Town Hall Meeting

June 30, 2015

ROOT CREEK
Water District

Agenda

District Formation & Accomplishments

- Formation Background
- Groundwater Management Plan & Implementation
- Water Supply & Conveyance Agreements
- Water Delivery Facilities

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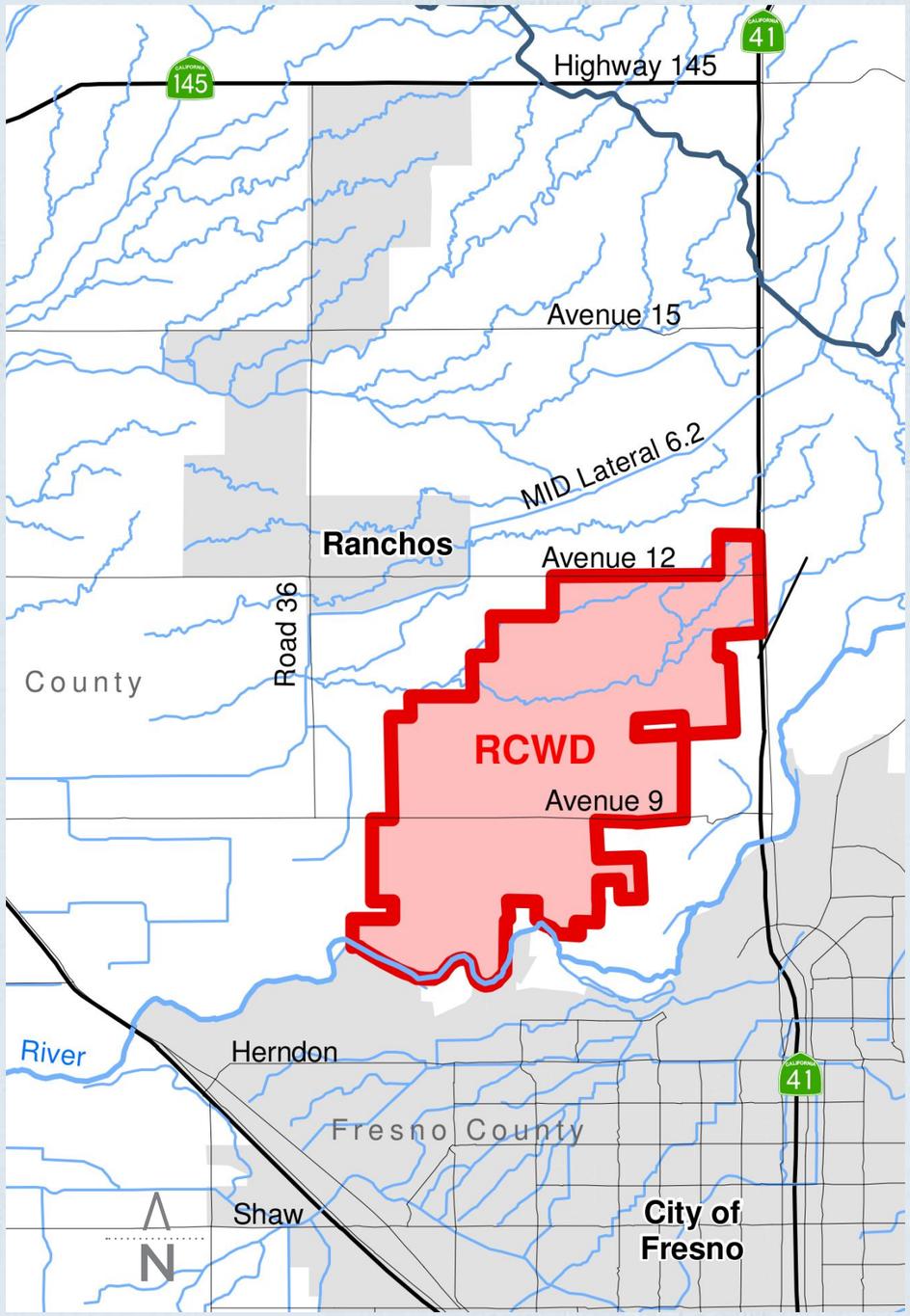
Highway 145
145
41
Avenue 15
MID Lateral 6.2
Ranchos
Avenue 12
Road 36
County
RCWD
Avenue 9
River
Herndon
41
Fresno County
Shaw
City of
Fresno
N

Formation / Background

- Formed in 1996 to address the need to have a sustainable, high-quality water supply for Agricultural and Municipal uses
- Covers 9,220 acres in Southeastern Madera County bordering on the San Joaquin River to the south and Highway 41 on the east
- Funding for formation, acquisition of water supplies, conveyance and delivery systems advanced by Castle & Cooke (Gateway Village), now Riverstone

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Groundwater Management Plan

- RCWD in the Madera Groundwater Basin
- Groundwater extraction must be balanced with replenishment for long-term sustainable water supplies
- Adopted a Groundwater Management Program – October 1997, updated in January 2012

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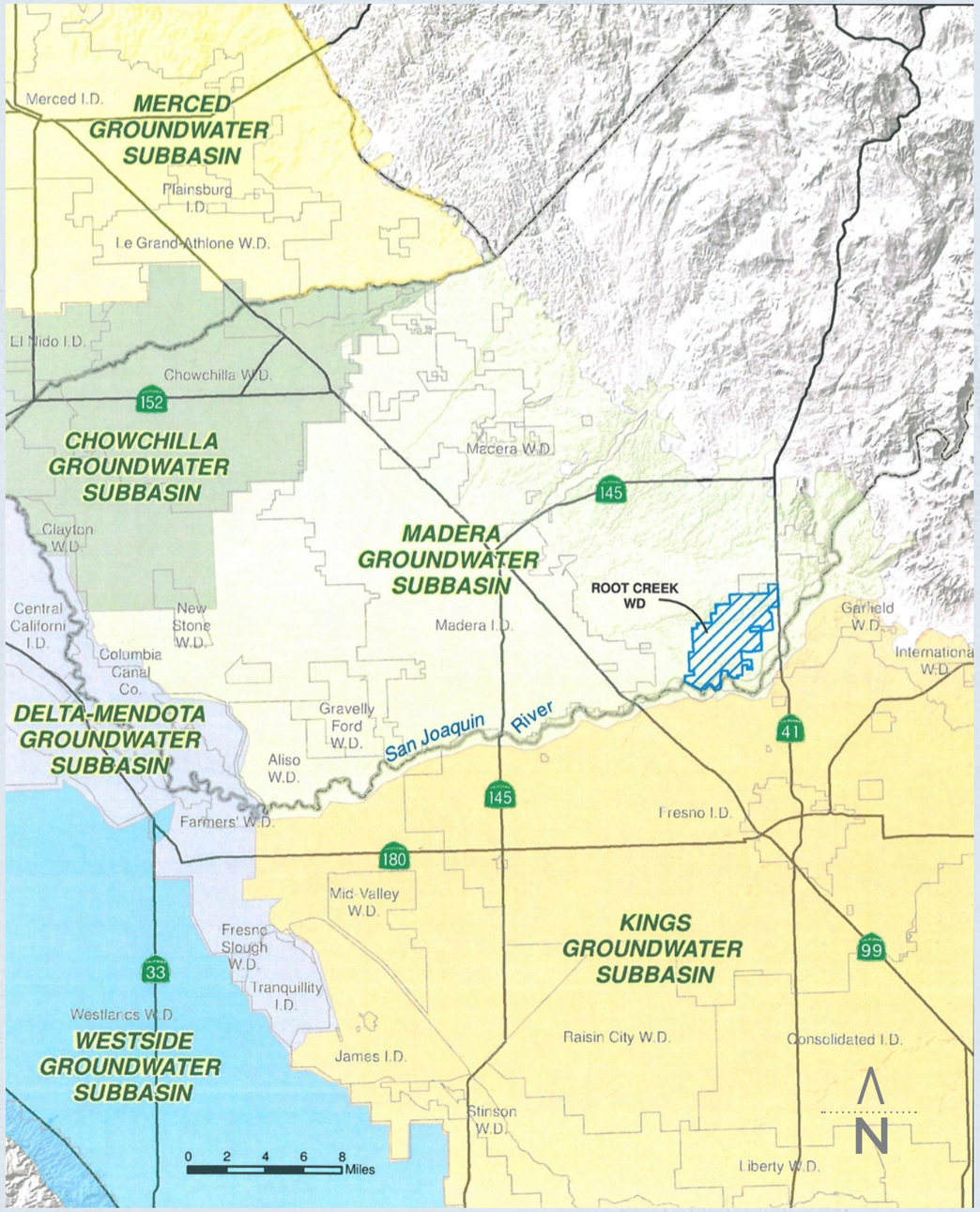
MERCED GROUNDWATER SUBBASIN
Merced I.D.
Plainsburg I.D.
Le Grand-Athlone W.D.
El Nido I.D.
Chowchilla W.D.
152
CHOWCHILLA GROUNDWATER SUBBASIN
Madera W.D.
145
MADERA GROUNDWATER SUBBASIN
ROOT CREEK WD
Clayton W.D.
Central Californi I.D.
New Stone W.D.
Madera I.D.
Garfield W.D.
International W.D.
Columbia Canal Co.
DELTA-MENDOTA GROUNDWATER SUBBASIN
Gravelly Ford W.D.
San Joaquin River
Aliso W.D.
41
Fresno I.D.
Farmers' W.D.
180
Mid Valley W.D.
Fresno Slough W.D.
KINGS GROUNDWATER SUBBASIN
99
33
Tranquillity I.D.
Westlands W.D.
WESTSIDE GROUNDWATER SUBBASIN
James I.D.
Raisin City W.D.
Consolidated I.D.
Stinson W.D.
Liberty W.D.
0 2 4 6 8 Miles
N

Program Components

- Monitoring and analysis of groundwater levels
- Groundwater recharge project feasibility studies
- Develop relationships with regulatory agencies, neighboring agencies with groundwater management authority, and the County of Madera

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Program Implementation

- Spring and Fall well water level measurements taken continually since 1998
- Initiated the Hydrogeologic Investigation of Southeastern Madera County, 1998
- Quantified the annual average overdraft in the 80-square-mile area at that time as 22,000 acre feet
- RCWD's contribution to the annual overdraft estimated to be 3,400 acre feet
- Outlined potential programs for mitigation of RCWD's overdraft including investigation of recharge sites and the acquisition of surface water

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Water Supply Agreements

- "Agreement Concerning Agricultural, Municipal and Industrial Water use within Root Creek Water District" with Friant Water Users Authority, Madera Irrigation District and Chowchilla Water District, December 1999
  - Provides resources required for the attainment and maintenance of a sustainable water supply for lands within RCWD
  - Includes the potential to obtain unused flood flow through Bureau 215 water purchases and temporary transfers of surplus class 2 water

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Madera Irrigation District

- "Agreement for the Conveyance and Sale of Water" with Madera Irrigation District, March 2002
    - Provides for use of MID facilities for the conveyance of surface water to RCWD
    - Purchase of up to 10,000 acre-feet per year of surplus MID class 2 supply

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Paramount

- Water Supply Agreement with Paramount Land Co, formerly Westside Mutual Water Company, November 2006
  - Provides an any year supply of banked water to ensure RCWD has the ability to meet the contractual obligation to mitigate its contribution to overdraft
  - Phased delivery schedule provides 7,000 acre-feet annually, double the current RCWD average overdraft

ROOT CREEK Water District

Facilities

- In-Lieu Groundwater Recharge Facility Feasibility Study, April 2003
  - Study was conducted with Grant Funding provided by Proposition 13
- Root Creek Water District In-lieu Recharge Project – Completed 2014
  - Proposition 84 Grant Funding provided 75% of the $5.5 million project
  - 2.7 miles of 48” mainline
  - 5.3 miles of lateral lines connecting to on-farm irrigation systems

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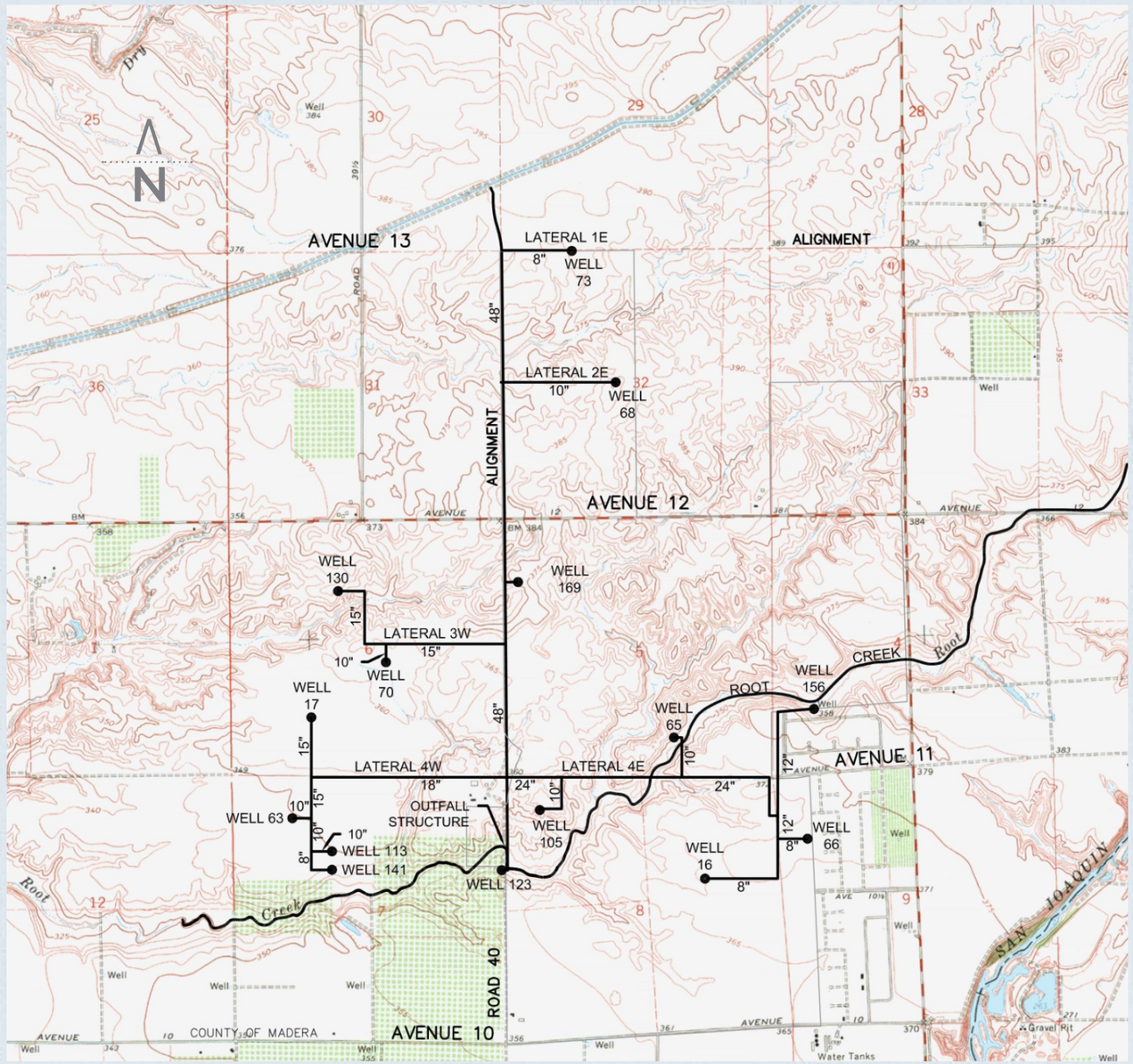
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AVENUE 13
AVENUE 12
AVENUE 11
AVENUE 10
ALIGNMENT
ALIGNMENT
ROAD 40
LATERAL 1E
8"
WELL
73
LATERAL 2E
10"
WELL
68
48"
WELL
130
15"
LATERAL 3W
15"
10"
WELL
70
WELL
169
WELL
17
15"
LATERAL 4W
18"
24"
LATERAL 4E
24"
10"
WELL 63
10"
15"
10"
WELL 113
8"
WELL 141
OUTFALL
STRUCTURE
WELL
105
WELL 123
WELL
65
10"
WELL
156
ROOT
CREEK
12"
12"
8"
WELL
66
WELL
16
8"
Root
Creek
Root
SAN JOAQUIN
COUNTY OF MADERA
Water Tanks
Gravel Pit
Well

Root Creek Water District
Installation of 48” Pipeline

Root Creek Turnout Facility
in Madera Irrigation District
Lateral 6.2 Canal

Regional Water Management Group

- Founding Member
- Manages the IRWMP
- Collaborating with County, Water Agencies and Stakeholders

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Madera Groundwater Authority – *JPA Formation*

The Madera Groundwater Authority's goal is to provide for the conjunctive use of Groundwater and Surface water within the represented groundwater basins to ensure the reliability of a long-term water supply to meet current and future beneficial uses through the development of a coordinated and comprehensive regional approach to the monitoring, evaluation and management of groundwater resources.

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Madera Groundwater Authority – *Members*

- Aliso Water District
- Chowchilla Water District
- City of Chowchilla
- City of Madera
- Columbia Canal Company
- County of Madera
- Gravelly Ford Water District
- Madera Irrigation District
- Madera Water District
- Root Creek Water District

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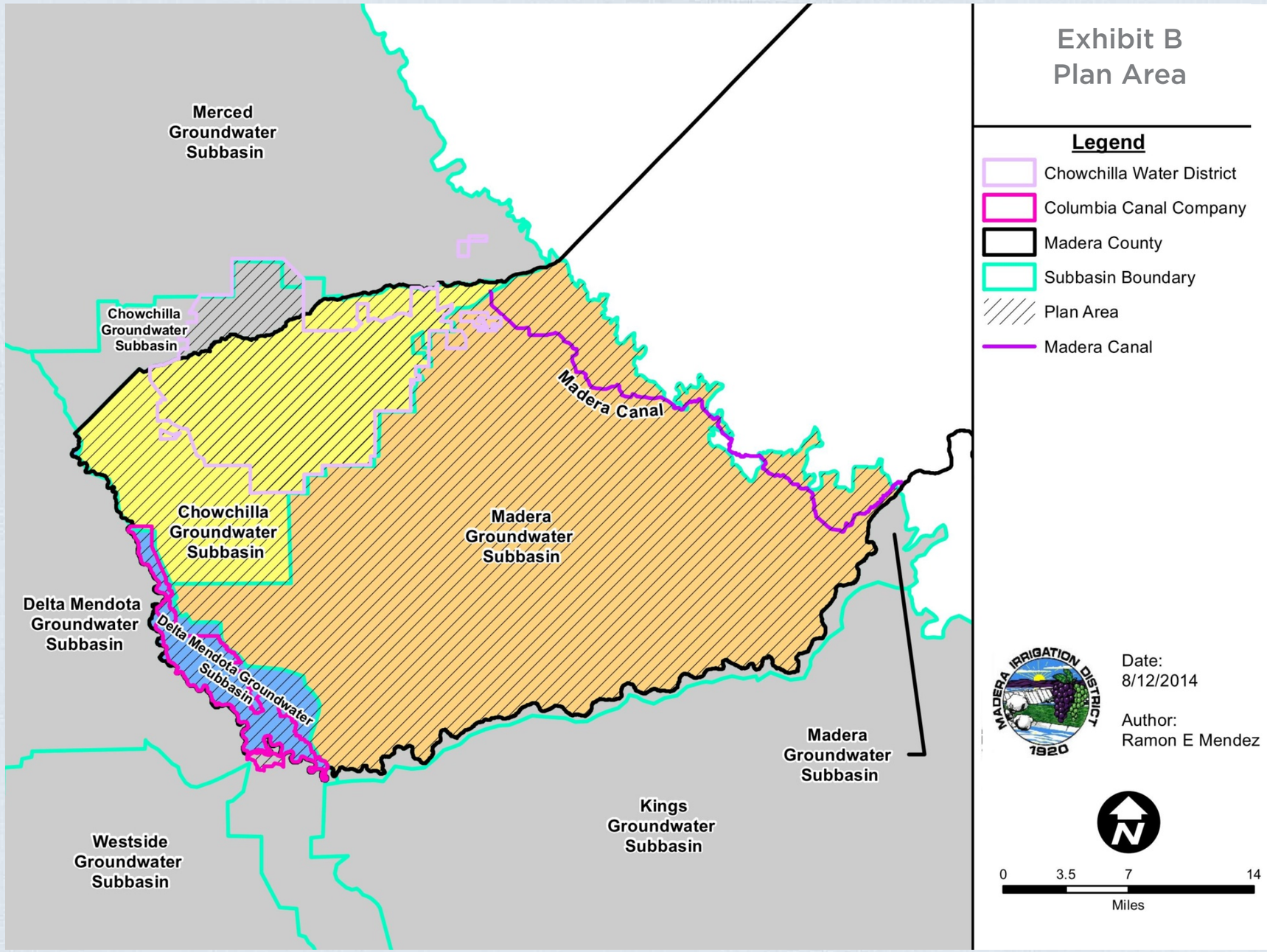
Exhibit B
Plan Area
Legend
Chowchilla Water District
Columbia Canal Company
Madera County
Subbasin Boundary
Plan Area
Madera Canal
Merced Groundwater Subbasin
Chowchilla Groundwater Subbasin
Madera Canal
Chowchilla Groundwater Subbasin
Madera Groundwater Subbasin
Delta Mendota Groundwater Subbasin
Delta Mendota Groundwater Subbasin
Madera Groundwater Subbasin
Kings Groundwater Subbasin
Westside Groundwater Subbasin
Date:
8/12/2014
Author:
Ramon E Mendez
0
3.5
7
14
Miles

Thank you.

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