



Fillmore and Piru Basins
Groundwater Sustainability Agency

Basin Boundary Modification Workshop

March 16, 2018

8D Basins Boundary Modification

MODIFICATION TYPES

There are two types of basin modifications, scientific and jurisdictional, each with specific requirements to justify the modification request. The following is a description and graphical representation of the types of basin or subbasin modifications:

Scientific	Hydrogeologic
Jurisdictional	Internal
	Consolidation
	Subdivision

Scientific Modifications: A scientific modification to a basin or subbasin boundary involves the addition, deletion, or relocation of a boundary based on the geologic or hydrologic conditions that define a groundwater basin or subbasin.

Jurisdictional Modifications: A jurisdictional modification involves the addition, deletion, or relocation of a basin or subbasin boundary that is not a scientific modification but promotes sustainable groundwater management.

Basins Boundary Modification

Legend

— DWR Bulletin 118 GW Basins - official 2016

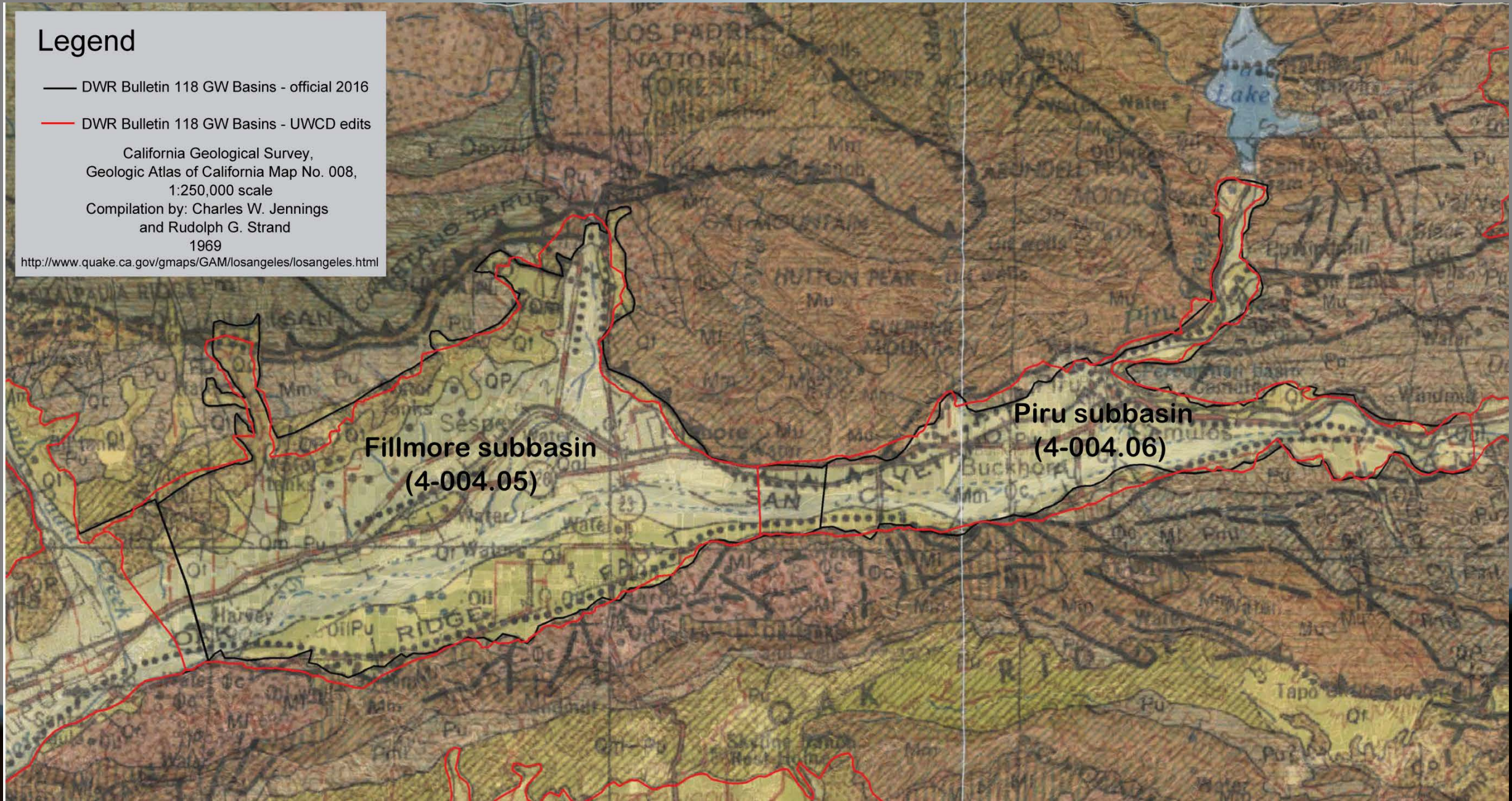
— DWR Bulletin 118 GW Basins - UWCD edits

California Geological Survey,
Geologic Atlas of California Map No. 008,
1:250,000 scale
Compilation by: Charles W. Jennings
and Rudolph G. Strand
1969

<http://www.quake.ca.gov/gmaps/GAM/losangeles/losangeles.html>

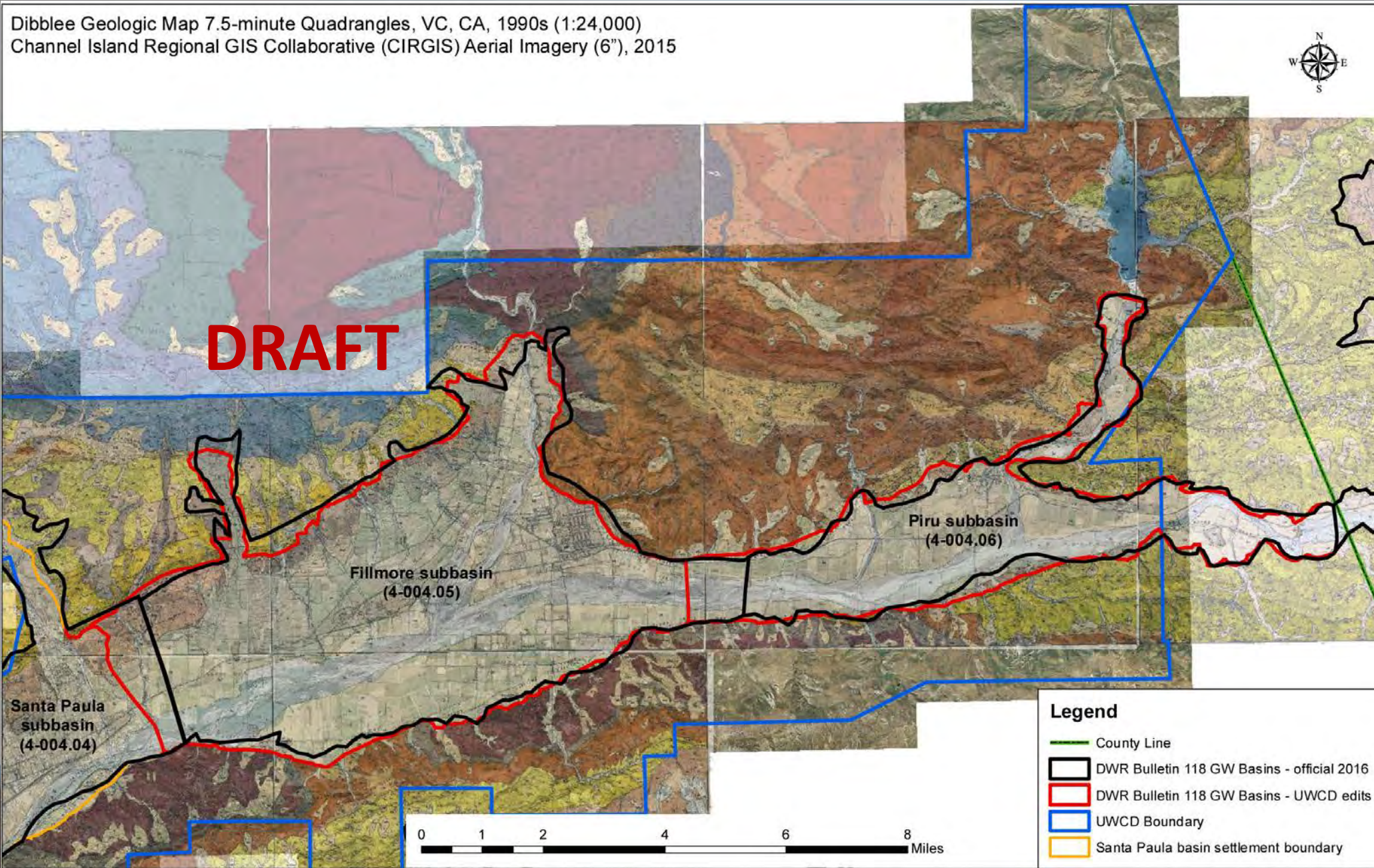
**Fillmore subbasin
(4-004.05)**

**Piru subbasin
(4-004.06)**



Basins Boundary Modification

Dibblee Geologic Map 7.5-minute Quadrangles, VC, CA, 1990s (1:24,000)
Channel Island Regional GIS Collaborative (CIRGIS) Aerial Imagery (6"), 2015



Basins Boundary Modification

Fillmore Subbasin (4-004.05) Boundary edits

Scale digitized = 1:10,000.

Western Boundary

1. Snapped boundary to Santa Paula Basin Settlement Boundary (stipulated judgment boundary).

Eastern Boundary

1. Boundary approximated from peak of rising groundwater and property lines (Southside Improvement Company mapped in Fillmore subbasin).

Northern Boundary

Source of edits: Geologic Map of the Fillmore Quadrangle, VC, CA By Dibblee, 1990 (1:24:000).

Geologic Map of the Santa Paula Peak Quadrangle, VC, CA By Dibblee, 1990 (1:24:000).

Channel Island Regional GIS Collaborative (CIRGIS) Aerial Imagery (6"), 2015; and other available aerial imagery.

1. Northwest Boundary: Followed QTlp/QTlc (Los Posas Sand) and Tp/QTpm (Pico Formation) contact with surficial sediments and landslide debris. QTs (Saugus Formation) was included as part of the subbasin. The digitized contact boundaries were checked against recent available aerial imagery and minor adjustments were made.
2. Northeast Boundary: Followed Tsp (Sespe Formation), Tr (Rincon Shale) and Tm/Tml/Tmsu (Monterey Formation) contact with surficial sediments and landslide debris. The digitized contact boundaries were checked against recent available aerial imagery and minor adjustments were made.

Southern Boundary

Source of edits: Geologic Map of the Fillmore Quadrangle, VC, CA By Dibblee, 1990 (1:24:000).

Geologic Map of the Santa Paula Quadrangle, VC, CA By Dibblee, 1992 (1:24:000).

Geologic Map of the Moorpark Quadrangle, VC, CA By Dibblee, 1992 (1:24:000).

Channel Island Regional GIS Collaborative (CIRGIS) Aerial Imagery (6"), 2015; and other available aerial imagery.

1. Followed Tsp (Sespe Formation), Tcva? (Conejo Volcanics), Tts (Topanga Sandstone), Tm (Monterey Formation) and Tsq (Sisquoc Formation) contact with surficial sediments and landslide debris. The digitized contact boundaries were checked against recent available aerial imagery and minor adjustments were made.

Piru Subbasin (4-004.06) Boundary edits

Scale digitized = 1:10,000.

Western Boundary

1. Boundary approximated from peak of rising groundwater and property lines.

Eastern Boundary

1. Boundary not changed.

Northern Boundary

Source of edits: Geologic Map of the Fillmore Quadrangle, VC, CA By Dibblee, 1990 (1:24:000).

Geologic Map of the Piru Quadrangle, VC, CA By Dibblee, 1991 (1:24:000).

Geologic Map of the Val Verde Quadrangle, VC, CA By Dibblee, 1993 (1:24:000).

Channel Island Regional GIS Collaborative (CIRGIS) Aerial Imagery (6"), 2015; and other available aerial imagery.

1. Followed Tm (Monterey Formation), Tsq? (Sisquoc Formation) and Tp/Tps/Tpsg (Pico Formation) contact with surficial sediments and landslide debris. QTs (Saugus Formation) was included as part of the subbasin. The digitized contact boundaries were checked against recent available aerial imagery and minor adjustments were made.

Southern Boundary

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Geologic Map of the Piru Quadrangle, VC, CA By Dibblee, 1991 (1:24:000).

Geologic Map of the Val Verde Quadrangle, VC, CA By Dibblee, 1993 (1:24:000).

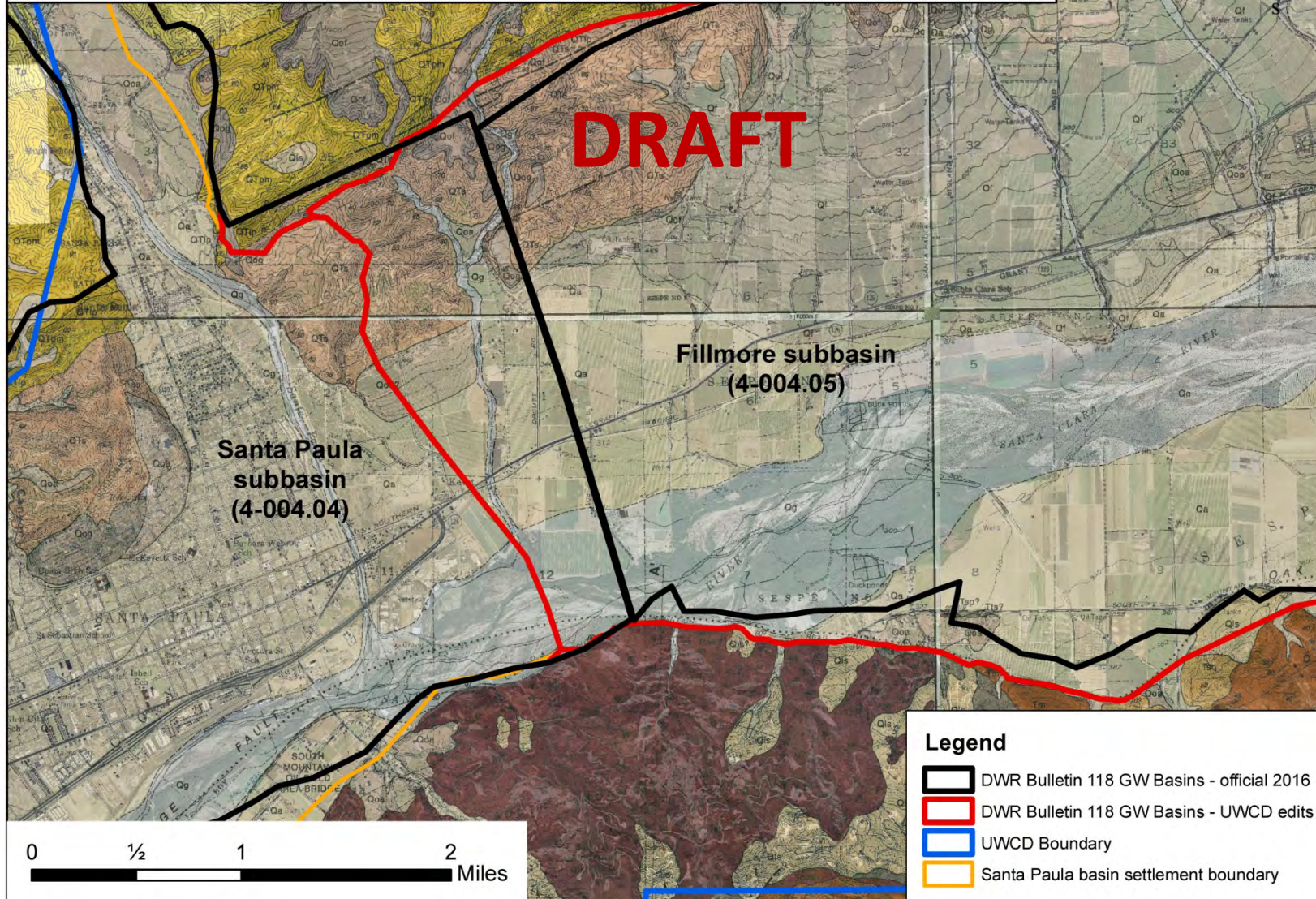
Channel Island Regional GIS Collaborative (CIRGIS) Aerial Imagery (6"), 2015; and other available aerial imagery.

1. Followed Tts (Topanga Sandstone), Tr (Rincon Shale), QTlp (Las Posas Sand), Ttos (Towsley Formation), Tp/Tpc (Pico Formation) contact with surficial sediments and landslide debris. QTs (Saugus Formation) was included as part of the subbasin. The digitized contact boundaries were checked against recent available aerial imagery and minor adjustments were made.

DRAFT

Basins Boundary Modification

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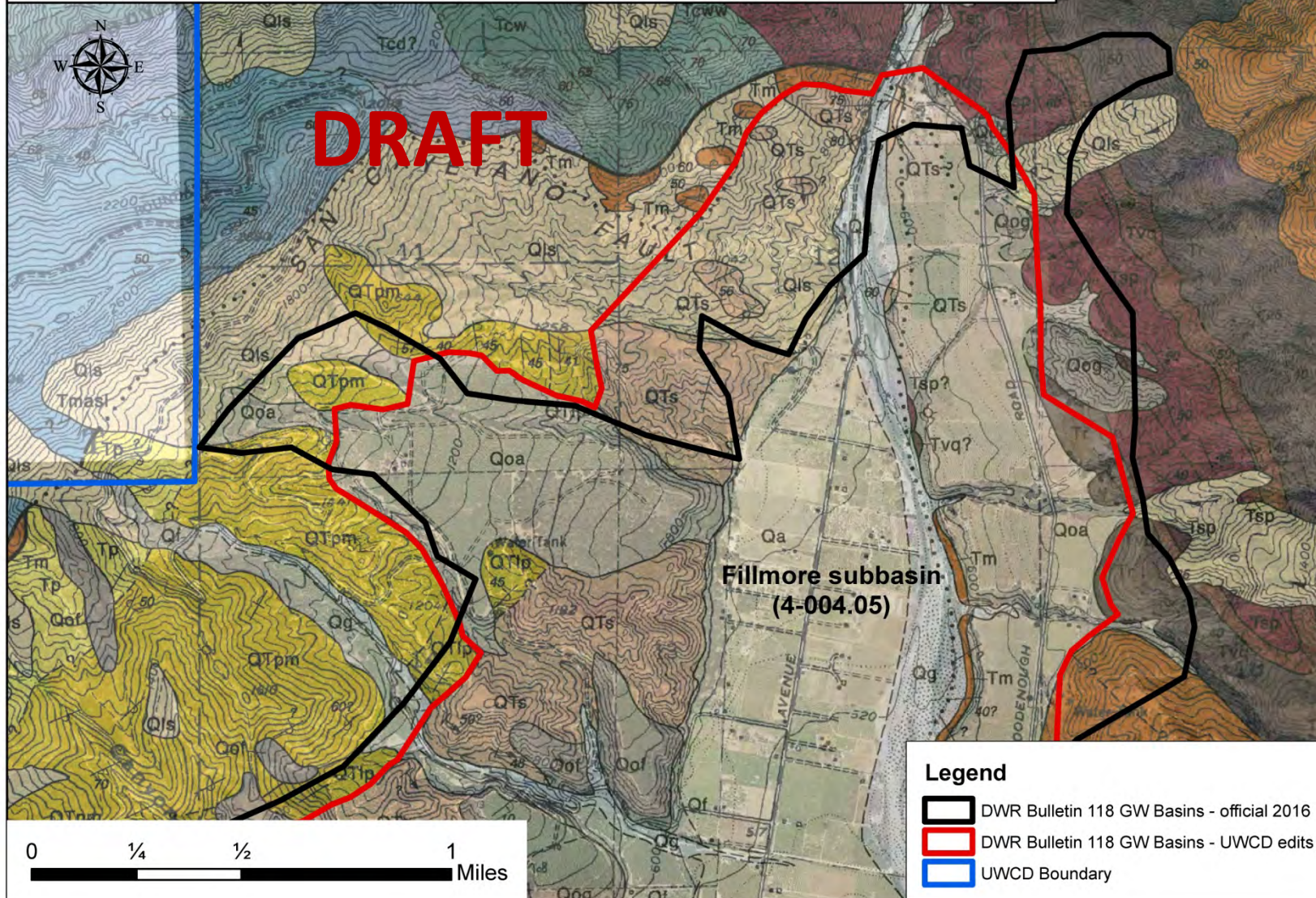
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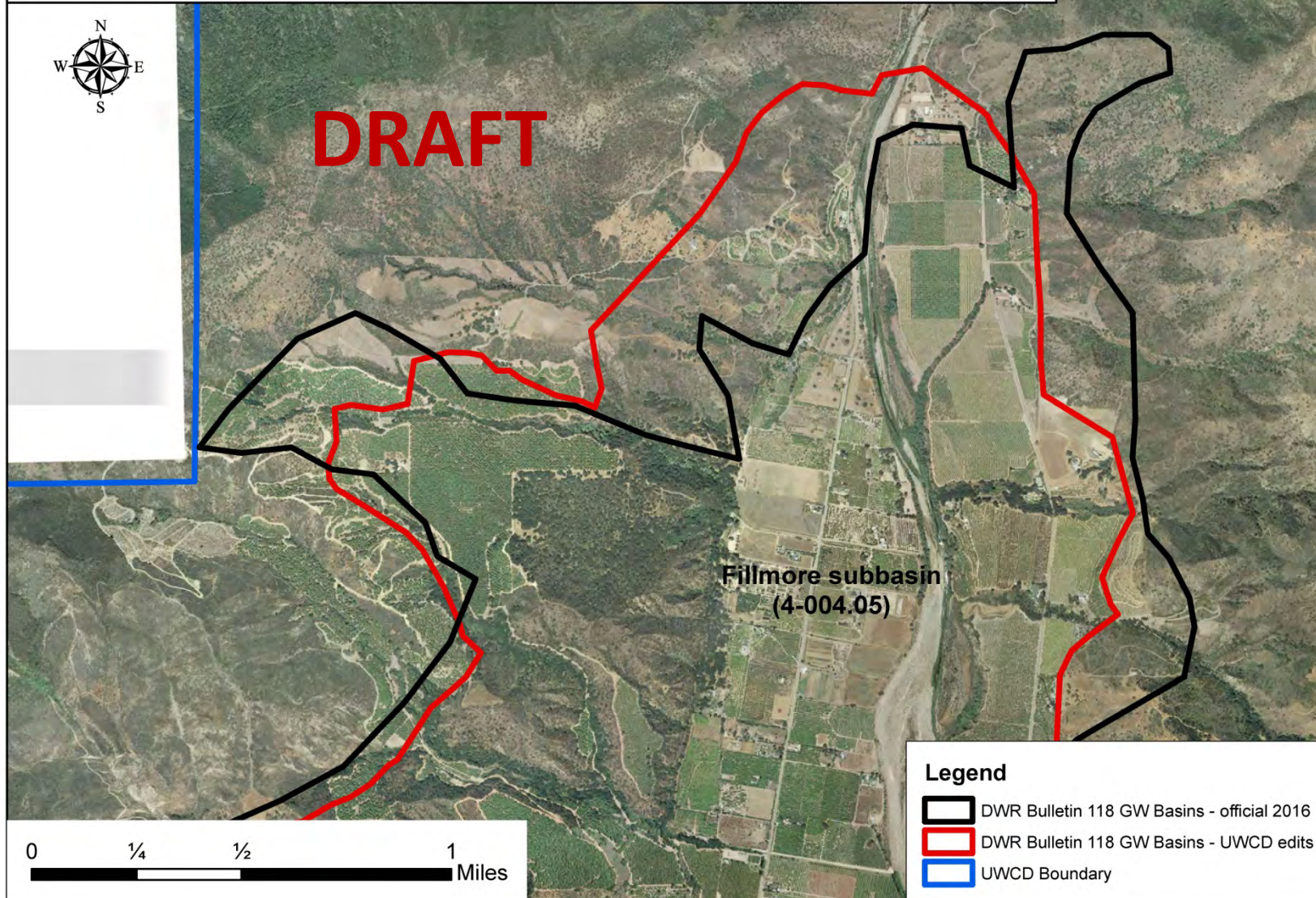
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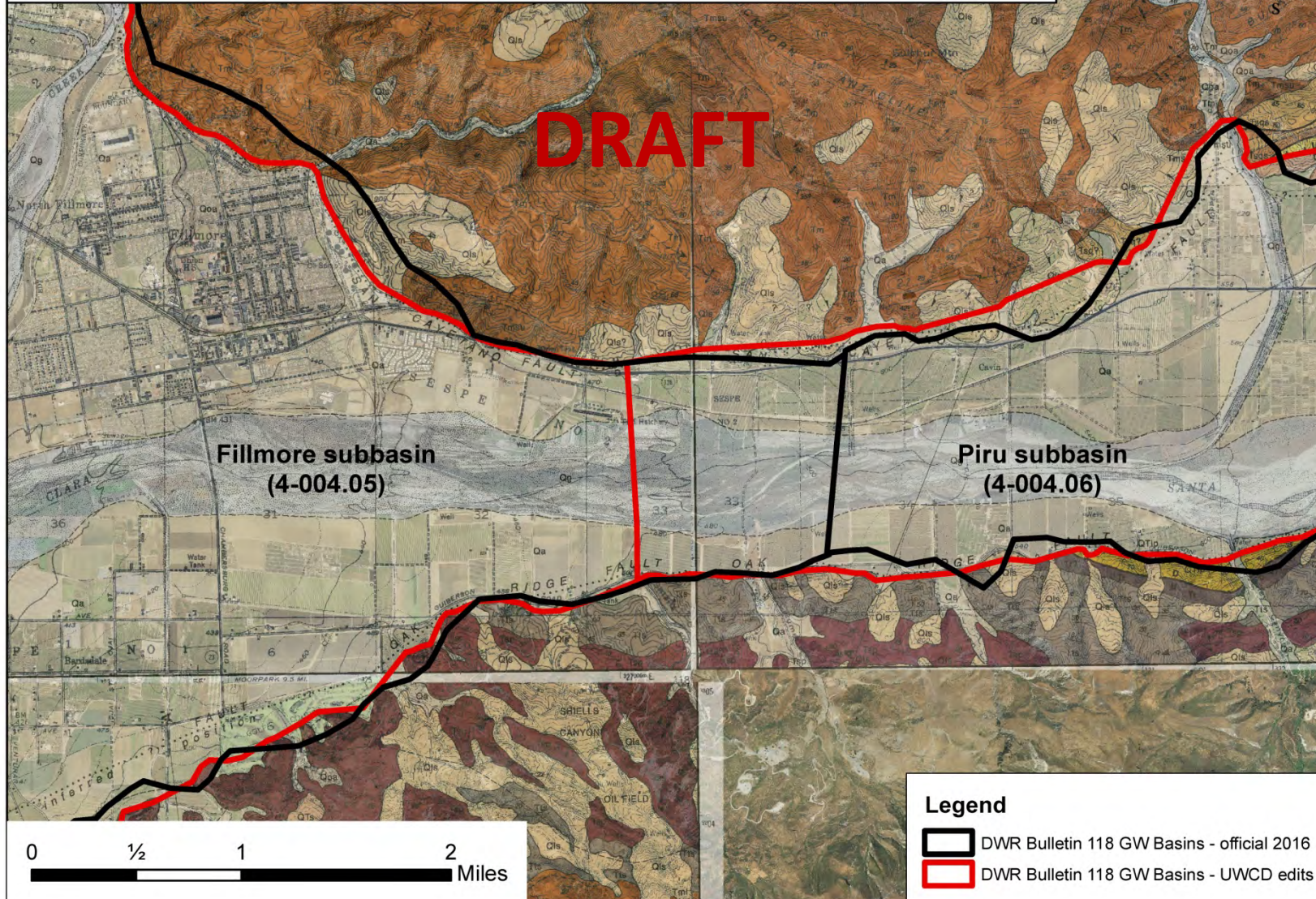
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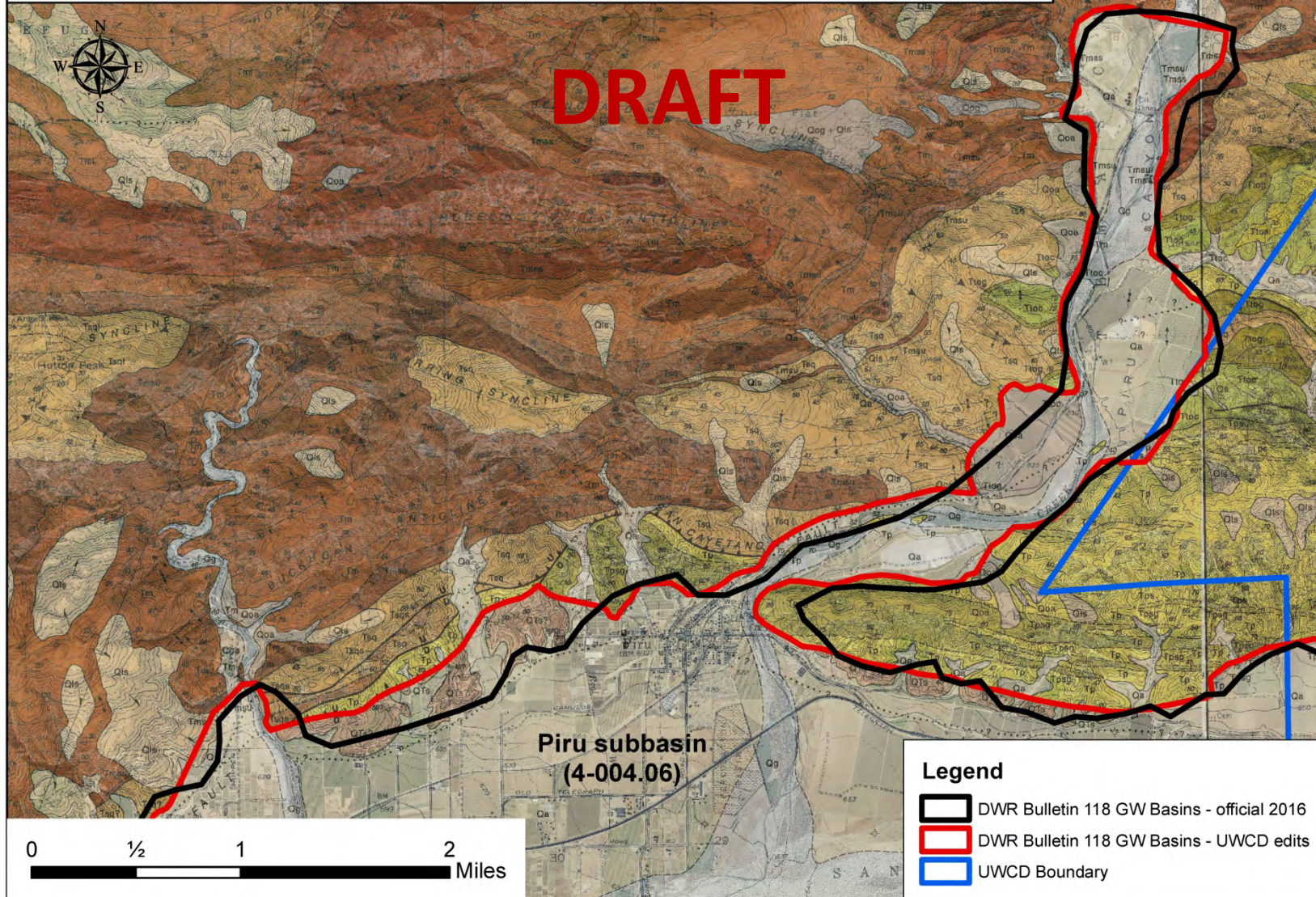
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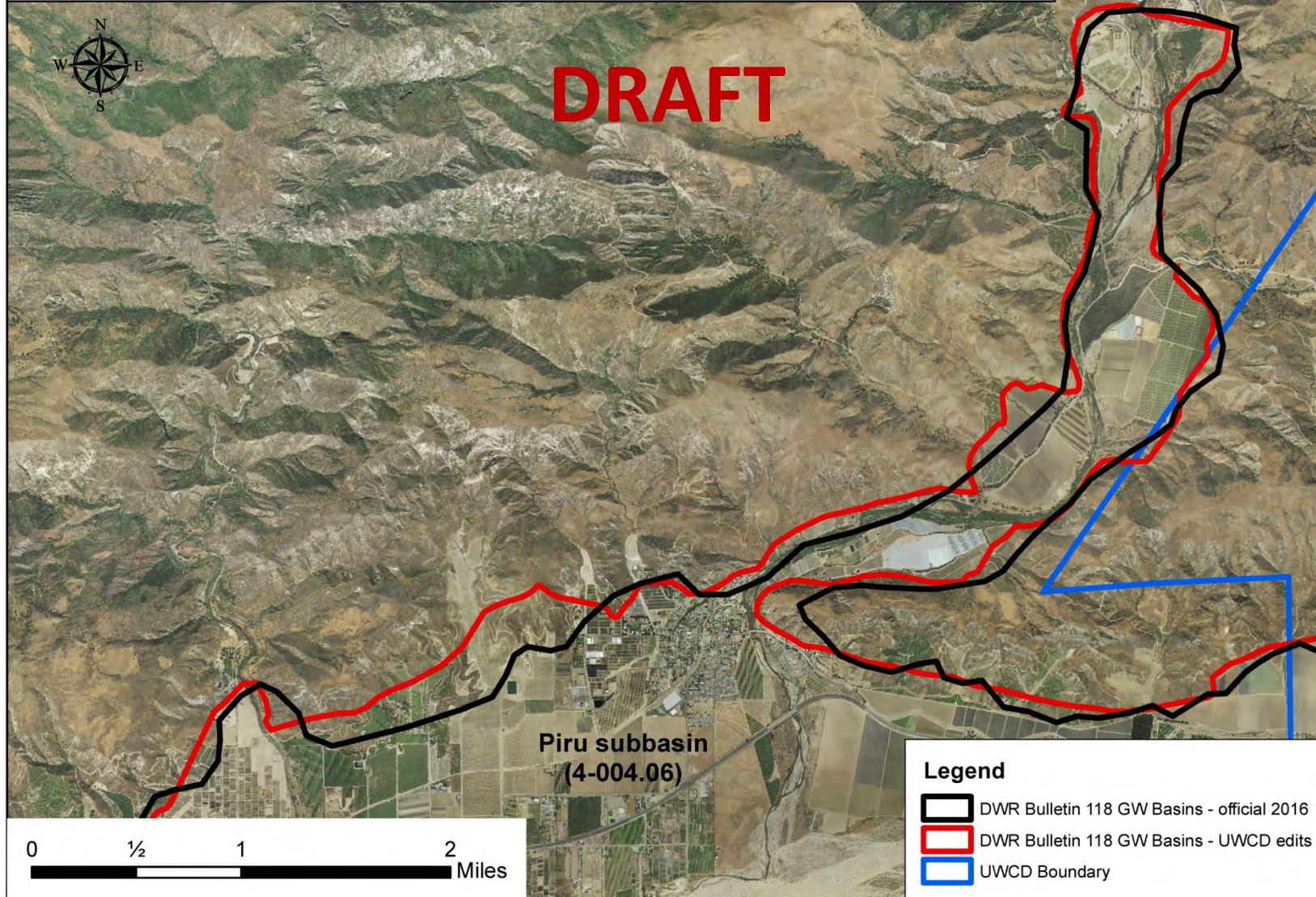
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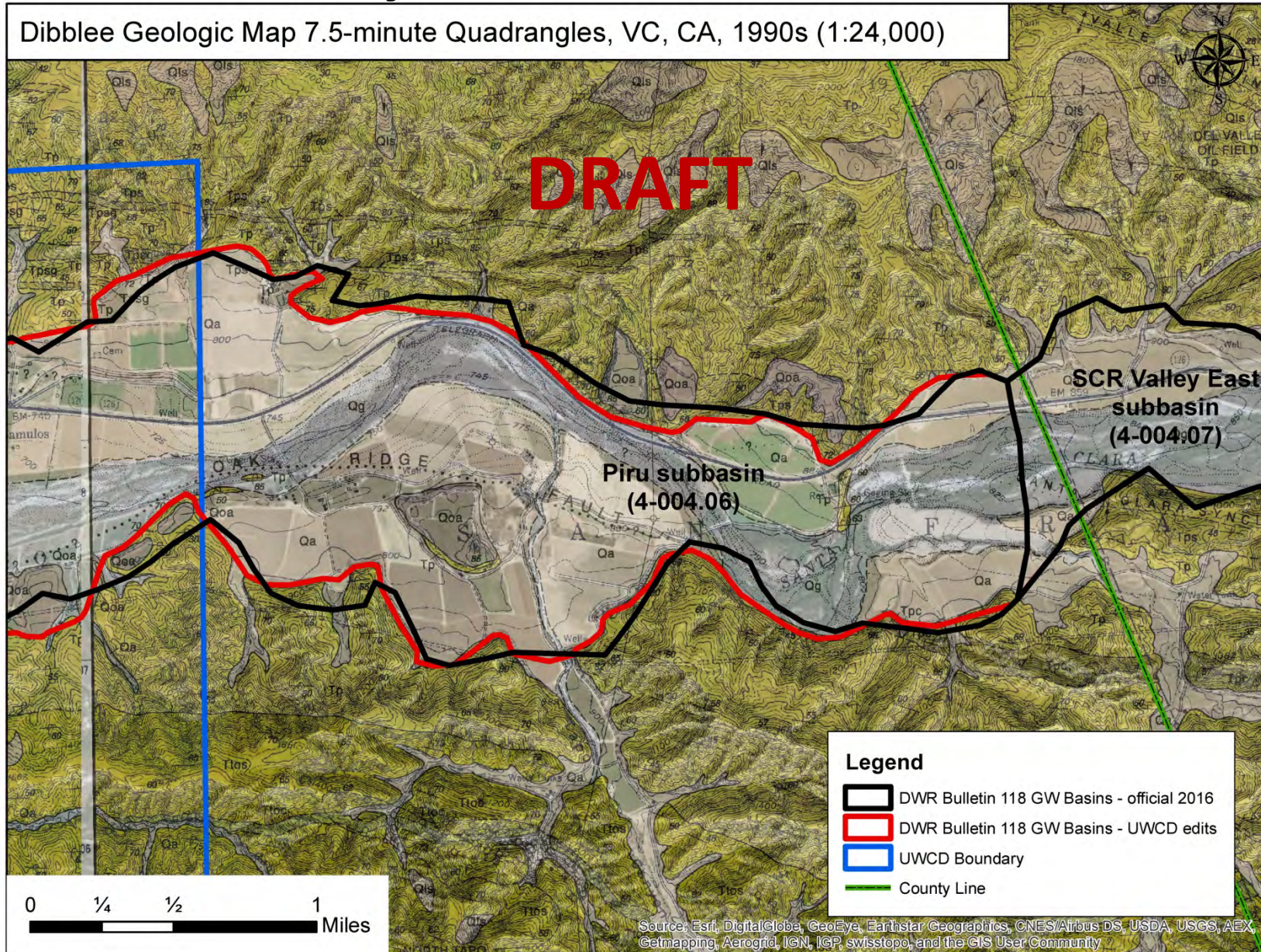
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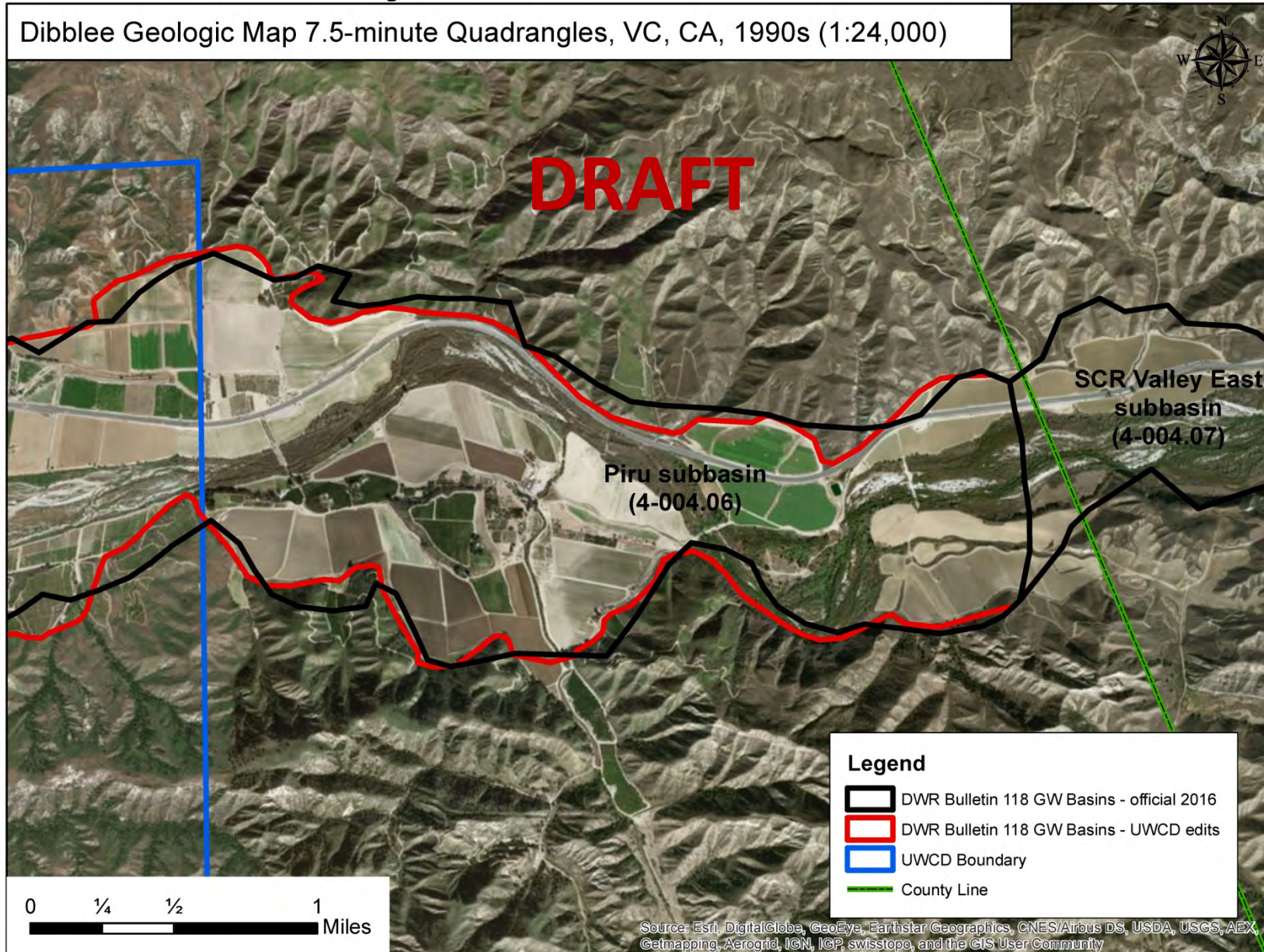
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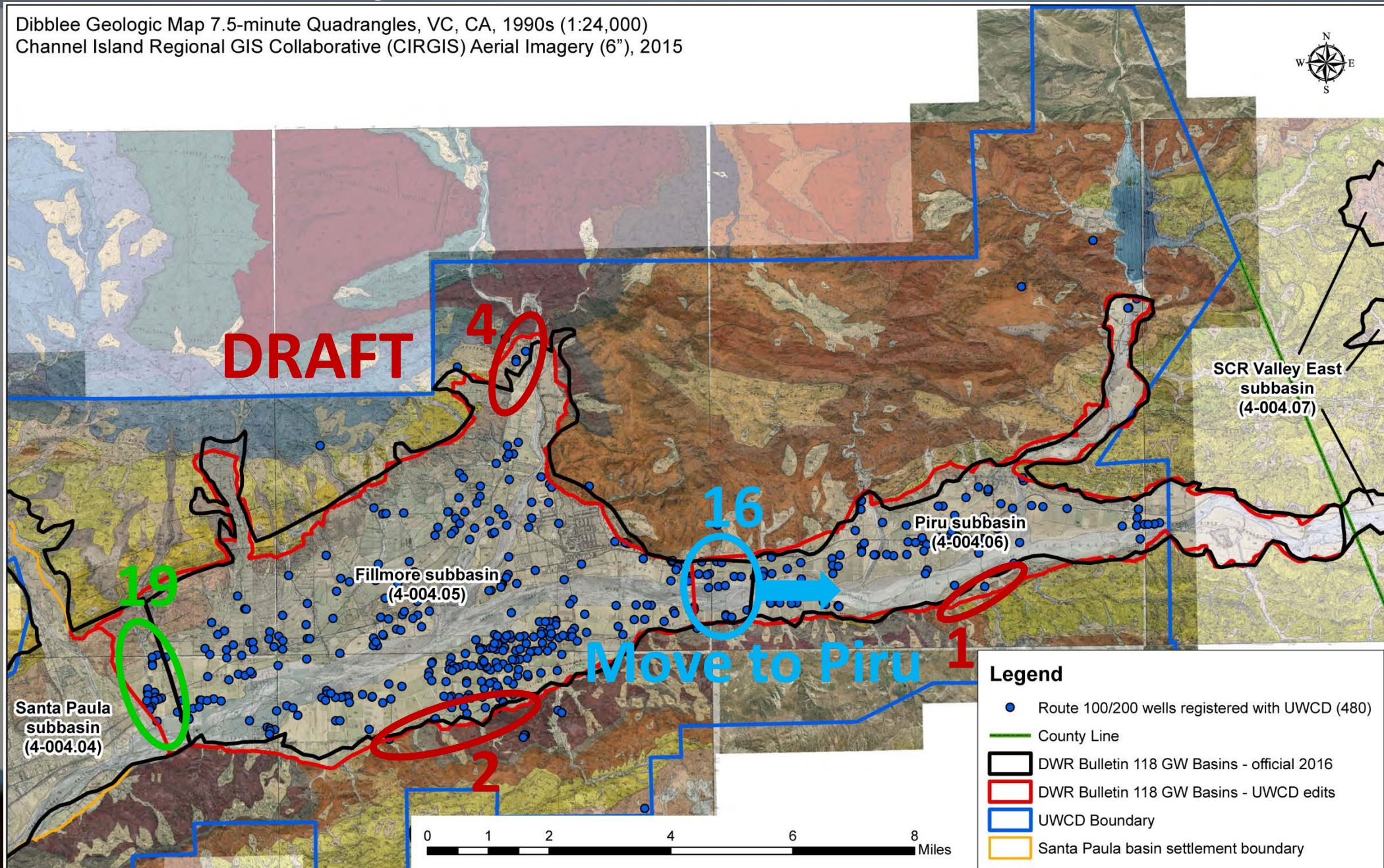
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Basins Boundary Modification

Required initial notification opens on BBMRS	July 1, 2017 ✓
Submission Period opens for six month window - During this six month window, GSAs and local agencies can submit the required information to support a Basin Boundary Modification to the BBMRS on SGMA Portal	January 1, 2018 ✓
Submission Period Closes and 30-day Public Comment Period opens - All information to support a boundary modification should be submitted to the BBMRS	June 30, 2018
Public Comment Period Closes - DWR begins review of boundary modification requests and public comments	July 30, 2018
Draft Basin Boundary Modifications released	Fall 2018
Final Basin Boundary Modifications released	Fall / Winter 2018

<https://www.water.ca.gov/Programs/Groundwater-Management/Bulletin-118/Basin-Boundary-Modifications>