

A Conservation Vision for the Colorado River

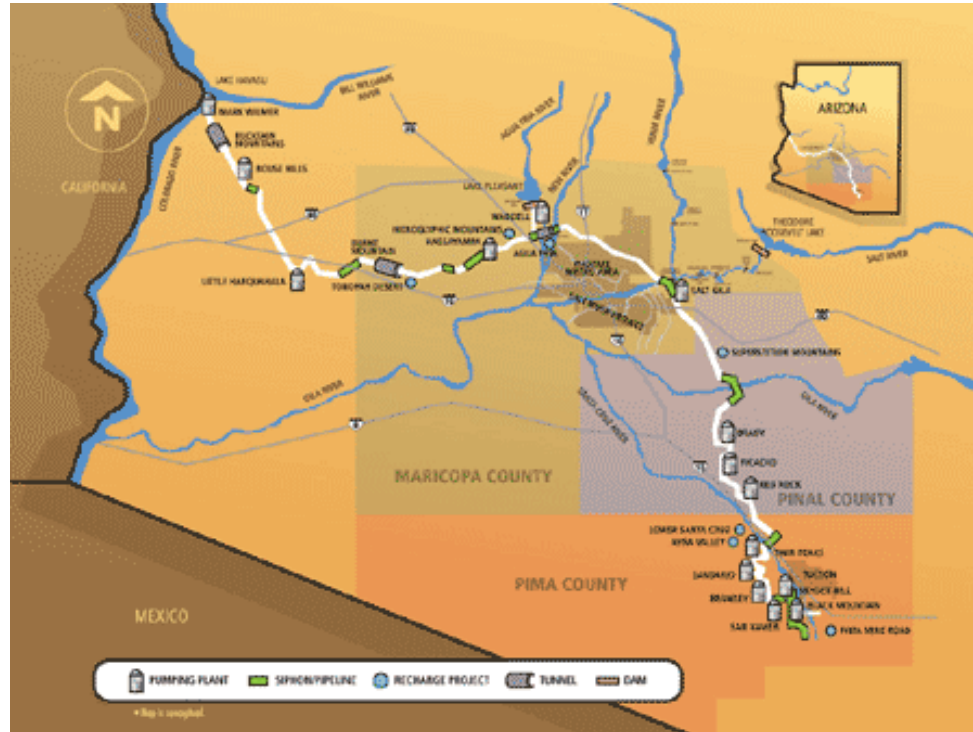


Plumbing

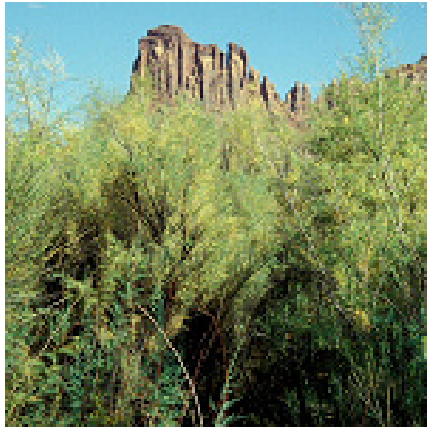


The Colorado River Basin (243,937 mi² / 631,960 km²)

Central Arizona Project



Invasive Species



Loss of Native Flora and Fauna



Ongoing Drought

U.S. Drought Monitor Arizona

June 12, 2007

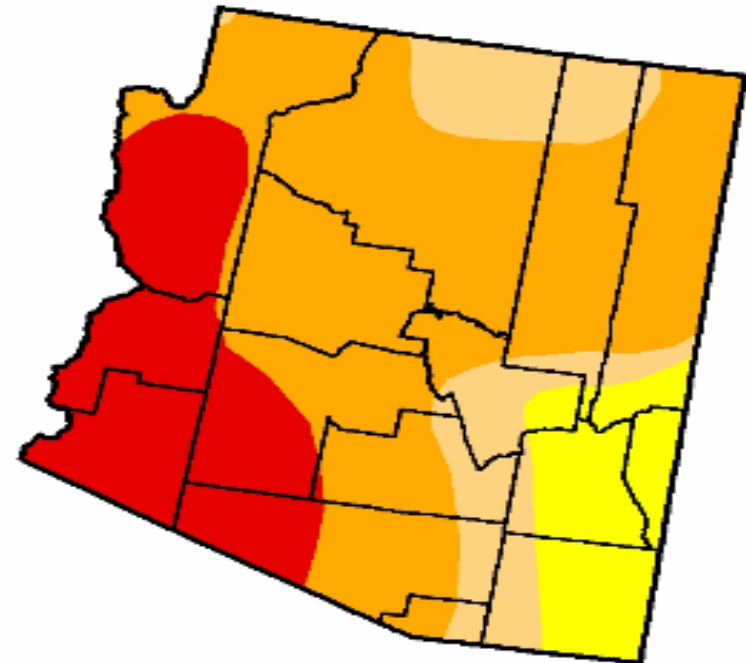
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.0	100.0	89.1	74.2	22.0	0.0
Last Week (06/05/2007 map)	0.0	100.0	89.1	74.2	22.0	0.0
3 Months Ago (03/20/2007 map)	0.0	100.0	90.5	72.2	21.7	0.0
Start of Calendar Year (01/02/2007 map)	1.0	99.0	77.3	22.7	3.0	0.0
Start of Water Year (10/03/2006 map)	5.4	94.6	75.9	28.5	7.3	0.0
One Year Ago (06/13/2006 map)	0.0	100.0	97.2	84.2	51.2	14.5

Intensity:

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



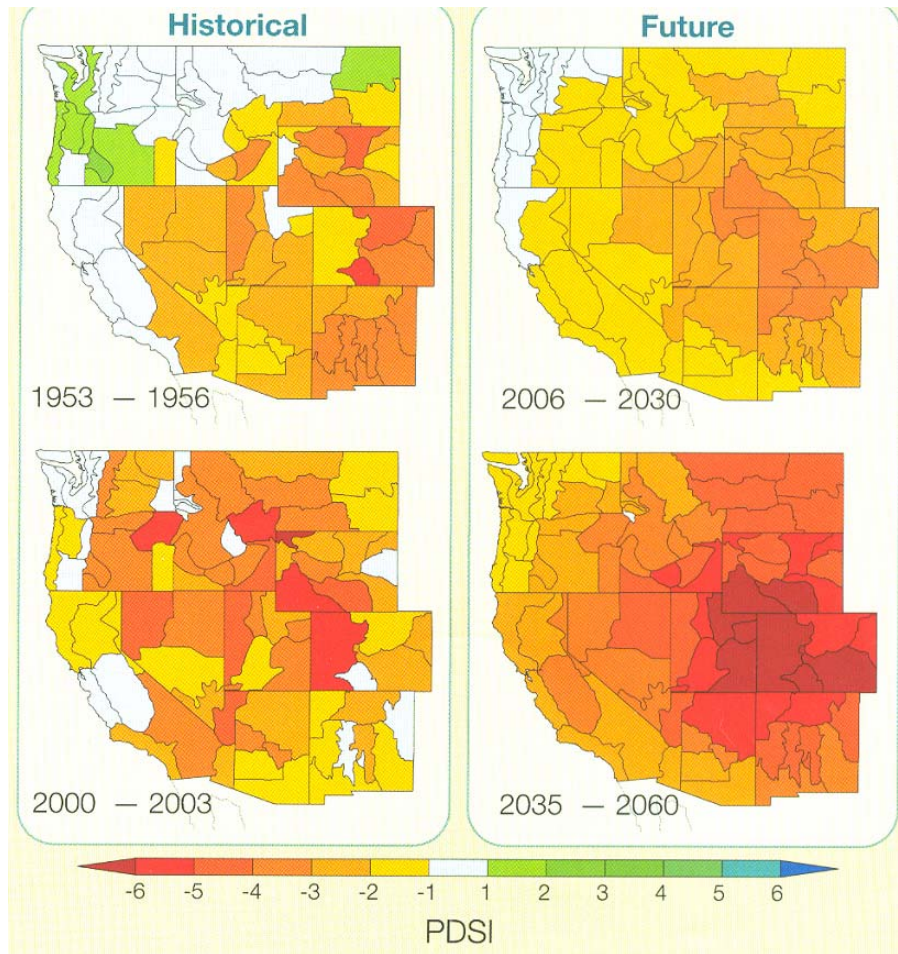
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements

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



Released Thursday, June 14, 2007
Author: Rich Tinker, CPC/NCEP/NWS/NOAA

Climate Change



Climate Change



Inflow to Powell
Reservoir 2000 -
2007:

2000 - 62%

2001 - 59%

2002 - 25%

2003 - 51%

2004 - 49%

2005 - 105%

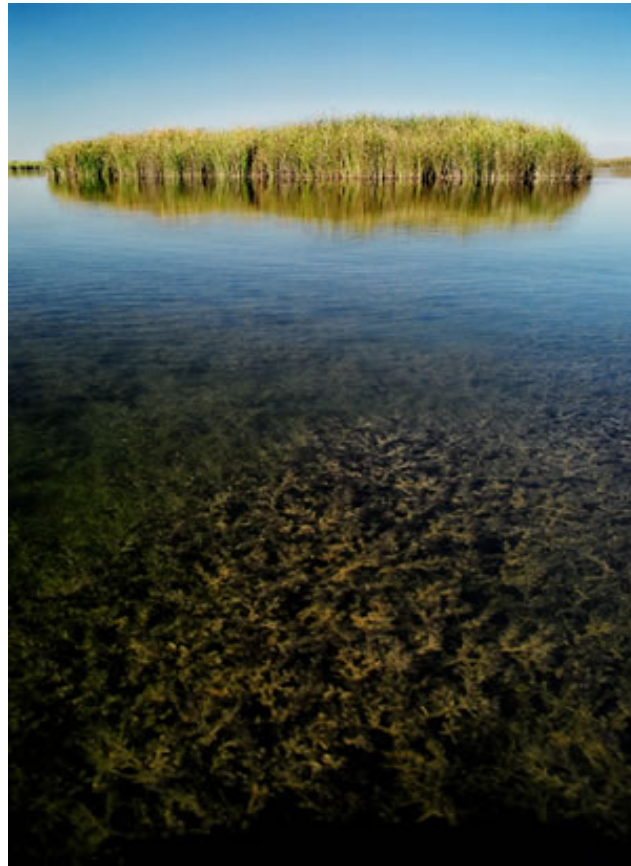
2006 - 73%

2007 - 69%

A Conservation Vision



Flows to the Sea of Cortez



Source <http://www.sonoranjv.org> 2005

Supports Native Species



Supports Native Species



Fewer Impediments



Yellow-billed Cuckoo – Southwest Willow Flycatcher – Razorback Sucker



Sediment to feed the river & beaches



Restored Delta



Source: <http://americas.irc-online.org/am/3959>

A bigger vision, a broader approach

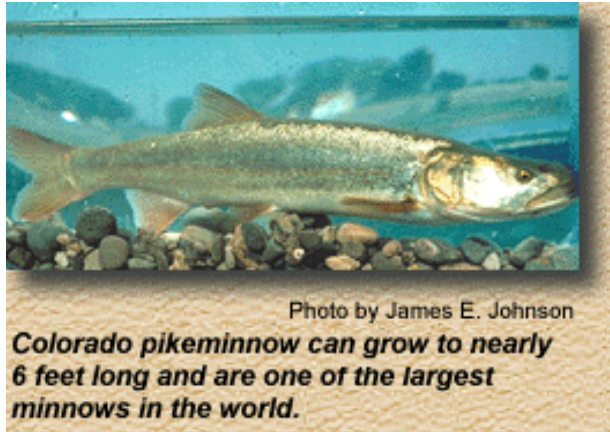


Restore Flows, limit daily fluctuations



Source Bureau of Reclamation

Bigger than a Multi-species Conservation Plan



Live with less water



Eliminate invasives, restore native species



Work to limit and adapt to climate change



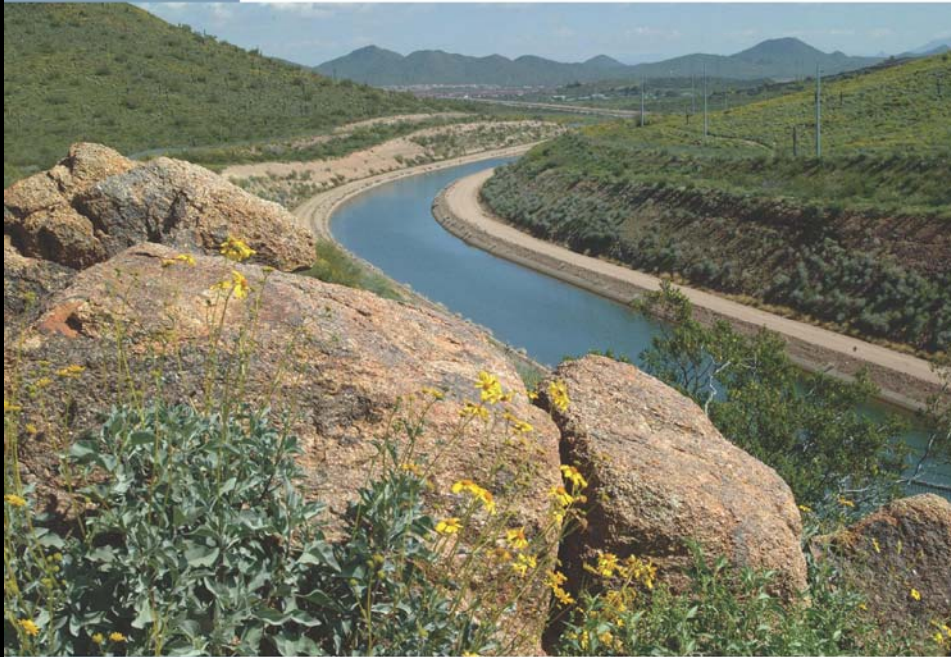
A Conservation Vision -- restoration





THE UNIVERSITY OF ARIZONA.

Water Resources Research Center
College of Agriculture and Life Sciences



The University of Arizona



The Importance of the Colorado River to Arizona's Future

June 24, 2008
Phoenix, Arizona

