

County of Monterey

*Cayenne Room
1441 Schilling Place 1st Floor
Salinas, CA 93901*



Meeting Agenda

Thursday, April 4, 2024

2:30 PM

SPECIAL MEETING: Following location for SLO County Chair to
host the public

and participate via Zoom: County Government Center, Rm. D361
1055 Monterey Street San Luis Obispo, Ca. 93408

Water Resources Agency Reservoir Operations

Advisory Committee

*John Baillie, Chair
Ken Ekelund
Mark Gonzalez
Matthew Simis
Jon Anthony*

*Bill Lipe
Wes Thomson
Layla Decker
Richard Ortiz
Vacancy (3)*

*Eric Morgan
Marc Kelley
Doug Scattini
Zach Barnes
Steve Blois*

To participate in this Reservoir Operations Advisory Committee meeting through the following methods:

1. You may attend in person,

2. For ZOOM participation please join by computer audio at:

<https://montereycty.zoom.us/j/92085702216>

OR to participate by phone call any of these numbers below:

+1 669 900 6833 US (San Jose)

+1 346 248 7799 US (Houston)

+1 312 626 6799 US (Chicago)

+1 929 205 6099 US (New York)

+1 253 215 8782 US

+1 301 715 8592 US

Enter this Meeting ID number: 920 8570 2216 PASSWORD 877574 when prompted. Please note there is no Participant Code, you will just hit # again after the recording prompts you.

You will be placed in the meeting as an attendee; when you are ready to make a public comment, if joined by computer audio, please Raise your Hand; and by phone, please push *9 on your keypad.

PLEASE NOTE: IF ALL COMMITTEE MEMBERS ARE PRESENT IN PERSON, PUBLIC PARTICIPATION BY ZOOM IS FOR CONVENIENCE ONLY AND IS NOT REQUIRED BY LAW. IF THE ZOOM FEED IS LOST FOR ANY REASON, THE RESERVOIR OPERATIONS ADVISORY COMMITTEE MEETING MAY BE PAUSED WHILE A FIX IS ATTEMPTED BUT THE MEETING MAY CONTINUE AT THE DISCRETION OF THE CHAIRPERSON.

3. If you wish to comment on a specific agenda item while the matter is being heard, you may participate by the following means:

When the Chair calls for public comment on an agenda item, the Zoom Meeting Host, or his or her designee, will first ascertain who wants to comment (among those who are in the meeting electronically or telephonically) and will then call on speakers and unmute their device one at a time. Public speakers may be broadcast in audio form only.

4. If you wish to comment on a particular agenda item, please submit your comments in writing via email to Monterey County Water Resources Agency at WRAPubliccomment@co.monterey.ca.us by 5:00 p.m. on the Wednesday prior to the Committee meeting. To assist Agency staff in identifying the agenda item to which the comment relates please indicate the Reservoir Operations Advisory Committee meeting date and agenda number in the subject line. Comments received by the 5:00 p.m. Wednesday deadline will be distributed to the Committee and will be placed in the record.

5. If you wish to make either a general public comment for items not on the day's agenda or to comment on a specific agenda item as it is being heard, please submit your comment, limited to 250 words or less, to the Monterey County Water Resources Agency at

WRAPubliccomment@co.monterey.ca.us. In an effort to assist Agency staff in identifying the agenda item relating to your public comment please indicate in the subject line, the meeting body (i.e. Reservoir Operations Advisory Committee) and item number (i.e. Item No. 10). Every effort will be made to read your comment into the record, but some comments may not be read due to time limitations. Comments received after an agenda item will be made part of the record if received prior to the end of the meeting.

6. If speakers or other members of the public have documents they wish to distribute to the Committee for an agenda item, they are encouraged to submit such documents by 5:00 p.m. on Wednesday before the meeting to: WRAPubliccomment@co.monterey.ca.us. To assist Agency staff in identifying the agenda item to which the comment relates, the public is requested to indicate the Reservoir Operations Advisory Committee date and agenda number in the subject line.

7. If members of the public want to present documents/Power Point presentations while speaking, they should submit the document electronically by 5:00 p.m. on Wednesday before the meeting at WRAPubliccomment@co.monterey.ca.us. (If submitted after that deadline, staff will make best efforts, but cannot guarantee, to make it available to present during the Committee meeting.)

8. Individuals with disabilities who desire to request a reasonable accommodation or modification to observe or participate in the meeting may make such request by sending an email to WRAPubliccomment@co.monterey.ca.us. The request should be made no later than noon on the Wednesday prior to the Committee meeting in order to provide time for the Agency to address the request.

9. The Chair and/or Secretary may set reasonable rules as needed to conduct the meeting in an orderly manner.

Para participar en esta reunión del Comité Asesor de la Operación de Embalses a través de los siguientes métodos:

1. Podrá asistir personalmente a la reunión; o,

2. El público puede observar la reunión ZOOM a través de computadora haciendo clic en el siguiente enlace: <https://montereycty.zoom.us/j/92085702216>

O el público puede escuchar a través del teléfono llamando al:

+1 669 900 6833 US (San Jose)

+1 346 248 7799 US (Houston)

+1 312 626 6799 US (Chicago)

+1 929 205 6099 US (New York)

+1 253 215 8782 US

+1 301 715 8592 US

Cuando se le solicite el código de acceso para entrar a la reunión, presione los siguientes

números:920 8570 2216 PASSWORD 877574 Tenga en cuenta que no hay un Código de participante, simplemente presionará # nuevamente después de que la grabación lo solicite. Se le colocará en la reunión como asistente; cuando esté listo para hacer un comentario público si se une al audio de la computadora, levante la mano; y por teléfono presione * 9 en su teclado.

TENGA EN CUENTA: SI TODOS LOS MIEMBROS DEL COMITÉ ESTÁN PRESENTES EN PERSONA, LA PARTICIPACIÓN PÚBLICA DE ZOOM ES SOLO POR CONVENIENCIA Y NO ES REQUERIDA POR LA LEY. SI LA ALIMENTACIÓN DE ZOOM SE PIERDE POR CUALQUIER MOTIVO, LA REUNIÓN DEL COMITÉ ASESOR DE OPERACIONES DEL YACIMIENTO PUEDE PAUSARSE MIENTRAS SE INTENTA UNA SOLUCIÓN, PERO LA REUNIÓN PUEDE CONTINUAR A DISCRECIÓN DEL PRESIDENTE.

3. Los miembros del público que desean comentar en un artículo específico de la agenda, mientras que el artículo se este presentando durante la reunión, pueden participar por cualquiera de los siguientes medios:

Cuando el Presidente del Comité solicite comentarios públicos sobre un artículo de la agenda, el anfitrión de la reunión Zoom o su designado, primero determinará quién quiere testificar (entre los que están en la reunión por vía electrónica o telefónica) y luego llamará a los oradores (speakers) y activará la bocina para el orador, uno a la vez. Todo orador, será transmitido por audio en altavoz solamente.

4. Si un miembro del público desea comentar sobre un artículo de la agenda en particular, se le es sumamente recomendable que envíe sus comentarios por escrito por correo electrónico a la Agencia de Administración de Recursos del Agua (Agencia) a WRAPublicComment@co.monterey.ca.us antes de las 5:00 P. M. el Miércoles antes de la reunión del Comité. Para ayudar al personal de la Agencia a identificar el número del artículo de la agenda con el cual se relaciona el comentario, se solicita al público que indique la fecha de la reunión del Comité y el número del artículo de la agenda en la línea de asunto. Comentarios recibidos en la fecha límite del Miércoles a las 5 P.M, serán distribuidos al Comité y serán colocados en el registro.

5. Los miembros del público que deseen hacer un comentario público general para temas que no están en la agenda del día o que deseen comentar en un artículo específico mientras se escucha la presentación, lo pueden hacer enviando un comentario por correo electrónico, preferiblemente limitado a 250 palabras o menos, a WRAPublicComment@co.monterey.ca.us. Para ayudar al personal de la Agencia a identificar el artículo de la agenda con el cual se relaciona el comentario, se solicita al público que indique el nombre del Comité (por ejemplo: Comité Asesor de la Operación de Embalses) y el número del artículo de la agenda (por ejemplo: Artículo # 10). Se hará todo lo posible para leer el comentario en el registro, pero algunos comentarios pueden no leerse en voz alta debido a limitaciones de tiempo. Los comentarios recibidos después del cierre del período de comentarios públicos sobre un artículo de la agenda serán parte del registro si se reciben antes que termine la reunión del Comité.

6. Si los oradores u otros miembros del público tienen documentos que desean distribuir al Comité para un artículo de la agenda, se les recomienda enviar dichos documentos antes de las 5:00 P.M. el Miércoles antes de la reunión a: WRAPubliccomment@co.monterey.ca.us. Para ayudar al personal de la Agencia a identificar el número del artículo de la agenda con el cual se relaciona el comentario, se solicita al público que indique la fecha de la reunion del Comité y el número de agenda en la línea de asunto.

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9. El Presidente y / o Secretario pueden establecer reglas razonables según sea necesario para llevar a cabo la reunión de manera ordenada.

Call to Order

Roll Call

Public Comment

Committee Member Comments

Committee Appointments

1. Update on Committee Appointments (Staff Presenting; Jason Demers)

Attachments: [LeBarre ROAC Appointments 2024](#)

Consent Calendar

2. Approve the Minutes of the Reservoir Operations Advisory Committee meeting on February 29, 2024.

Attachments: [Draft ResOps Minutes February 29, 2024](#)

Scheduled Items

3. Consider recommending a release schedule for Nacimiento and San Antonio reservoirs for 2024

Attachments: [2024 Draft Release Schedule](#)
[Draft 2024 Release Schedule](#)
[Board Report](#)

Staff Reports

4. Reservoir Storage and Release Update (Staff Presenting; Peter Kwick)

Attachments: [Reservoir Storage & Release Update](#)

5. 2024 Year Type Forecast (Staff Presenting; Peter Kwick)

Attachments: [2024 Year Type Slides](#)

6. Current Operations and Maintenance Activities at the Reservoirs (Staff Presenting; Jason Demers)

Status Reports

- 7.
- Lake Recreation by Concessionaire and Parks Department
 - San Luis Obispo County Activities
 - National Marine Fisheries Service
 - Quagga Mussel Update

Calendar

8. Set next meeting date and discuss future agenda items.

Adjournment



County of Monterey

Item No.1

Board Report

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Legistar File Number: WRARO 24-027

April 04, 2024

Introduced: 3/25/2024

Current Status: Agenda Ready

Version: 1

Matter Type: WRA ResOps Item

Update on Committee Appointments (Staff Presenting; Jason Demers)



MONTEREY COUNTY WATER RESOURCES AGENCY

MEMORANDUM

DATE: March 20, 2024

TO: Reservoir Operations Advisory Committee

FROM: Mayor Mike LeBarre, Chair

SUBJECT: Committee Appointments

The following annual Reservoir Operations Advisory Committee appointments, are effective immediately:

Board of Director Seats:

John Baillie (Chair) Ken Ekelund, Mark Gonzales, Matt Simis

Monterey County Parks Department: Jon Anthony

Lakes Resort Concessionaire: Layla Decker

San Luis Obispo County Public Works Department: Wes Thomson

Nacimiento Regional Water Management Advisory Committee: Steve Blois

Pressure groundwater subarea: Doug Scattini

Forebay groundwater subarea: Eric Morgan

Upper Valley groundwater subarea: Bill Lipe

Public at Large: Marc Kelley

Public at Large: Zach Barnes

Public at Large: Richard Ortiz

Currently the Salinas Valley City and the East Side groundwater subarea seats are vacant and to date no applications have been received.

The above appointments are in effect through calendar year 2024 after which annual committee appointments will be re-opened to applications, in accordance with Section IV, 4.01 and 4.03 of the Monterey County Water Resources Agency Board of Directors Bylaws, as amended 2/20/2024.

DocuSigned by:

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County of Monterey

Item No.2

Board Report

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Legistar File Number: WRARO 24-016

April 04, 2024

Introduced: 3/13/2024

Current Status: Agenda Ready

Version: 1

Matter Type: WRA ResOps Item

Approve the Minutes of the Reservoir Operations Advisory Committee meeting on February 29, 2024.

County of Monterey

*Saffron Room
1441 Schilling Place 1st Floor
Salinas, CA 93901*



Meeting Minutes

Thursday, February 29, 2024

1:30 PM

Water Resources Agency Reservoir Operations Advisory Committee

*John Baillie, Chair
Ken Ekelund
Mark Gonzalez
Matthew Simis*

<i>Jon Anthony</i>	<i>Eric Morgan</i>
<i>Bill Lipe</i>	<i>Kevin Piearcy</i>
<i>Wes Thomson</i>	<i>Marc Kelley</i>
<i>Layla Decker</i>	<i>Doug Scattini</i>
<i>Richard Ortiz</i>	<i>Zach Barnes</i>
<i>Matthew Panziera</i>	<i>Steve Blois</i>
<i>Vacancy (1)</i>	

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7. El Presidente y / o Secretario pueden establecer reglas razonables según sea necesario para llevar a cabo la reunión de manera ordenada.

Call to Order

Call to Order

The meeting was called to order at 1:30 p.m.

Roll Call

Present: John Baillie, Ken Ekelund, Mark Gonzalez, Matthew Simis, Jon Anthony, Bill Lipe, Richard Ortiz, Marc Kelley, Steve Blois, Zach Barnes

Absent: Layla Decker, Wes Thomson, Matthew Panziera, Eric Morgan, Kevin Piearcy, Doug Scattini

Public Comment

None

Committee Member Comments

Bill Lipe, Ken Ekelund, John Baillie

Consent Calendar

Upon Motion by Matthew Simis, Second by Steve Blois the Committee approved the Consent calendar of the Reservoir Operations Advisory Committee Meeting.

Ayes: Mark Gonzalez, Richard Ortiz, John Baillie, Matthew Simis, Jon Anthony, Zach Barnes, Bill Lipe, Marc Kelley, Ken Ekelund, Steve Blois

Absent: Doug Scattini, Layla Decker, Wes Thomson, Eric Morgan, Matthew Panziera, Kevin Piearcy,

1. Approve the Minutes of the Reservoir Operations Advisory Committee meeting on January 25, 2024.

Attachments: [Draft ResOps Minutes January 25, 2024](#)

Staff Reports

2. Reservoir Storage and Releases Update (Staff Presenting; Joseph Klein)

Attachments: [Reservoir Storage Release Update Report](#)
 [Reservoir Elevation and Storage Slides](#)

Committee Member Comments: John Baillie, Ken Ekelund, Bill Lipe, Richard Ortiz, Jon Anthony, Marc Kelly, Steve Blois, Mark Gonzalez

Public Comment: None

3. Current Operations and Maintenance Activities at the Reservoirs (Staff Presenting; Jason Demers)

Committee Member Comments: Mark Gonzalez, John Baillie, Marc Kelley, Bill Lipe
Public Comment: None

4. Update on the San Antonio Spillway (Staff Presenting; Elise Ramirez)

Committee Member Comments: Marc Kelley, Mark Gonzalez, Bill Lipe, John Baillie
Public Comment: None

Status Reports

- 5.
- Lake Recreation by Concessionaire and Parks Department
 - San Luis Obispo County Activities
 - National Marine Fisheries Service
 - Quagga Mussel Update

Committee Member Comments: Ken Ekelund, John Baillie, Steve Blois, Richard Ortiz
Public Comment: None

Calendar

6. Set next meeting date and discuss future agenda items.

Adjournment

The meeting was adjourned at 2:11 p.m.



County of Monterey

Item No.3

Board Report

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Legistar File Number: WRARO 24-028

April 04, 2024

Introduced: 3/25/2024

Current Status: Agenda Ready

Version: 1

Matter Type: WRA ResOps Item

Consider recommending a release schedule for Nacimiento and San Antonio reservoirs for 2024

RECOMMENDATION:

Staff recommends that the Reservoir Operations Advisory Committee:

Recommend that the Monterey County Water Resources Agency Board of Directors Consider Adopting a Release Schedule for Nacimiento and San Antonio Reservoirs for 2024.

SUMMARY/DISCUSSION:

Beginning in 2010 the Agency operated the SRDF during four seasons (through 2013) before extended drought conditions resulted in insufficient reservoir levels for operation during the next three years, 2014 through 2016. The Winter of 2016-2017 brought large inflow volumes into the reservoirs allowing resumption of conservation releases and SRDF operation during 2017 and 2018, despite limited inflow during the 2017-2018 winter. A wet 2018-2019 winter provided significant Nacimiento Reservoir inflow and sufficient storage for complete operation seasons in 2019 as well as 2020, the first year of the next drought. That drought would span three years and result in a truncated release season in 2021 and insufficient water in storage to operate at all in 2022. 2023 marked a return to wet conditions providing storage increases of approximately 300,000 acre feet and 200,000 acre-feet at Nacimiento and San Antonio Reservoirs, respectively. Following a full conservation season which provided groundwater recharge and SRDF diversions from May through October, 2023, numerous small to moderate winter storms have re-filled the Nacimiento Conservation Pool and brought San Antonio close to its operational volume limit which is currently based on the 1985 Rule Curve pending re-construction of the San Antonio Dam Spillway. As a result, total combined reservoir storage volume at the end of March exceeds 600,000 acre feet for the first time since 2011.

The attached proposed 2024 release schedule accounts for current reservoir inflow rates but assumes no new inflow events for the remainder of the calendar year. The schedule also reflects an estimation of reservoir releases needed to maintain 300 cfs at the Salinas River near Spreckels USGS Streamflow gage through April 20, in accordance with "block flow" operational specifications stipulated in the Flow Prescription and incorporated into Agency water rights. Temporary release adjustments to accommodate recreation activities over holiday periods are also incorporated into the proposed schedule.

Some uncertainty exists as to the date of SRDF startup, which could occur as early as April 1 but may be delayed in order to complete essential maintenance. The proposed schedule reflects an assumed

April 1 start date and maintains conservation flows to recharge the Salinas Valley groundwater basin and operate the SRDF into mid-October while meeting the operational requirements of State Water Resources Control Board appropriative water rights held by the Agency for the Nacimiento and San Antonio Rivers.

As is the standard procedure each year, the release schedule will be updated monthly based on actual hydrologic conditions, changing SRDF demands, and other reservoir operational considerations as may be necessary subsequent to the development of this initial proposed release schedule.

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

None

Prepared by: Peter Kwiek, Associate Water Resources Hydrologist (831) 755-4860

Attachments: Reservoir Release Schedule For 2024



Today's Action

Consider recommending that the Monterey County Water Resources Agency Board of Directors adopt a Release Schedule for Nacimiento and San Antonio Reservoirs for 2024.



Background

Nacimiento and San Antonio Dams & Reservoirs

- Agency-owned Multi-Use
 - Flood Control, Groundwater recharge, SRDF Operation, water supply, fish habitat, recreation.
- Each year the Agency develops annual release schedule in a monthly format as an operational guide.
- Incorporates proposed operations and accounts for the various demands.

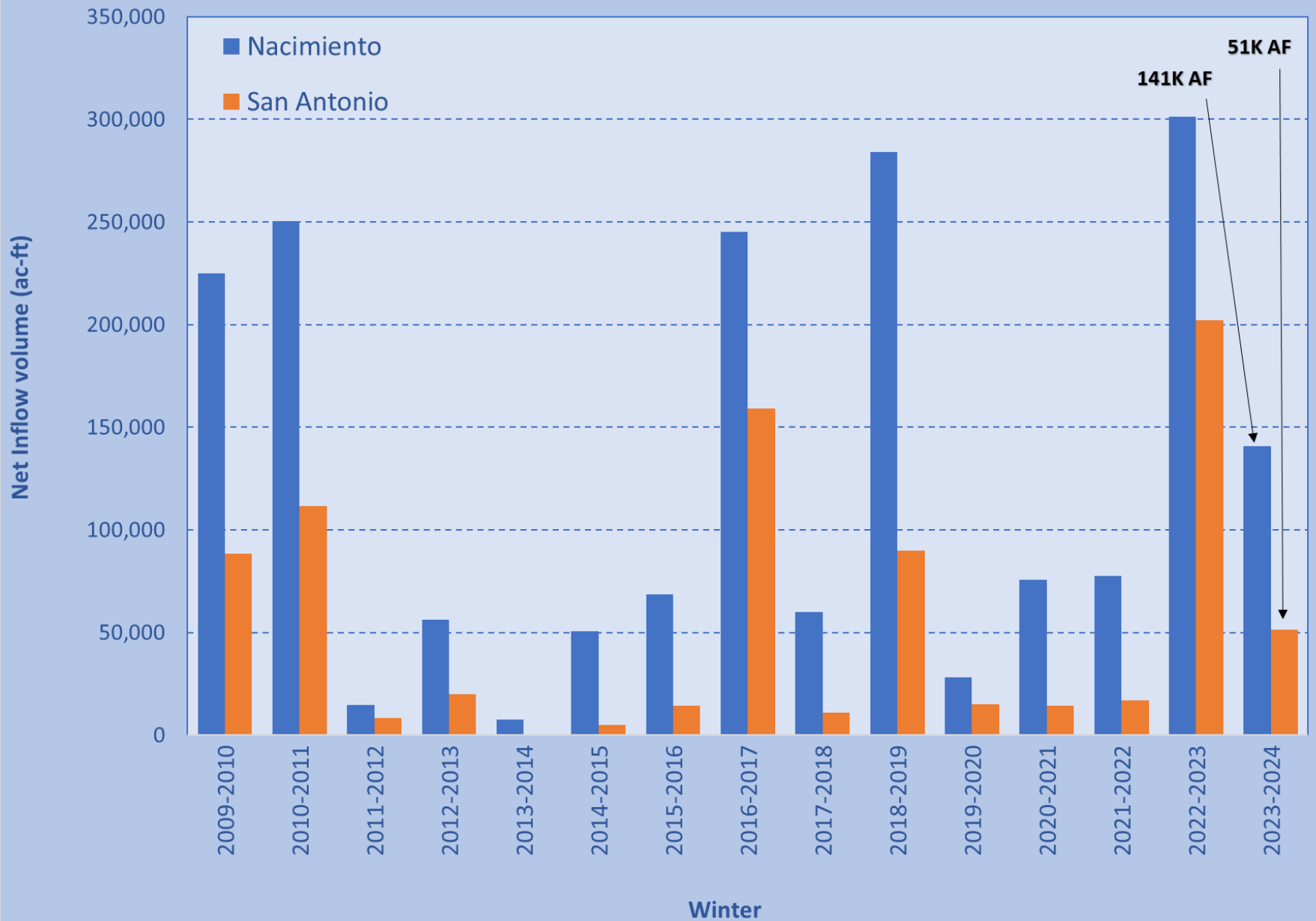


Background

Reservoir Release Schedules

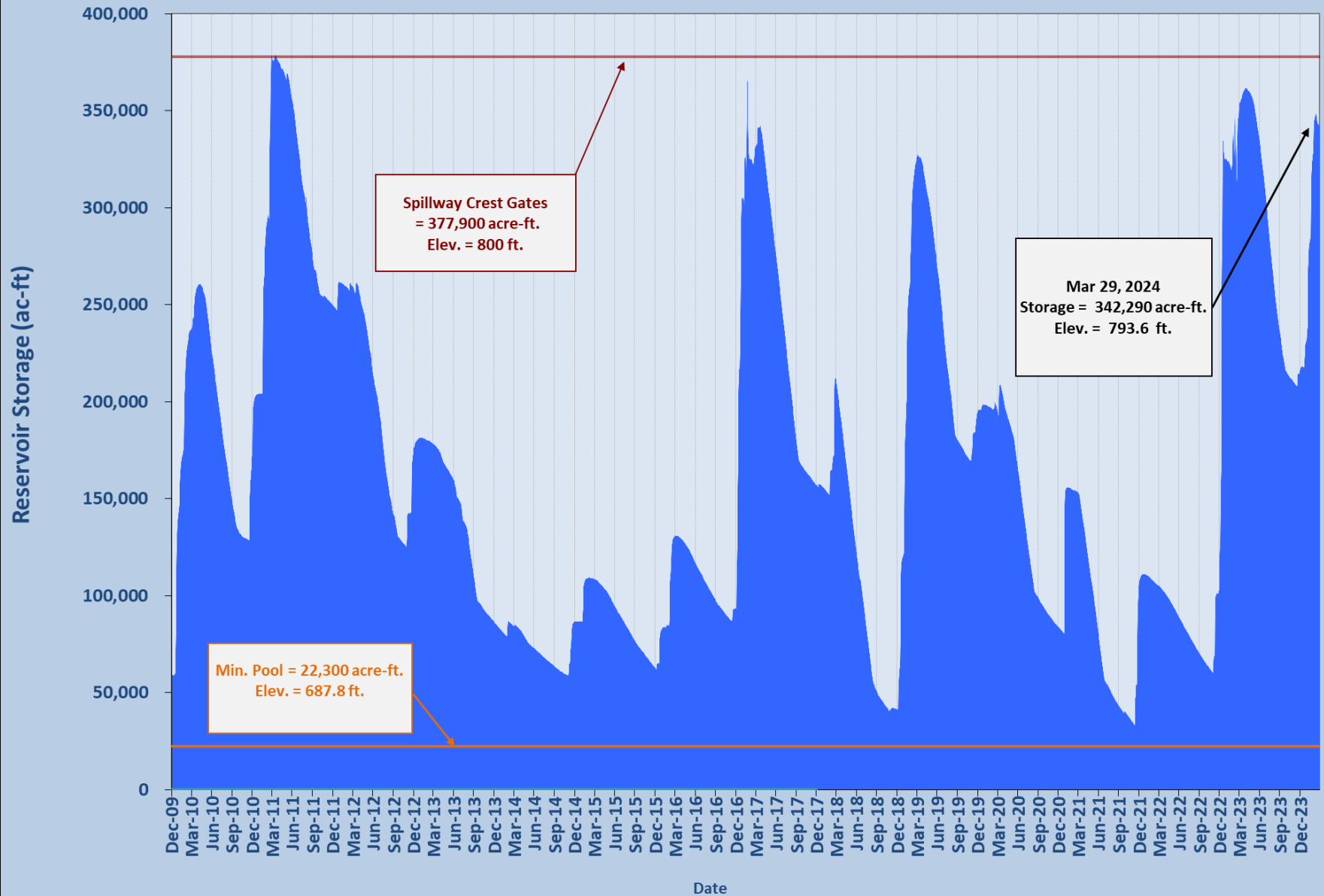
- ROAC March, BOD April
- Adopted 2023 Schedule included Conservation Releases, May-October

Net Reservoir Inflow Totals Since 2010



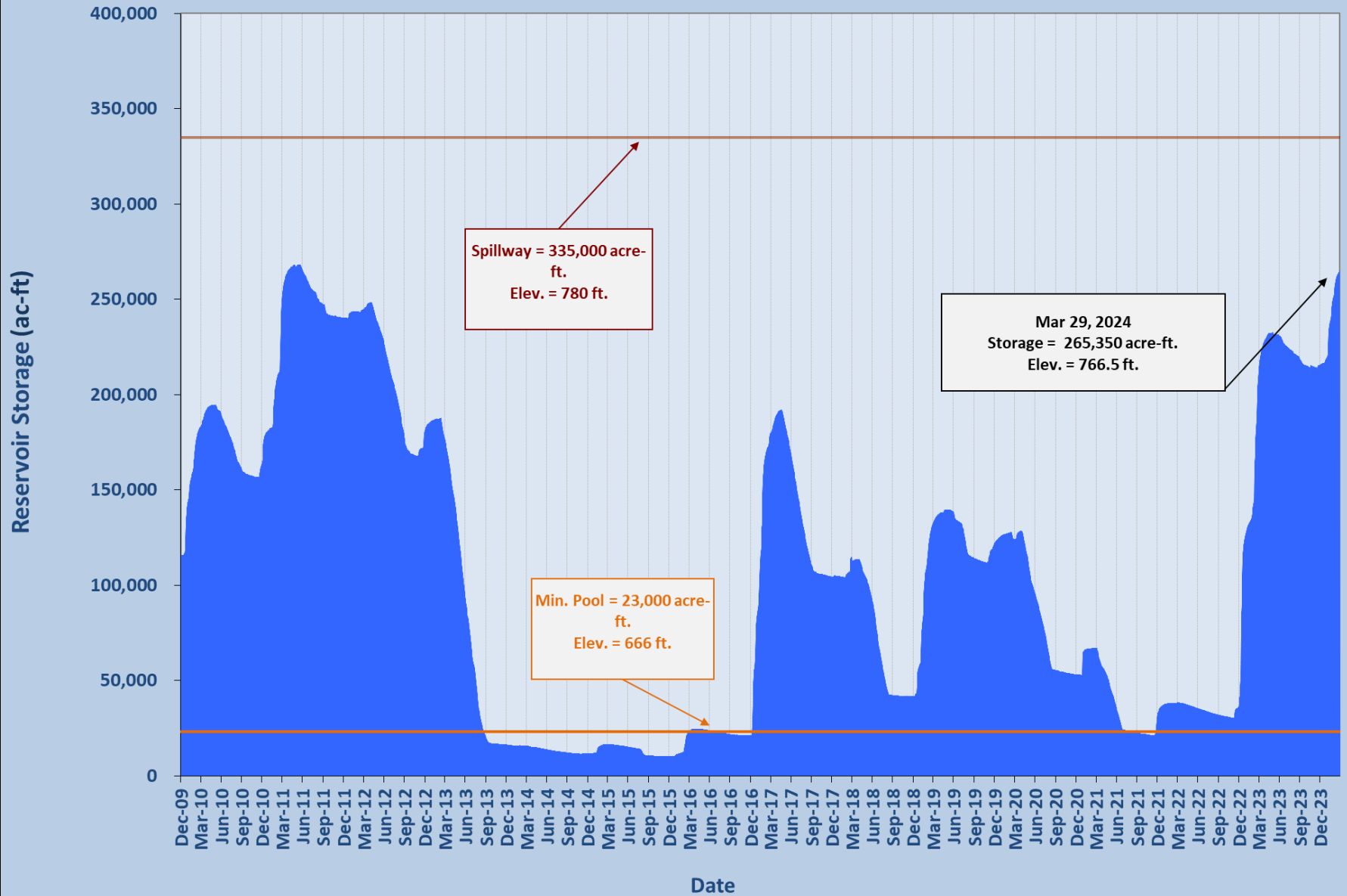
NACIMIENTO RESERVOIR

DAILY STORAGE Since 2010



SAN ANTONIO RESERVOIR

DAILY STORAGE Since 2010



DRAFT RESERVOIR RELEASE SCHEDULE FOR 2024

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Month	Combined Releases (cfs) ¹	Combined Releases (ac-ft)	NACIMIENTO								SAN ANTONIO					
			Evap. Losses (ac-ft)	Reservoir Releases (cfs) ¹	Reservoir Releases (ac-ft)	NWP Orders (ac-ft)	NWP Diversions (ac-ft)	Beginning of Month Storage (ac-ft)	(%)	Elev. (ft)	Evap. Losses (ac-ft)	Reservoir Releases (cfs) ¹	Reservoir Releases (ac-ft)	Beginning of Month Storage (ac-ft)	(%)	Elev. (ft)
Jan	70	4,304	509	60	3,689	499	70	216,430	57%	767.4	592	10	615	215,750	64%	755.1
Feb	97	5,582	546	87	5,006	696	120	234,025	62%	771.5	573	10	575	219,960	66%	756.1
Mar	505	31,075	1,173	481	29,588	937		329,688	87%	791.3	896	24	1,488	252,000	75%	763.6
Apr	429	25,508	1,655	350	20,827	910		338,662	90%	792.9	1,311	79	4,681	265,219	79%	766.5
May	360	22,136	2,351	323	19,835	1,493		318,900	84%	789.2	1,913	37	2,301	262,044	78%	765.8
Jun	445	26,500	3,120	350	20,827	1,966		295,233	78%	784.6	2,683	95	5,673	257,831	77%	764.9
Jul	574	35,306	3,173	340	20,926	2,043		269,338	71%	779.2	2,862	234	14,380	249,197	74%	763.0
Aug	647	39,769	2,868	348	21,422	2,043		243,216	64%	773.6	2,600	298	18,347	231,756	69%	759.0
Sep	502	29,852	2,240	345	20,529	2,000		217,004	57%	767.5	2,028	157	9,322	210,821	63%	753.8
Oct	274	16,820	1,542	102	6,248	1,535		192,151	51%	761.3	1,379	172	10,572	199,773	60%	750.9
Nov	70	4,165	796	60	3,570	1,122		183,419	49%	759.1	698	10	595	187,988	56%	747.7
Dec	70	4,304	479	60	3,689	503		177,942	47%	757.6	434	10	615	186,670	56%	747.4
Jan 2023								173,413	46%	756.4				185,626	55%	747.1
Totals		245,321	20,452		176,157	15,747	190				17,969		69,165			

Draft Date: 3/19/24

Notes:

- Mean daily flow for the month in cubic feet per second.
- Shaded areas denote actual values. Non-shaded areas are projected values.
- Nacimiento Reservoir storage capacity: 377,900 acre feet; San Antonio Reservoir storage capacity: 335,000 acre feet.
- Reservoir Operations Advisory Committee may make release considerations for holiday periods to benefit recreation.
- Schedule assumes no additional storm events that provide inflow to reservoirs. Actual elevations may be influenced by inflow.
- "NWP Diversions" are San Luis Obispo County - Nacimiento Water Project conveyance facilities diversions. Max. allowable water year (Oct. 1 - Sept. 30) diversions: 15,750 ac-ft.
- Nacimiento "NWP Diversions" do not include lakeside water use which is estimated at approximately 1,750 acre feet per year.



2024 Release Schedule Proposal

Reservoir Release Schedules

- Provides full conservation releases/SRDF Operations, April 1 through mid-October.
- Complies with water rights storage withdrawal limits.
- Adheres to Flow Prescription
- Accommodates needed repair and maintenance activities
- Accommodates peak holiday recreational activities
- Provides operational flexibility



Today's Action

Recommend that
the Monterey County Water Resources Agency
Board of Directors adopt a Release Schedule
for Nacimiento and San Antonio Reservoirs for
2024.

DRAFT RESERVOIR RELEASE SCHEDULE FOR 2024

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Month	Combined Releases (cfs) ¹	Combined Releases (ac-ft)	NACIMIENTO							SAN ANTONIO						
			Evap. Losses (ac-ft)	Reservoir Releases (cfs) ¹	Reservoir Releases (ac-ft)	NWP Orders (ac-ft)	NWP Diversions (ac-ft)	Beginning of Month Storage		Elev. (ft)	Evap. Losses (ac-ft)	Reservoir Releases (cfs) ¹	Reservoir Releases (ac-ft)	Beginning of Month Storage		Elev. (ft)
Jan	70	4,304	509	60	3,689	499	70	216,430	57%	767.4	592	10	615	215,750	64%	755.1
Feb	97	5,582	546	87	5,006	696	120	234,025	62%	771.5	573	10	575	219,960	66%	756.1
Mar	505	31,075	1,173	481	29,588	937		329,688	87%	791.3	896	24	1,488	252,000	75%	763.6
Apr	429	25,508	1,655	350	20,827	910		338,662	90%	792.9	1,311	79	4,681	265,219	79%	766.5
May	360	22,136	2,351	323	19,835	1,493		318,900	84%	789.2	1,913	37	2,301	262,044	78%	765.8
Jun	445	26,500	3,120	350	20,827	1,966		295,233	78%	784.6	2,683	95	5,673	257,831	77%	764.9
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Jan 2023								173,413	46%	756.4				185,626	55%	747.1
Totals		245,321	20,452		176,157	15,747	190				17,969		69,165			

Draft Date: 3/19/24

Notes:

1. Mean daily flow for the month in cubic feet per second.
2. Shaded areas denote actual values. Non-shaded areas are projected values.
3. Nacimiento Reservoir storage capacity: 377,900 acre feet; San Antonio Reservoir storage capacity: 335,000 acre feet.
4. Reservoir Operations Advisory Committee may make release considerations for holiday periods to benefit recreation.
5. Schedule assumes no additional storm events that provide inflow to reservoirs. Actual elevations may be influenced by inflow.
6. "NWP Diversions" are San Luis Obispo County - Nacimiento Water Project conveyance facilities diversions. Max. allowable water year (Oct. 1 - Sept. 30) diversions: 15,750 ac-ft.
7. Nacimiento "NWP Diversions" do not include lakeside water use which is estimated at approximately 1,750 acre feet per year.





County of Monterey

Item No.3

Board Report

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Legistar File Number: WRARO 24-028

April 04, 2024

Introduced: 3/25/2024

Current Status: Agenda Ready

Version: 1

Matter Type: WRA ResOps Item

Consider recommending a release schedule for Nacimiento and San Antonio reservoirs for 2024

RECOMMENDATION:

Staff recommends that the Reservoir Operations Advisory Committee:

Recommend that the Monterey County Water Resources Agency Board of Directors Consider Adopting a Release Schedule for Nacimiento and San Antonio Reservoirs for 2024.

SUMMARY/DISCUSSION:

Beginning in 2010 the Agency operated the SRDF during four seasons (through 2013) before extended drought conditions resulted in insufficient reservoir levels for operation during the next three years, 2014 through 2016. The Winter of 2016-2017 brought large inflow volumes into the reservoirs allowing resumption of conservation releases and SRDF operation during 2017 and 2018, despite limited inflow during the 2017-2018 winter. A wet 2018-2019 winter provided significant Nacimiento Reservoir inflow and sufficient storage for complete operation seasons in 2019 as well as 2020, the first year of the next drought. That drought would span three years and result in a truncated release season in 2021 and insufficient water in storage to operate at all in 2022. 2023 marked a return to wet conditions providing storage increases of approximately 300,000 acre feet and 200,000 acre-feet at Nacimiento and San Antonio Reservoirs, respectively. Following a full conservation season which provided groundwater recharge and SRDF diversions from May through October, 2023, numerous small to moderate winter storms have re-filled the Nacimiento Conservation Pool and brought San Antonio close to its operational volume limit which is currently based on the 1985 Rule Curve pending re-construction of the San Antonio Dam Spillway. As a result, total combined reservoir storage volume at the end of March exceeds 600,000 acre feet for the first time since 2011.

The attached proposed 2024 release schedule accounts for current reservoir inflow rates but assumes no new inflow events for the remainder of the calendar year. The schedule also reflects an estimation of reservoir releases needed to maintain 300 cfs at the Salinas River near Spreckels USGS Streamflow gage through April 20, in accordance with "block flow" operational specifications stipulated in the Flow Prescription and incorporated into Agency water rights. Temporary release adjustments to accommodate recreation activities over holiday periods are also incorporated into the proposed schedule.

Some uncertainty exists as to the date of SRDF startup, which could occur as early as April 1 but may be delayed in order to complete essential maintenance. The proposed schedule reflects an assumed

April 1 start date and maintains conservation flows to recharge the Salinas Valley groundwater basin and operate the SRDF into mid-October while meeting the operational requirements of State Water Resources Control Board appropriative water rights held by the Agency for the Nacimiento and San Antonio Rivers.

As is the standard procedure each year, the release schedule will be updated monthly based on actual hydrologic conditions, changing SRDF demands, and other reservoir operational considerations as may be necessary subsequent to the development of this initial proposed release schedule.

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

None

Prepared by: Peter Kwiek, Associate Water Resources Hydrologist (831) 755-4860

Attachments: Reservoir Release Schedule For 2024



County of Monterey

Item No.4

Board Report

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Legistar File Number: WRARO 24-029

April 04, 2024

Introduced: 3/25/2024

Current Status: Agenda Ready

Version: 1

Matter Type: WRA ResOps Item

Reservoir Storage and Release Update (Staff Presenting; Peter Kwick)

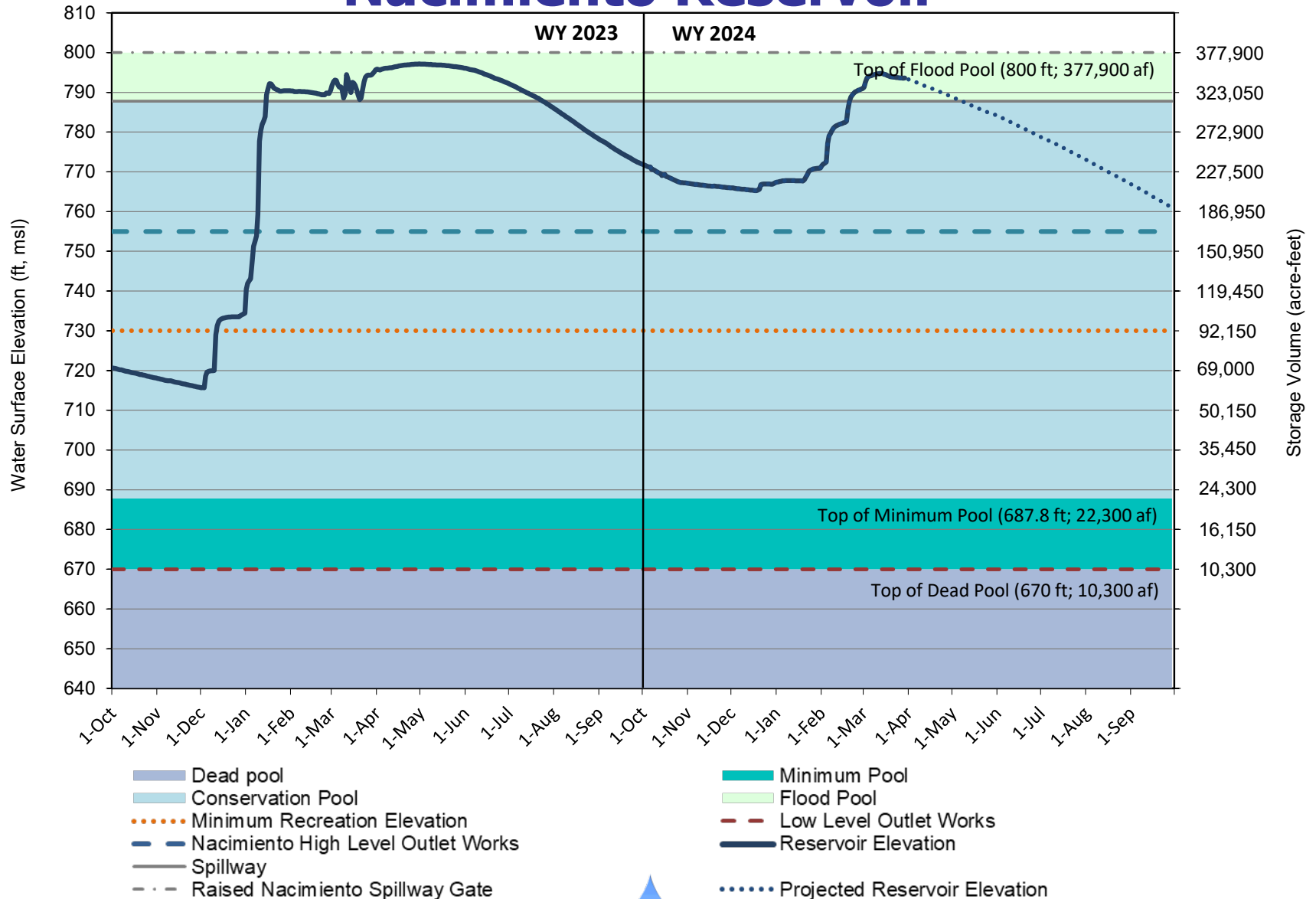
Current Reservoir Conditions

(3/29/24)

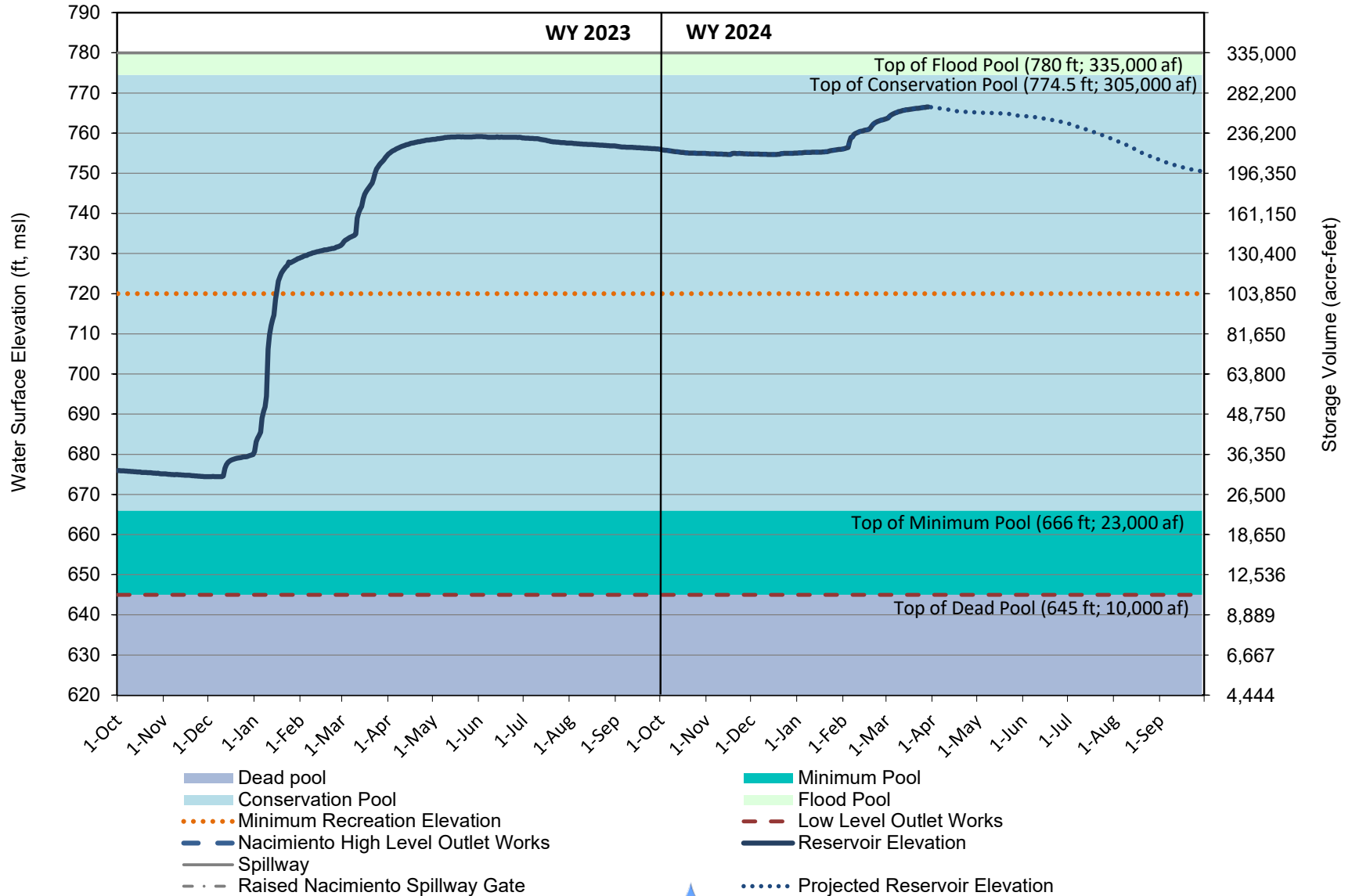
	Nacimiento	San Antonio
Percentage of Capacity	91%	79%
Elevation (ft.)	793.6	766.5
Storage (ac-ft)	342,290	265,350
Releases (cfs)	60	10



Nacimientto Reservoir



San Antonio Reservoir



Synopsis of Reservoir Release Changes

Since October 27, 2023

	San Antonio Reservoir		Nacimiento Reservoir		
Date	Starting Flow	Ending Flow	Starting Flow	Ending Flow	Total Releases
October 27, 2023	10	10	245	60	70
February 1, 2024	10	10	60	300	310
February 3, 2024	10	10	300	60	70
March 2, 2024	10	10	80	1000	1,010
March 4, 2024	10	10	1000	850	860
March 6, 2024	10	10	825	600	610
March 8, 2024	10	10	600	350	360
March 13, 2024	10	10	350	650	660
March 19, 2024	10	10	650	340	350
March 22, 2024	10	10	340	250	260
March 27, 2024	10	10	250	150	160
March 29, 2024	10	10	150	60	70

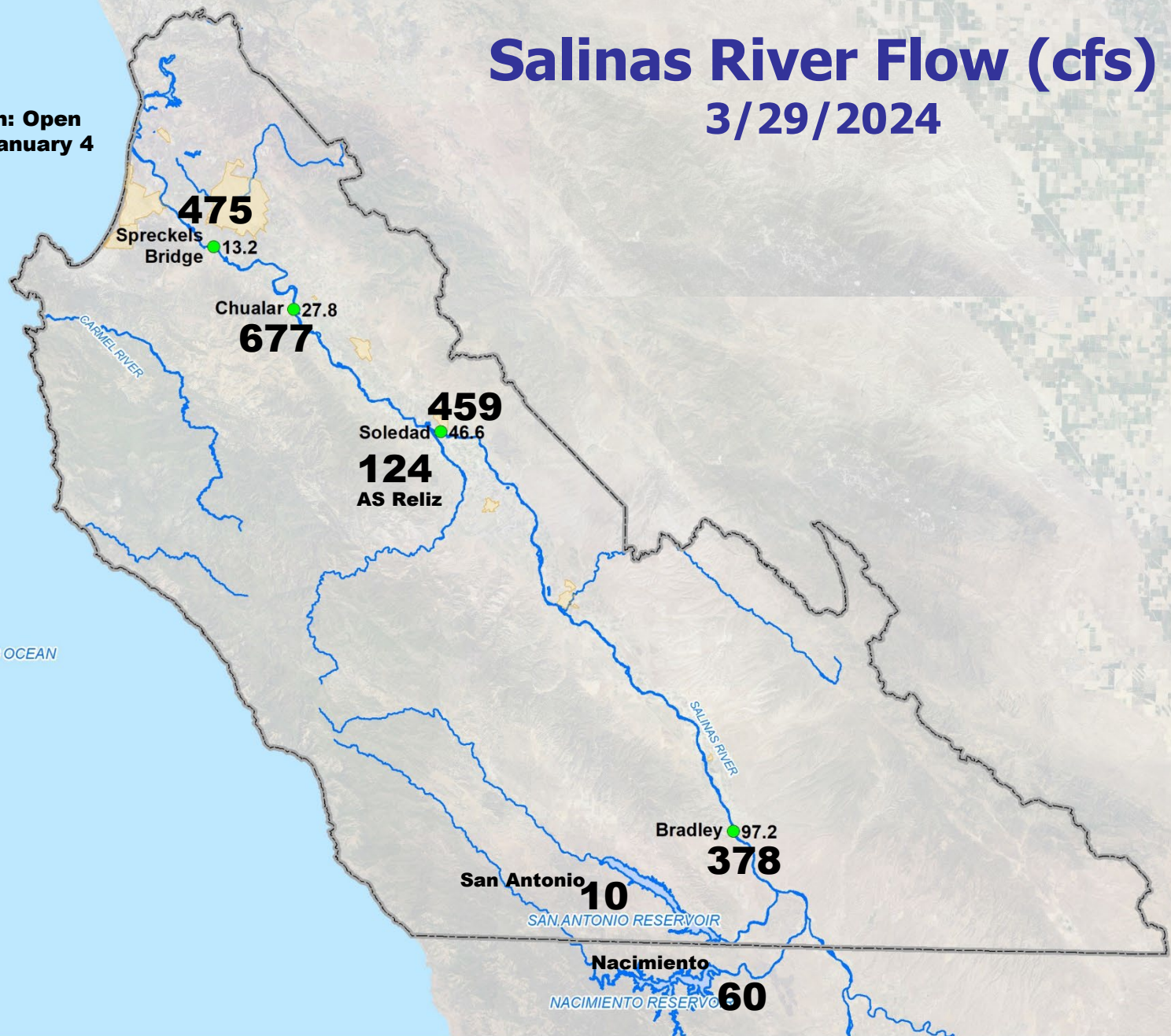


Salinas River Flow (cfs)

3/29/2024

Lagoon: Open
since January 4

PACIFIC OCEAN





County of Monterey

Item No.5

Board Report

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Legistar File Number: WRARO 24-030

April 04, 2024

Introduced: 3/25/2024

Current Status: Agenda Ready

Version: 1

Matter Type: WRA ResOps Item

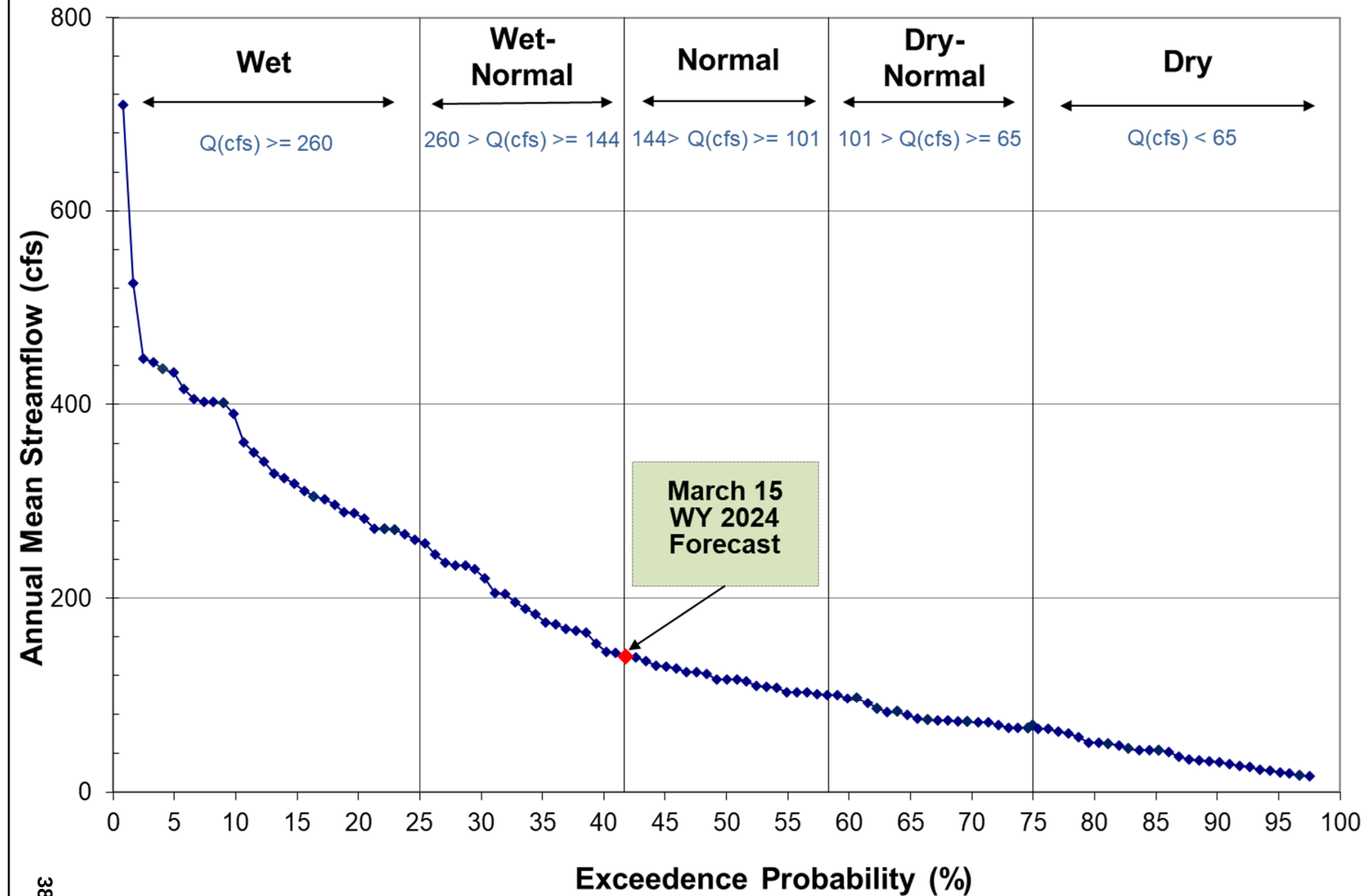
2024 Year Type Forecast (Staff Presenting; Peter Kwiek)

Year Type Forecast

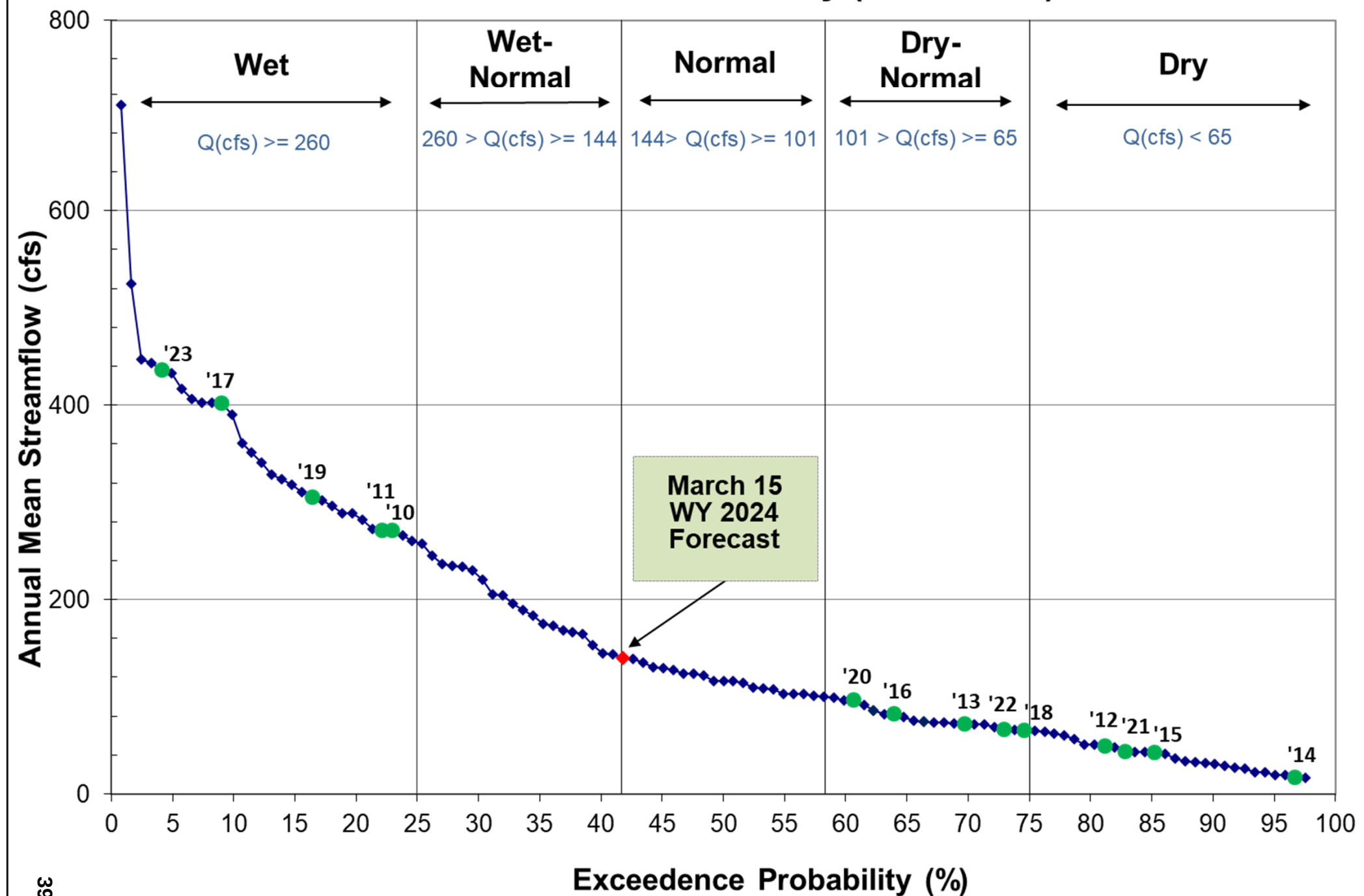
Water Year 2024



Arroyo Seco Mean Unimpaired Annual Streamflow Exceedance Probability (1902-2022)



Arroyo Seco Mean Unimpaired Annual Streamflow Exceedance Probability (1902-2022)





County of Monterey

Item No.6

Board Report

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Legistar File Number: WRARO 24-031

April 04, 2024

Introduced: 3/25/2024

Current Status: Agenda Ready

Version: 1

Matter Type: WRA ResOps Item

Current Operations and Maintenance Activities at the Reservoirs (Staff Presenting: Jason Demers)



County of Monterey

Item No.7

Board Report

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Legistar File Number: WRARO 24-032

April 04, 2024

Introduced: 3/25/2024

Current Status: Agenda Ready

Version: 1

Matter Type: WRA ResOps Item

- Lake Recreation by Concessionaire and Parks Department
- San Luis Obispo County Activities
- National Marine Fisheries Service
- Quagga Mussel Update



County of Monterey

Item No.8

Board Report

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Legistar File Number: WRARO 24-033

April 04, 2024

Introduced: 3/25/2024

Current Status: Agenda Ready

Version: 1

Matter Type: WRA ResOps Item

Set next meeting date and discuss future agenda items.



MONTEREY COUNTY WATER RESOURCES AGENCY

MEMORANDUM

DATE: March 20, 2024

TO: Reservoir Operations Advisory Committee

FROM: Mayor Mike LeBarre, Chair

SUBJECT: Committee Appointments

The following annual Reservoir Operations Advisory Committee appointments, are effective immediately:

Board of Director Seats:

John Baillie (Chair) Ken Ekelund, Mark Gonzales, Matt Simis

Monterey County Parks Department: Jon Anthony

Lakes Resort Concessionaire: Layla Decker

San Luis Obispo County Public Works Department: Wes Thomson

Nacimiento Regional Water Management Advisory Committee: Steve Blois

Pressure groundwater subarea: Doug Scattini

Forebay groundwater subarea: Eric Morgan

Upper Valley groundwater subarea: Bill Lipe

Public at Large: Marc Kelley

Public at Large: Zach Barnes

Public at Large: Richard Ortiz

Currently the Salinas Valley City and the East Side groundwater subarea seats are vacant and to date no applications have been received.

The above appointments are in effect through calendar year 2024 after which annual committee appointments will be re-opened to applications, in accordance with Section IV, 4.01 and 4.03 of the Monterey County Water Resources Agency Board of Directors Bylaws, as amended 2/20/2024.

DocuSigned by:

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