Sonoma County Water Agency

- Local Sponsor for Lake Mendocino
- Hold Permit 12947A (37,544 afy)
- Conjunctively Operate Lake Mendocino and Lake Sonoma - Water Right Decision 1610
- Water Wholesaler in southern Sonoma and Marin counties (about 600,000 people)
Decision 1610

Russian River
East Fork to Dry Creek

Normal

Jan, Feb & Mar 150 CFS
April & May 185 CFS

If combines storage in Lake Pillsbury and Lake Mendocino on May 31 is:

<130,000 AF or <80% of water supply storage capacity, whichever is less June thru Dec 75 CFS

130,000-150,000 AF or 80-90% of water supply storage capacity, whichever is less June thru Dec 150 CFS

150,000 AF or >90% of water supply storage capacity
Jun thru Aug 185 CFS
Sept thru Dec 150 CFS

Dry

75 CFS

Critically Dry

25 CFS

If Lake Mendocino <30,000 AF storage Oct thru Dec 75 CFS
Lake Mendocino Storage

- 2004-2005
- 2005-2006
- 2006-2007
- 2007-2008
- 2008-2009

October Through September

March 30, 2009
53,866 acre-feet
Lake Mendocino Projection

2009 Lake Mendocino Storage Projections

- Urgency Change: Petition Flow Changes implemented May 1
- No Action: 185 cfs April 1 - May 31 and 75 cfs June 1 - Nov 15

All scenarios are based on 2007 hydrologic and flow conditions.
Assumes additional 20 percent conservation by all water users between Ukiah and Healdsburg.
Operational Difficulties

Upper Russian River (East Fork to Dry Creek)

- Reactive vs. Proactive
- Widely Variable Demand
  - Weather (vegetation)
  - Municipal
  - Agricultural
- Diversions not Coordinated
- Long River Reaches/Lag Times
- Few Stream Gages
Russian River Flows
USGS Gauge near Hopland

Legend
- Coyote Dam release
- Hopland Flow

April 20
-63 CFS

April 21
-80 CFS

April 22
-49 CFS

April 24
-70 CFS
Operational Difficulties

Travel Times

Lake Mendocino to Hopland: 9 hours (100 to 250 cfs)

Lake Mendocino to Cloverdale: >13 hours (100 to 250 cfs)
Actions Being Taken

- Communicating with Ag Rep and Flood Control District in Mendocino County
- Attempting Proactive Release Changes
- Lots of Public Outreach about Lake Mendocino Storage
Future Actions

- Cooperate with Diverters (need data)
- Need:
  - Storage
  - Recycled Water
Russian River Frost Protection Workshop

Pam Jeane - Sonoma County Water Agency

April 7, 2009