

**Westlands Water District
Water Users' Workshop**

Tuesday, June 22, 2010

1:30 p.m.

Westlands' Five Points Shop and Field Office

Program

Welcome

**Introductions, Opening Comments and
Matters of Interest**

Tom Birmingham, General Manager

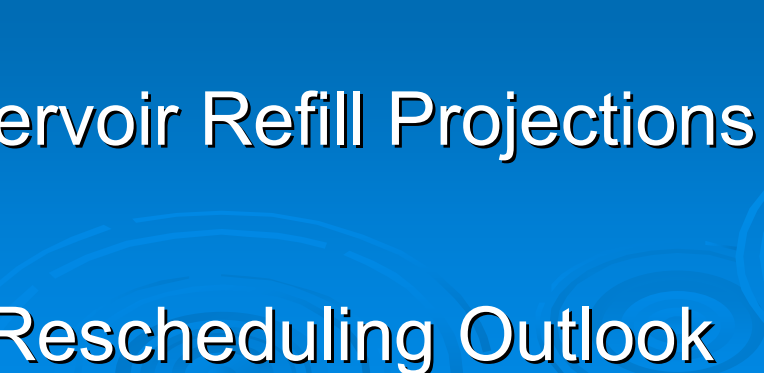
**Water Supply Usage, Groundwater Pumping, San Luis Reservoir
Forecast and Rescheduling Opportunities**

Tom Glover, Deputy General Manager – Resources

Questions & Answers

Tom Birmingham

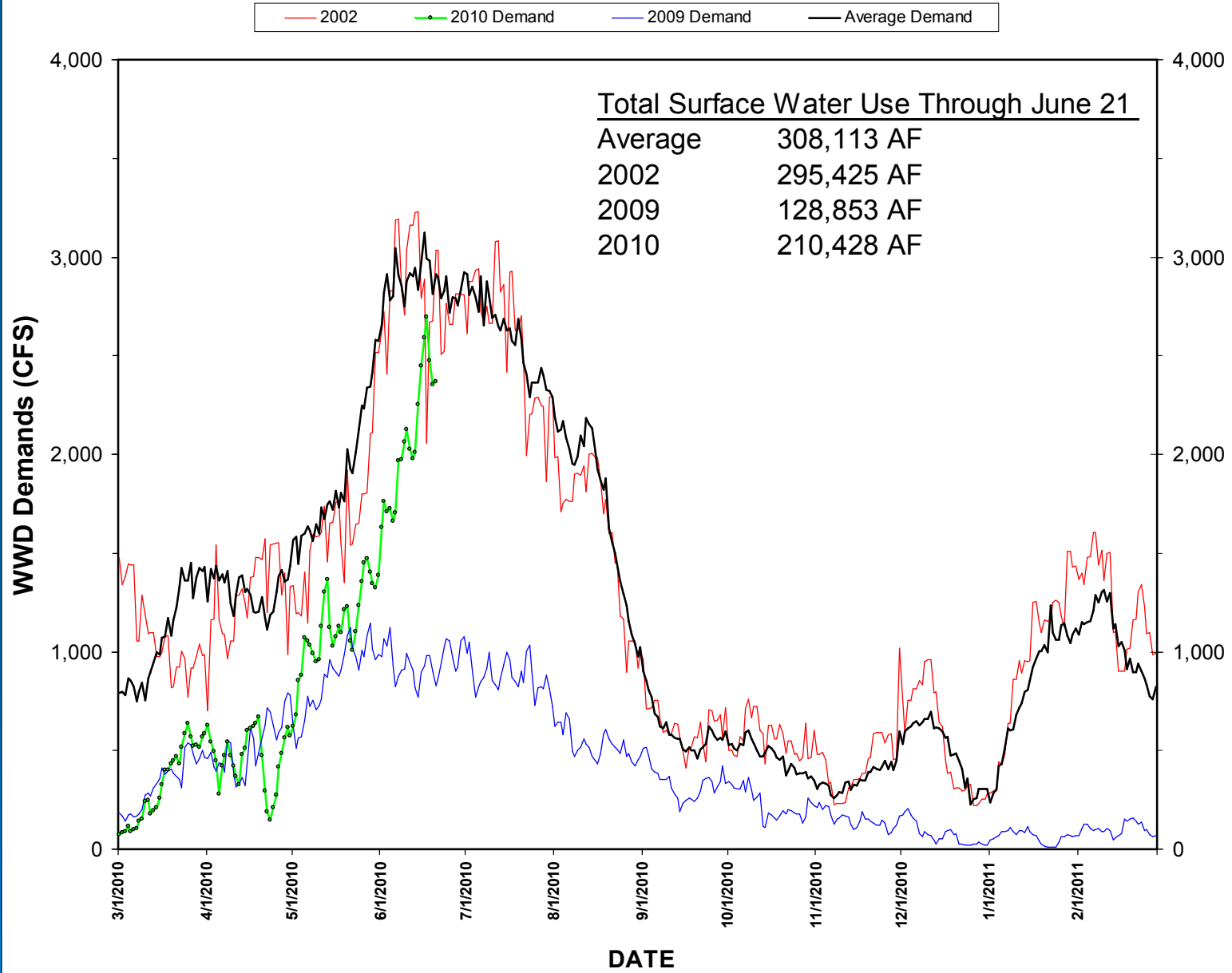
Westlands Water District Water Year 2010-11

- Current Water Supply
 - Current Water Demand
 - Groundwater Use
 - San Luis Reservoir Refill Projections
 - WY 2011-12 Rescheduling Outlook
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AVAILABLE SURFACE WATER SUPPLY	2010-11 Supply (AF)
WATER YEAR ALLOCATION CONTRACT - AG RESCHEDULED CONTRACT 2009 REASSIGNMENT: DD#1 / DD#2 / Widren / Centinella / Broadview Rescheduled 2009 Reassignment CONTRACT - INCIDENTAL NON - AG M & I	45% 519,200 115,000 19,327 3,669 2,300
TOTAL CONTRACT	659,496
TRANSFERS / EXCHANGES IN/(OUT) Rescheduled 2009 CVP Transfer Water Warren Act Storage	137,000 50,047 87,036
TOTAL SUPPLY	933,579

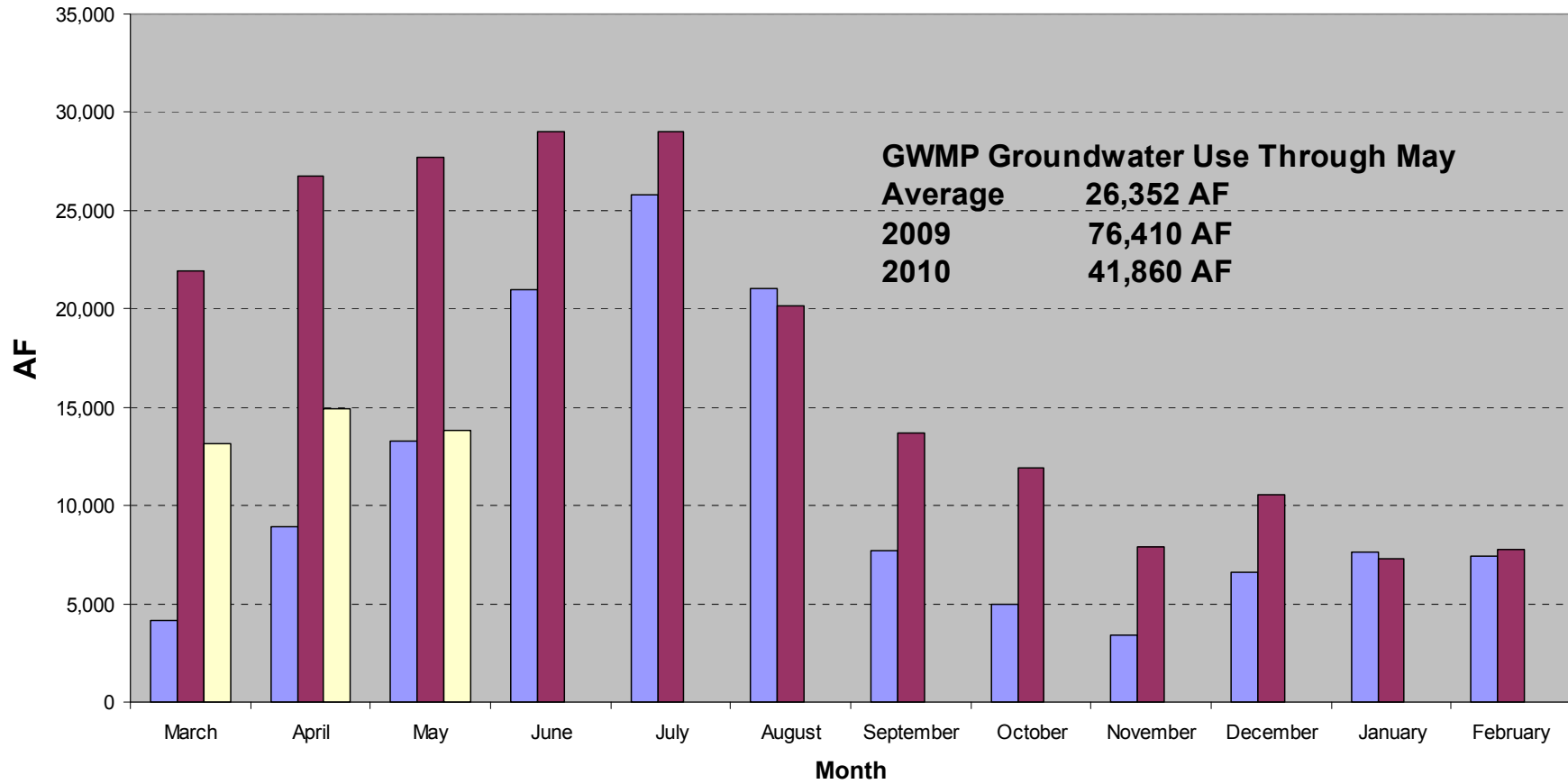
AVAILABLE SURFACE WATER SUPPLY	2010-11 Supply (AF)	2002-03 Supply (AF)
WATER YEAR ALLOCATION CONTRACT - AG RESCHEDULED CONTRACT 2009 REASSIGNMENT: DD#1 / DD#2 / Widren / Centinella / Broadview Rescheduled 2009 Reassignment CONTRACT - INCIDENTAL NON - AG M & I	45% 519,200 115,000 19,327 3,669 2,300	70% 798,841 77,694 6,159
TOTAL CONTRACT	659,496	882,695
TRANSFERS / EXCHANGES IN/(OUT) Rescheduled 2009 CVP Transfer Water Warren Act Storage	137,000 50,047 87,036	142,815
TOTAL SUPPLY	933,579	1,025,510

2010 District Demands - Average Demand - 2002 70% Year Demand

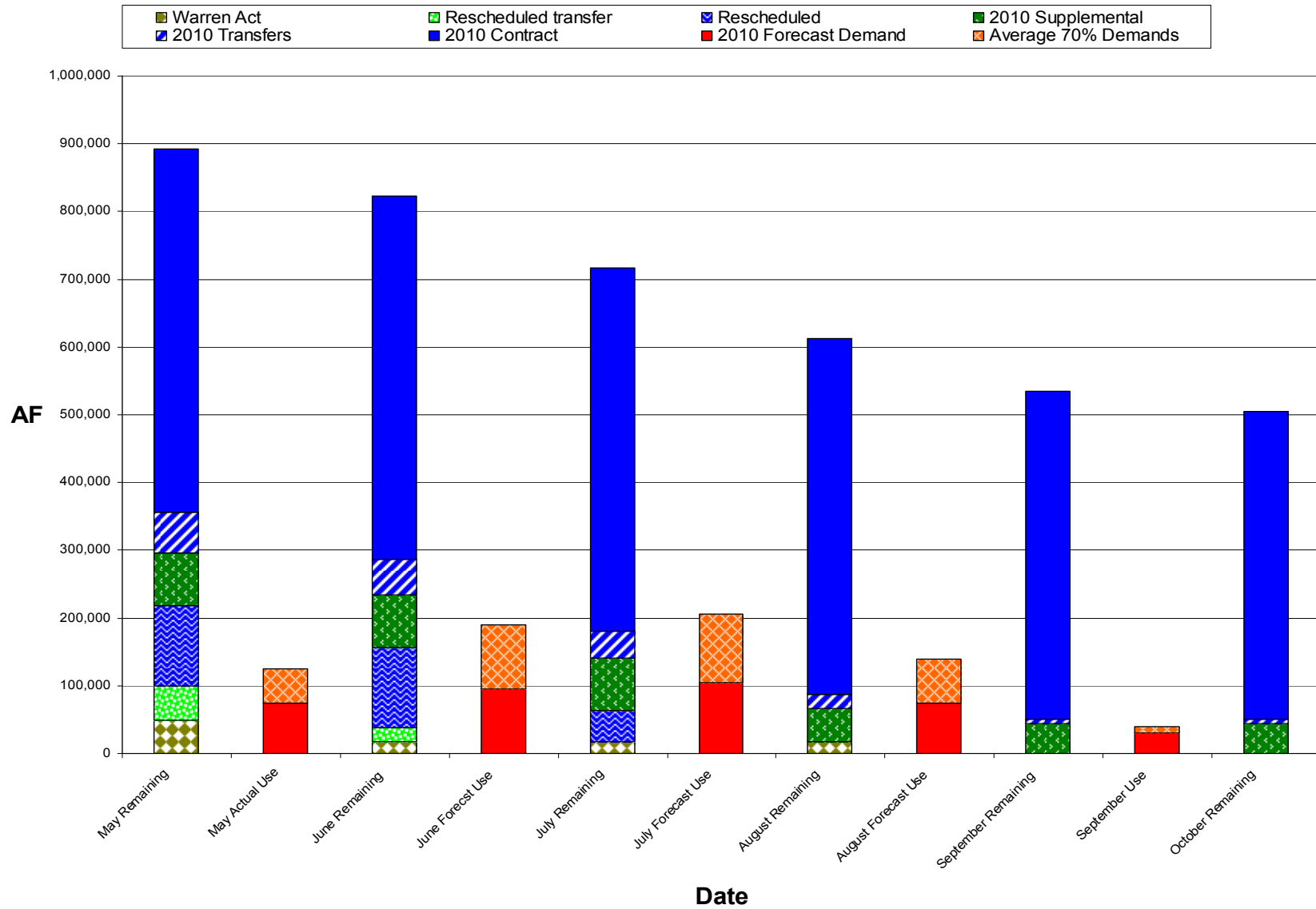


GWMP Groundwater Use

Legend: Average (light blue), 2009 (maroon), 2010 (yellow)



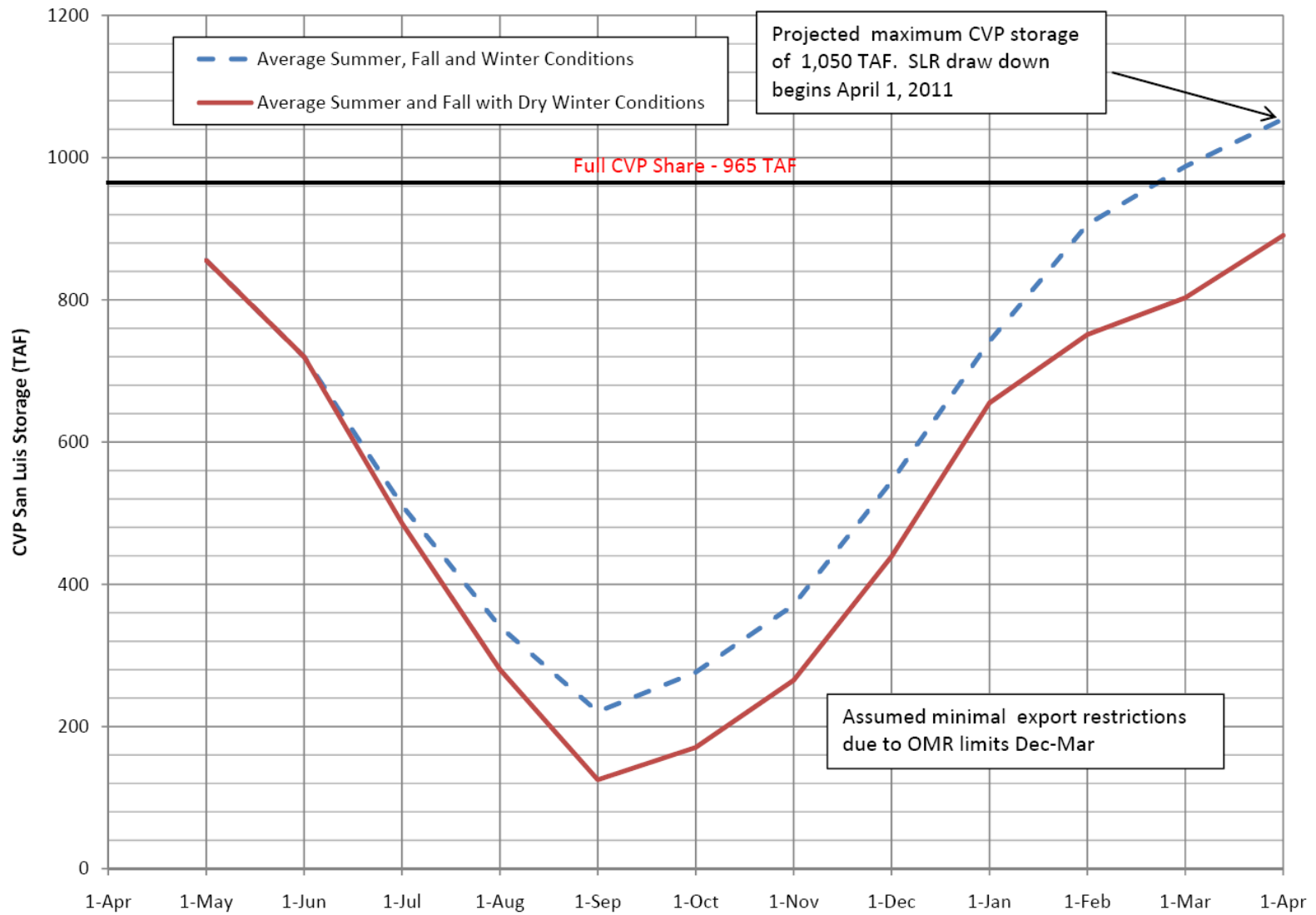
2010-11 Forecast Surface Water Use Table 45% Allocation



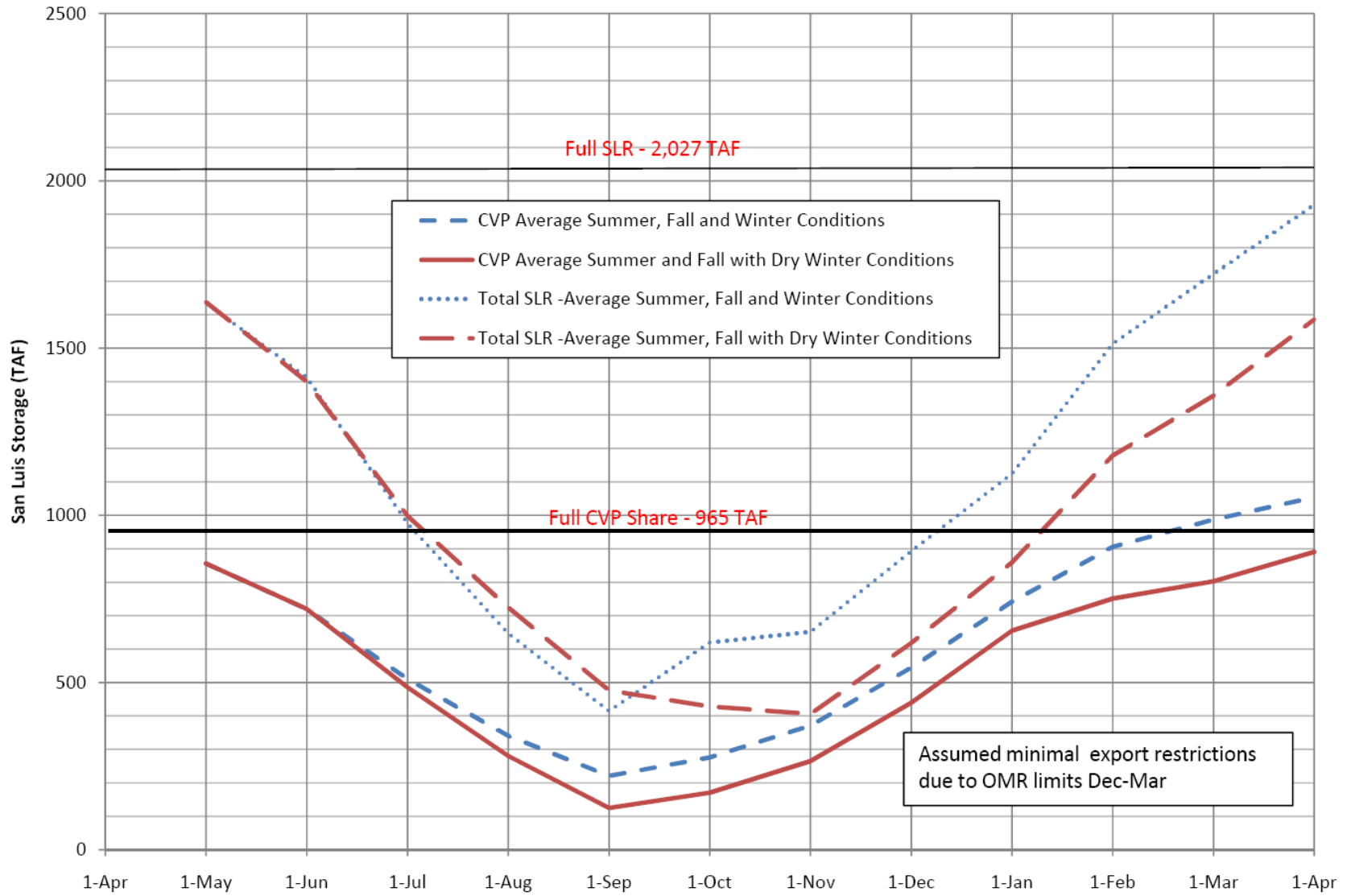
2010-11 Water Supply Outlook

- 255,000 AF of Rescheduled Water
- 45% CVP Allocation
- Water Supply Comparable to 65 to 70% Allocation
- Over 930,000 Af of Surface Water
- SLR Storage may not drop below 400 TAF
- CVP Storage in SLR not below 120 TAF
- No Low Point or Drawdown Issues at SLR
- Minimize Groundwater Pumping

2010-11 CVP San Luis Refill Projections



2010-11 CVP San Luis Refill Projections



2009 Guideline for Rescheduling of CVP Water

- In the Event Federal Share of SLR Fills:
 - Total rescheduled water shall be reduced by an amount equal to the quantity of water USBR is unable to pump.
 - A quantification of reduction shall not be made until occurrence of a sustained 3-day drawdown.
 - Following 3-days the remaining quantity of rescheduled water shall be reduced by an amount equal to foregone CVP pumping.
 - Any necessary reduction shall be progressively and sequentially applied to various categories of water.

2009 Guideline for Rescheduling of CVP Water

- Schedule of priorities:
 - 2010 Project water + Level II Refuge water
 - 2010 Level IV Refuge water
 - 2009 Reschedule Project water
 - Irrigation water
 - M&I water
 - Cross Valley Canal Contractor water
 - 2009 Transferred Project water
 - 2009 Level IV Refuge water
 - Non-Project water – Warren Act

District Rescheduling Guidelines

Period of use – determined by USBR or end of water year if SLR does not fill.

All water types may be rescheduled.

Acreage Based Cap – 0.5 AF/Ac ; excess is subject to first loss.

Cap Loss – water lost due to USBR imposed Rescheduling Cap; estimated at 0.2 AF/Ac.

District Rescheduling Guidelines

➤ Order of loss

- I. Any remaining Rescheduled Water in excess of Acreage Based Cap.
- II. Water Rescheduled by the District.
- III. Remaining Rescheduled Water.
- IV. Delivered Rescheduled Water in excess of Acreage Based Cap.
- V. Delivered Rescheduled Water within Acreage Based Cap.

Rescheduling Scenarios

- Grower A – Reschedules 0.7 AF/ AC
 - Farms 1,000 acres – Carryover 700 AF
- WWD Restricted to 0.5 AF/AC (240,000 AF)
 - Grower A Restricted to 500 AF
 - Grower A “Spills” $700 \text{ AF} - 500 \text{ AF} = 200 \text{ AF}$
- WWD Restricted to 0.2 AF/AC (120,000 AF)
 - Grower A Restricted to 200 AF
 - Grower A “Spills” $700 \text{ AF} - 200 \text{ Af} = 500 \text{ AF}$
- SLR Fills
 - Grower A “Spills” 700 AF

Rescheduling Scenarios for Two Growers

- Grower A – Reschedules 0.7 AF/ AC
 - Farms 1,000 acres – Reschedules 700 AF
- Grower B – Reschedules 0.5 AF/AC
 - Farms 1,000 acres – Reschedules 500 AF
- Total District Rescheduling = 1,200 AF

Order of Loss Based on District Guidelines Scenario 1

- Acreage Based Cap: WWD Restricted to 0.5 AF/AC (1,000 AF); WWD loses 200 AF
 - Grower A Restricted to 500 AF
 - Grower A “Spills” $700 \text{ AF} - 500 \text{ AF} = 200 \text{ AF}$
 - Grower B does not “Spill”

Order of Loss Based on District Guidelines Scenario 2

- WWD loses half the rescheduled water (600 AF)
 - Grower A “Spills” $700 \text{ AF} - 500 \text{ AF} = 200 \text{ AF}$
 - Loss related to being over 0.5 AF/AC Acreage Based Cap
 - Grower A “Spills” $500 \text{ AF} - 300 \text{ AF} = 200 \text{ AF}$
 - Total loss for Grower A = 400 AF
 - Grower B “Spills” $500 \text{ AF} - 300 \text{ AF} = 200 \text{ AF}$

Order of Loss Based on District Guidelines Scenario 3

- USBR Establishes Cap = 0.2 AF/AC; District loses 800 AF
 - Grower A “Spills” $700 \text{ AF} - 500 \text{ AF} = 200 \text{ AF}$
 - Loss related to being over 0.5 AF/AC Acreage Based Cap
 - Grower A “Spills” $500 \text{ AF} - 200 \text{ AF} = 300 \text{ AF}$
- Total loss for Grower A = 500 AF
- Grower B “Spills” $500 \text{ AF} - 200 \text{ AF} = 300 \text{ AF}$

Order of Loss Based on District Guidelines Scenario 3

- SLR Fills Early and no Rescheduling is available; WWD loses all water
 - Grower A “Spills” 700 AF
 - Grower B “Spills” 500 AF

2011 Rescheduling Outlook

- Dry Fall/Winter – Projected 150,000 AF Carryover (SLDMWA) – SLR at/near Capacity
- Average or Wet Fall/Winter - SLR Projected to Fill – All Carryover Water at Risk
- SWP Share of SLR is Expected to Fill – Limited potential to utilize SWP Space in SLR
- Ability to Move Water into SLR Limited by April/May Export Restrictions

Westlands Water District Water Supply Outlook

➤ Questions

