

Monterey County

*Monterey County Government Center
Board of Supervisor Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901*



Meeting Agenda - Final

Tuesday, March 23, 2021

1:30 PM

**IMPORTANT COVID-19 NOTICE ON PAGE 2-4
AVISO IMPORTANTE SOBRE COVID-19 EN LA PAGINA 2-4**

<https://montereycty.zoom.us/j/224397747>

Board of Supervisors of the Monterey County Water Resources Agency

*Chair Supervisor Wendy Root Askew - District 4
Vice Chair Supervisor Mary L. Adams - District 5
Supervisor Luis A. Alejo - District 1
Supervisor John M. Phillips - District 2
Supervisor Chris Lopez - District 3*

Important Notice Regarding COVID 19

Based on guidance from the California Department of Public Health and the California Governor's Office, in order to minimize the spread of the COVID 19 virus, please do the following:

1. While the Board chambers remain open, you are strongly encouraged to observe the live stream of the Board of Supervisors meetings at http://monterey.granicus.com/ViewPublisher.php?view_id=19, <http://www.mgtvonline.com/>, www.youtube.com/c/MontereyCountyTV or <https://www.facebook.com/MontereyCoInfo/>

If you attend the Board of Supervisors meeting in person, you will be required to maintain appropriate social distancing, i.e., maintain a 6-foot distance between yourself and other individuals.

2. If you choose not to attend the Board of Supervisors meeting but desire to make general public comment, or comment on a specific item on the agenda, you may do so in three ways:

a. submit your comment via email by 5:00 p.m. on the Monday prior to the Board meeting. Please submit your comment to the Clerk of the Board at cob@co.monterey.ca.us. In an effort to assist the Clerk in identifying the agenda item relating to your public comment please indicate in the Subject Line, the meeting body (i.e. Board of Supervisors Agenda) and item number (i.e. Item No. 10). Your comment will be placed into the record at the Board meeting.

b. if you are watching the live stream of the Board meeting, you may submit your comment, limited to 250 words or less, to the Clerk of the Board at publiccomment@co.monterey.ca.us. General public comment must be received during the General Public Comment item on the agenda, and comments on specific agenda items must be received as it is being heard. In an effort to assist the Clerk in identifying the agenda item relating to your public comment please indicate in the Subject Line, the meeting body (i.e. Board of Supervisors Agenda) 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.

c. you may participate through ZOOM. For ZOOM participation please join by computer audio at: <https://montereycty.zoom.us/j/224397747>

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: 224397747 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.

3. Additional seating with audio of the Board meeting will be available in the Monterey Room on the 2nd floor of the County Government Center.

Aviso importante sobre COVID 19

Basado en la guía del Departamento de Salud Pública de California y la Oficina del Gobernador de California, para minimizar la propagación del virus COVID 19, haga lo siguiente:

1. Mientras las cámaras de la Junta permanecen abiertas, le recomendamos que observe la transmisión en vivo de las reuniones de la Junta de Supervisores en http://monterey.granicus.com/ViewPublisher.php?view_id=19, <http://www.mgtvonline.com/>, www.youtube.com/c/MontereyCountyTV o <https://www.facebook.com/MontereyCoInfo/>

Si asiste a la reunión de la Junta de Supervisores en persona, deberá mantener un distanciamiento social apropiado, es decir, mantener una distancia de 6 pies entre usted y otras personas.

2. Si elige no asistir a la reunión de la Junta de Supervisores pero desea hacer un comentario público general o comentar un tema específico de la agenda, puede hacerlo de tres maneras:

a. envíe su comentario por correo electrónico antes de las 5:00 p.m. el lunes anterior a la reunión de la Junta. Envíe su comentario al Secretario de la Junta a cob@co.monterey.ca.us. En un esfuerzo por ayudar al Secretario a identificar el ítem de la agenda relacionado con su comentario público, indique en la línea de asunto, el cuerpo de la reunión (es decir, la agenda de la Junta de Supervisores) y el número de ítem (es decir, el ítem No. 10). Su comentario se colocará en el registro en la reunión de la Junta.

b. Si está viendo la transmisión en vivo de la reunión de la Junta, puede enviar su comentario, limitado a 250 palabras o menos, al Secretario de la Junta en publiccomment@co.monterey.ca.us. Los comentarios del público en general deben recibirse durante el elemento de Comentarios del público en general en la agenda, y los comentarios sobre los elementos específicos de la agenda deben recibirse mientras se escuchan. En un esfuerzo por ayudar al Secretario a identificar el ítem

de la agenda relacionado con su comentario público, indique en la línea de asunto, el cuerpo de la reunión (es decir, la agenda de la Junta de Supervisores) y el número de ítem (es decir, el ítem No. 10). Se hará todo lo posible para leer su comentario en el registro, pero algunos comentarios pueden no leerse debido a limitaciones de tiempo. Los comentarios recibidos después de un ítem de la agenda serán parte del registro si se reciben antes del final de la reunión.

c. Puedes participar a través de ZOOM. Para participar en ZOOM, únase por audio de computadora en: <https://montereycty.zoom.us/j/224397747>

O para participar por teléfono, llame a cualquiera de estos números a continuación:

+1 669 900 6833 EE. UU. (San José)
+1346248 7799 EE. UU. (Houston)
+1312626 6799 EE. UU. (Chicago)
+1929205 6099 EE. UU. (Nueva York)
+1 253 215 8782 EE. UU.
+1301715 8592 EE. UU.

Ingrese este número de ID de reunión: 224397747 cuando se le solicite. Tenga en cuenta que no hay un Código de participante, simplemente presionará # nuevamente después de que la grabación lo solicite.

Se lo 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.

3. Los asientos adicionales con audio de la reunión de la Junta estarán disponibles en la Sala de Monterey en el segundo piso del Centro de Gobierno del Condado.

NOTE: All agenda titles related to numbered agenda items are live web links. Click on the title to be directed to the corresponding Board Report.

PUBLIC COMMENT: Members of the public may address comments to the Board concerning each agenda item. The timing of public comment shall be at the discretion of the Chair.

Please refer to the separate agenda for the Board of Supervisors

Pursuant to Governor Newsom's Executive Order No. N-29-20, some or all Supervisors may participate in the meeting by telephone or video conference.

1:30 P.M. - Call to Order

Roll Call

Public Comment

Additions and Corrections by Clerk

The Clerk of the Board will announce agenda corrections and proposed additions, which may be acted on by the Board as provided in Sections 54954.2 of the California Government Code.

1:30 P.M. - Scheduled Matters

1. Consider approving and authorizing the General Manager of the Monterey County Water Resources Agency to execute and file with the State Water Resources Control Board, Division of Water Rights, (1) three Petitions for Change of water rights License 12624, License 7543 and Permit 21089 for modifications related to the Interlake Tunnel and the San Antonio Spillway Modification Project; and (2) one Petition for Extension of Time for Permit 21089.

Attachments: [Board Report](#)

2. Consider approving and authorizing the General Manager of the Monterey County Water Resources Agency to execute and file with the State Water Resources Control Board, Division of Water Rights, two Petitions for Change of water rights License 7543 and Permit 21089 for consistency issues related to the Nacimiento Reservoir.

Attachments: [Board Report](#)

3. Consider receiving the Monterey County Water Resources Agency 2021 First Quarter Report.

Attachments: [Board Report](#)
[2021 MCWRA First Quarter Report](#)

Adjournment



Monterey County

Item No.1

Board Report

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

Legistar File Number: WRAG 21-059

March 23, 2021

Introduced: 3/12/2021

Current Status: Scheduled PM

Version: 1

Matter Type: WR General Agenda

Consider approving and authorizing the General Manager of the Monterey County Water Resources Agency to execute and file with the State Water Resources Control Board, Division of Water Rights, (1) three Petitions for Change of water rights License 12624, License 7543 and Permit 21089 for modifications related to the Interlake Tunnel and the San Antonio Spillway Modification Project; and (2) one Petition for Extension of Time for Permit 21089.

RECOMMENDATION:

It is recommended that the Monterey County Water Resources Agency Board of Supervisors:

Approve and authorize the MCWRA General Manager to execute and file with the State Water Resources Control Board, Division of Water Rights:

- (1) three Petitions for Change for water right License 12624, License 7543 and Permit 21089; and
- (2) one Petition for Extension of Time for water right Permit 21089.

SUMMARY/DISCUSSION:

Under California law, the holder of a post-1914 appropriative water right must obtain the approval of the State Water Resources Control Board (SWRCB) before changing certain elements of the water right including the place of use, purpose of use, point of diversion, point of re-diversion, etc. This process is initiated by the filing of a "Petition for Change." The filing of a Petition for Change commences a regulatory process whereby the SWRCB's Division of Water Rights first reviews the Petition for adequacy and then issues a notice of the Petition, affording interested parties an opportunity to protest or otherwise comment on the Petition. If protests are not resolved, the Petition may be set for an adjudicative hearing after which the SWRCB issues a final order on the Petition. While the timeframe for final disposition of a Petition for Change varies, the regulatory process typically requires 3 years or more to complete.

The Monterey County Water Resources Agency (MCWRA) holds various post-1914 appropriative water rights for Nacimiento and San Antonio Reservoirs. The operations of Nacimiento and San Antonio Reservoirs are closely coordinated to meet downstream flow requirements and water demand in the Salinas Valley. The place of use for the water rights includes MCWRA's Zone 2C, as well as areas within San Luis Obispo County pursuant to a 1959 Settlement Agreement between Monterey County and San Luis Obispo County.

MCWRA has previously obtained approvals from the SWRCB to change its water rights. Most recently, MCWRA petitioned the SWRCB to change its water rights in connection with the Salinas River Diversion Facility (SRDF). That change proceeding, which culminated in 2010, resulted in

extensive amendments to MCWRA's water rights including the addition of new flow requirements for fish protection purposes.

MCWRA has proposed an Interlake Tunnel and Spillway Modification Project (ILT). Briefly, the Nacimiento River watershed produces nearly three times the average annual flow of the San Antonio River watershed. Capturing high Nacimiento River flows and re-diverting those flows for storage in San Antonio Reservoir would improve the overall storage capability of the system, thus: (i) providing greater incidental flood protection; (ii) providing greater reliability in meeting instream flow requirements; (iii) optimizing the use of existing surface water rights and storage facilities; and (iv) enhancing the long-term conjunctive management of the Salinas Valley Groundwater Basin. Under the proposed ILT, the total volume of stored water from the Nacimiento River (including water diverted to storage through the ILT) in any given year will not exceed the maximum amounts authorized under the MCWRA's existing water rights for storage of Nacimiento River water (License 7543 and Permit 21089). In addition, the proposed San Antonio Spillway Modification Project would increase the storage capacity of San Antonio Reservoir to receive water through the tunnel from Nacimiento Reservoir.

The ILT and the San Antonio Spillway Modification Project are currently undergoing environmental review under the California Environmental Quality Act and other applicable law. The two projects have not been approved, nor has MCWRA made any irretrievable commitment to implement them.

MCWRA proposes to file three Petitions for Change and one Petition for Extension of Time. Following is a brief summary of the four Petitions:

(1) Petition for Change-License 7543 (Nacimiento). This Petition requests authorization for a change of point of re-diversion, place of use and distribution to storage. The principal purpose of this Petition is to add San Antonio Dam and Reservoir as an additional point of re-diversion and place of storage under License 7543. This Petition will not result in any exceedances of the MCWRA's existing water right terms and conditions, including downstream fishery flow requirements.

(2) Petition for Change-Permit 21089 (Nacimiento). This Petition requests authorization for a change of point of re-diversion, place of use and distribution to storage. The principal purpose of this Petition is to add San Antonio Dam and Reservoir as an additional point of re-diversion and place of storage under Permit 21089. This Petition will not result in any exceedances of the MCWRA's existing water right terms and conditions, including downstream fishery flow requirements. The Agency also proposes to add San Antonio Reservoir to the place of use of Permit 21089.

(3) Petition for Change-License 12624 (San Antonio). The principal purpose of this Petition is to change the capacity limitation of San Antonio Reservoir and correct the place of use description under License 12624. With respect to the latter issue, the place of use described in License 12624 is 259,000 acres net within a gross area of 357,000 acres in Monterey County as shown on a map dated April 28, 1988. This place of use is no longer relevant as it is encompassed by the additional description also included in the water right license described as 421,425 acres comprising MCWRA Zone 2C as shown on a map dated August 14, 2008. MCWRA believes this discrepancy is the result of a clerical error when the water rights were last amended. With respect to the proposed modification of the San Antonio spillway, this proposed change would enhance the proposed ILT (without which the spillway modification is not warranted). Modifications and

improvements to the San Antonio spillway would include raising the height of the existing spillway and repair/replacement of the existing spillway structure. The proposed modification to the spillway at San Antonio would provide up to a 7-foot increase in the maximum reservoir elevation, effectively increasing the maximum storage capacity of San Antonio Reservoir by up to approximately 41,000 acre-feet or a total capacity of approximately 376,000 acre-feet. This Petition will not result in any exceedances of the MCWRA's existing water right terms and conditions, including downstream fishery flow requirements.

(4) Petition for Extension of Time-Permit 21089 (Nacimiento). This Petition requests authorization for an extension of ten years to put water to beneficial use under Permit 21089. This Petition will not result in any exceedances of the MCWRA's existing water right terms and conditions, including downstream fishery flow requirements.

Over the past year MCWRA staff, legal counsel and engineering consultants have met informally with staff of the Division of Water Rights to discuss the Petitions and receive input from Division staff. This process has been productive in focusing and clarifying the various elements of the Petitions.

The Petitions will be filed together as a comprehensive package and will not result in any exceedances of the terms and conditions of MCWRA's existing water rights, including but not limited to downstream fishery flow requirements and San Antonio reservoir capacity limitations.

OTHER AGENCY INVOLVEMENT:

State Water Resources Control Board, Division of Water Rights, County Counsel's Office, MCWRA Board of Directors

FINANCING:

Petition fees are determined by the State of California and are included in the approved FY21 budget, Fund 426.

Prepared by: Shaunna Murray, Senior Water Resources Engineer, (831) 755-4860

Approved by: _____
Brent Buche, General Manager (831) 755-4860



Monterey County

Item No.

Board Report

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

Legistar File Number: WRAG 21-059

March 23, 2021

Introduced: 3/12/2021

Current Status: Agenda Ready

Version: 1

Matter Type: WR General Agenda

Consider approving and authorizing the General Manager of the Monterey County Water Resources Agency to execute and file with the State Water Resources Control Board, Division of Water Rights, (1) three Petitions for Change of water rights License 12624, License 7543 and Permit 21089 for modifications related to the Interlake Tunnel and the San Antonio Spillway Modification Project; and (2) one Petition for Extension of Time for Permit 21089.

RECOMMENDATION:

It is recommended that the Monterey County Water Resources Agency Board of Supervisors:

Approve and authorize the MCWRA General Manager to execute and file with the State Water Resources Control Board, Division of Water Rights:

- (1) three Petitions for Change for water right License 12624, License 7543 and Permit 21089; and
- (2) one Petition for Extension of Time for water right Permit 21089.

SUMMARY/DISCUSSION:

Under California law, the holder of a post-1914 appropriative water right must obtain the approval of the State Water Resources Control Board (SWRCB) before changing certain elements of the water right including the place of use, purpose of use, point of diversion, point of re-diversion, etc. This process is initiated by the filing of a "Petition for Change." The filing of a Petition for Change commences a regulatory process whereby the SWRCB's Division of Water Rights first reviews the Petition for adequacy and then issues a notice of the Petition, affording interested parties an opportunity to protest or otherwise comment on the Petition. If protests are not resolved, the Petition may be set for an adjudicative hearing after which the SWRCB issues a final order on the Petition. While the timeframe for final disposition of a Petition for Change varies, the regulatory process typically requires 3 years or more to complete.

The Monterey County Water Resources Agency (MCWRA) holds various post-1914 appropriative water rights for Nacimiento and San Antonio Reservoirs. The operations of Nacimiento and San Antonio Reservoirs are closely coordinated to meet downstream flow requirements and water demand in the Salinas Valley. The place of use for the water rights includes MCWRA's Zone 2C, as well as areas within San Luis Obispo County pursuant to a 1959 Settlement Agreement between Monterey County and San Luis Obispo County.

MCWRA has previously obtained approvals from the SWRCB to change its water rights. Most recently, MCWRA petitioned the SWRCB to change its water rights in connection with the Salinas River Diversion Facility (SRDF). That change proceeding, which culminated in 2010, resulted in

extensive amendments to MCWRA's water rights including the addition of new flow requirements for fish protection purposes.

MCWRA has proposed an Interlake Tunnel and Spillway Modification Project (ILT). Briefly, the Nacimiento River watershed produces nearly three times the average annual flow of the San Antonio River watershed. Capturing high Nacimiento River flows and re-diverting those flows for storage in San Antonio Reservoir would improve the overall storage capability of the system, thus: (i) providing greater incidental flood protection; (ii) providing greater reliability in meeting instream flow requirements; (iii) optimizing the use of existing surface water rights and storage facilities; and (iv) enhancing the long-term conjunctive management of the Salinas Valley Groundwater Basin. Under the proposed ILT, the total volume of stored water from the Nacimiento River (including water diverted to storage through the ILT) in any given year will not exceed the maximum amounts authorized under the MCWRA's existing water rights for storage of Nacimiento River water (License 7543 and Permit 21089). In addition, the proposed San Antonio Spillway Modification Project would increase the storage capacity of San Antonio Reservoir to receive water through the tunnel from Nacimiento Reservoir.

The ILT and the San Antonio Spillway Modification Project are currently undergoing environmental review under the California Environmental Quality Act and other applicable law. The two projects have not been approved, nor has MCWRA made any irretrievable commitment to implement them.

MCWRA proposes to file three Petitions for Change and one Petition for Extension of Time. Following is a brief summary of the four Petitions:

(1) Petition for Change-License 7543 (Nacimiento). This Petition requests authorization for a change of point of re-diversion, place of use and distribution to storage. The principal purpose of this Petition is to add San Antonio Dam and Reservoir as an additional point of re-diversion and place of storage under License 7543. This Petition will not result in any exceedances of the MCWRA's existing water right terms and conditions, including downstream fishery flow requirements.

(2) Petition for Change-Permit 21089 (Nacimiento). This Petition requests authorization for a change of point of re-diversion, place of use and distribution to storage. The principal purpose of this Petition is to add San Antonio Dam and Reservoir as an additional point of re-diversion and place of storage under Permit 21089. This Petition will not result in any exceedances of the MCWRA's existing water right terms and conditions, including downstream fishery flow requirements. The Agency also proposes to add San Antonio Reservoir to the place of use of Permit 21089.

(3) Petition for Change-License 12624 (San Antonio). The principal purpose of this Petition is to change the capacity limitation of San Antonio Reservoir and correct the place of use description under License 12624. With respect to the latter issue, the place of use described in License 12624 is 259,000 acres net within a gross area of 357,000 acres in Monterey County as shown on a map dated April 28, 1988. This place of use is no longer relevant as it is encompassed by the additional description also included in the water right license described as 421,425 acres comprising MCWRA Zone 2C as shown on a map dated August 14, 2008. MCWRA believes this discrepancy is the result of a clerical error when the water rights were last amended. With respect to the proposed modification of the San Antonio spillway, this proposed change would enhance the proposed ILT (without which the spillway modification is not warranted). Modifications and

improvements to the San Antonio spillway would include raising the height of the existing spillway and repair/replacement of the existing spillway structure. The proposed modification to the spillway at San Antonio would provide up to a 7-foot increase in the maximum reservoir elevation, effectively increasing the maximum storage capacity of San Antonio Reservoir by up to approximately 41,000 acre-feet or a total capacity of approximately 376,000 acre-feet. This Petition will not result in any exceedances of the MCWRA's existing water right terms and conditions, including downstream fishery flow requirements.

(4) Petition for Extension of Time-Permit 21089 (Nacimiento). This Petition requests authorization for an extension of ten years to put water to beneficial use under Permit 21089. This Petition will not result in any exceedances of the MCWRA's existing water right terms and conditions, including downstream fishery flow requirements.

Over the past year MCWRA staff, legal counsel and engineering consultants have met informally with staff of the Division of Water Rights to discuss the Petitions and receive input from Division staff. This process has been productive in focusing and clarifying the various elements of the Petitions.

The Petitions will be filed together as a comprehensive package and will not result in any exceedances of the terms and conditions of MCWRA's existing water rights, including but not limited to downstream fishery flow requirements and San Antonio reservoir capacity limitations.

OTHER AGENCY INVOLVEMENT:

State Water Resources Control Board, Division of Water Rights, County Counsel's Office, MCWRA Board of Directors

FINANCING:

Petition fees are determined by the State of California and are included in the approved FY21 budget, Fund 426.

Prepared by: Shaunna Murray, Senior Water Resources Engineer, (831) 755-4860

Approved by:



Brent Buche, General Manager (831) 755-4860



Monterey County

Item No.2

Board Report

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

Legistar File Number: WRAG 21-060

March 23, 2021

Introduced: 3/12/2021

Current Status: Scheduled PM

Version: 1

Matter Type: WR General Agenda

Consider approving and authorizing the General Manager of the Monterey County Water Resources Agency to execute and file with the State Water Resources Control Board, Division of Water Rights, two Petitions for Change of water rights License 7543 and Permit 21089 for consistency issues related to the Nacimiento Reservoir.

RECOMMENDATION:

It is recommended that the Monterey County Water Resources Agency Board of Supervisors:

Approve and authorize the General Manager of the Monterey County Water Resources Agency to execute and file with the State Water Resources Control Board, Division of Water Rights, two Petitions for Change of water rights License 7543 and Permit 21089 for consistency issues related to the Nacimiento Reservoir.

SUMMARY/DISCUSSION:

As a result of groundwater decline in the Salinas Valley and seawater intrusion near Monterey Bay, in the mid-1940s the Monterey County Board of Supervisors and State Department of Public Works conducted a joint investigation (results published in DWR Bulletin 52) and recommended surface water storage on the Salinas River system. The predecessor to the Monterey County Water Resources Agency (MCWRA) elected to construct Nacimiento Reservoir and San Antonio Reservoir to meet the existing and future demands of the Salinas Valley, and filed water right applications for each (in 1954 and 1955, respectively). To resolve protests by the San Luis Obispo County Flood Control and Water Conservation District, the two entities negotiated an agreement dated October 19, 1959, which assures the San Luis Obispo County Flood Control and Water Conservation District (District) a 17,500 acre-foot water supply from Nacimiento Reservoir.

Under California law, the holder of a post-1914 appropriative water right must obtain the approval of the State Water Resources Control Board (SWRCB) before changing certain elements of the water right including the place of use, purpose of use, point of diversion, point of re-diversion, etc. This process is initiated by the filing of a "Petition for Change." The filing of a Petition for Change commences a regulatory process whereby the SWRCB's Division of Water Rights first reviews the Petition for adequacy and then issues a notice of the Petition, affording interested parties an opportunity to protest or otherwise comment on the Petition. If protests are not resolved, the Petition may be set for an adjudicative hearing after which the SWRCB issues a final order on the Petition. While the timeframe for final disposition of a Petition for Change varies, the regulatory process typically requires 3 years or more to complete.

MCWRA holds various post-1914 appropriative water rights for Nacimiento and San Antonio Reservoirs. The operations of Nacimiento and San Antonio Reservoirs are closely coordinated to meet downstream flow requirements and water demand in the Salinas Valley, including the operation of a downstream point of rediversion, located approximately 100 miles downstream from the confluence of Salinas River and San Antonio River, and approximately 5 miles upstream from the ocean. The place of use for the water rights includes MCWRA's Zone 2C, as well as areas within San Luis Obispo County pursuant to a 1959 Settlement Agreement between Monterey County and San Luis Obispo County.

MCWRA has previously obtained approvals from the SWRCB to change its water rights. Most recently, MCWRA petitioned the SWRCB to change its water rights in connection with the Salinas River Diversion Facility (SRDF). That change proceeding, which culminated in 2010, resulted in extensive amendments to MCWRA's water rights including the addition of new flow requirements for fish protection purposes. Through closer investigation the MCWRA has identified corrections to the place of use under these rights, which it wishes to make for consistency. Also, for consistency purposes and to appropriately account for power generation under its water rights, the MCWRA requests the addition of incidental power generation to the purpose of use under the License 7543 and Permit 21089.

The MCWRA proposes to file two Petitions for Change to correct the place of use descriptions and add incidental power generation to the purpose of use under License 7543 and Permit 21089 for Nacimiento Reservoir. Following is a brief summary of the proposed changes:

Place of Use

The MCWRA has previously requested changes to its water rights for various projects and changes to the places of use, including to add San Luis Obispo County Flood Control and Water Conservation District to the place of use at the direction of the State Water Resources Control Board. This addition was made once the reservoir projects were built pursuant to the 1959 Agreement. Subsequently, there have been multiple changes and corrections to the net and gross boundaries for the place of use within the MCWRA and within San Luis Obispo County as their service and assessment areas have changed over time. The current Place of Use identifies three areas: (1) 200,000 acres net within a gross area of 240,000 acres in Monterey County; (2) 500 acres of irrigated agriculture and 7,000 acres of urban and suburban lands within the San Luis Obispo County Flood Control and Water Conservation District as shown on a map dated June 8, 1967; and (3) 421,425 acres comprising Monterey County Water Resources Agency (MCWRA) Zone 2C as shown on map dated August 14, 2008, all filed with the State Water Board.

The place of use identified under item (1) is no longer relevant, as it is encompassed by item (3). Therefore, it is being requested to remove (1) from the description. Also, it is requested to adjust the language in Item (2) regarding San Luis Obispo County. The proposed place of use is to eliminate the current net acreage limitations of 500 acres of irrigated agriculture and 7,000 acres of urban and suburban lands use but keep the gross limitation of the District's exterior boundary.

In 2003, the District completed the Nacimiento Project Final Environmental Impact Report (FEIR), and by 2011 the Nacimiento Water Project (NWP) was delivering supplemental water within San

Luis Obispo County. The NWP is owned and operated by the District and serves seven participating agencies (Participants) that include the cities of Paso Robles and San Luis Obispo, Templeton Community Services District, Atascadero Mutual Water Company, SMR Mutual Water Company, County Service Area 10A, and Bella Vista Mobile Home Park (Attachment 1).

Currently, District NWP operations deliver water to service areas within the gross limitation, but the Participant service areas, in total, exceed the net limitation for “urban/suburban” use. To provide the District and Participants with greater flexibility for managing the water supply, District staff recommended that the District request that the MCWRA file petitions with the State Board to remove the current net area limits of 7,000 acres for urban and suburban use and 500 acres for irrigated agricultural use. If granted, the change would not modify the service area of the Participants, number of Participants, the total volume of water that can be withdrawn under the MCWRA’s License 7543 or Permit 21089 or the volume that the District can use from Nacimiento Reservoir.

CEQA Determination

Although the MCWRA is the rights holder, given that the District is requesting the change, the San Luis Obispo County Public Works’ Environmental Division completed Addendum No. 5 to the FEIR for the NWP under the assumption that the District would serve as the lead agency and the MCWRA and State would serve as responsible agencies under CEQA. Addendum No. 5 addresses the proposed action and documents that removal of the net area limits will not result in substantial changes in the NWP. More specifically, the document states that the change will not result in an increase in District use of Nacimiento water, an increase in NWP Participants, or a change in the beneficial uses of the water. It also finds that there are no substantial changes in circumstances that have occurred since the FEIR and previous addendums were certified. Changes to the CEQA Guidelines that have been implemented since the FEIR was certified in 2003 have been considered and do not result in the identification of new or more significant impacts. Furthermore, the Environmental Division has not identified any new information of substantial importance that would result in the potential for significant effects not previously considered, or an increase in the severity of significant effects identified, in the FEIR and addendums.

The District is considering staff’s recommendation at the March 16, 2021 San Luis Obispo County, Board of Supervisors meeting. If they approve staff’s recommendation, the Director of Public Works or designee will request the MCWRA to file petitions with the State Board as described above and will coordinate with the MCWRA and State Board as needed to process the change petition for updates concerning the place of use for Nacimiento water in SLO County.

Incidental Power Generation:

The Agency also holds Permit 19940 (Application 26901) for direct diversion for non-consumptive power generation. The Agency fulfilled its CEQA requirements through a Negative Declaration for the hydropower project in 1985, which identified the project did not have any significant effect on the environment. The Negative Declaration was accepted by the State Water Resources Control Board in its issuance of Permit 19940. Power generation is incidental to the MCWRA’s operations for other purposes and does not change the flow regime to the Nacimiento River, in accordance with terms 17 of Permit 19940. Therefore, for consistency purposes and to appropriately account for power generation under its water rights, the MCWRA requests the addition of incidental power generation

under its storage rights. This is consistent with direction by Division of Water Rights staff. Thus, the proposed purposes of use are: Municipal, Domestic, Industrial, Irrigation, Recreational, and Incidental Power Generation.

Over the past year MCWRA staff, legal counsel and engineering consultants have met informally with staff of the Division of Water Rights to discuss the Petitions and receive input from Division staff. This process has been productive in focusing and clarifying the various elements of the Petitions.

The MCWRA is requesting changes to its Nacimiento and San Antonio Reservoir water rights by separate Petitions to facilitate the MCWRA's Interlake Tunnel Project and Spillway Modification Project. The two sets of Petitions will be filed concurrently and will not result in any exceedances of the MCWRA's existing water right terms and conditions. Once the change petition packages are filed, the State Board will examine the proposed changes and environmental review documentation submitted and confirm that the petitions demonstrate a reasonable likelihood that the change will not injure any other legal users of the water supply, and that the petitions show the extent of any impacts to fish and wildlife. Then the State Board will complete an independent environmental review to consider the effect of the proposed changes on public trust resources and determine whether mitigation measures are needed, prior to its decision. If necessary, the State Board will issue a public notice of the right holder's intent to change and invite comment, and pending resolution of any protests, it will issue a decision approving or denying the petitions.

OTHER AGENCY INVOLVEMENT:

San Luis Obispo County Flood Control and Water Conservation District, San Luis Obispo County Public Works Department, State of California Division of Water Rights, County Counsel's Office, MCWRA Board of Directors

FINANCING:

Petition fees will be paid directly to the State of California, Division of Water Rights by San Luis Obispo County.

Prepared by: Shaunna Murray, Senior Water Resources Engineer, (831) 755-4860

Approved by: _____
Brent Buche, General Manager (831) 755-4860



Monterey County

Item No.

Board Report

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

Legistar File Number: WRAG 21-060

March 23, 2021

Introduced: 3/12/2021

Current Status: Agenda Ready

Version: 1

Matter Type: WR General Agenda

Consider approving and authorizing the General Manager of the Monterey County Water Resources Agency to execute and file with the State Water Resources Control Board, Division of Water Rights, two Petitions for Change of water rights License 7543 and Permit 21089 for consistency issues related to the Nacimiento Reservoir.

RECOMMENDATION:

It is recommended that the Monterey County Water Resources Agency Board of Supervisors:

Approve and authorize the General Manager of the Monterey County Water Resources Agency to execute and file with the State Water Resources Control Board, Division of Water Rights, two Petitions for Change of water rights License 7543 and Permit 21089 for consistency issues related to the Nacimiento Reservoir.

SUMMARY/DISCUSSION:

As a result of groundwater decline in the Salinas Valley and seawater intrusion near Monterey Bay, in the mid-1940s the Monterey County Board of Supervisors and State Department of Public Works conducted a joint investigation (results published in DWR Bulletin 52) and recommended surface water storage on the Salinas River system. The predecessor to the Monterey County Water Resources Agency (MCWRA) elected to construct Nacimiento Reservoir and San Antonio Reservoir to meet the existing and future demands of the Salinas Valley, and filed water right applications for each (in 1954 and 1955, respectively). To resolve protests by the San Luis Obispo County Flood Control and Water Conservation District, the two entities negotiated an agreement dated October 19, 1959, which assures the San Luis Obispo County Flood Control and Water Conservation District (District) a 17,500 acre-foot water supply from Nacimiento Reservoir.

Under California law, the holder of a post-1914 appropriative water right must obtain the approval of the State Water Resources Control Board (SWRCB) before changing certain elements of the water right including the place of use, purpose of use, point of diversion, point of re-diversion, etc. This process is initiated by the filing of a "Petition for Change." The filing of a Petition for Change commences a regulatory process whereby the SWRCB's Division of Water Rights first reviews the Petition for adequacy and then issues a notice of the Petition, affording interested parties an opportunity to protest or otherwise comment on the Petition. If protests are not resolved, the Petition may be set for an adjudicative hearing after which the SWRCB issues a final order on the Petition. While the timeframe for final disposition of a Petition for Change varies, the regulatory process typically requires 3 years or more to complete.

MCWRA holds various post-1914 appropriative water rights for Nacimiento and San Antonio Reservoirs. The operations of Nacimiento and San Antonio Reservoirs are closely coordinated to meet downstream flow requirements and water demand in the Salinas Valley, including the operation of a downstream point of rediversion, located approximately 100 miles downstream from the confluence of Salinas River and San Antonio River, and approximately 5 miles upstream from the ocean. The place of use for the water rights includes MCWRA's Zone 2C, as well as areas within San Luis Obispo County pursuant to a 1959 Settlement Agreement between Monterey County and San Luis Obispo County.

MCWRA has previously obtained approvals from the SWRCB to change its water rights. Most recently, MCWRA petitioned the SWRCB to change its water rights in connection with the Salinas River Diversion Facility (SRDF). That change proceeding, which culminated in 2010, resulted in extensive amendments to MCWRA's water rights including the addition of new flow requirements for fish protection purposes. Through closer investigation the MCWRA has identified corrections to the place of use under these rights, which it wishes to make for consistency. Also, for consistency purposes and to appropriately account for power generation under its water rights, the MCWRA requests the addition of incidental power generation to the purpose of use under the License 7543 and Permit 21089.

The MCWRA proposes to file two Petitions for Change to correct the place of use descriptions and add incidental power generation to the purpose of use under License 7543 and Permit 21089 for Nacimiento Reservoir. Following is a brief summary of the proposed changes:

Place of Use

The MCWRA has previously requested changes to its water rights for various projects and changes to the places of use, including to add San Luis Obispo County Flood Control and Water Conservation District to the place of use at the direction of the State Water Resources Control Board. This addition was made once the reservoir projects were built pursuant to the 1959 Agreement. Subsequently, there have been multiple changes and corrections to the net and gross boundaries for the place of use within the MCWRA and within San Luis Obispo County as their service and assessment areas have changed over time. The current Place of Use identifies three areas: (1) 200,000 acres net within a gross area of 240,000 acres in Monterey County; (2) 500 acres of irrigated agriculture and 7,000 acres of urban and suburban lands within the San Luis Obispo County Flood Control and Water Conservation District as shown on a map dated June 8, 1967; and (3) 421,425 acres comprising Monterey County Water Resources Agency (MCWRA) Zone 2C as shown on map dated August 14, 2008, all filed with the State Water Board.

The place of use identified under item (1) is no longer relevant, as it is encompassed by item (3). Therefore, it is being requested to remove (1) from the description. Also, it is requested to adjust the language in Item (2) regarding San Luis Obispo County. The proposed place of use is to eliminate the current net acreage limitations of 500 acres of irrigated agriculture and 7,000 acres of urban and suburban lands use but keep the gross limitation of the District's exterior boundary.

In 2003, the District completed the Nacimiento Project Final Environmental Impact Report (FEIR), and by 2011 the Nacimiento Water Project (NWP) was delivering supplemental water within San

Luis Obispo County. The NWP is owned and operated by the District and serves seven participating agencies (Participants) that include the cities of Paso Robles and San Luis Obispo, Templeton Community Services District, Atascadero Mutual Water Company, SMR Mutual Water Company, County Service Area 10A, and Bella Vista Mobile Home Park (Attachment 1).

Currently, District NWP operations deliver water to service areas within the gross limitation, but the Participant service areas, in total, exceed the net limitation for “urban/suburban” use. To provide the District and Participants with greater flexibility for managing the water supply, District staff recommended that the District request that the MCWRA file petitions with the State Board to remove the current net area limits of 7,000 acres for urban and suburban use and 500 acres for irrigated agricultural use. If granted, the change would not modify the service area of the Participants, number of Participants, the total volume of water that can be withdrawn under the MCWRA’s License 7543 or Permit 21089 or the volume that the District can use from Nacimiento Reservoir.

CEQA Determination

Although the MCWRA is the rights holder, given that the District is requesting the change, the San Luis Obispo County Public Works’ Environmental Division completed Addendum No. 5 to the FEIR for the NWP under the assumption that the District would serve as the lead agency and the MCWRA and State would serve as responsible agencies under CEQA. Addendum No. 5 addresses the proposed action and documents that removal of the net area limits will not result in substantial changes in the NWP. More specifically, the document states that the change will not result in an increase in District use of Nacimiento water, an increase in NWP Participants, or a change in the beneficial uses of the water. It also finds that there are no substantial changes in circumstances that have occurred since the FEIR and previous addendums were certified. Changes to the CEQA Guidelines that have been implemented since the FEIR was certified in 2003 have been considered and do not result in the identification of new or more significant impacts. Furthermore, the Environmental Division has not identified any new information of substantial importance that would result in the potential for significant effects not previously considered, or an increase in the severity of significant effects identified, in the FEIR and addendums.

The District is considering staff’s recommendation at the March 16, 2021 San Luis Obispo County, Board of Supervisors meeting. If they approve staff’s recommendation, the Director of Public Works or designee will request the MCWRA to file petitions with the State Board as described above and will coordinate with the MCWRA and State Board as needed to process the change petition for updates concerning the place of use for Nacimiento water in SLO County.

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OTHER AGENCY INVOLVEMENT:

San Luis Obispo County Flood Control and Water Conservation District, San Luis Obispo County Public Works Department, State of California Division of Water Rights, County Counsel's Office, MCWRA Board of Directors

FINANCING:

Petition fees will be paid directly to the State of California, Division of Water Rights by San Luis Obispo County.

Prepared by: Shaunna Murray, Senior Water Resources Engineer, (831) 755-4860

Approved by: _____


Brent Buche, General Manager (831) 755-4860



Monterey County

Item No.3

Board Report

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

Legistar File Number: WRAG 21-061

March 23, 2021

Introduced: 3/16/2021

Current Status: Scheduled PM

Version: 1

Matter Type: WR General Agenda

Consider receiving the Monterey County Water Resources Agency 2021 First Quarter Report.

RECOMMENDATION:

It is recommended that the Monterey County Water Resources Agency Board of Supervisors:

Receive the Monterey County Water Resources Agency 2021 First Quarter Report.

SUMMARY/DISCUSSION:

Per the Monterey County Water Resources Agency Act, Section 73, paragraph (b), the Monterey County Water Resources Agency is required to provide a quarterly report to the Monterey County Water Resources Agency Board of Supervisors and the Monterey County Water Resources Agency Board of Directors. This report highlights the progress of some of the Agency's priority programs.

OTHER AGENCY INVOLVEMENT:

There is no other agency involvement in creating this report.

FINANCING:

There is no financial impact in receiving this report.

Prepared and approved by:

Brent Buche, General Manager, (831) 755-4860

Attachments:

2021 First Quarter Report



Monterey County

Item No.

Board Report

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

Legistar File Number: WRAG 21-061

March 23, 2021

Introduced: 3/16/2021

Current Status: Agenda Ready

Version: 1

Matter Type: WR General Agenda

Consider receiving the Monterey County Water Resources Agency 2021 First Quarter Report.

RECOMMENDATION:

It is recommended that the Monterey County Water Resources Agency Board of Supervisors:

Receive the Monterey County Water Resources Agency 2021 First Quarter Report.

SUMMARY/DISCUSSION:

Per the Monterey County Water Resources Agency Act, Section 73, paragraph (b), the Monterey County Water Resources Agency is required to provide a quarterly report to the Monterey County Water Resources Agency Board of Supervisors and the Monterey County Water Resources Agency Board of Directors. This report highlights the progress of some of the Agency's priority programs.

OTHER AGENCY INVOLVEMENT:

There is no other agency involvement in creating this report.

FINANCING:

There is no financial impact in receiving this report.

Prepared and approved by:

A blue ink signature of Brent Buche, General Manager.

Brent Buche, General Manager, (831) 755-4860

Attachments:

2021 First Quarter Report

BOARD OF DIRECTORS

JOHN BAILLIE, CHAIR

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ELIZABETH KRAFFT, DEPUTY GENERAL MANAGER
KELLY DONLON, DEPUTY COUNTY COUNSEL**

MONTEREY COUNTY WATER RESOURCES AGENCY 2021 FIRST QUARTER REPORT



SUBMITTED TO

**MONTEREY COUNTY WATER RESOURCES AGENCY
BOARD OF SUPERVISORS
AND
BOARD OF DIRECTORS**

MARCH 2021

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MCWRA Briefing Report: 2019 Groundwater Extraction Summary Report

March 2021

Subject: 2019 Groundwater Extraction Summary Report

Current Status:

Agency Staff has finalized the 2019 Groundwater Extraction Summary Report. This report includes extraction data from November 2018 to October 2019 for agricultural wells, and January 2019 to December 2019 for urban wells. Agricultural and Urban water conservation information is also included, detailing how water was used in 2019 and the best management practices that are being implemented for 2020. Reporting compliance for groundwater extraction forms was 95% in the 2019 reporting year.

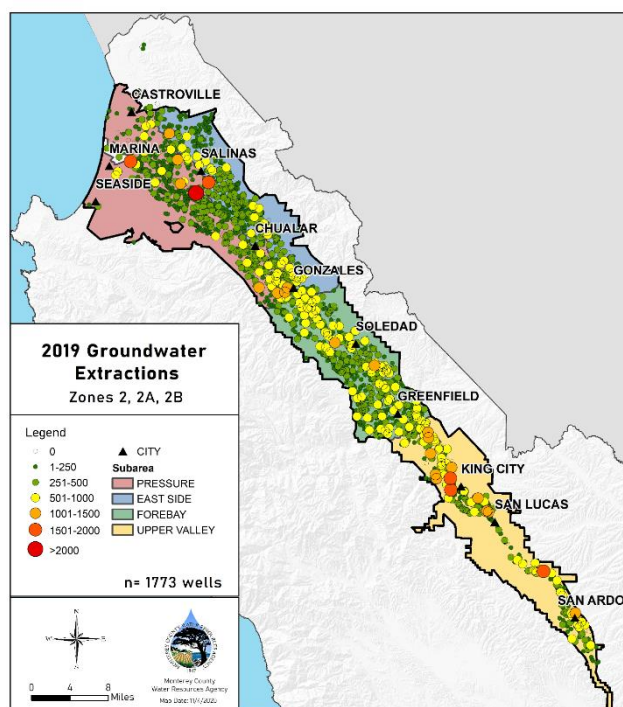
Total extractions in 2019 reporting year were 450,423 acre-feet, 91.2% from agricultural wells and 8.8% from urban wells. 24.3% of total extractions were from wells in the Pressure subarea, 19.0% from wells in the East Side subarea, 29.3% from wells in the Forebay subarea and 27.3% from wells in the Upper Valley subarea. The Pressure subarea reported a similar volume in 2019 as what was extracted in 2018 (0.41% increase), while the other subareas saw a decline in the amount extracted (4.1% decrease in the East Side subarea; 9.7% decrease in the Forebay subarea; 5.7% decrease in the Upper Valley subarea). Extractions from the Deep Aquifers continued to rise in 2019 to 10,347 acre-feet (7.2% increase from 2018). The full 2019 Groundwater Extraction Summary Report can be viewed on the Agency's website: <https://www.co.monterey.ca.us/government/government-links/water-resources-agency/programs/groundwater-extractions-gems>

History:

Since 1993, Agency staff has collected groundwater extraction data from wells within Agency Zones 2, 2A and 2B that have a discharge pipe with an inside diameter of at least three inches (Ordinances 3663 and 3717). The Agency has required the annual submittal of agricultural water conservation plans since 1991 (Ordinance 3851) and urban water conservation plans since 1996 (Ordinance 3886).

Next Steps:

The 2020 Groundwater Extraction data collection period has recently ended. Agency staff will begin reviewing the data and preparing the 2020 Groundwater Extraction Summary Report.





MCWRA Briefing Report: 2020 Groundwater Level Contours

March 2021

Subject: 2020 Groundwater Level Contours

Current Status:

Agency staff conducted the 2020 August Trough groundwater level survey, sampling 155 wells between Chualar and the coast on August 30th, 2020. Contours from this event show that the groundwater level gradient near the coast hasn't changed from the 2019 contours, but further inland, groundwater levels are slightly lower than in 2019.

The 2020 Fall groundwater level survey was conducted by Agency staff from mid-November through December, sampling approximately 480 wells throughout the entire Salinas Valley. Contours from this event show that, similar to the August event, the groundwater level gradient near the coast hasn't changed since 2019. Further inland, groundwater levels in the 400-Ft and East Side Deep aquifers were slightly lower than they were in 2019. The extent of the East Side trough widened to the south. Groundwater levels in the 180-Ft, Forebay and Upper Valley aquifers were similar to where levels were in 2019.

The August and Fall groundwater level contours can be viewed on the Agency's website: <https://www.co.monterey.ca.us/government/government-links/water-resources-agency/documents/groundwater-elevation-contours>

History:

On a single day in August, Agency staff conducts an intensive groundwater level survey from Chualar to the coast to obtain a snapshot of groundwater conditions within and beyond the seawater intrusion front. One of the key purposes of the survey is to monitor and assess the forces driving seawater intrusion, in particular groundwater level gradients sloping inland from the coast, which are most pronounced in August when the aquifers are most stressed by pumping.

In the latter part of each fall, from mid-November to December, the Agency samples groundwater levels in approximately 480 wells throughout the entire Salinas Valley. The timing of this survey captures conditions in the groundwater basin when a lull in agricultural pumping allows groundwater level troughs to relax, prior to the influence of seasonal recharge in response to winter/spring precipitation. In this way, the annual Fall survey of groundwater levels is an assessment of the relative, year-to-year change in groundwater storage throughout the valley.

Historically, Agency staff has generated groundwater level contours in odd years. Due to improvements in methodology, adequate staffing, and the Salinas Valley Basin Groundwater Sustainability Agency's inclusion of groundwater elevation contours in their annual summary reports, Staff is moving towards contouring every year, instead of just odd years.

Next Steps:

Agency staff will continue with ongoing groundwater data collection programs to monitor the health of the groundwater basin.



MCWRA Briefing Report: 2020 Seawater Intrusion Contours

March 2021

Subject: 2020 Seawater Intrusion Contours

Current Status:

Each summer, Agency staff samples approximately 120 agricultural, urban purveyor, and small diameter groundwater monitoring wells in the coastal area of the northern Salinas Valley. Water quality samples are collected from the agricultural and urban wells twice, once in June and again in August. The Agency's network of small diameter monitoring wells are sampled once in September.

Samples are analyzed by the County's Consolidated Chemistry Lab (ELAP # 1395). The data are then evaluated with several geochemical tools and seawater intrusion (SWI) contours are developed using an ArcMap interpolation tool and supporting data from several other Agency Programs. The new polygons are then added to the Historical SWI maps, these can be viewed on the Agency's website: <https://www.co.monterey.ca.us/government/government-links/water-resources-agency/programs/seawater-intrusion-monitoring>

In 2020 the 500 mg/L or greater chloride areas show a small amount of advancement along the southern-most lobe in the 180-Foot Aquifer.

Within the 400-Foot Aquifer, the 500 mg/L or greater chloride areas also advanced a small amount in the northern most lobe, near Castroville. Additionally, two of the "islands" in front of the main contours, the middle one and the large southern one, joined. This occurred in the area of Nashua and Cooper Roads.

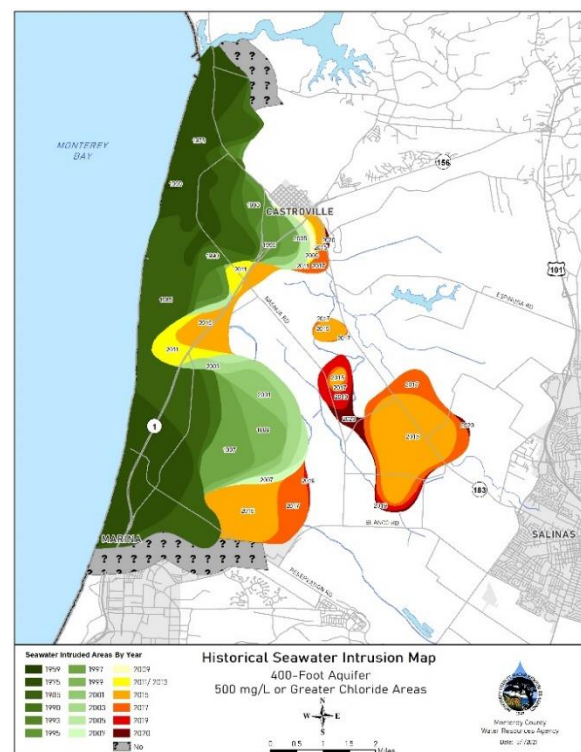
History:

Seawater intrusion contours as defined by 500 mg/L chloride concentration have been mapped since 1944 for the 180-Foot Aquifer and since 1959 for the 400-Foot Aquifer.

Historically, Agency staff has generated groundwater level contours in odd years. Due to improvements in methodology, adequate staffing, and the Salinas Valley Basin Groundwater Sustainability Agency's inclusion of seawater intrusion contours in their annual summary reports, Staff is moving towards contouring every year, instead of just odd years.

Next Steps:

Agency staff will continue with ongoing groundwater quality collection programs to monitor the health of the groundwater basin.





MCWRA Briefing Report: BOAT DOCK PROGRAM

March 2021

Subject: Boat Dock Program

Current Status:

The Monterey County Water Resources Agency (MCWRA) has modernized the Boat Dock Licensing Program by overhauling the intake and payment process. MCWRA staff worked with the Information Technology Department (ITD) to develop an online registration portal that went live at the beginning of February 2021. The portal will enhance and streamline the payment and registration process for dock owners and will assist in improving the current payment tracking and record keeping on the administrative side.

History:

MCWRA provides Boat Dock Licensing Program administration to support the use of floating boat docks by recreational users at Nacimiento Reservoir. MCWRA administers the licensing and inspection program to mitigate hazardous conditions which may arise from docks, and other floating structures, being placed on the Reservoir surface.

Next Steps:

Agency staff will further utilize the online registration portal to evaluate past due payments and other out of compliance items.



MCWRA Briefing Report: Computerized Maintenance Management System (CMMS)

March 2021

Subject: Computerized Maintenance Management System (CMMS)

Current Status:

Staff is evaluating computerized maintenance management system (CMMS) software alternatives.

History:

In 2020, the Agency initiated research on CMMS software for its asset, scheduling, and preventive management program. Since, staff has received vendor demonstrations on the CMMS software (Lucity), this software is used by many wastewater and utility agencies with functions more specific to wastewater agencies. At the recommendation of the County's Information Technology Department (ITD), the Agency is working with ITD staff to create a GIS-based mobile application tailored for field asset maintenance activities. The mobile application will be used in conjunction or integrated with the Agency's future CMMS system.

Next Steps:

- Design and test GIS mobile application.
- Finalize CMMS software assessments.
- Select CMMS software.
- Purchase CMMS software.
- Implement CMMS.



MCWRA Briefing Report: Nacimiento and San Antonio Dams

March 2021

Subject: Nacimiento and San Antonio Dams

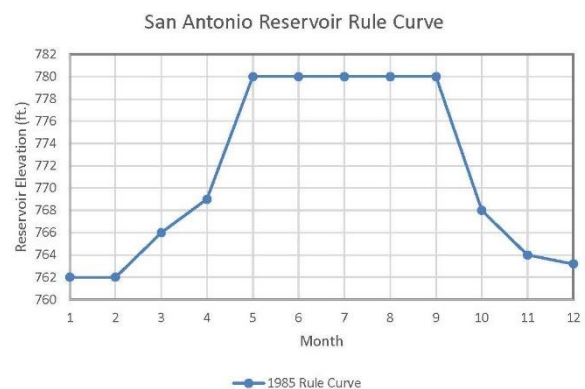
Current Status: Nacimiento Dam

From known information and visual inspection, the dam and appurtenant structures are judged to be in satisfactory condition for continued operation. Spillway operation is recommended per Item 6 below due to severe plunge pool erosion. Ongoing monitoring, inspection and maintenance is required for continued safe operations.

1. Two low-level outlet valves were replaced in Spring 2020; Four of six outlets are fully operational; Two additional new valves will be purchased this Fiscal Year for replacement of two old valves when reservoir release conditions allow.
2. Work on obtaining an updated seismic stability analysis is underway. In-situ material properties will be obtained via drilling and sampling for use in the analysis. DSOD and FERC approval of the Drilling Plan is being obtained. Drilling/sampling is estimated to begin May/June 2021. A final seismic analysis report is estimated to be completed early 2022.
3. A multi-year spillway repair program begun in 2017 continued in Fall 2020 with removal and replacement of delaminated concrete and crack repair. This work is planned to continue in Fall 2021.
4. Design is underway for removal and replacement of a portion of spillway concrete chute slab due to voids discovered under it. DSOD and FERC approval of the design is required. This is a larger repair project separate from the multi-year spillway repair program. Construction is targeted for Fall 2021.
5. A draft preliminary analysis identifying spillway plunge pool erosion repair alternatives is under staff review. A report will be brought to the Agency Board of Directors as soon as possible.
6. On-site inspections, review of 2017 flow behavior, geologic reports, topographic data and modeling studies lead staff to conclude the following for spillway operations for Winter 2020-2021:
 - (a) Initial maximum spillway flow of 3,000 cfs for up to 24 hrs, then shut-down spillway operations for inspection (estimated ± 4 hrs);
 - (b) Adjust maximum spillway flow based on inspection findings;
 - (c) Closely monitor plunge pool during spillway operations;
 - (d) Shut-down spillway operation at least once per week for inspection;
 - (e) Manage reservoir releases to remain under 6,000 cfs spillway flow.

Current Status: San Antonio Dam

From known information and visual inspection, the dam and appurtenant structures (other than the spillway) are judged to be in satisfactory condition for continued operation. The spillway is in poor condition and unsafe for use under high flow conditions. DSOD has directed the Agency to complete major rehabilitation or full replacement of the spillway by Nov 1, 2024. Temporary reservoir operation is recommended per 1985 rule curve that modeled no spill events (at right) to avoid/minimize spillway use until it becomes fully operational. Ongoing monitoring, inspection and maintenance is required for continued safe operations.



1. Exploration of spillway concrete and foundation conditions will be performed to inform spillway rehabilitation/replacement alternatives. Exploration plan is submitted to DSOD for approval.
2. Design of a horizontal drain repair is underway. DSOD design approval is required. Construction schedule is to be determined.
3. \$105,000 is set aside annually to reline the downstream half of 84-inch low level conduit in 2026. Other needed repairs that are not yet budgeted include:
 4. Low level conduit intake trash rack replacement.
 5. Install access hatches in low level conduit for safe maintenance and relining access.
 6. Low level intake structure bulkhead gate maintenance.