



## Reports/Presentations

Item 17:

# Update on Aquifer Storage and Recovery Injection Operations – Water Year 2013 to Date

*Meeting Date: January 30, 2013*

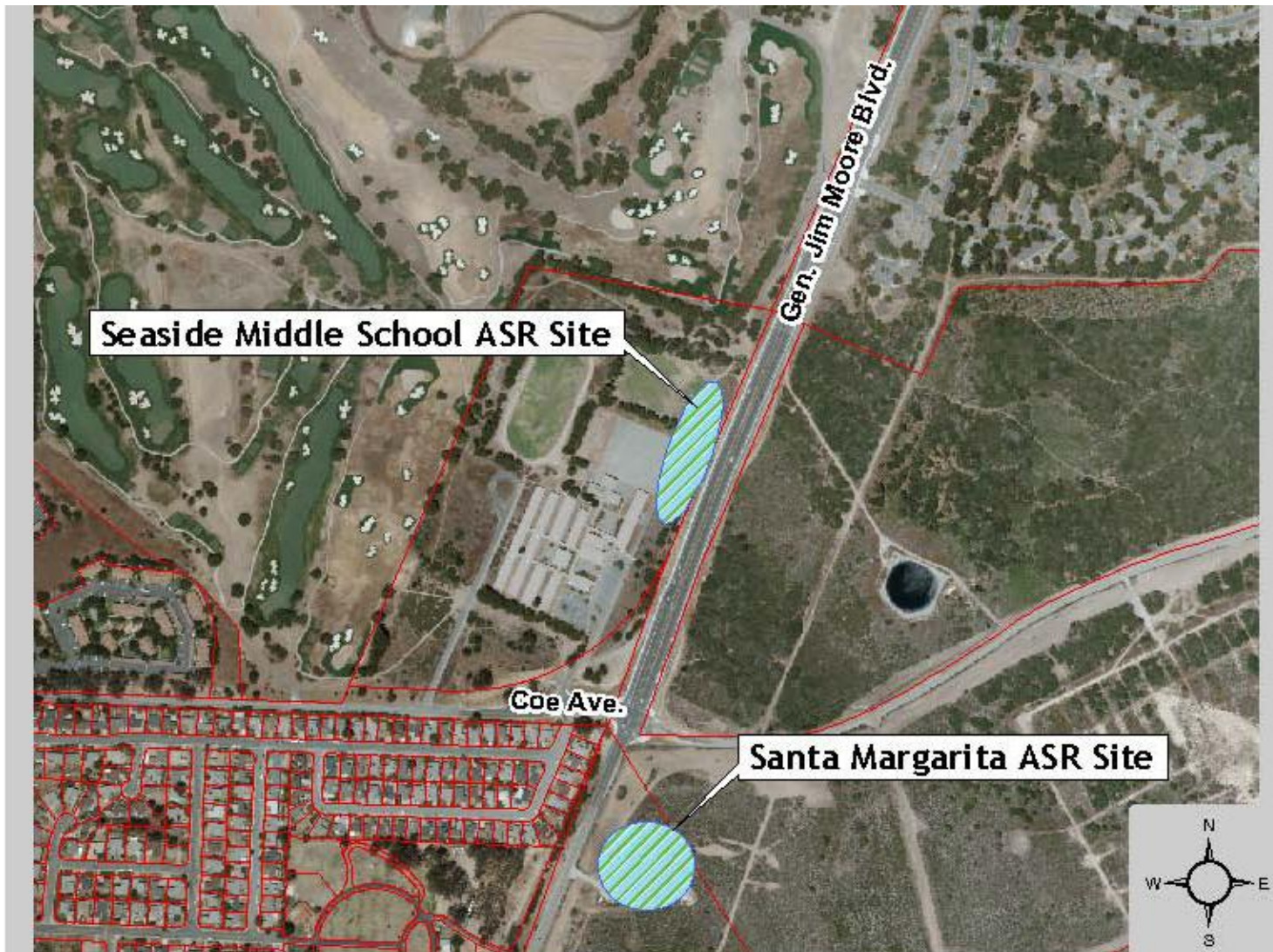
*Staff contact: Joe Oliver*

# ASR Project Concept

## Monterey Peninsula Water Resources System



# ASR Projects - Background

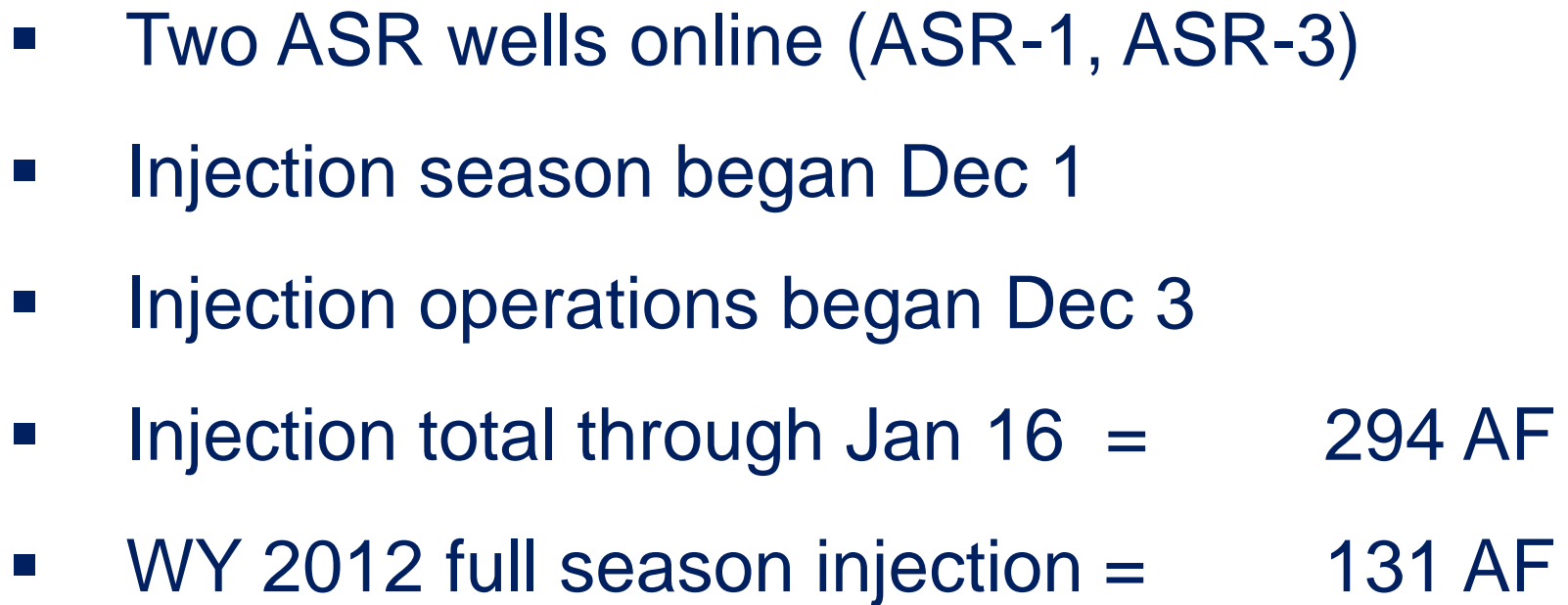


# ASR Projects - Background

- ASR Program began in WY 1998 and has injected a total of 4,477 AF into the Seaside Basin through end of WY 2012.
- Santa Margarita (Water Project 1) site began permanent operations under SWRCB permit 20808A in WY 2008.
- Seaside Middle School (Water Project 2) site began permanent operations under SWRCB permit 20808C in WY 2012.




# WY 2013 Operations To Date

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- Two ASR wells online (ASR-1, ASR-3)
  - Injection season began Dec 1
  - Injection operations began Dec 3
  - Injection total through Jan 16 = 294 AF
  - WY 2012 full season injection = 131 AF



# Actual vs. Potential Injection

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- Actual injection to date 294 AF
  - Potential with 2 wells maximized 449 AF
  - Potential with 3 wells maximized 660 AF
  - Potential with 4 wells maximized 958 AF

# Constraints to Maximizing Current ASR Operations

- Carmel River system well source capacity
- Municipal customer demands
- Pipeline conveyance capacity from Carmel River system to Seaside Basin
- Carmel River system treatment capacity



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