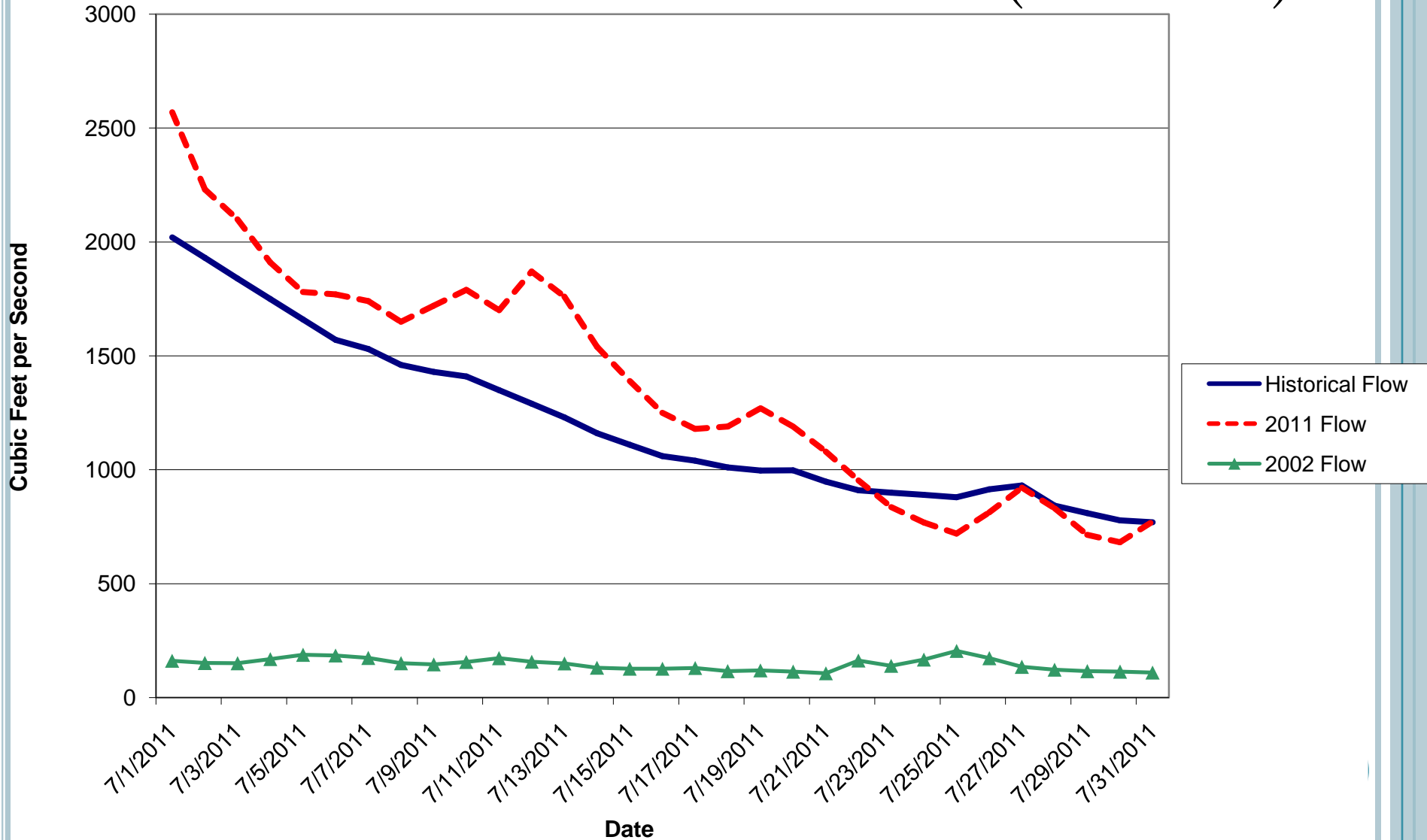
## ANIMAS RIVER BELOW DURANGO PUMPING PLANT (09362520)



Stream Flow Data for the month of July is 185% of average

# USGS STREAM FLOW DATA

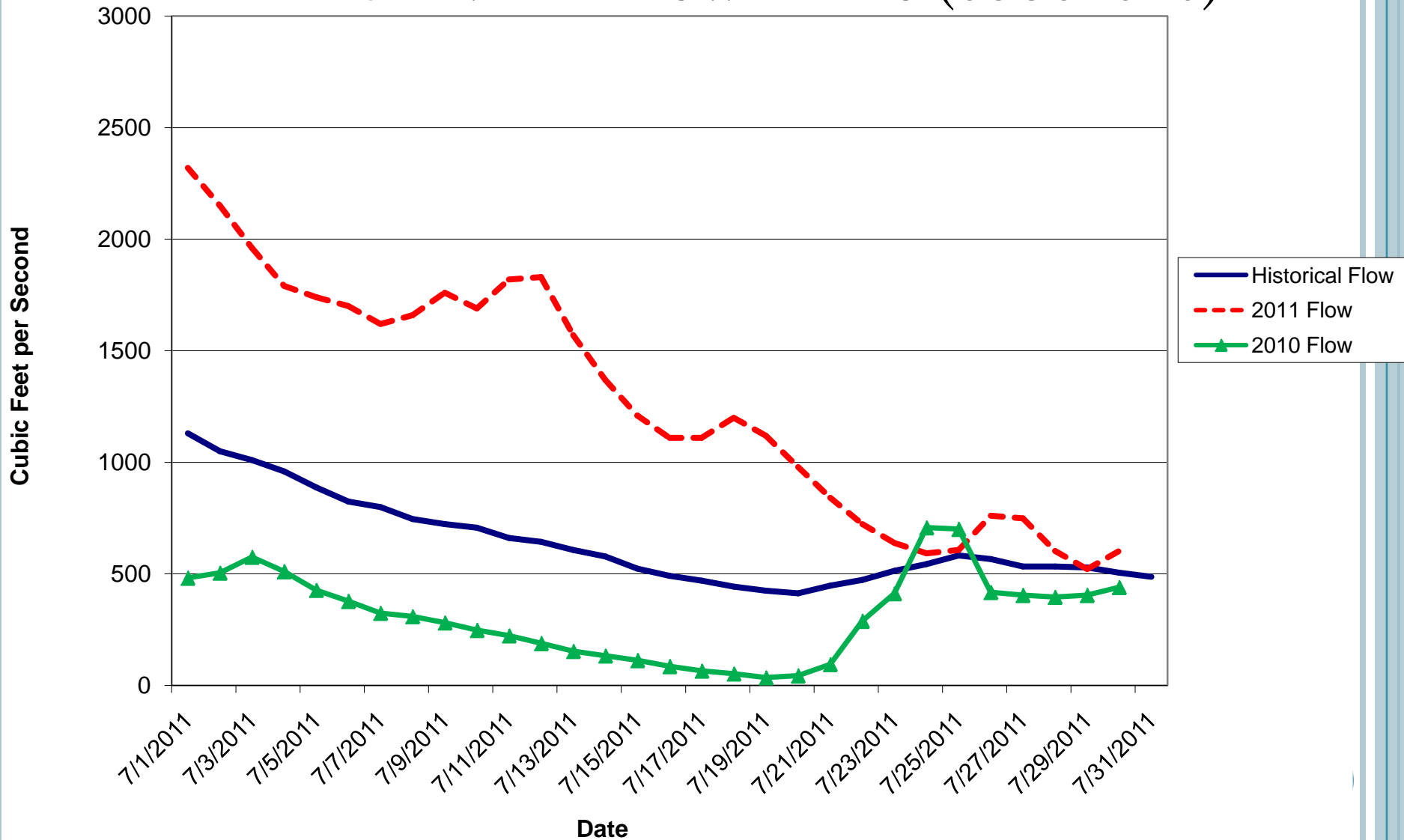
## ANIMAS RIVER NEAR CEDAR HILL (09363500)



Stream Flow Data for the month of July is 114% of average

# USGS STREAM FLOW DATA

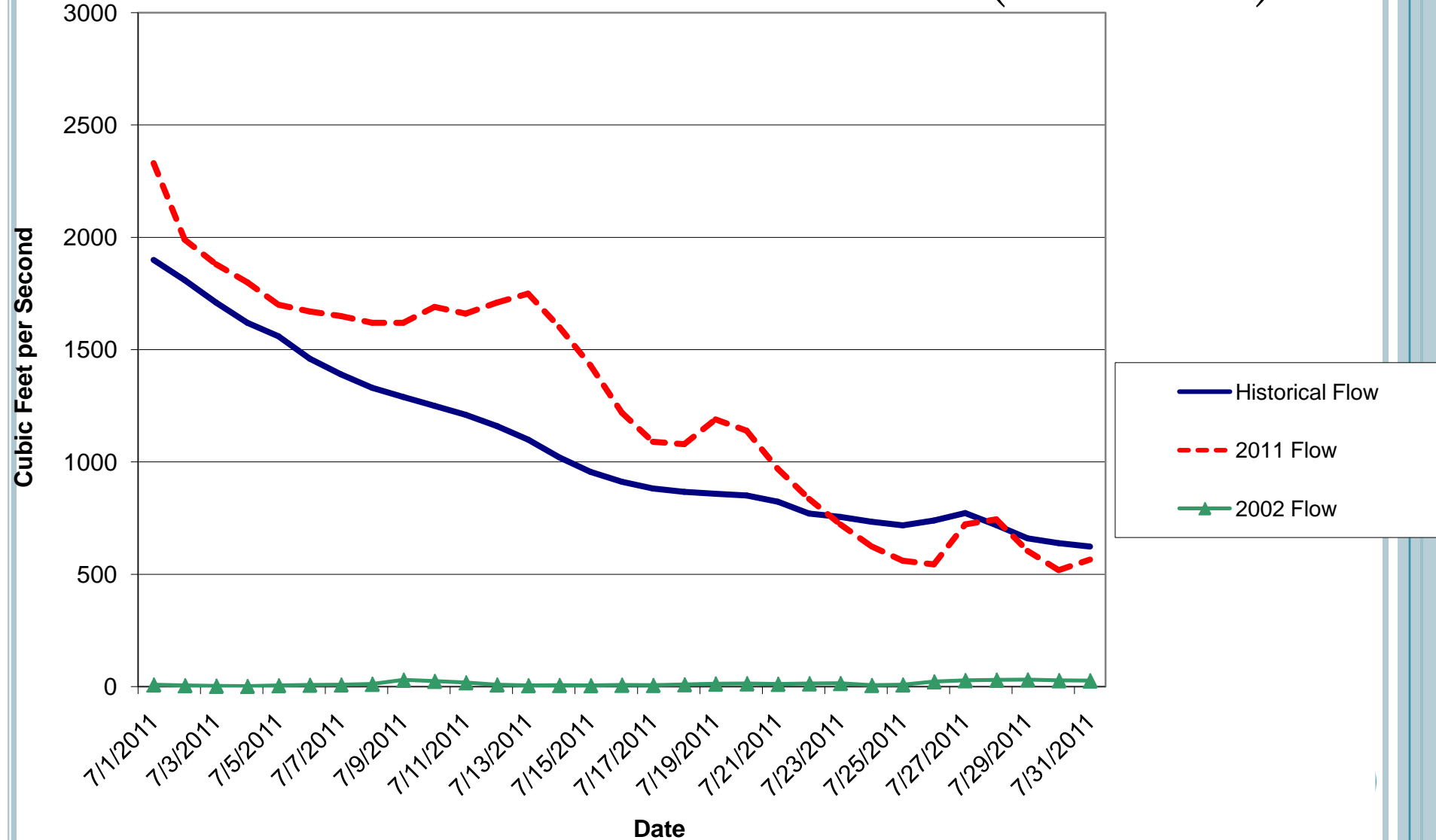
## ANIMAS RIVER BELOW AZTEC (09364010)



Stream Flow Data for the month of July is 207% of average

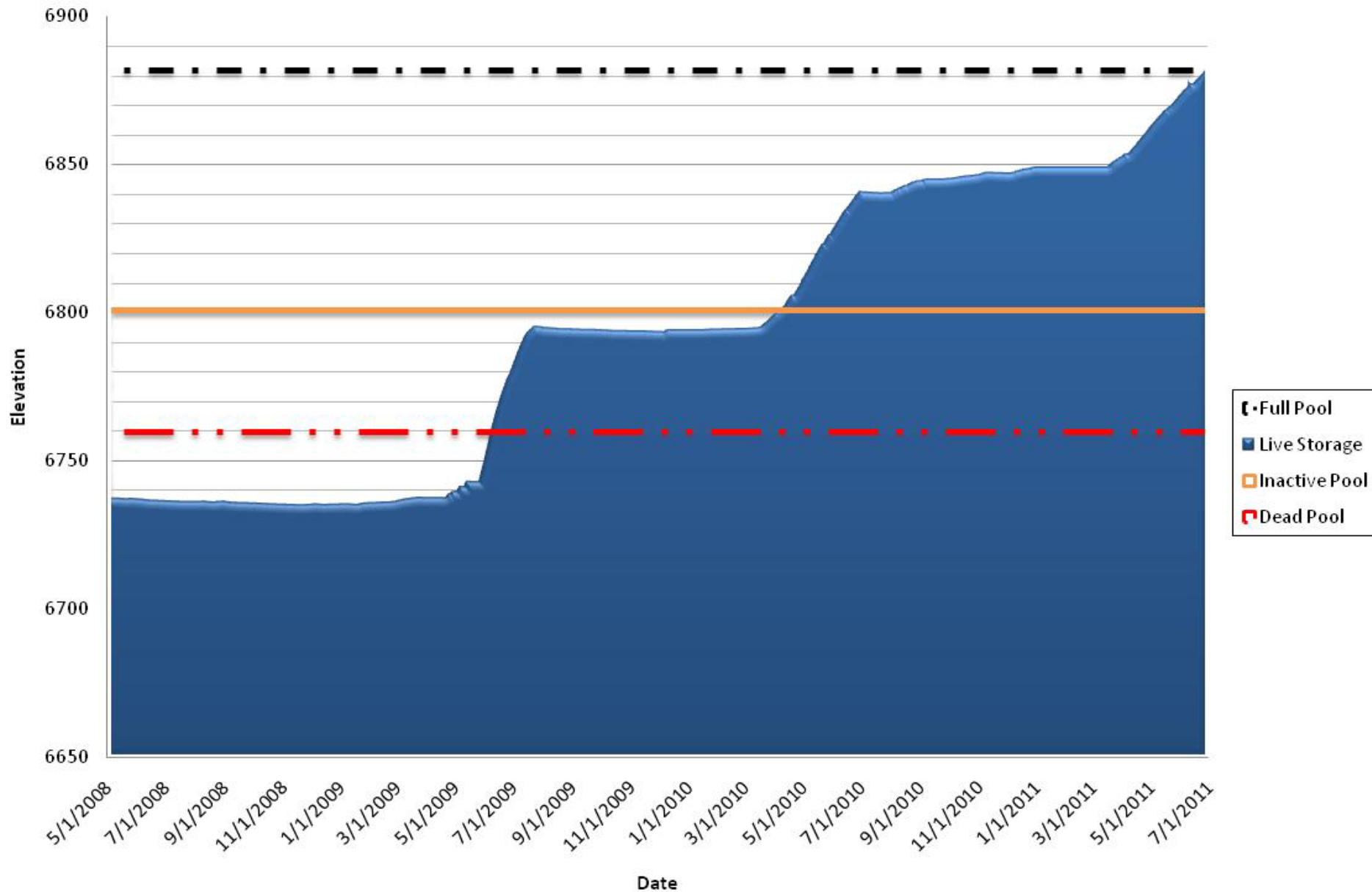
# USGS STREAM FLOW DATA

## ANIMAS RIVER AT FARMINGTON (09364500)



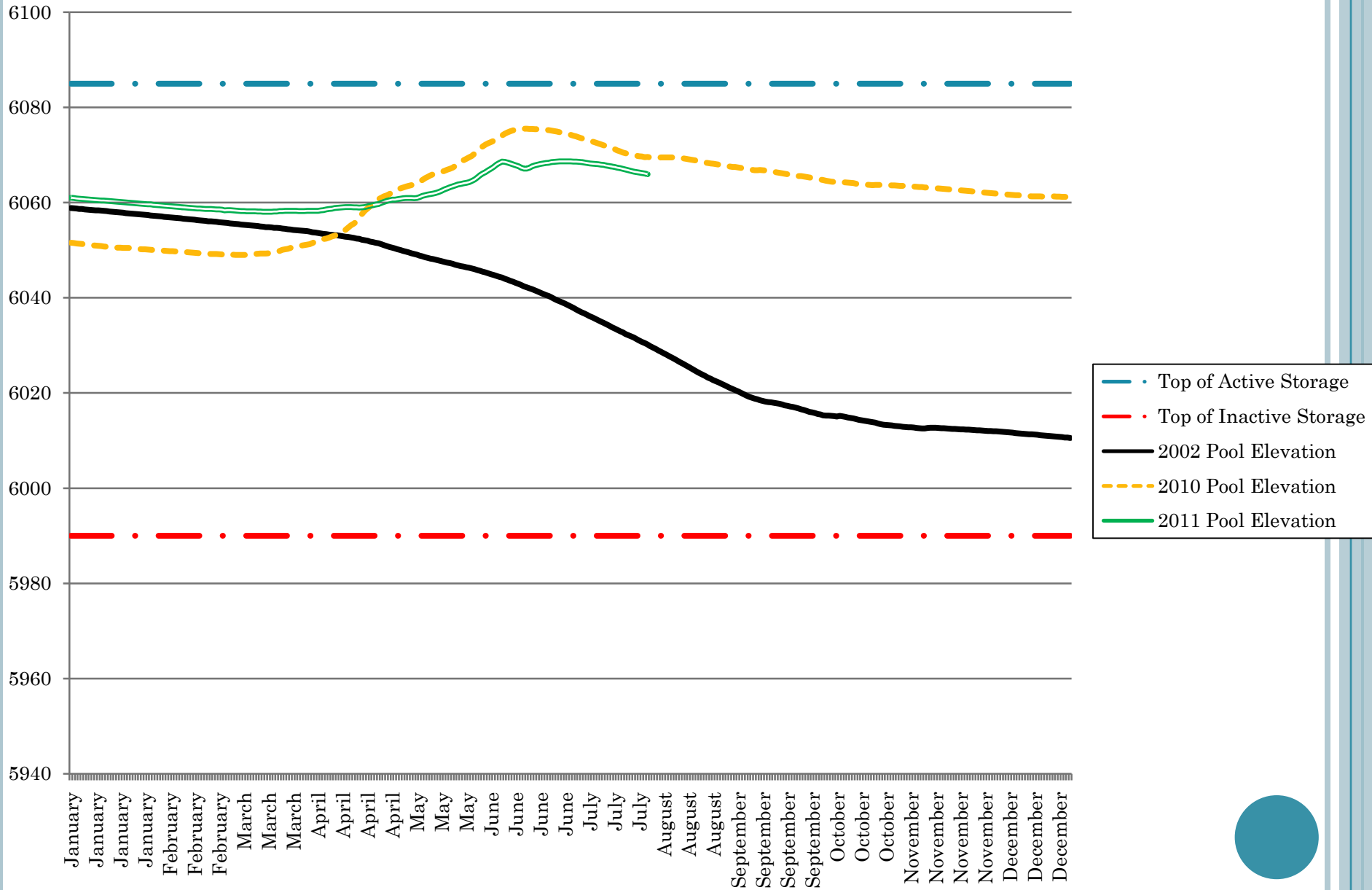
Stream Flow Data for the month of July is 119% of average

# Animas - La Plata Reservoir Pool Elevation



Animas - La Plata current water content as of June 29<sup>th</sup> is 100% of capacity

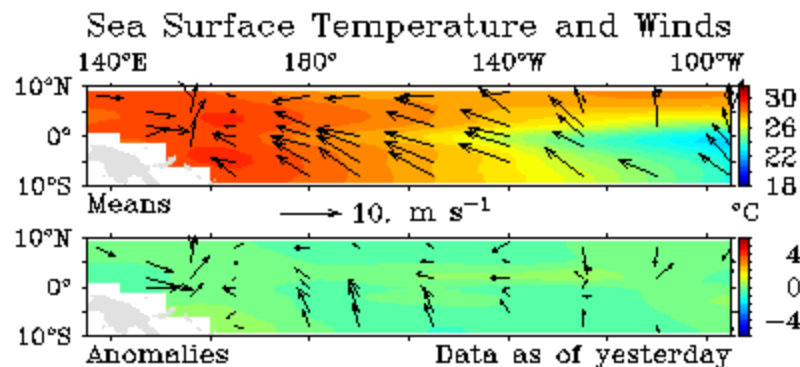
# NAVAJO RESERVOIR POOL ELEVATION



Navajo Reservoir's current water content as of August 1<sup>st</sup> is 84% of capacity

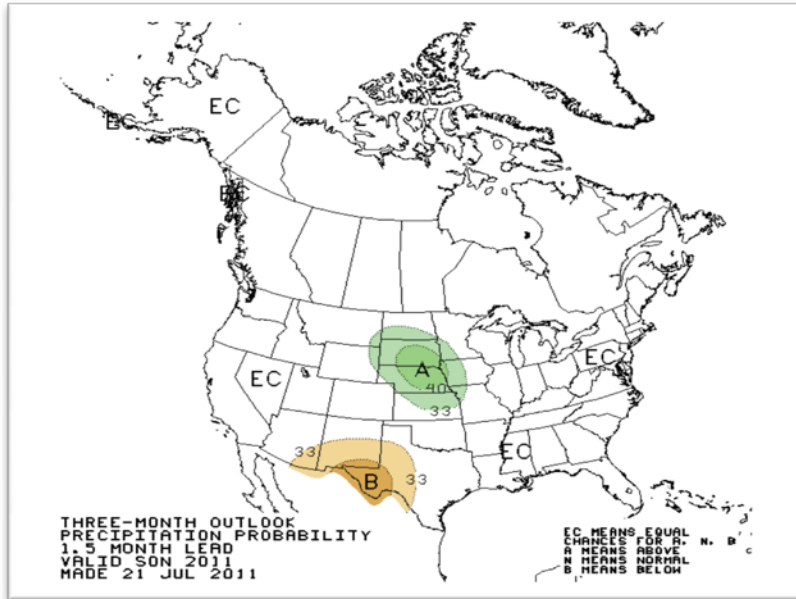
# LA NIÑA ADVISORY

- ENSO – neutral conditions are present across the equatorial Pacific.
- Sea surface temperatures (SST) are near-average across the equatorial Pacific Ocean.
- Atmospheric circulation anomalies still reflect aspects of La Niña.
- ENSO – neutral conditions are expected to continue into the Northern Hemisphere fall 2011.

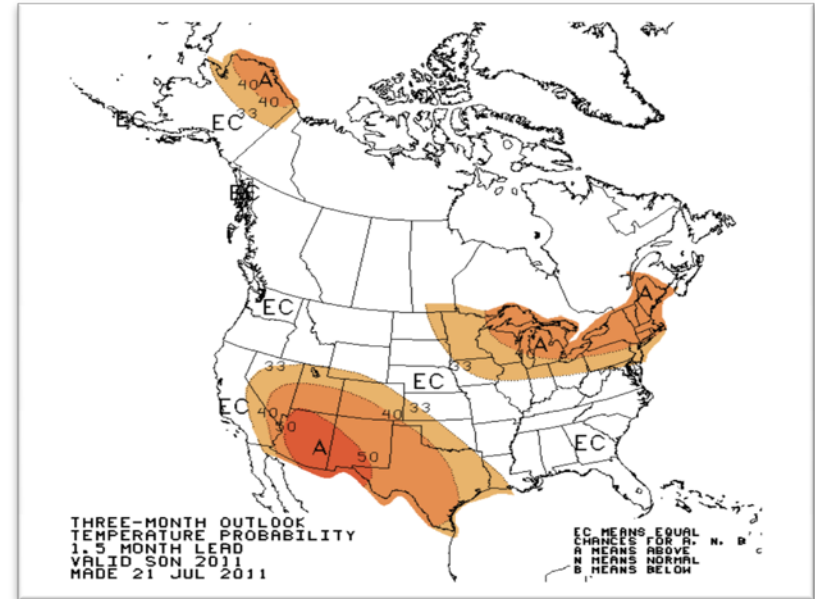


# PRECIPITATION AND TEMPERATURE OUTLOOK

## Precipitation Sep-Oct-Nov 2011



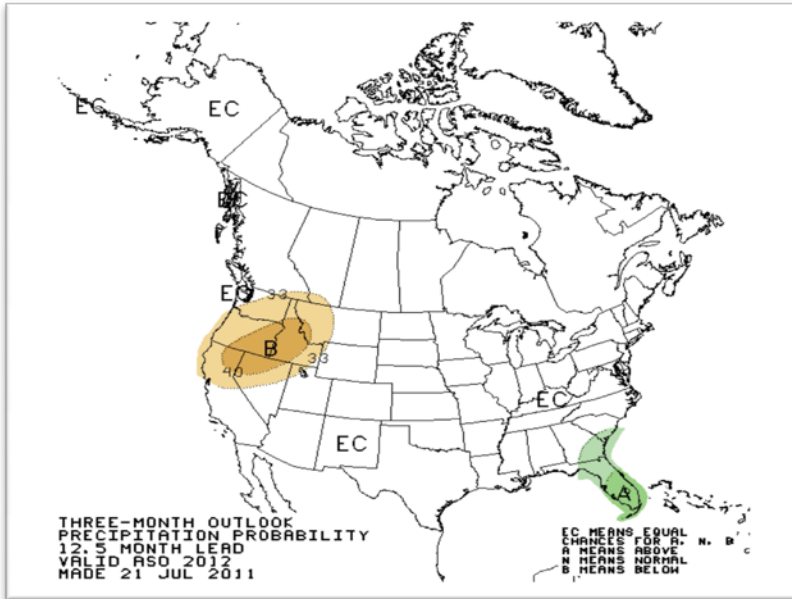
## Temperature Sep-Oct-Nov 2011



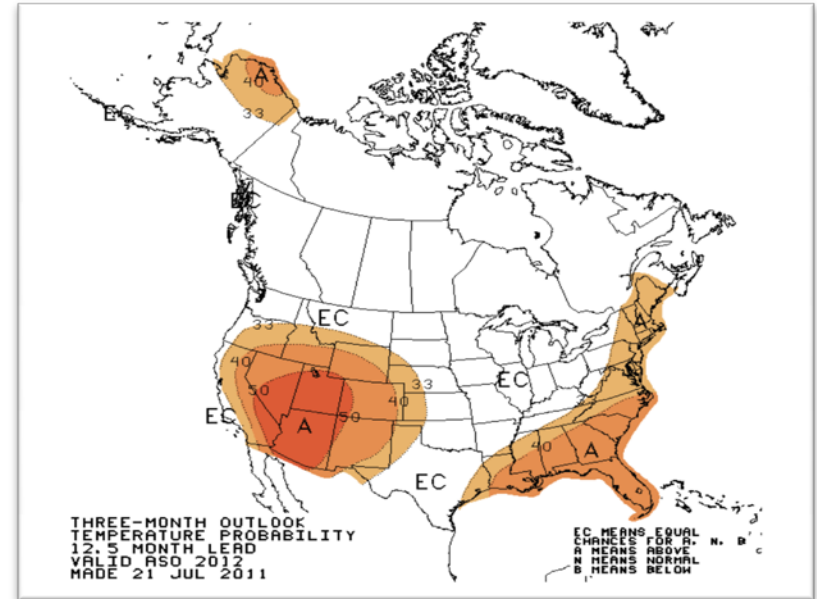
Precip	Temp	Probability anomaly as shown on map	Probability of occurrence for each Equal			Most likely category
			A	N	B	
		40%-50%	73.3%-83.3%	23.3%-13.3%	3.3%	"Above"
		30%-40%	63.3%-73.3%	33.3%-23.3%	3.3%	"Above"
		20%-30%	53.3%-63.3%	33.3%	13.3%-3.3%	"Above"
		10%-20%	43.3%-53.3%	33.3%	23.3%-13.3%	"Above"
		5%-10%	38.3%-43.3%	33.3%	23.3%-28.3%	"Above"
		0%-5%	33.3%-38.3%	33.3%	33.3%-28.3%	"Above"
		0%-5%	30.8%-33.3%	33.3%-38.3%	30.8%-33.3%	"Near Normal"
		5%-10%	28.3%-30.8%	38.3%-43.3%	28.3%-30.8%	"Near Normal"
		0%-5%	33.3%-28.3%	33.3%	33.3%-38.3%	"Below"
		5%-10%	28.3%-23.3%	33.3%	38.3%-43.3%	"Below"
		10%-20%	23.3%-13.3%	33.3%	43.3%-53.3%	"Below"
		20%-30%	13.3%-3.3%	33.3%	53.3%-63.3%	"Below"
		30%-40%	3.3%	33.3%-23.3%	63.3%-73.3%	"Below"
		40%-50%	3.3%	23.3%-13.3%	73.3%-83.3%	"Below"
		0%	33.3%	33.3%	33.3%	"Equal Chances"

# PRECIPITATION AND TEMPERATURE OUTLOOK

## Precipitation Aug-Sep-Oct 2012



## Temperature Aug-Sep-Oct 2012

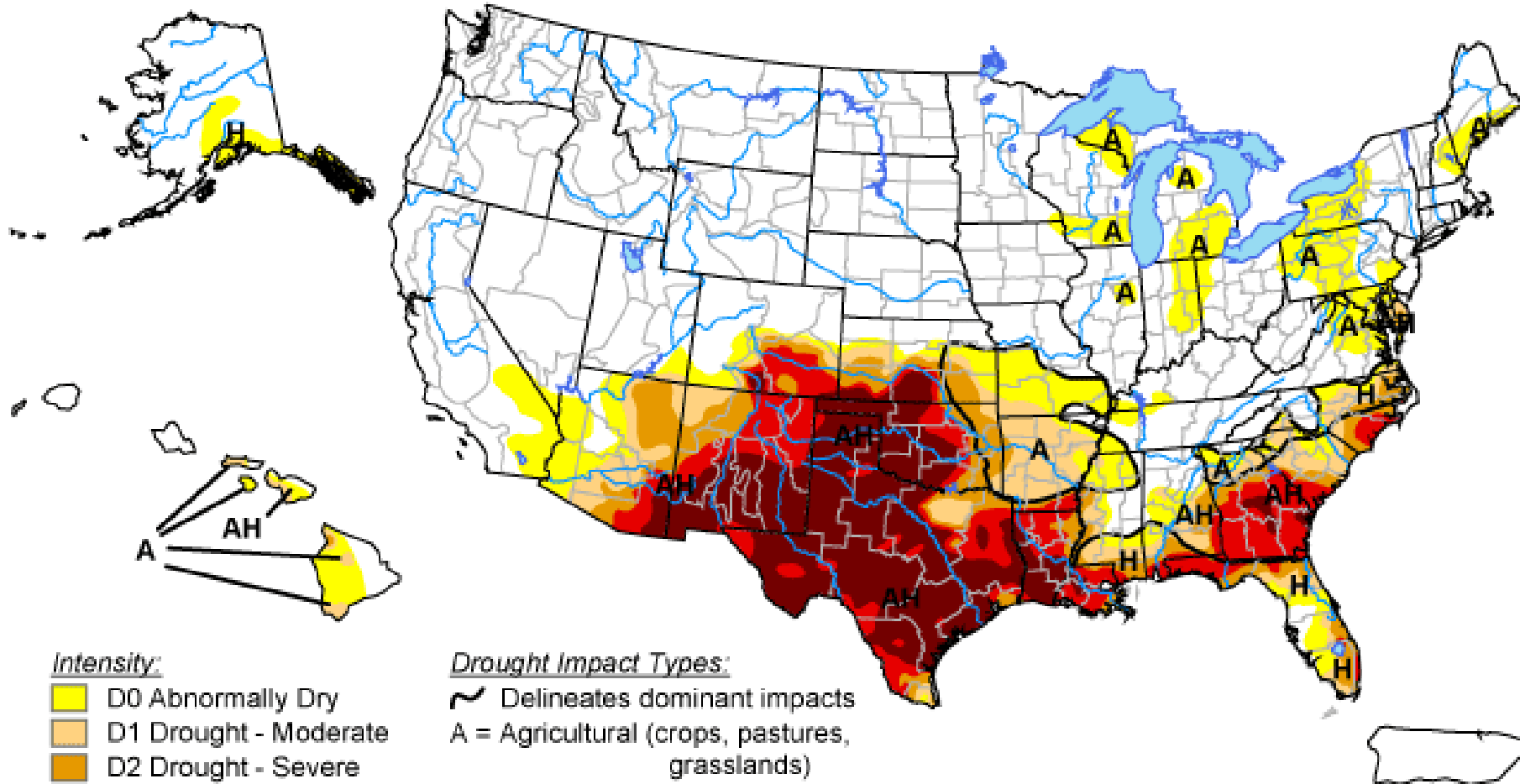


Precip	Temp	Probability anomaly as shown on map	Probability of occurrence for each Equal			Most likely category
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		5%-10%	28.3%-23.3%	33.3%	38.3%-43.3%	"Below"
		10%-20%	23.3%-13.3%	33.3%	43.3%-53.3%	"Below"
		20%-30%	13.3%-3.3%	33.3%	53.3%-63.3%	"Below"
		30%-40%	3.3%	33.3%-23.3%	63.3%-73.3%	"Below"
		40%-50%	3.3%	23.3%-13.3%	73.3%-83.3%	"Below"
		0%	33.3%	33.3%	33.3%	"Equal Chances"






# U.S. Drought Monitor

July 26, 2011


Valid 8 a.m. EDT



## Intensity:

-  D0 Abnormally Dry
-  D1 Drought - Moderate
-  D2 Drought - Severe
-  D3 Drought - Extreme
-  D4 Drought - Exceptional

## Drought Impact Types:

-  Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://drought.unl.edu/dm>



Released Thursday, July 28, 2011  
Author: Brad Rippey, U.S. Department of Agriculture  
Drought Monitor Website - <http://drought.unl.edu/dm>