

From: Nancy Matsumoto [mailto:nmatsumoto@wrd.org]
Sent: Monday, November 15, 2010 7:43 AM
To: Groundwater Elevation Support
Cc: Ted Johnson; Robb Whitaker
Subject: Comments on Draft CASGEM Procedures for Monitoring Entity Reporting, Draft GW Elevation Monitoring Guidelines

Hello,

Per DWR's CASGEM Web Site information (copied below for reference), we have one question and one comment related to the draft documents:

-- What will the format be for online Monitoring Entity Notification? Our agency already notified DWR of our qualifications and interest in continued monitoring of the Central and West Coast Groundwater Basins, via letter dated 7/15/10 (attached for reference).

-- All but two of the dedicated nested monitoring wells in our basinwide network have a unique State Well Number, corresponding to each aquifer-specific well in a nested location. The two exceptions are our two Westbay monitoring wells, which have a single State Well Number per location. However, our agency maintains unique names for each of the zones screened by the Westbay wells, so that should be sufficient for water level data reporting purposes.

Thank you for the opportunity to comment on these draft documents.

-Nancy Matsumoto

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July 15, 2010

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Mark Cowin, Director
California Department of Water Resources
P.O. Box 942836, Room 1115-1
Sacramento, CA 94236-0001

Subject: SBx7 6 California Groundwater Elevation Monitoring Program –
Notification of Intent to Serve as Monitoring Entity for Central and West
Coast Groundwater Basins

Dear Director Cowin:

The Water Replenishment District of Southern California (WRD or the District) is a water replenishment district organized and existing under the provisions of the Water Replenishment District Act, California Water Code Sections 60000 *et seq.* WRD is authorized to manage and maintain the quantity and quality of groundwater supplies in the Central and West Coast Basins (CWCB) of southern Los Angeles County. The CWCB are two of the most utilized groundwater basins in California; WRD's service area encompasses 43 cities, approximately 4 million residents, and 420 square miles. **Figure 1.1** displays WRD's service area.

In order to meet its statutory responsibilities, WRD has instituted numerous projects and programs to effectively manage groundwater replenishment and groundwater quality in the CWCB. One of the District's key programs is its Regional Groundwater Monitoring Program (RGWMP). This program provides for the collection of basic information the District uses for groundwater basin management, including groundwater elevation data and water quality data. The RGWMP currently includes a network of approximately 250 nested monitoring wells owned by WRD at over 50 locations spaced throughout the District. Each nested monitoring well location contains monitoring wells screened across discrete (separate) aquifers to provide a more detailed, accurate understanding of the hydrogeology of the CWCB. **Figure 1.2** is a schematic showing the advantage of nested monitoring wells for aquifer-specific data. **Figure 1.3** shows the locations of existing and planned nested monitoring wells in the RGWMP.

Groundwater elevation data are collected from all of the RGWMP nested wells. Nearly all of the wells are monitored using installed dataloggers that record readings on a daily basis. Supplemental manual groundwater elevation data are collected by WRD staff at least four times per year. Groundwater quality samples are collected from the nested wells twice per year. On an annual basis, these groundwater elevation and groundwater quality data are incorporated into the District's Regional Groundwater Monitoring Report, which is distributed to groundwater stakeholders throughout the District and posted on the WRD Web Site (www.wrd.org).

In light of WRD's active role in monitoring groundwater elevations throughout the CWCB, WRD wishes to notify the Department of Water Resources of our intent to serve as the groundwater monitoring entity for these basins, in accordance with SBx7 6, California Groundwater Elevation Monitoring (enacted November 2009). We welcome collaboration with your agency on the particulars of providing our groundwater elevation data to you as part of the statewide monitoring initiative.

We appreciate the opportunity to serve as the groundwater elevation monitoring entity for the CWCB. Please let us know if you need additional materials to review, or if you have concluded your evaluation of our qualifications.

Sincerely,



Robb Whitaker, P.E.
General Manager
Water Replenishment District of Southern California

Attachments: Figure 1.1 – Water Replenishment District of Southern California Location Map
Figure 1.2 – Nested Wells vs. Production Wells for Aquifer-Specific Data
Figure 1.3 – Existing and Planned WRD Nested Monitoring Wells

cc: DWR Southern District – Mark Stuart

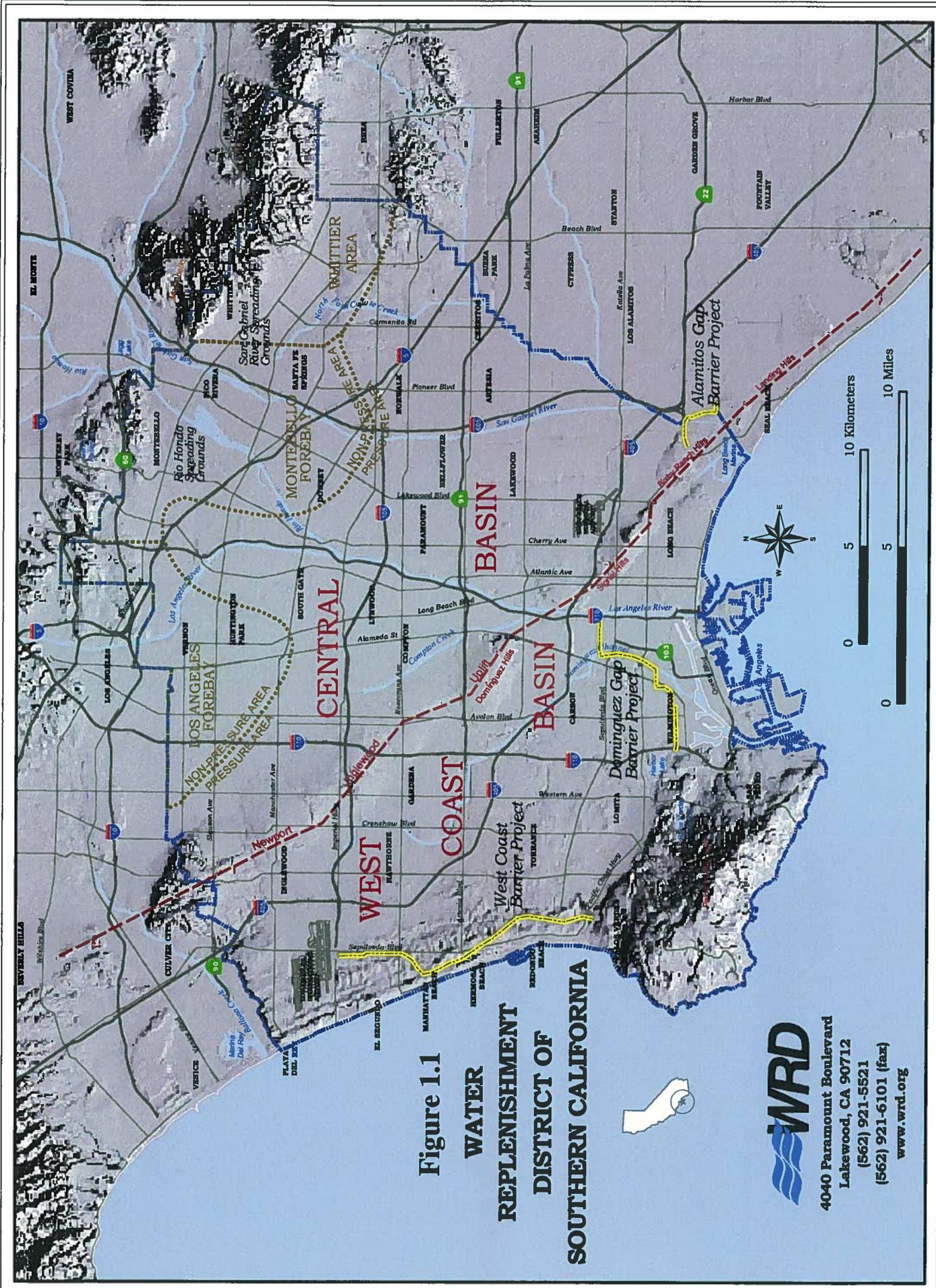


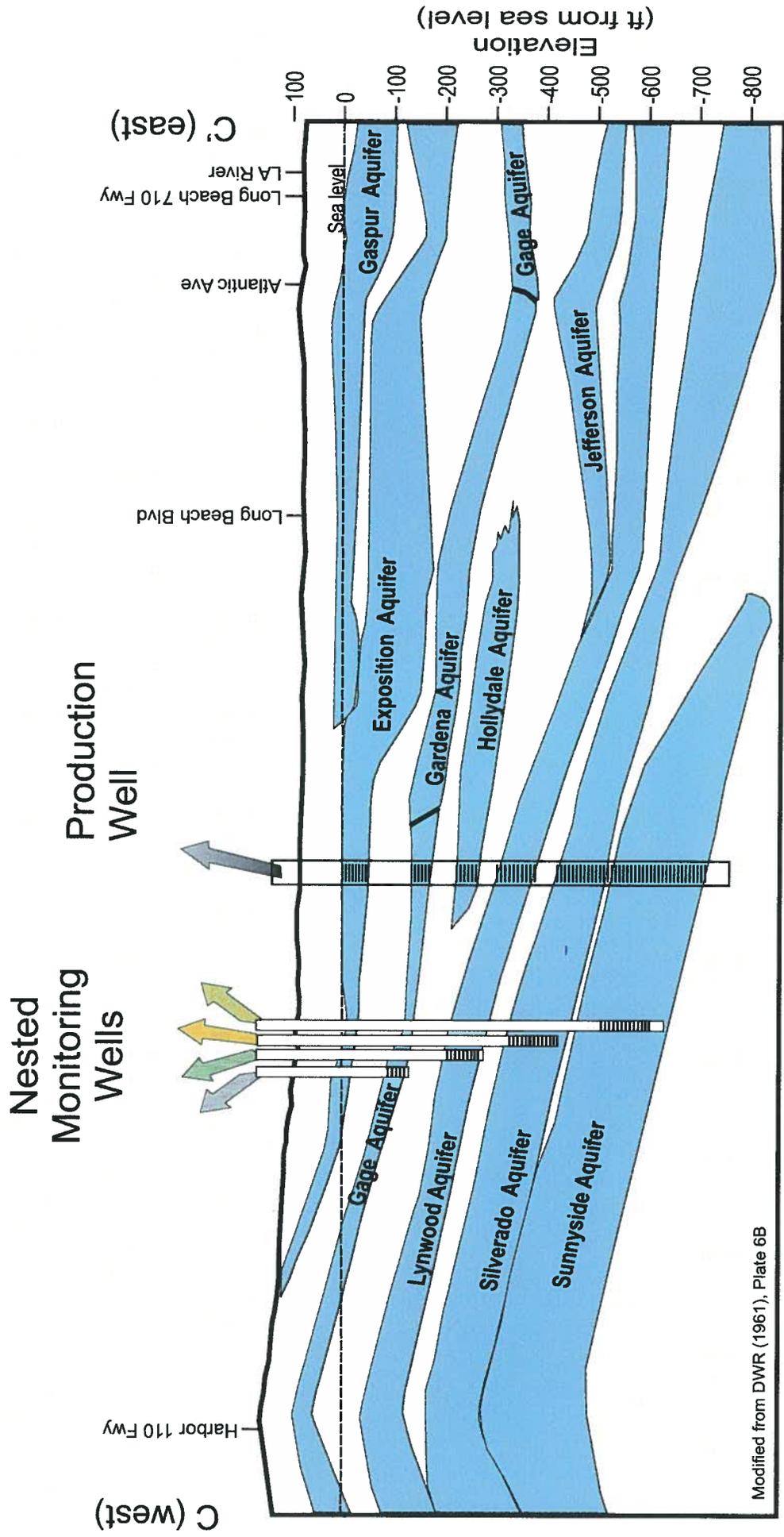
Figure 1.1

**WATER
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**FIGURE 1.2
 NESTED WELLS vs. PRODUCTION WELLS
 FOR AQUIFER-SPECIFIC DATA**



Modified from DWR (1961), Plate 6B

Production wells are typically perforated across multiple aquifers producing an average water quality. Nested monitoring wells are screened in a portion of a specific aquifer, providing water quality and water level information for the specific zone.

FIGURE 1.3

EXISTING AND PLANNED WRD NESTED MONITORING WELLS

LEGEND

-  WRD key nested monitoring well
-  WRD nested monitoring well
-  Planned WRD nested monitoring wells for WY2009/2010
-  A' Location of Cross Section (Figure 1.5)
-  B' Location of Cross Section (Figure 1.5)

Data Source: WRD Regional Groundwater Monitoring Program

-  Barrier Injection Wells
-  WRD Boundary
-  Forebay

