

**MONTEREY COUNTY WATER RESOURCES AGENCY
BOARD OF DIRECTORS
BASIN MANAGEMENT ADVISORY COMMITTEE**

COMMITTEE MEMBERS

Richard Ortiz, Chair
Deidre Sullivan
John Baillie
David Bunn
Dennis Sites

Kevin Piearcy
Bill Lipe
Amy White
Harold Wolgamott
Vacant, Public Member

TIME: 8:30 a.m.
DATE: Wednesday, June 5, 2019
PLACE: 1441 Schilling Place
Saffron Room, 1st Floor
Salinas, CA 93901
(831) 755-4860

AGENDA

- 1. Call to Order**
- 2. Public Comment**
(Limited to three (3) minutes per speaker on matters within the jurisdiction of the Agency not listed on this agenda. The public will have the opportunity to ask questions and make statements on agenda items as the Committee considers them.)
- 3. Approve Minutes of the Meeting held on April 3, 2019.**
The Committee will consider approval of the Minutes of the above-mentioned meeting.
- 4. Receive an update on well permit application activities.**
- 5. Receive an update on groundwater sustainability agency activities in the Salinas Valley Basin.**
- 6. Receive an update on the Salinas Valley Integrated Hydrologic Model.**
- 7. Receive an update on the Integrated Coastal Monitoring Plan for the Monterey Peninsula Water Supply Project.**
- 8. Receive an update on committee member status and vacancies of the Basin Management Advisory Committee.**
- 9. Receive a report on long-term groundwater level trends in the Salinas Valley.**

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

The Committee will determine details for its next meeting. The first Wednesday of July falls on the 3rd.

11. Adjournment

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TIME: 8:30 a.m.
DATE: Wednesday, April 3, 2019
PLACE: 1441 Schilling Place, Saffron Room
Salinas, CA 93901

MINUTES

1. Call to Order @ 8:32 a.m.

Members Present: Ortiz, Sullivan (arrived at 8:36), Baillie, Bunn (arrived at 8:46), Sites, Piearcy, Lipe
Members Absent: None

2. Public Comment: None

3. Approve the Minutes of the meeting held on February 6, 2019.

Committee Action: On Motion and Second by Lipe and Sites respectively, the Committee approved the Minutes of the Basin Management Advisory Committee meeting held on February 6, 2019.

4. Receive an update on well permit application activities.

Peter Kwiek, Hydrologist, provided the update.

5. Receive an update on Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) activities.

Howard Franklin, Senior Water Resources Hydrologist, provided the update.

6. Receive an update on committee member status and vacancies of the Basin Management Advisory Committee.

Howard Franklin, Senior Water Resources Hydrologist, provided the update.

7. Review Basin Management Advisory Committee activities for integration into Monterey County Water Resources Agency Bylaws, Section IV, Committees.

Howard Franklin, Senior Water Resources Hydrologist, provided the review.

8. Receive a report on long-term groundwater level trends in the Salinas Valley.

Peter Kwiek, Hydrologist, provided the report.

9. Receive an update on groundwater extractions in the Deep Aquifers.

Tam Voss, Associate Water Resources Hydrologist, provided the update.

10. Receive an update on the Salinas Valley Integrated Hydrologic Model.

Howard Franklin, Senior Water Resources Hydrologist, provided the update.

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

The next Committee Meeting will be on May 1, 2019. Future agenda items are changing the Bi-laws to reduce the number of Vacant Public Member seats on the Committee, defining if Public Members need to reside in Monterey County, changing the definition of quorum in the Bi-laws, Well Application follow-up information, and providing a full work-up of water quality.

12. Adjournment

Meeting was adjourned at 10:13 a.m.

Submitted by Misti Muramatsu

Agenda Item #4

Receive an update on well permit application activities

RECOMMENDATION:

It is recommended that the Monterey County Water Resources Agency Basin Management Advisory Committee: receive an update on well permit application activities

SUMMARY/DISCUSSION:

The Well Permit Application Process is regulated by the Environmental Health Bureau (EHB) and the Agency provides technical support to EHB. Adoption of the 2010 County General Plan resulted in the addition of well impact assessments to the well permit review process.

The attached table provides a summation of well permit applications evaluated by Agency staff for compliance with 2010 Monterey County General Plan policies PS-3.3 (domestic wells) or PS-3.4 (high capacity wells), categorized by type of well impact assessment and Salinas Valley subbasin. This table is provided to the Board of Directors and Basin Management Advisory Committee on a monthly basis.

In response to requests from the Board of Directors regarding data about construction of wells in the Deep Aquifers, Staff has also included a chart depicting the history of well installation in the Deep Aquifers (Figure). This chart, which includes both production and monitoring wells, indicates that a total of forty-seven (47) wells have been installed in the Deep Aquifers since 1974, with sixteen (16) of those wells being constructed in the last ten years.

Applications have been filed for seven (7) additional wells including two (2) new monitoring wells in the Deep Aquifers, but construction has not been completed as of the date of this report. Two (2) of the seven (7) proposed wells in the Deep Aquifers have been applied for as “replacement wells” under provisions of interim Ordinance No. 5302, which was passed by the Board of Supervisors and adopted on May 22, 2018.

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

None

Prepared by: Nicole Koerth, Water Resources Technician, (831) 755-4860
Peter Kwiek, Hydrologist, (831) 755-4860
Howard Franklin, Senior Hydrologist, (831) 755-4860

Attachments:

Table - Summary of Well Impact Evaluations

Figure - Timeline of Well Installation in the Deep Aquifers

Summary of Well Impact Evaluations Conducted per 2010 Monterey County General Plan

Domestic Wells

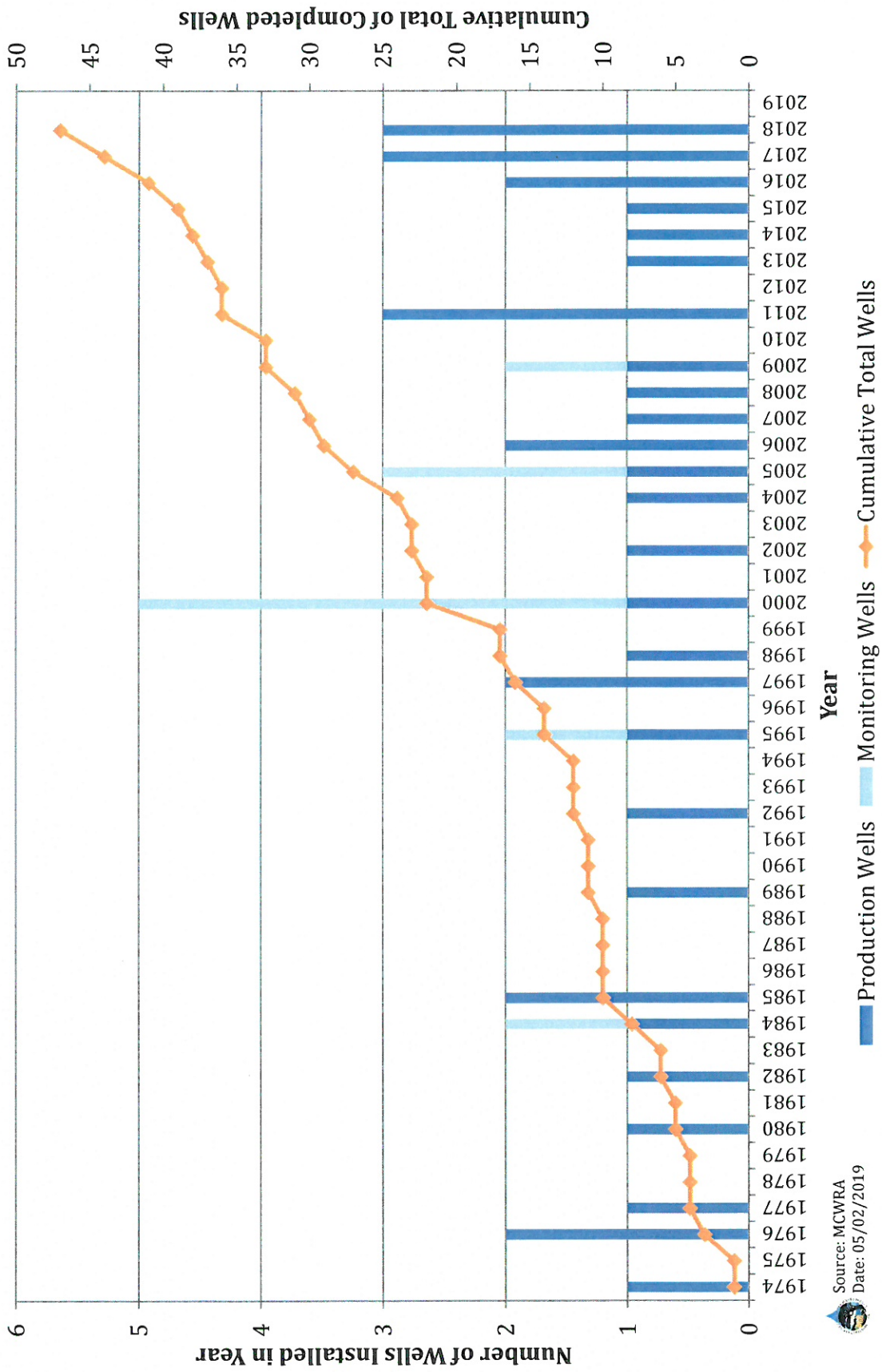
<i>Evaluation Outcome</i>	Pressure	East Side	Forebay	Upper Valley	Outside Zone 2C	TOTAL
Coastal Zone or City (General Plan n/a).	2	1	1	0	15	19
No potential impact.	8	18	13	6	180	225
Potential impact; acceptable mitigation proposed.	0	0	0	0	2	2
Repair (exempt).	0	2	0	0	2	4
Replacement (exempt).	3	8	2	2	10	25
TOTAL	13	29	16	8	209	275
<i>Subarea Total as Percentage</i>	5%	11%	6%	3%	76%	

High Capacity Wells

<i>Evaluation Outcome</i>	Pressure	East Side	Forebay	Upper Valley	Outside Zone 2C	TOTAL
Coastal Zone or City (General Plan n/a).	2	0	0	0	2	4
No potential impact.	25	37	26	20	14	122
Potential impact; acceptable mitigation proposed.	1	1	0	3	0	5
Repair (exempt).	2	0	1	2	0	5
Replacement (exempt).	17	6	6	19	0	48
TOTAL	47	44	33	44	16	184
<i>Subarea Total as Percentage</i>	26%	24%	18%	24%	9%	

Total Evaluations: To Date: 459 FY 18/19: 41 Report Date: 5/2/2019 Evaluations initiated November 2011.

Timeline of Well Installation in Deep Aquifers of the 180/400 Foot Aquifer Subbasin



Source: MCWRA
Date: 05/02/2019

Agenda Item #9

Receive report on long-term groundwater level trends in the Salinas Valley

RECOMMENDATION:

It is recommended that the Monterey County Water Resources Agency Basin Management Advisory Committee: receive a report on long-term groundwater level trends in the Salinas Valley.

SUMMARY/DISCUSSION:

Agency staff conducts a comprehensive basin-wide field data collection survey each fall to monitor annual changes in groundwater levels. Manual static water level measurements are acquired from early November to late December from approximately 440 wells in the Fall Monitoring Program. An additional twenty-three water level measurements are acquired from Agency-owned dedicated monitoring wells equipped with automatic pressure transducers and continuous high frequency programmable data loggers. The data collection survey is timed to capture groundwater levels after the irrigation season and before seasonal aquifer recharge by winter rains has begun to raise water levels. Fall groundwater levels are an indicator of year to year changes in storage, which reflect net annual recharge and withdrawals of groundwater.

To understand current data in the context of regional, historical trends, validated water level measurements from each well are compared to the previous year's measurement. These one-year differences in water levels are then combined into subarea average groundwater level changes, which are used to update the Agency's chart of Annual Groundwater Level Changes by Subarea. The chart is a cumulative graphical summary of groundwater storage changes and trends since 1944. Attachment A is the most recent update, reflecting groundwater level data collected from 1944 through 2018.

Groundwater extractions are among several factors that directly affect groundwater levels in the Salinas Valley. Attachment B shows both long-term groundwater level trends and annual groundwater extractions, including data through 2018.

OTHER AGENCY INVOLVEMENT:

None

FINANCING:

None

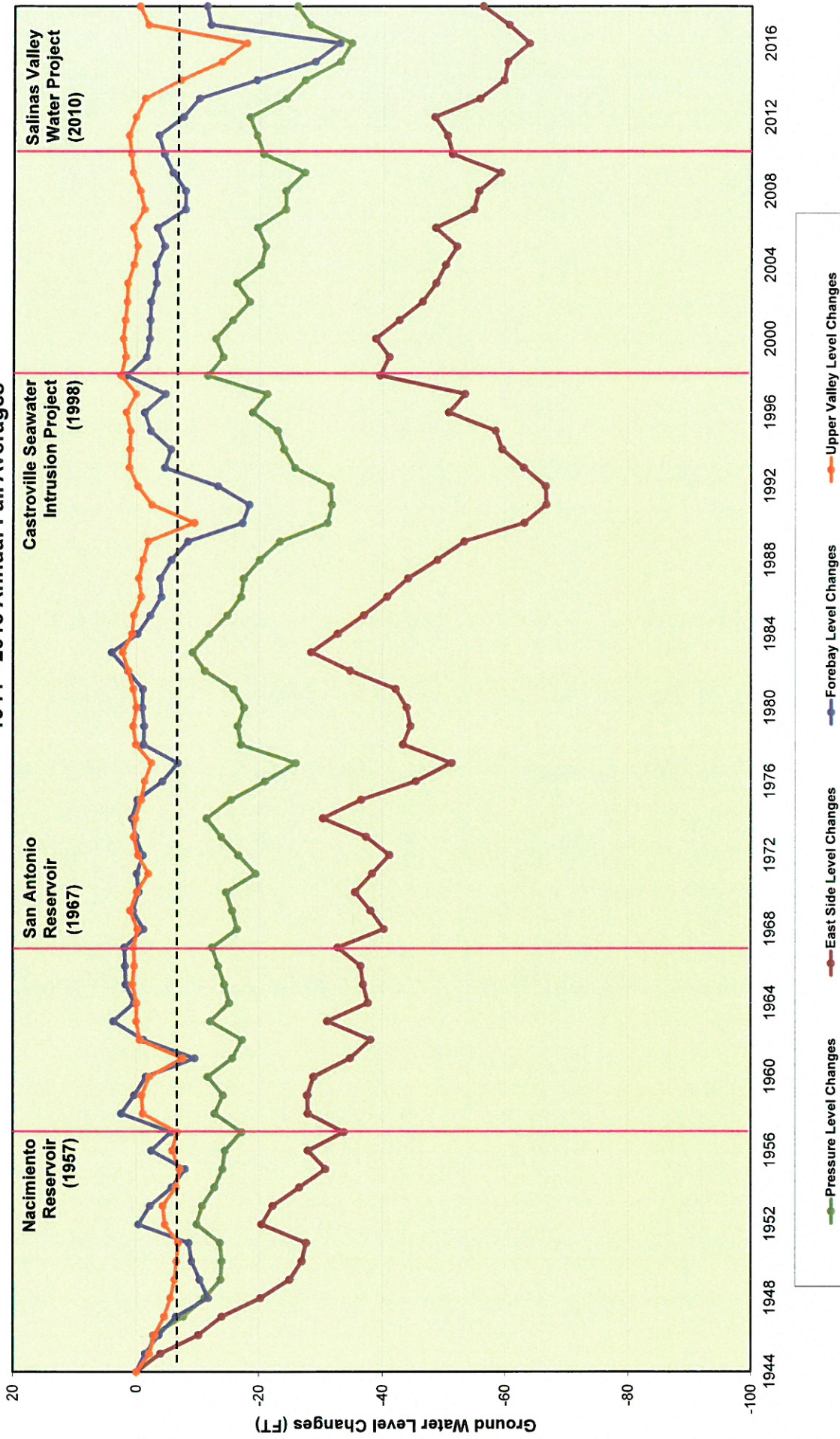
Prepared by: Nicole Koerth, Water Resources Technician, (831) 755-4860
Peter Kwiek, Hydrologist, (831) 755-4860

Attachments:

Attachment A – Chart showing Average Annual Groundwater Level Changes by Subarea

Attachment B – Chart showing Average Annual Groundwater Level Changes by Subarea with Groundwater Extractions.

Attachment A: Salinas Valley Groundwater Level Changes 1944 - 2018 Annual Fall Averages



Attachment B: Salinas Valley Average Annual Groundwater Level Changes by Subarea with Extractions

