

PUBLIC WORKSHOP ON DROUGHT ACTIVITIES IN THE BAY-DELTA WATERSHED



CALIFORNIA

Water Boards

STATE WATER RESOURCES CONTROL BOARD

REGIONAL WATER QUALITY CONTROL BOARDS

MAY 20, 2015

Session #1: Drought Related Water Project Operations



2015 Temporary Urgency Change Petition (TUCP) Actions

- TUCP submitted January 23, Order February 3, modified Order March 5
 - Workshop February 18
- TUCP modification request March 24, Order April 6
- TUCP Changes:
 - Delta Cross Channel Gate Closures
 - San Joaquin River Flows
 - Delta Outflows
 - Export Limits
 - Western Delta Salinity

TUCP Requirements for Sacramento River Temperature

- Water Year (WY) 2014 Hindcast Modeling
 - Difficulty predicting temperatures with low storage, temperatures in late summer/fall of 2014 ~4 degrees F higher than modeled
- WY 2015 forecast/Temperature Management Plan
 - Draft April 14/15, updated May 4, final due June 1
 - End of September Shasta storage levels similar to 2014
 - More storage now than 2014 but less of the coldest water
 - Reclamation indicates that Proposed Temperature Management Plan will meet 56 degrees F at Clear Creek

Stanislaus River Operations Plan

- Plan required to provide reasonable protection of fish and wildlife in WY 2015 going into 2016
- Final Plan provided on May 15
 - End of September storage of 147 thousand acre-feet
 - Use of low-level outlet to control temperatures just below Goodwin Dam

Comments on TUCPs

- Comments, objections, petitions for reconsideration
 - 19 Objections/Protests
 - 26 Petitions for Reconsideration
 - 334 Comment letters/emails
 - 10 Other
- Commenters include:
 - Public, elected representatives, water agencies, local agencies, non-governmental organizations

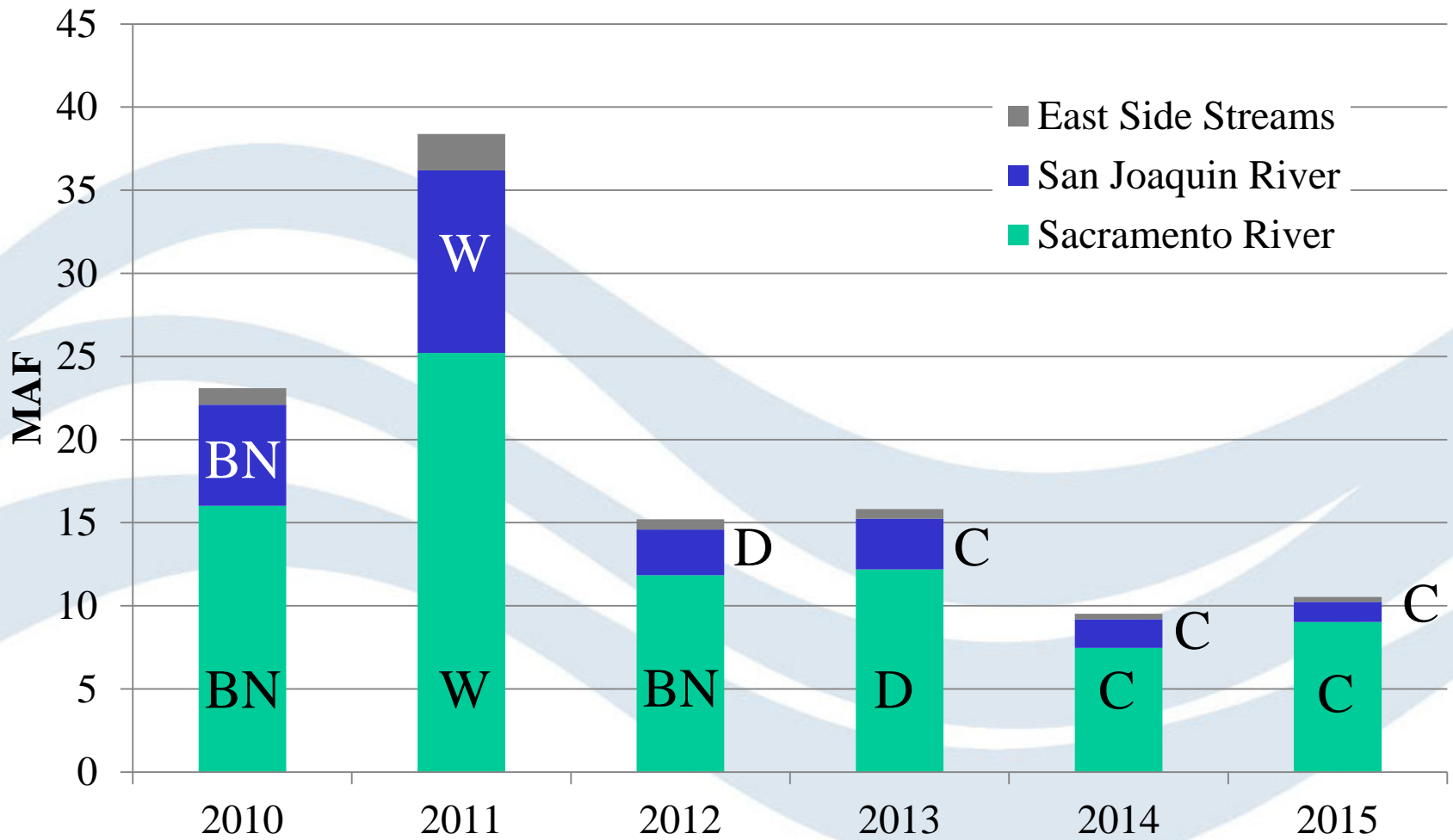
Next Steps

- TUCP renewal request and request for additional changes for July through September expected late this week
- Renewal request will be noticed publicly
- Fisheries agency will provide input
- Order expected by July 1
- Order on reconsideration later this year

2015 Emergency Drought Barrier Project

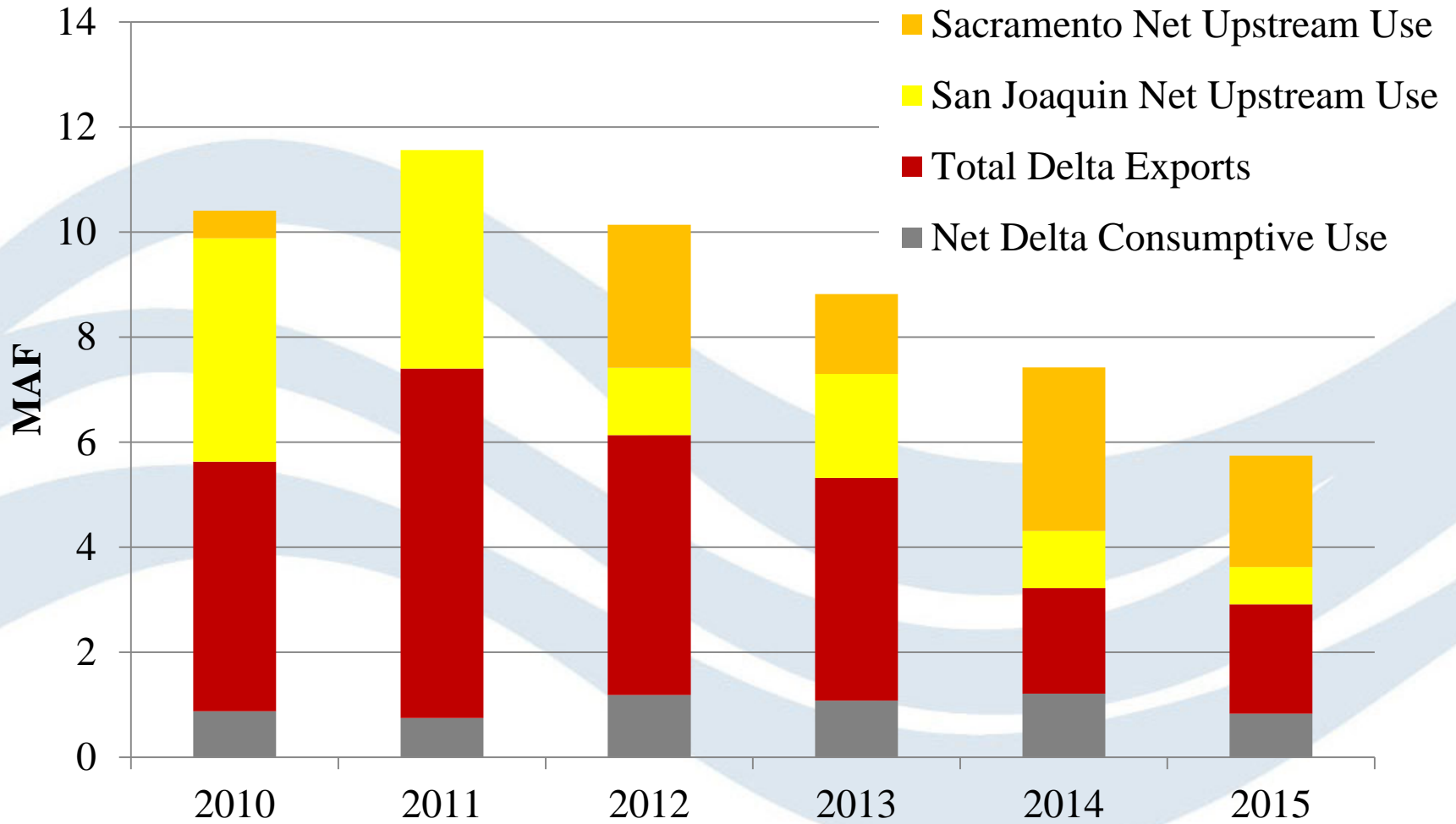
- Rock barrier at West False River
- Control saltwater intrusion into Delta and conserve water in upstream reservoirs for other uses
- Water quality certification issued to Department of Water Resources on May 4, 2015

Total Unimpaired Sacramento & San Joaquin Watershed Runoff



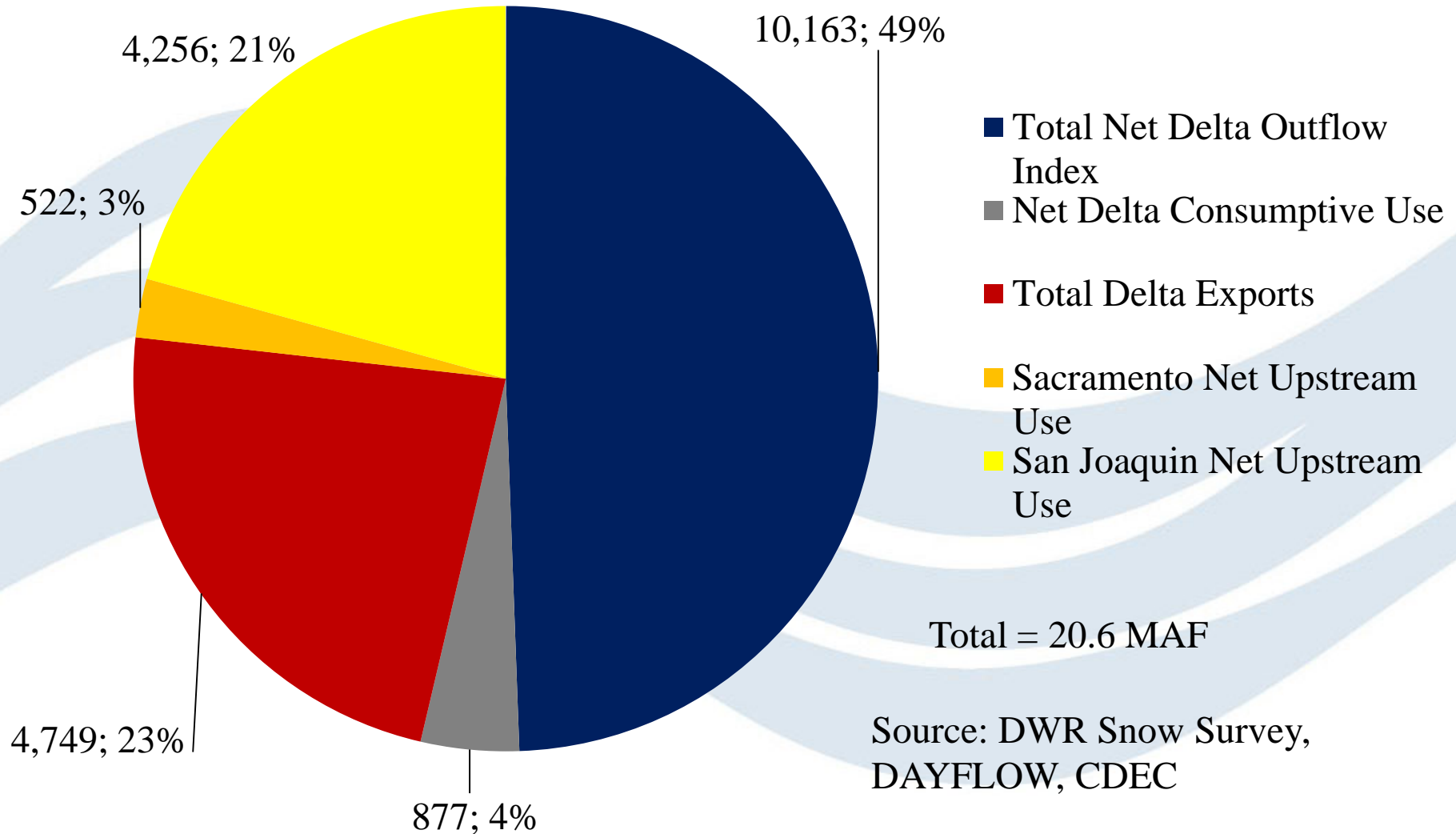
Source: DWR Snow Survey

Sacramento - San Joaquin Net Use & Exports

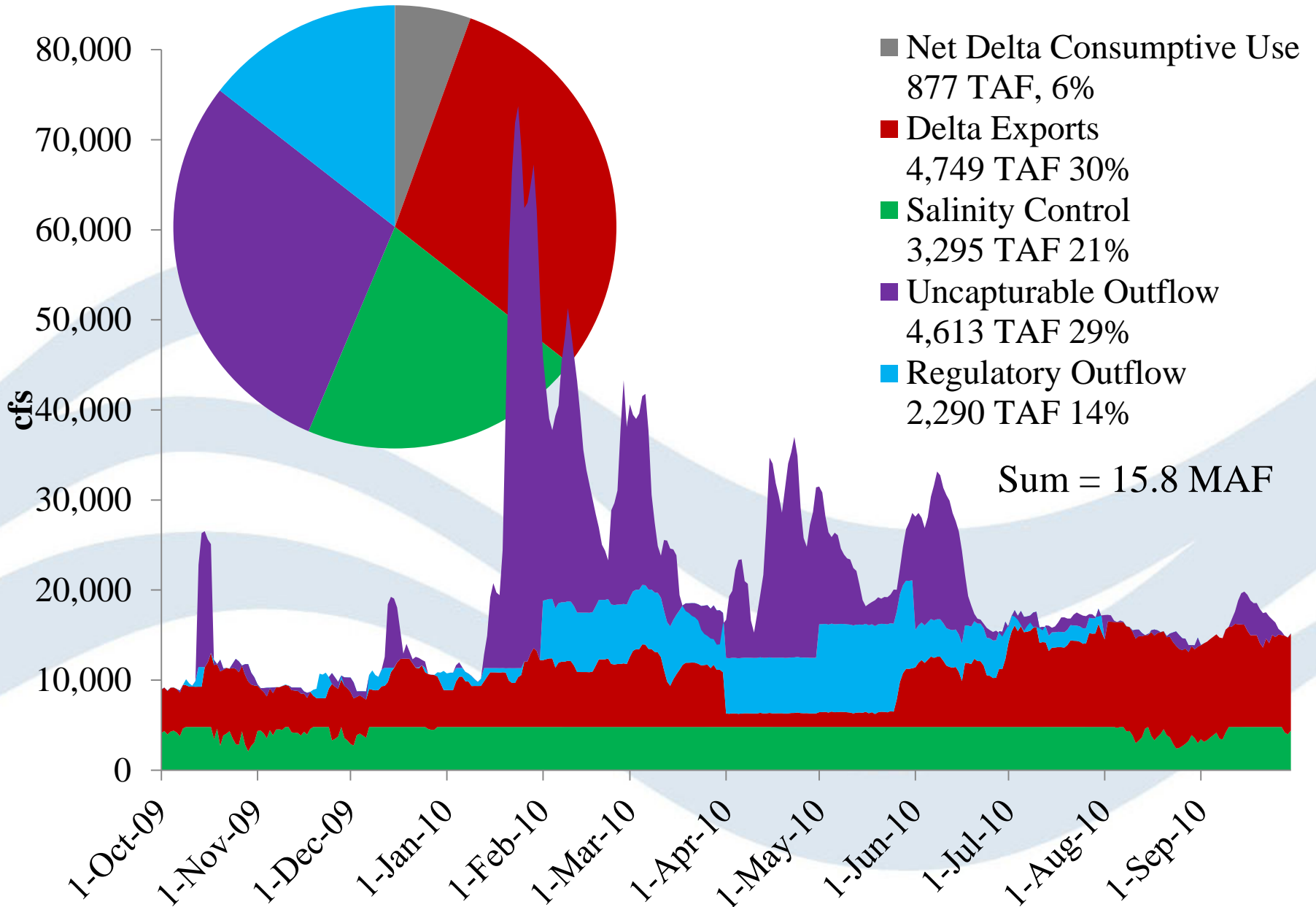


Source: DWR Snow Survey,
DAYFLOW, CDEC

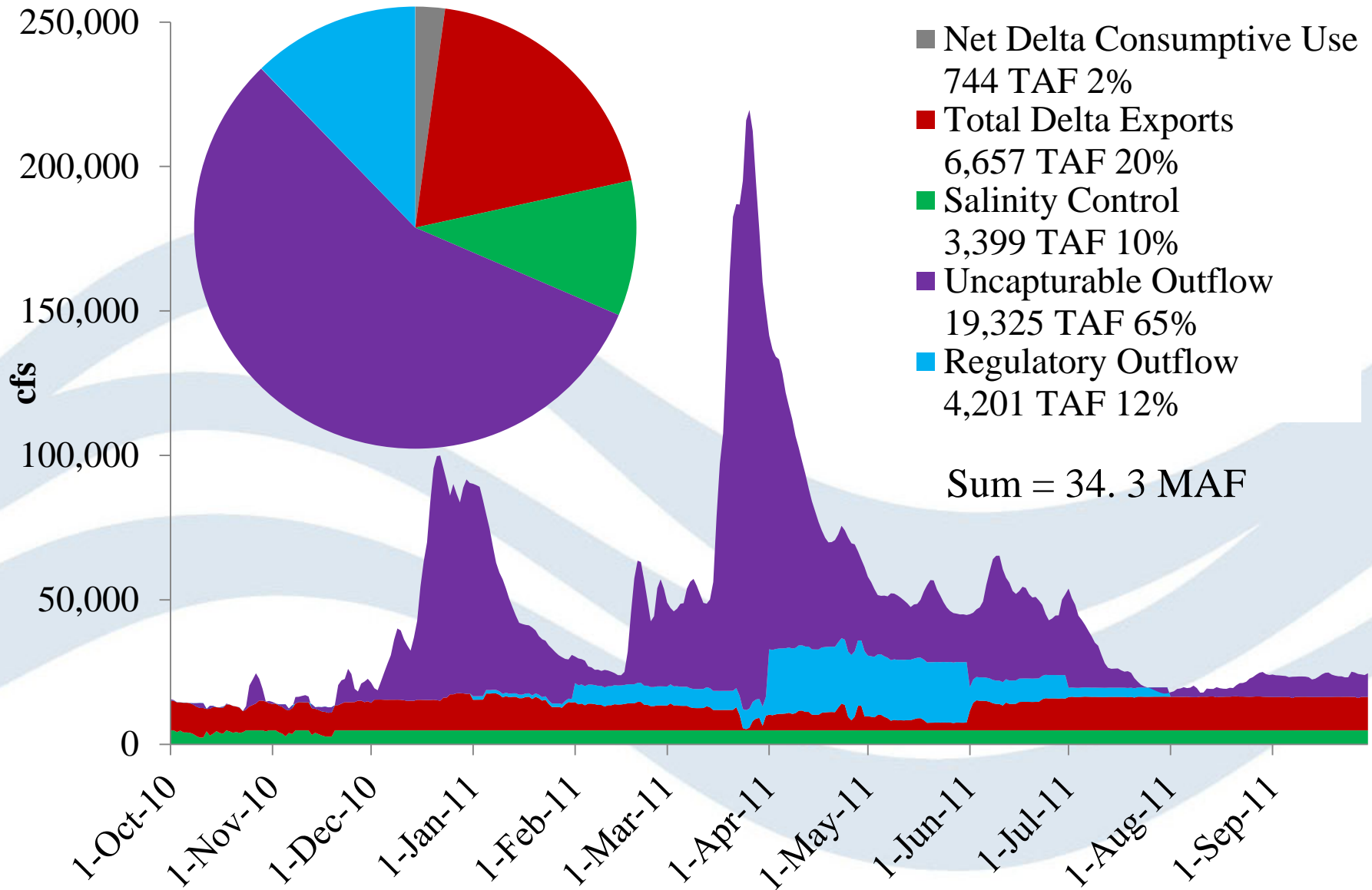
2010 (Average Year) Sacramento-San Joaquin Watershed Budget (TAF)



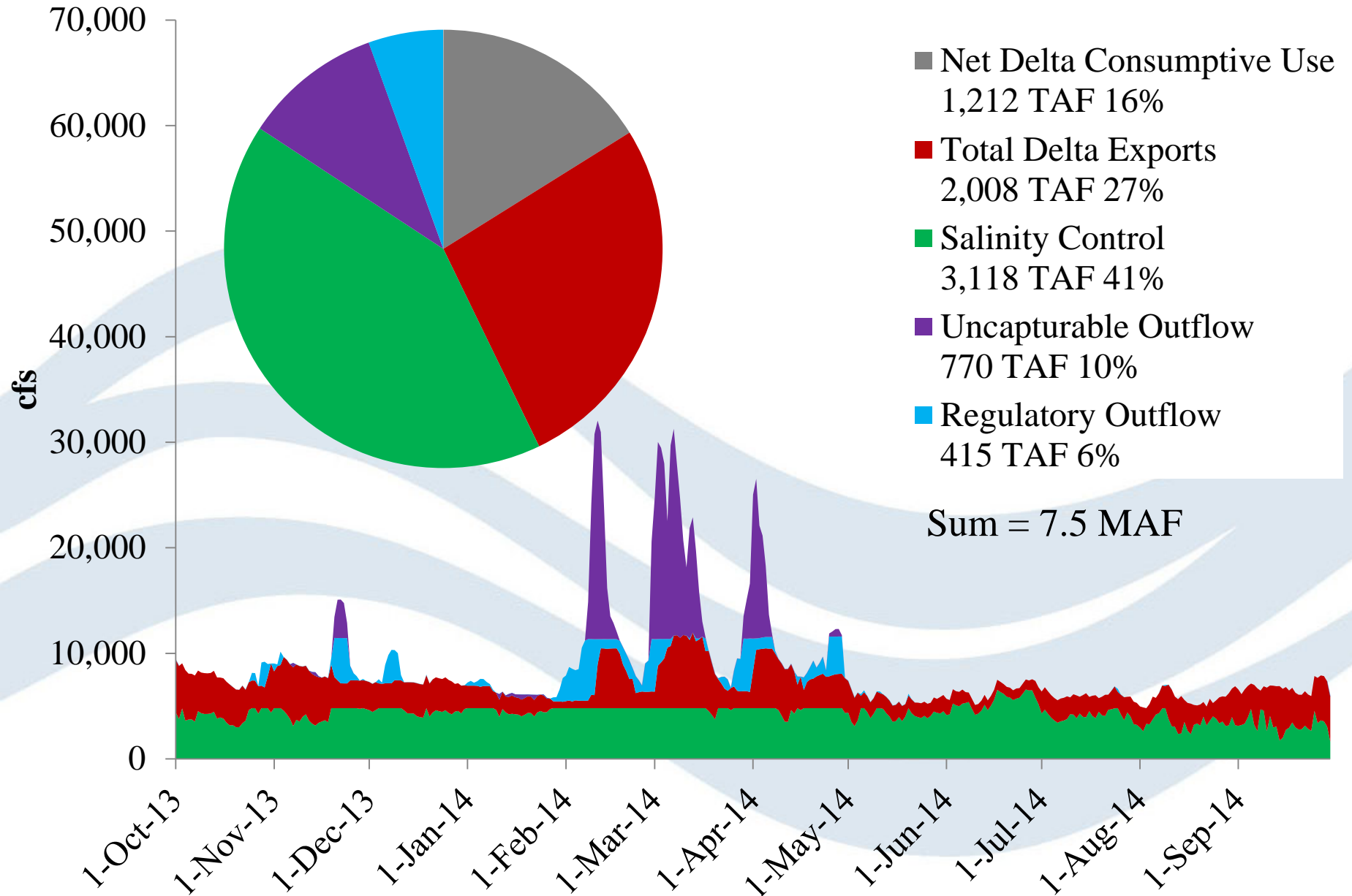
2010 (BN) Delta Outflow, Export, & Salinity Control



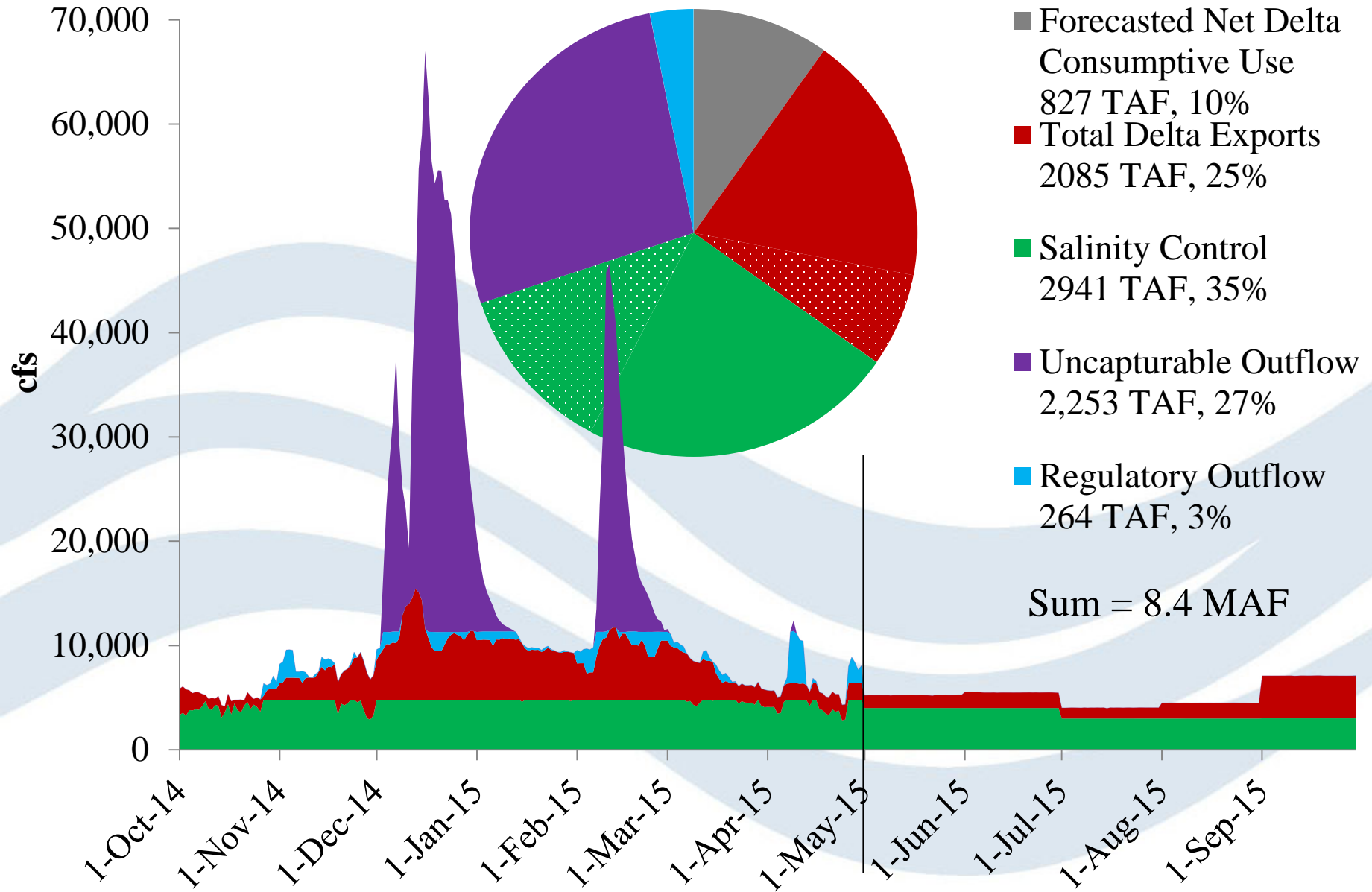
2011 (W) Delta Outflow, Export, & Salinity Control



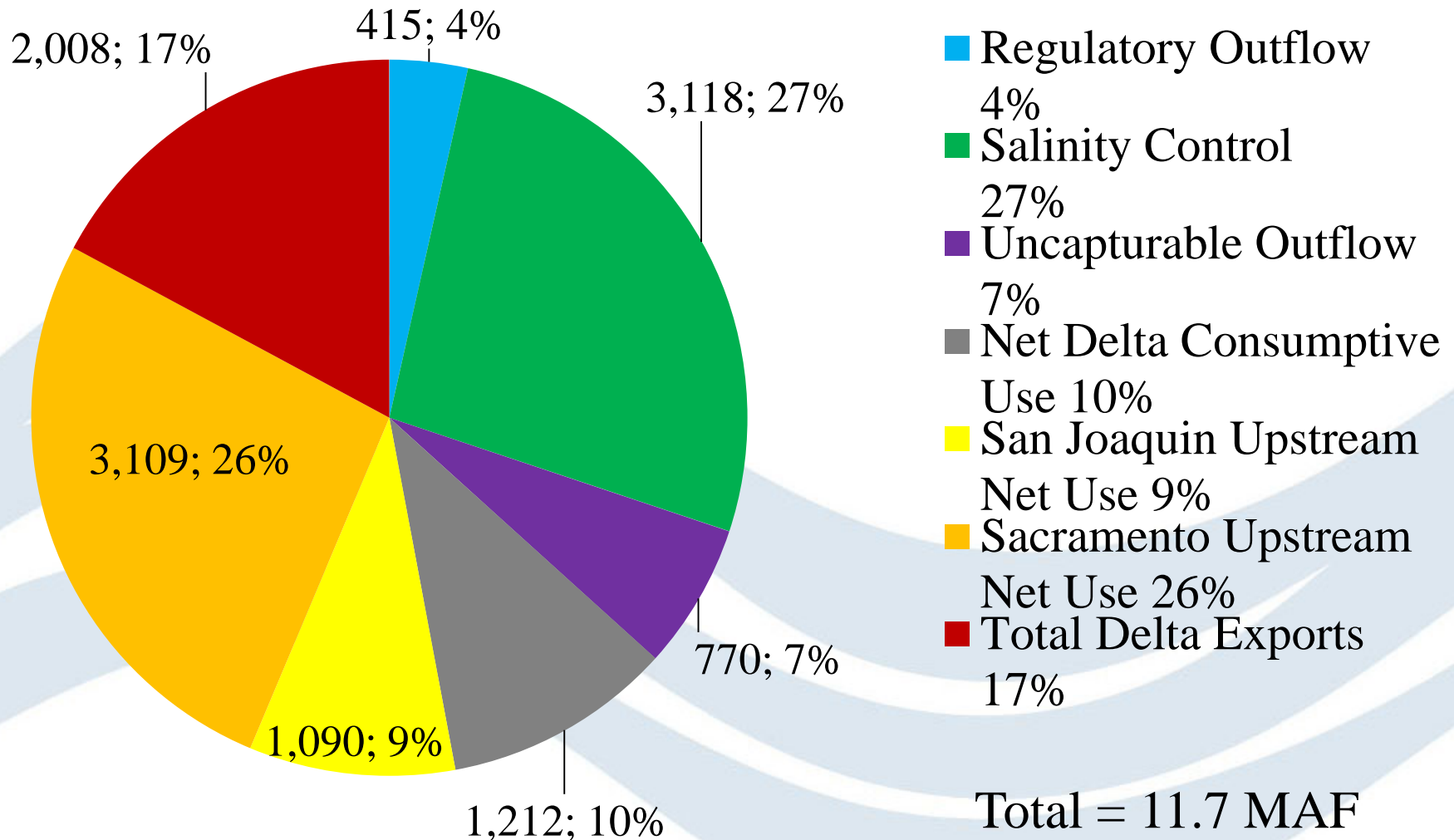
2014 (C) Delta Outflow, Export, & Salinity Control



2015 (C) Delta Outflow, Export, & Salinity Control



2014 Sacramento-San Joaquin Watershed Use (TAF)

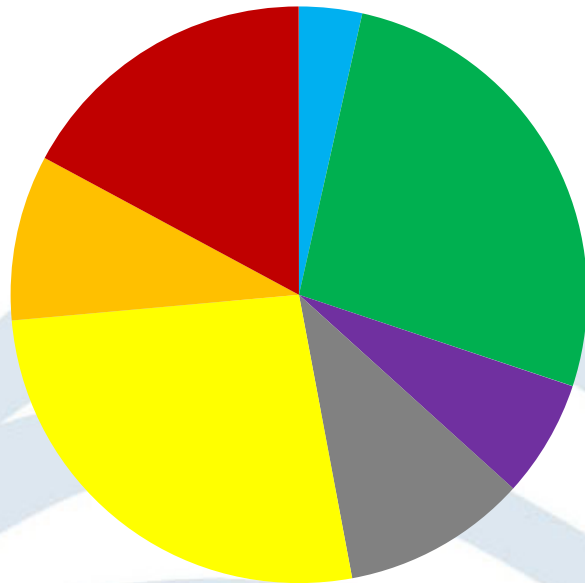


Source: DWR Snow Survey, DAYFLOW, CDEC

2014 Sacramento-San Joaquin Watershed Use (TAF)

2014 With TUCP

2014 Without TUCP

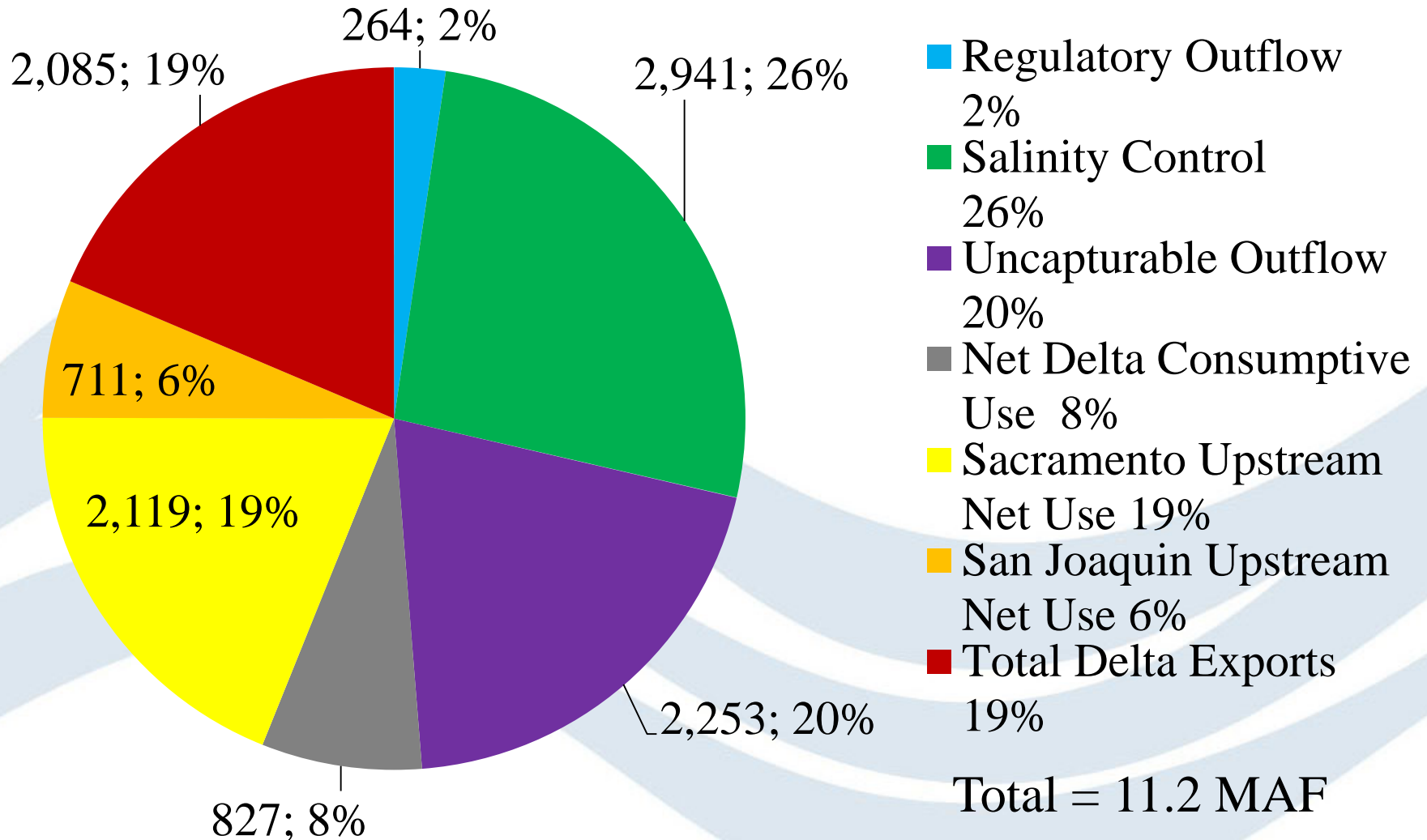


- Regulatory Outflow 4%
- Salinity Control 27%
- Uncapturable Outflow 7%
- Net Delta Consumptive Use 10%
- Sacramento Upstream Net Use 26%
- San Joaquin Upstream Net Use 9%
- Total Delta Exports 17%

- Regulatory Outflow 7%
- Total Delta Exports 14%

**TUCP Water Savings:
400,000 acre-feet**

2015 Sacramento-San Joaquin Watershed Use (TAF)



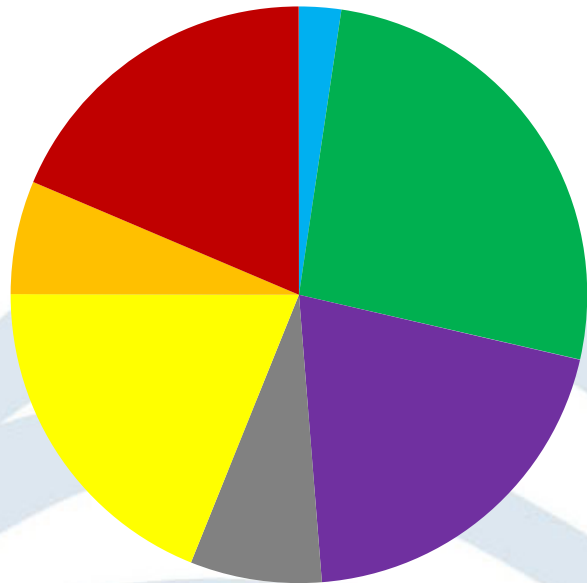
Total = 11.2 MAF

Source: DWR Snow Survey, DAYFLOW, CDEC

2015 Sacramento-San Joaquin Watershed Use (TAF)

2015 With TUCP

2015 Without TUCP



- Regulatory Outflow 2%
- Salinity Control 26%
- Uncapturable Outflow 20%
- Net Delta Consumptive Use 8%
- Sacramento Upstream Net Use 19%
- San Joaquin Upstream Net Use 6%
- Total Delta Exports 19%

- Regulatory Outflow 9%
- Total Delta Exports 13%

**TUCP Water Savings:
683,000 acre-feet**

Additional Information

- State Water Board Drought Webpage:
http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/index.shtml
 - Covers State Water Board Drought Year Water Actions

Future Updates

- To receive future updates sign up to receive emails online at:

http://www.waterboards.ca.gov/resources/email_subscriptions/

- Select “State Water Resources Control Board”
- Enter email address and full name
- Under Categories, select “Water Rights”
- Select box for “Drought Updates”
- Click “Subscribe” button at top

Questions or Comments