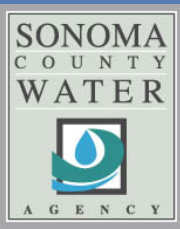


Russian River Frost Protection Workshop

Pam Jeane - Sonoma County Water Agency

April 7, 2009



Background

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

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

Dry

75 CFS

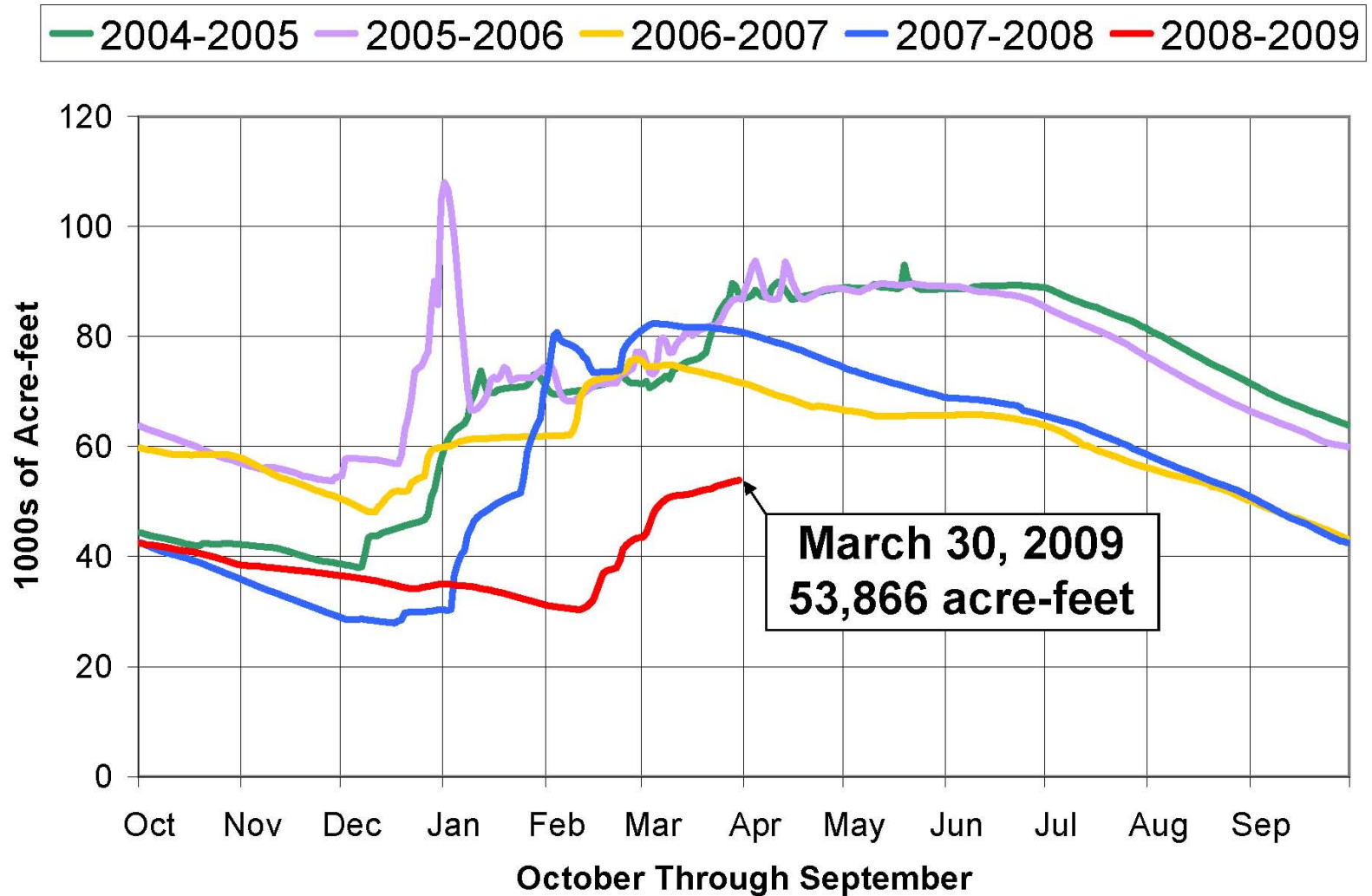
Critically
Dry

25 CFS





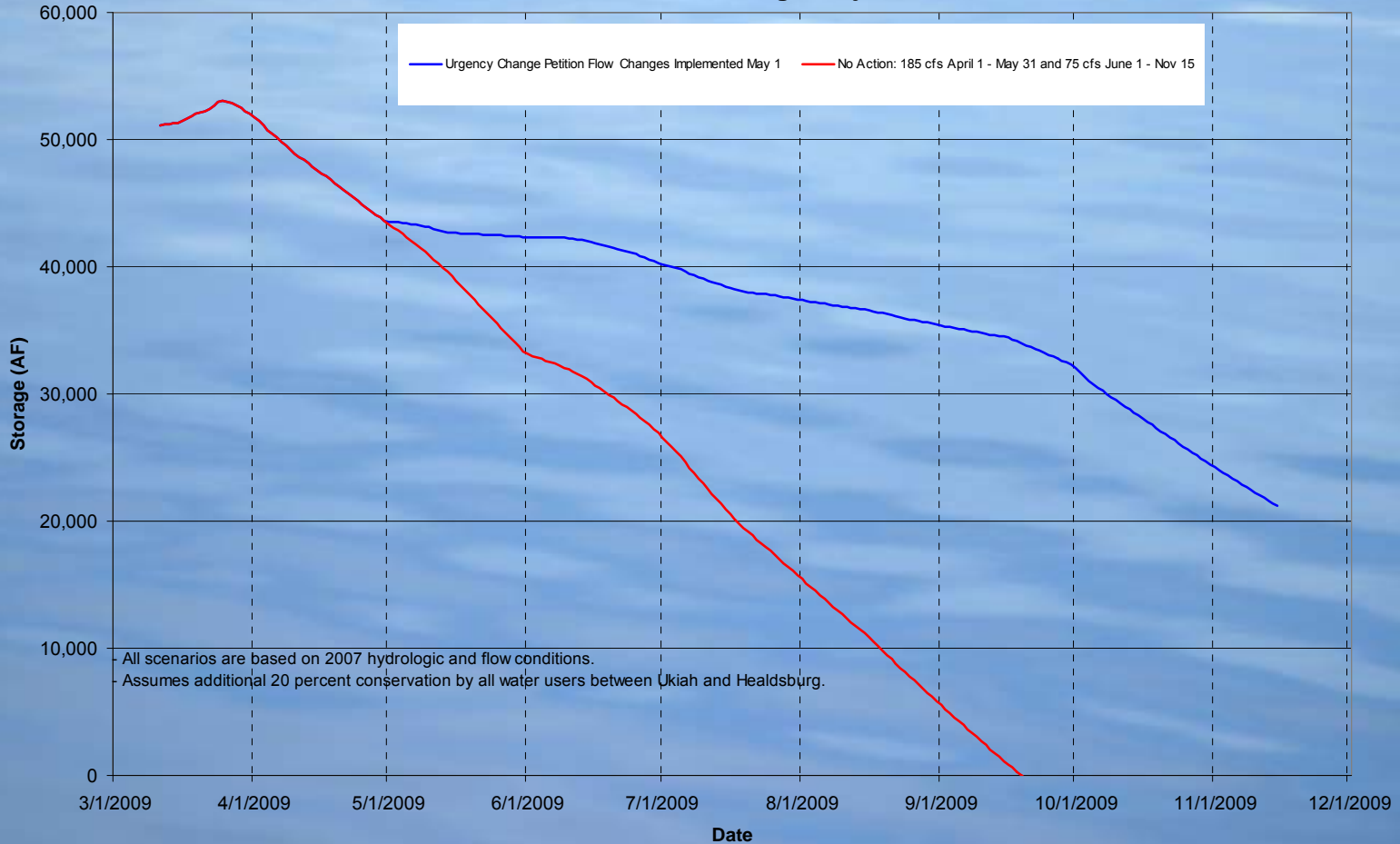
Lake Mendocino Storage





Lake Mendocino Projection

2009 Lake Mendocino Storage Projections



Operational Difficulties

Upper Russian River (East Fork to Dry Creek)

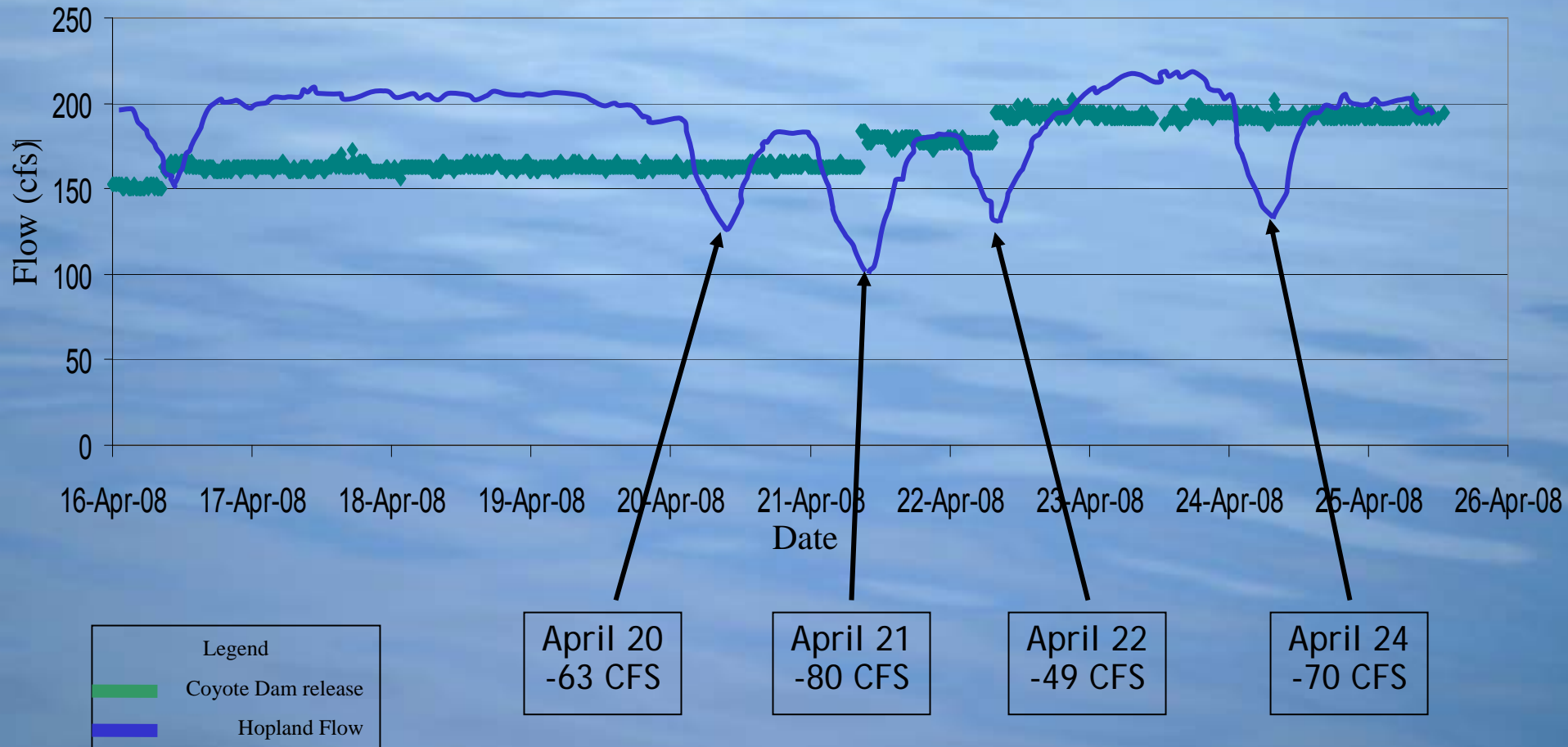
- Reactive vs. Proactive
- Widely Variable Demand
 - Weather (vegetation)
 - Municipal
 - Agricultural
- Diversions not Coordinated
- Long River Reaches/Lag Times
- Few Stream Gages





Russian River Flows

USGS Gauge near Hopland





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



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