



Mancos Watershed and Drought Resilience Planning

Gretchen Rank

2002 303(d) Listing
2003 Salinity Control Area
2005 UMU Tribe Nonpoint Source
2006 MVWG Formed
2007 Functional Assessment
2008 NRCS Rapid Assessment
2009 DRMS Chemistry Survey &
B.U.G.S
2010 CPW Fish Survey
2010 MCD Diversion Survey and
Inventory
2011 Colorado Water Trust In-
Stream Flow Report
2011 Mancos Watershed Plan



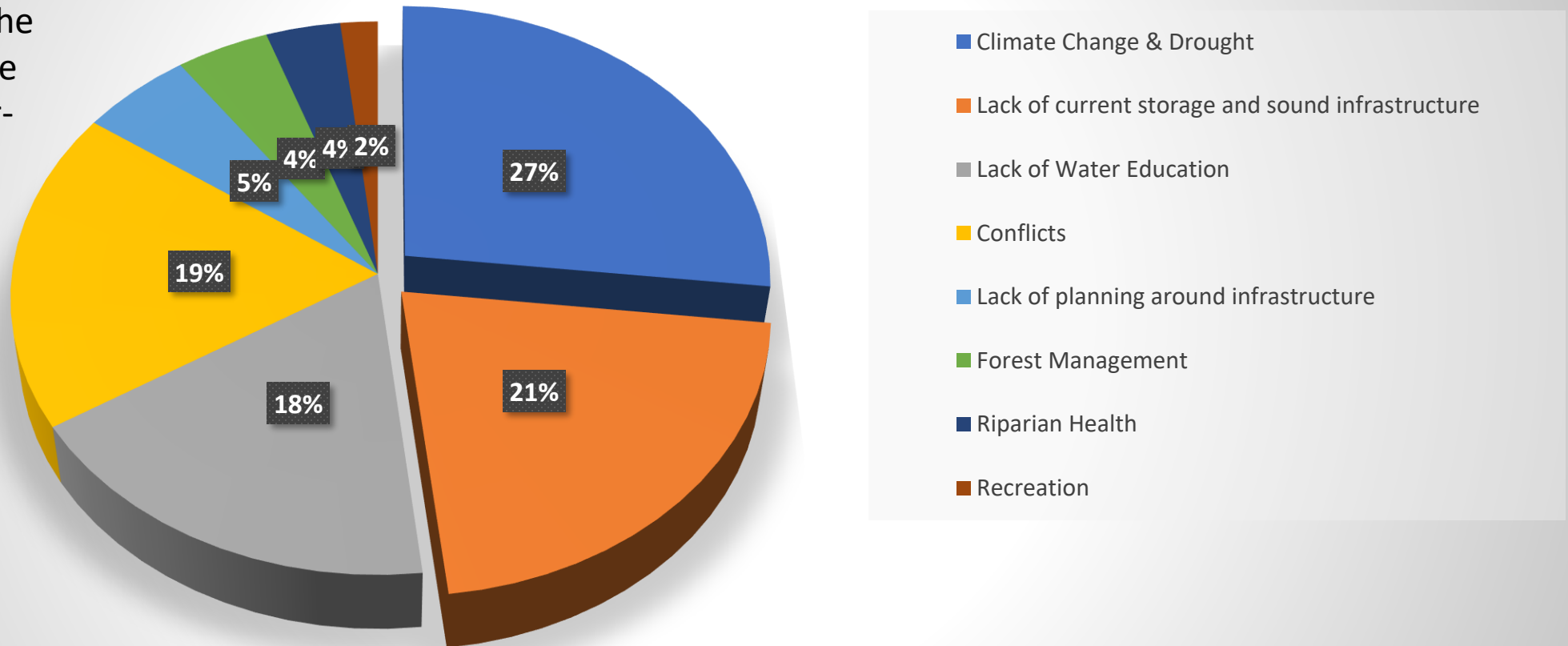


Mancos Watershed Water and Drought
Concern Gathering

Question 1: What water supply issues are of critical importance to our community?

“In 2002 and 2018, the river dried up at times...it no longer supports the species who need the perennial water year-round”

Stakeholder Response

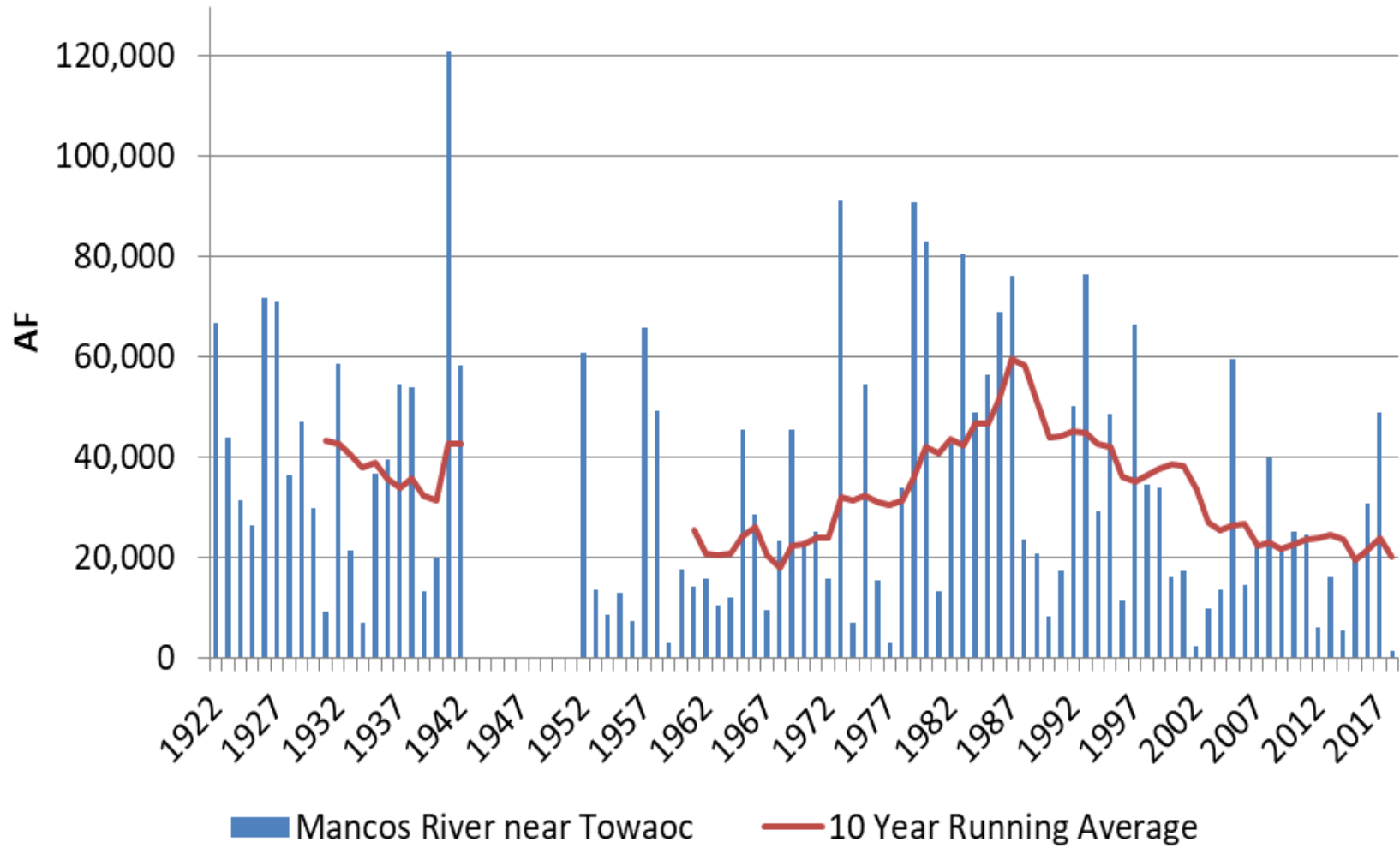




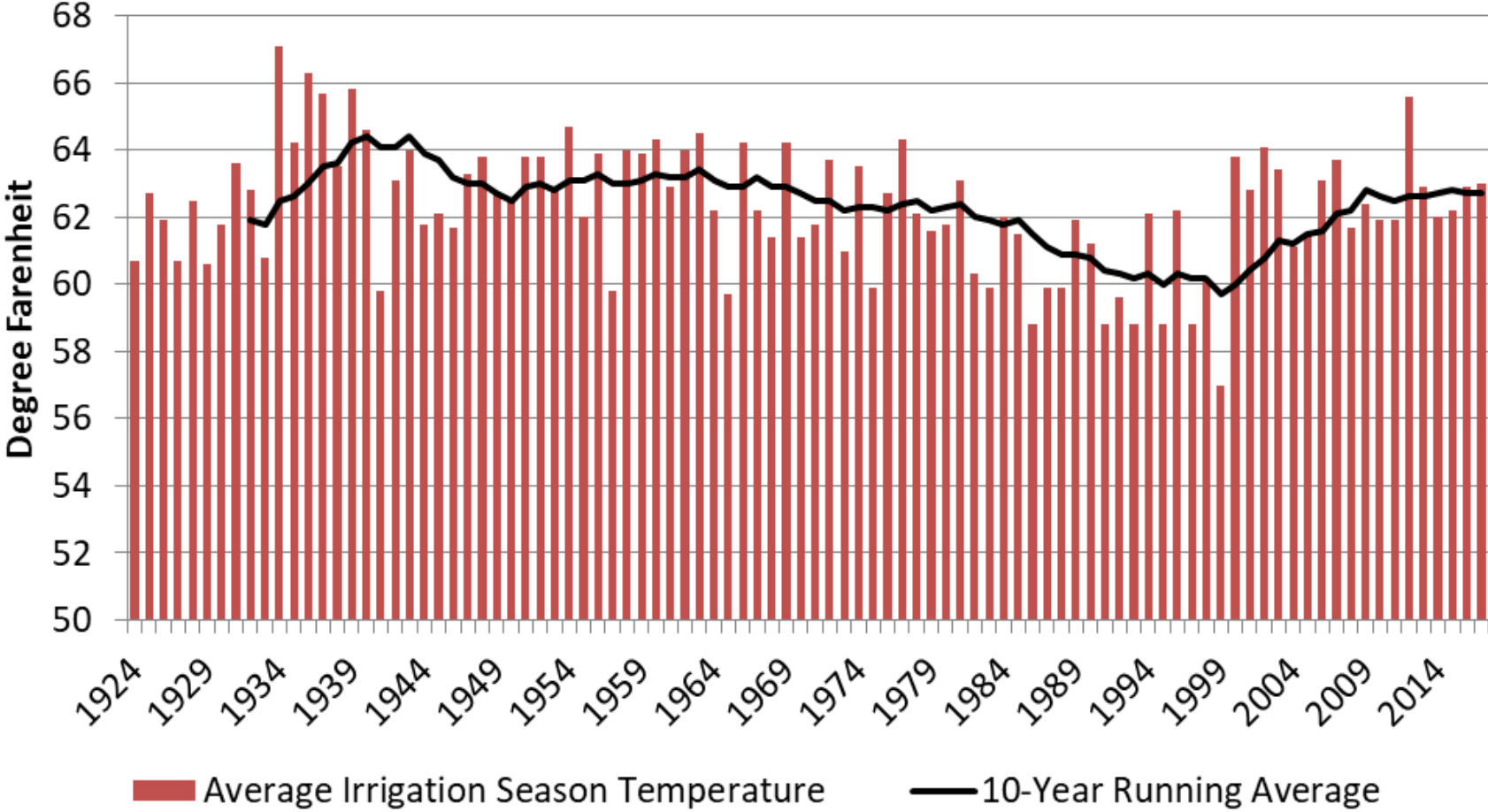
Colorado Decision Support Tools

- To develop a repeatable and scalable decision support framework for prioritizing adaptive strategies to improve the drought resiliency of livelihoods, streamflow and fisheries

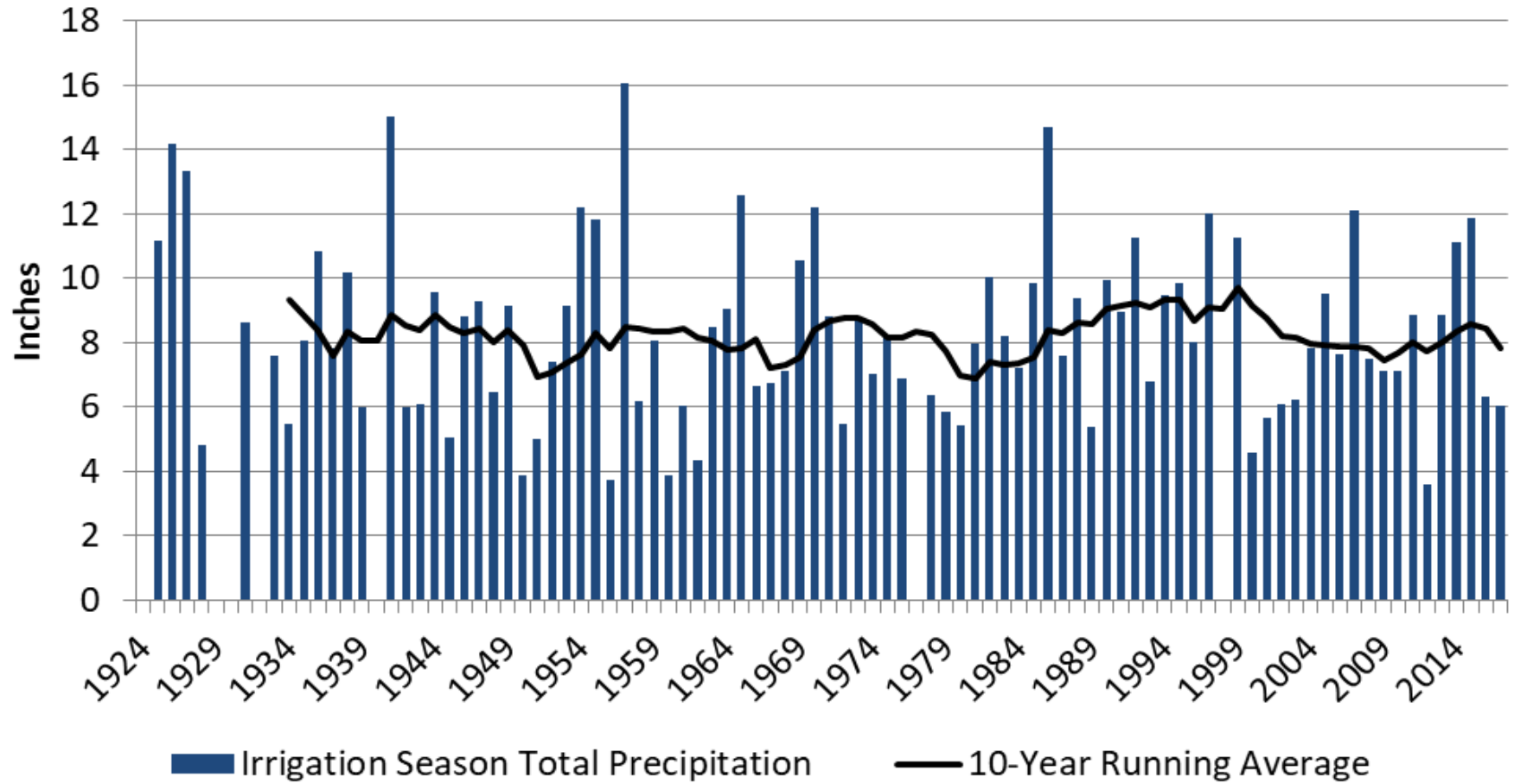
Manco River near Towaoc Annual Streamflow



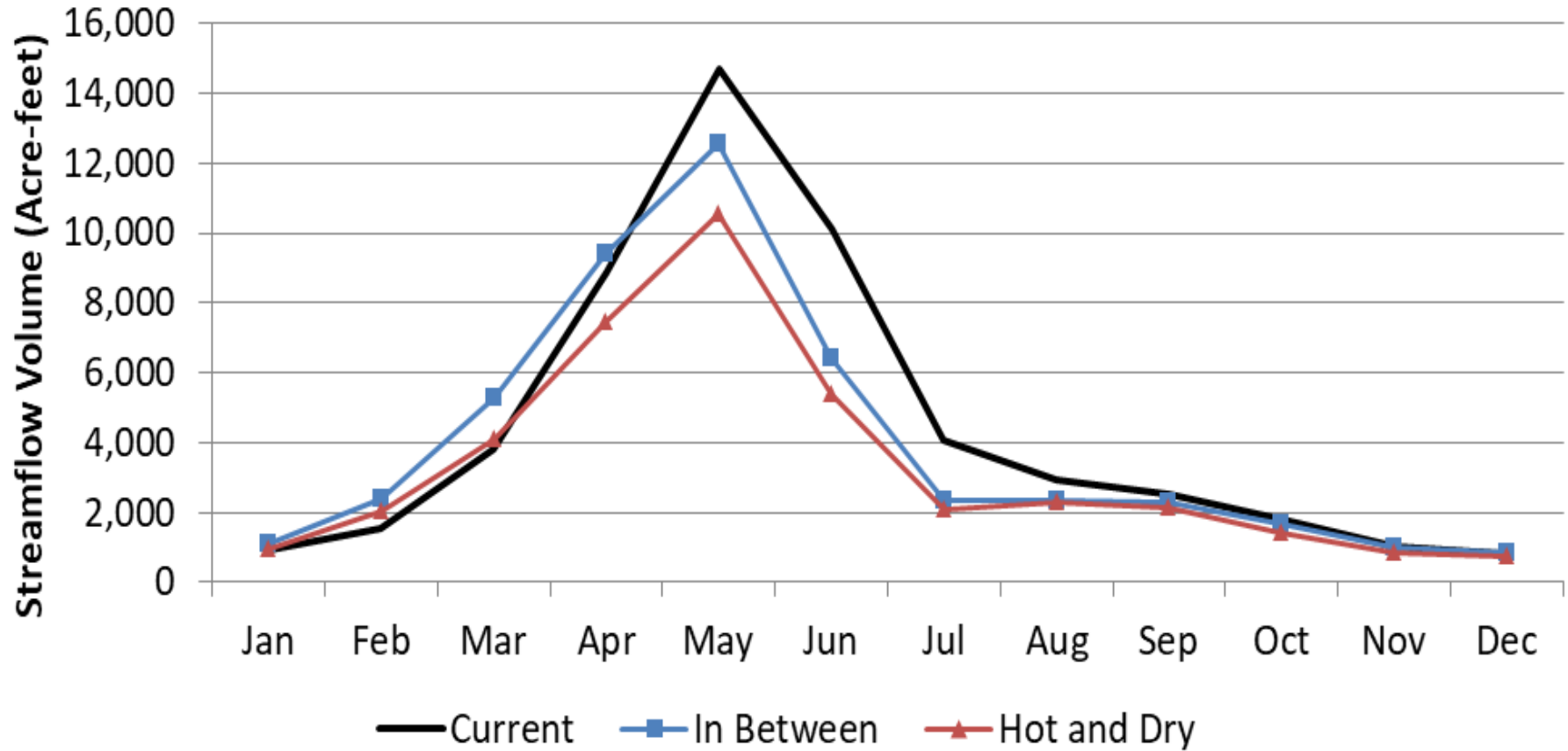
Average Irrigation Season Temperature Mesa Verde National Park COOP Station



Irrigation Season Total Precipitation Mesa Verde National Park COOP Station



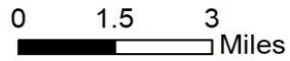
Mancos River near Towaoc - Natural Flow Average Monthly



Mancos River Watershed

Drought Resilience Planning

The Valley Area



Legend

Stream Gage

⊕ Active

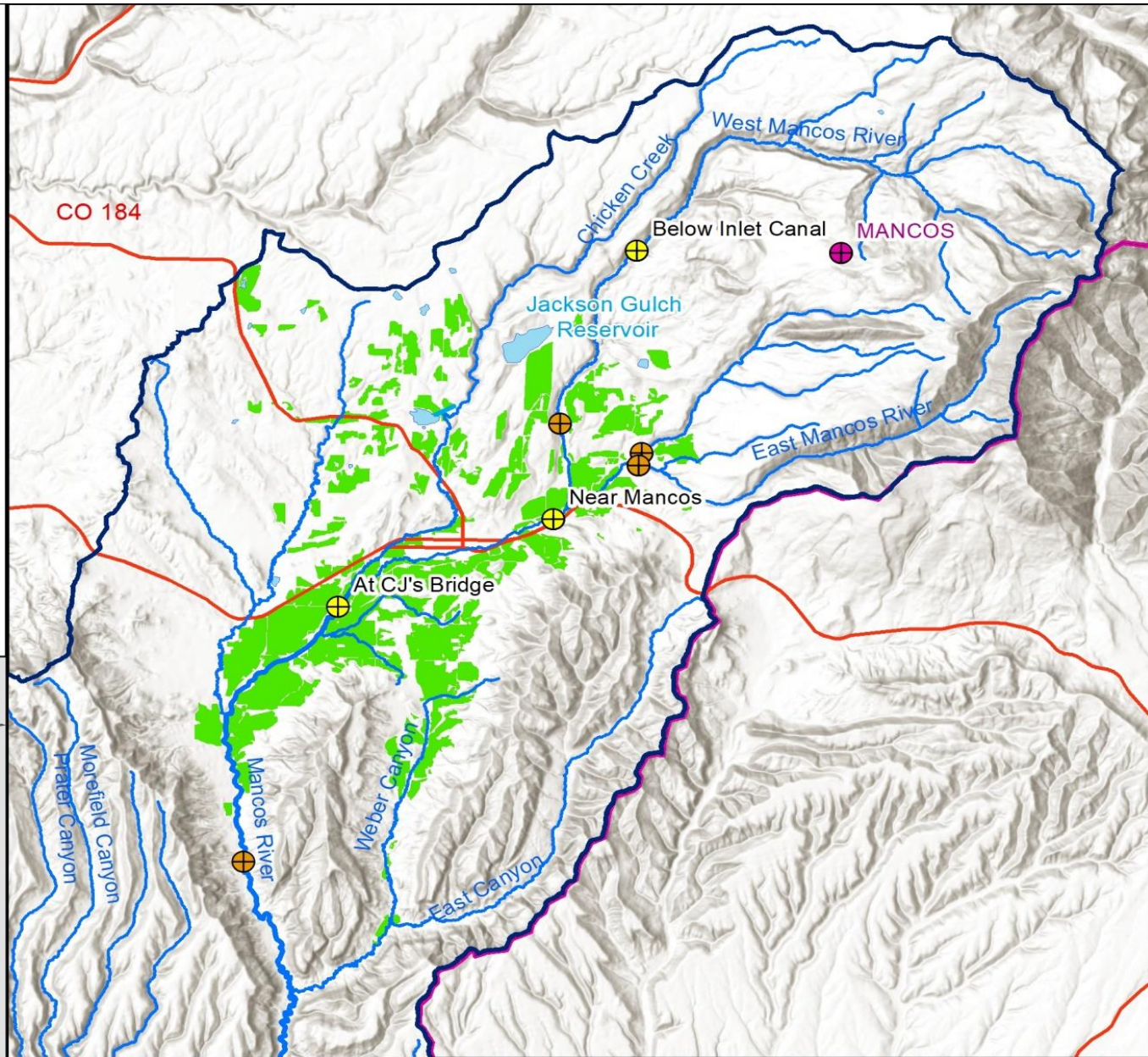
⊗ Historic

■ Irrigated Acreage

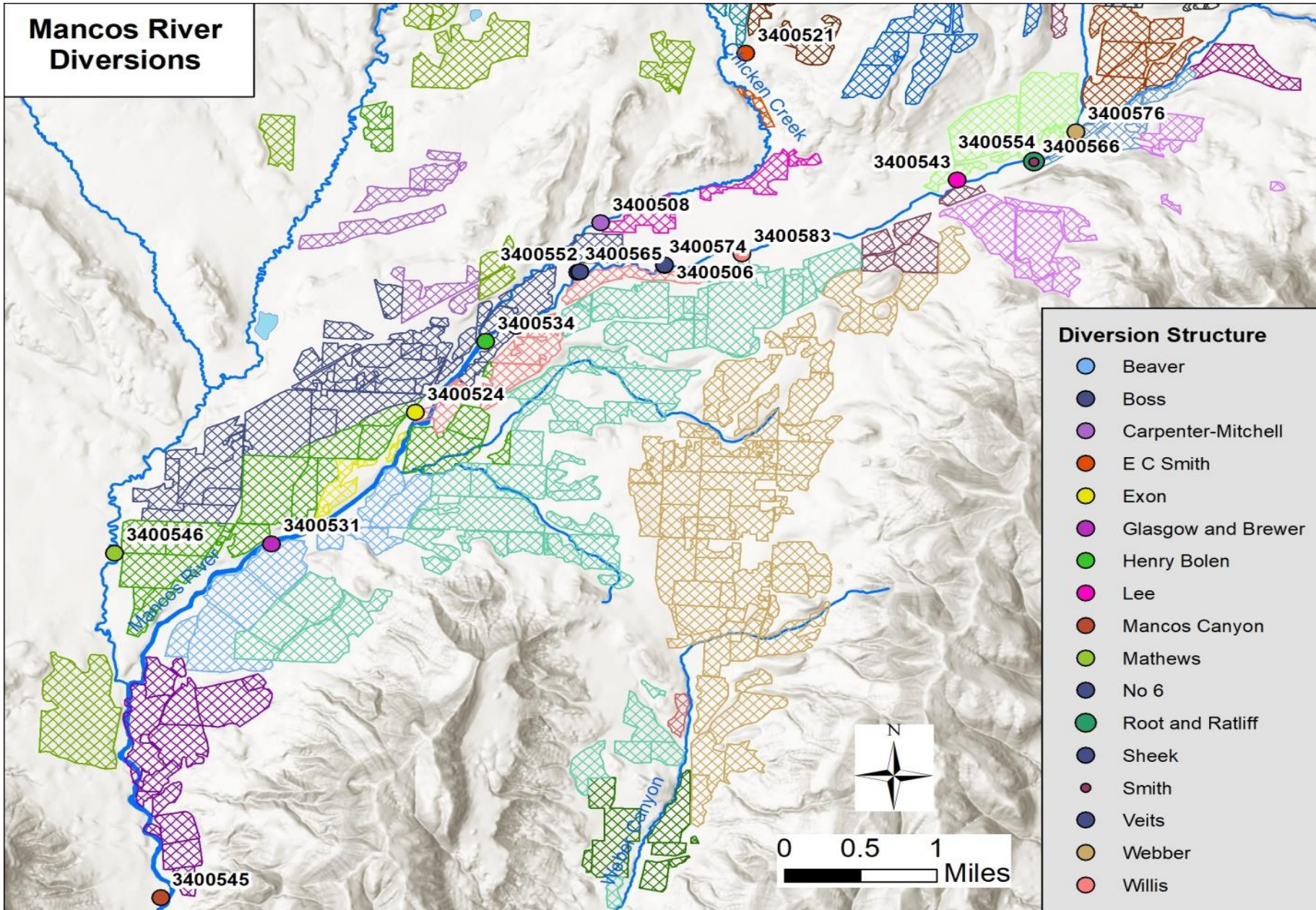
— Local Highways

⊕ SNOTEL

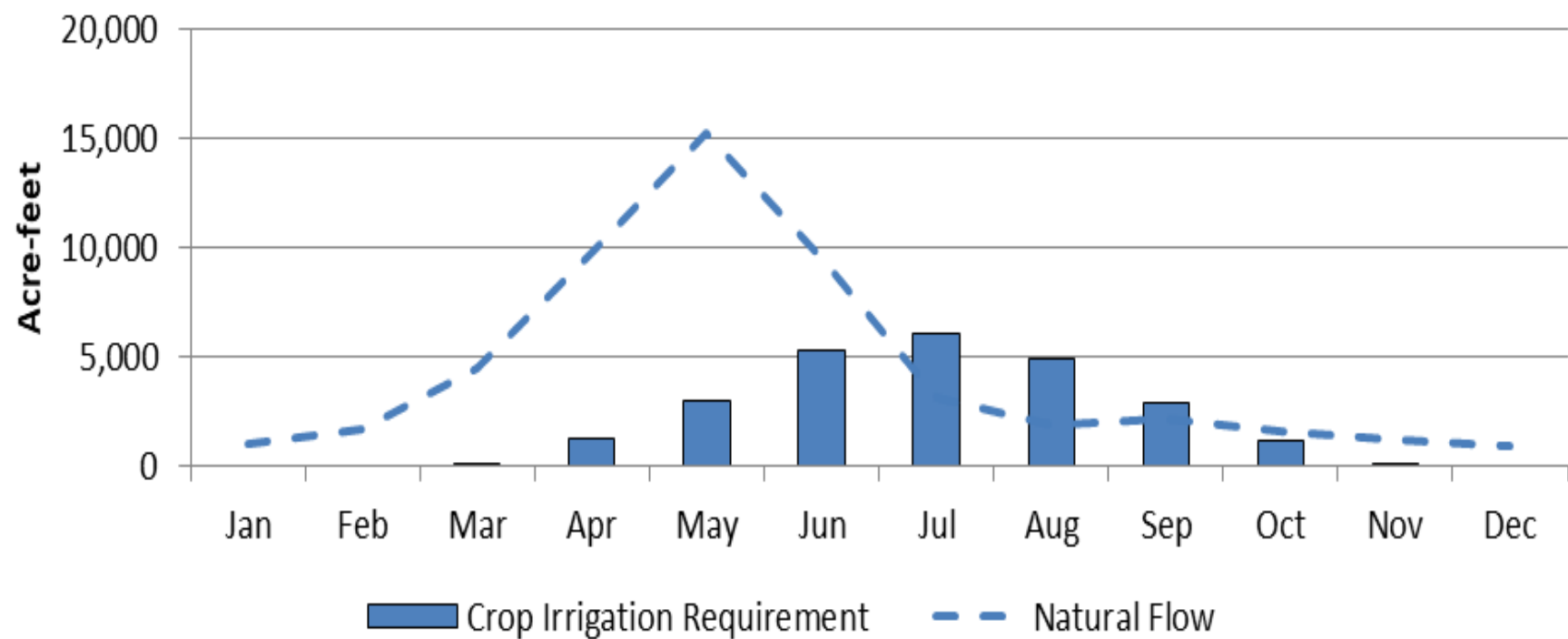
— Rivers



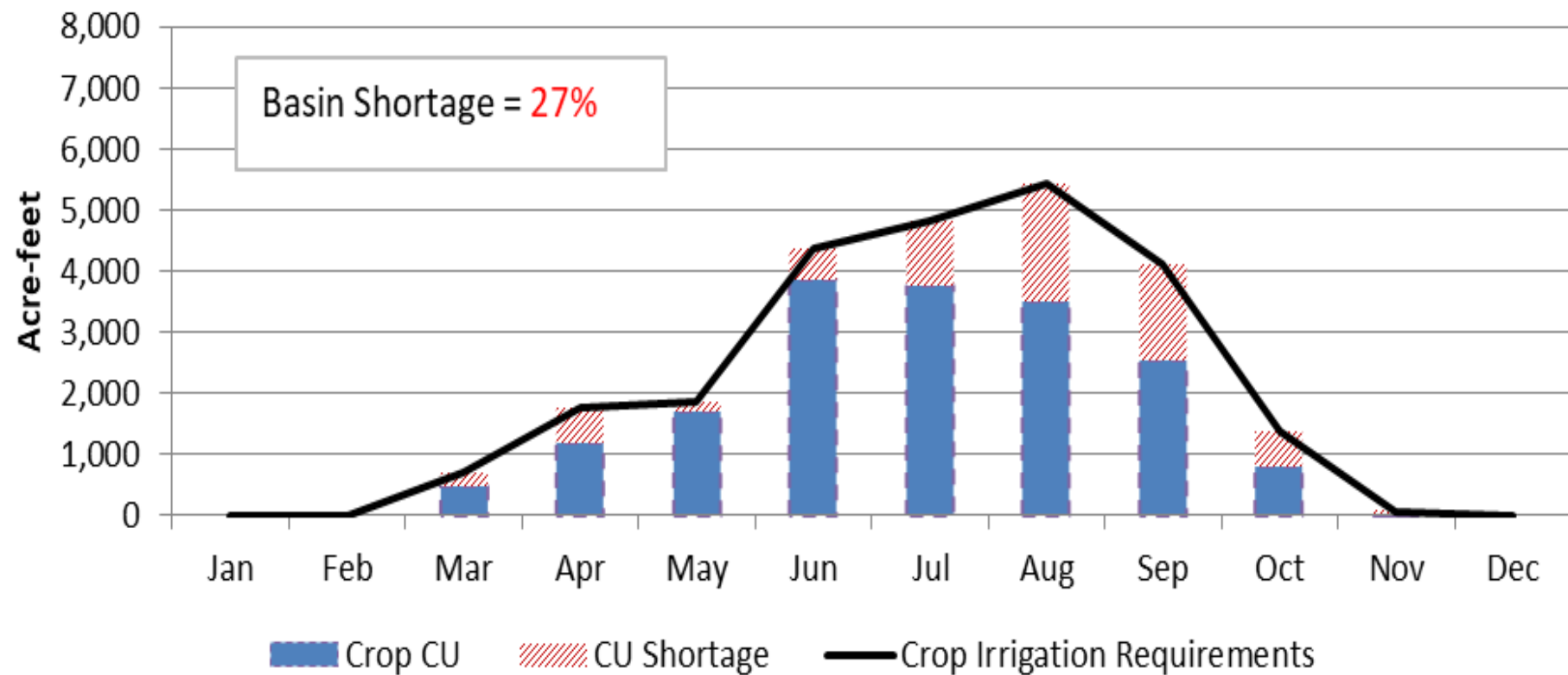
Mancos River Diversions



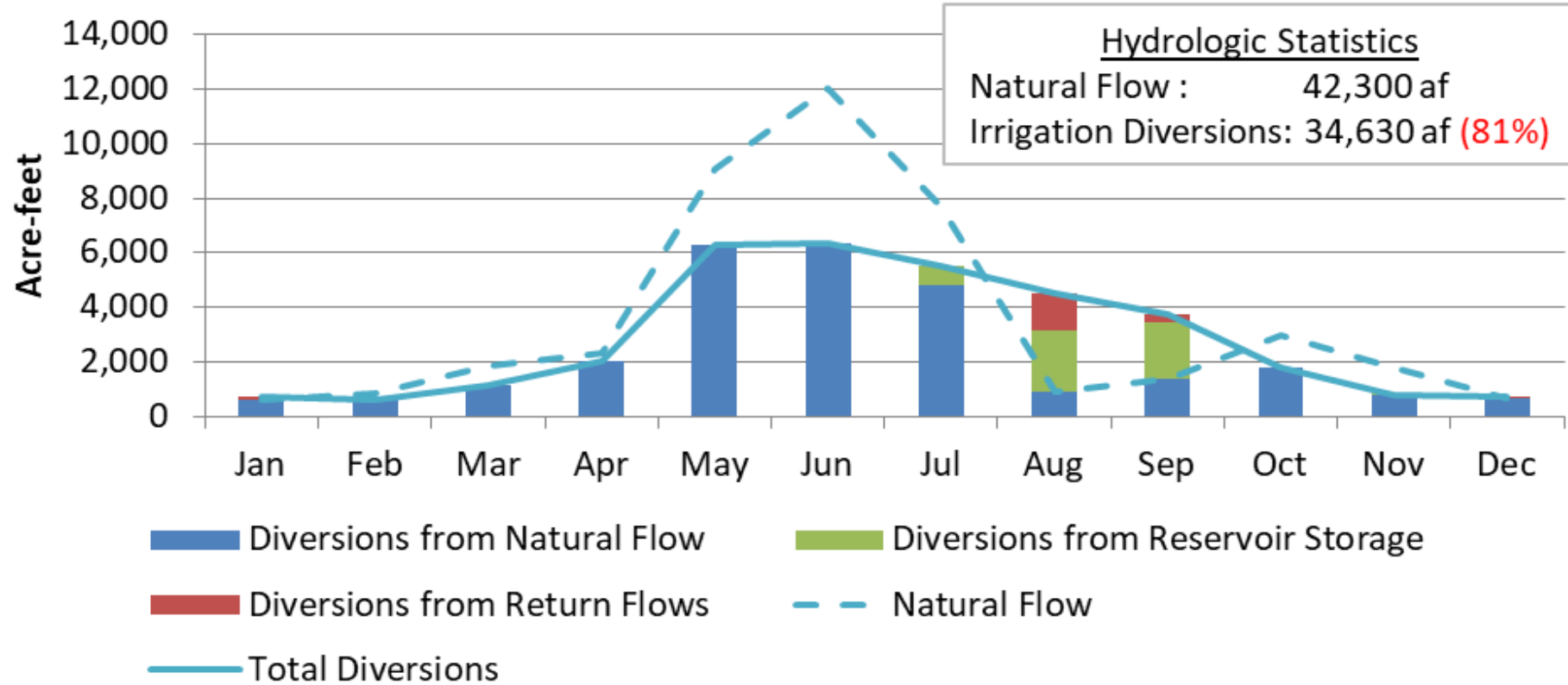
Mancos Basin Average Monthly CIR vs Natural Flow Comparison



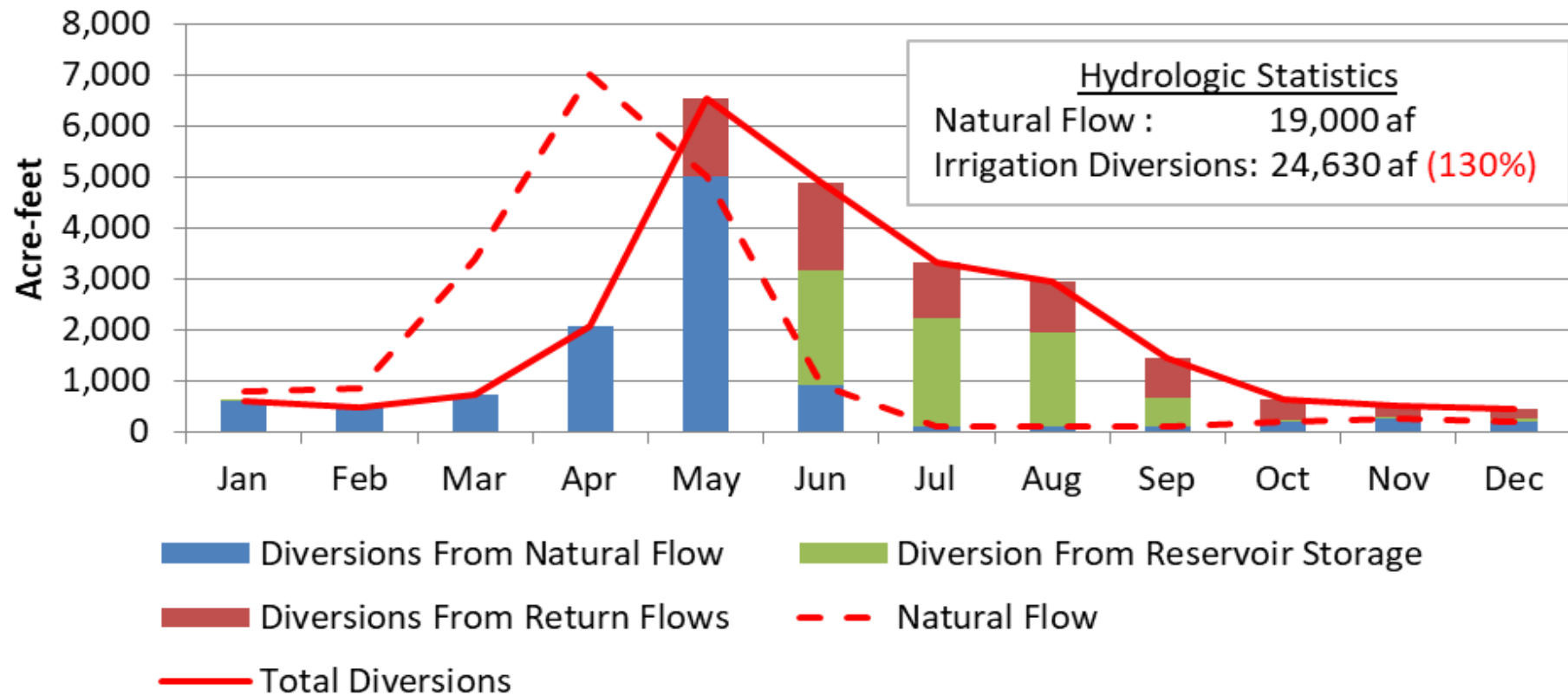
Mancos Basin Crop Consumptive Use Representative Average Year 2015



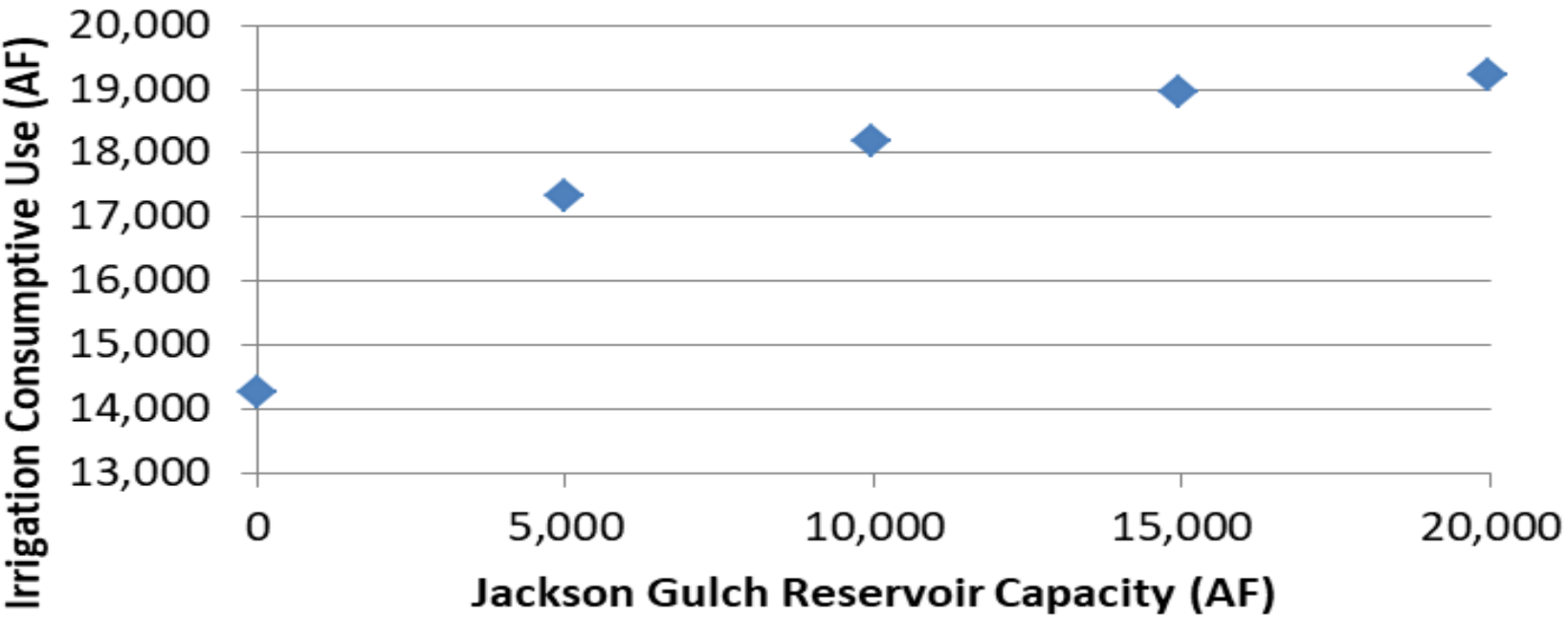
Mancos River near Towaoc Representative Average Year 2015



Mancos River near Towaoc Representative Dry Year 2012



Mancos Consumptive Use *Versus* Jackson Gulch Reservoir Capacity



Any questions?

