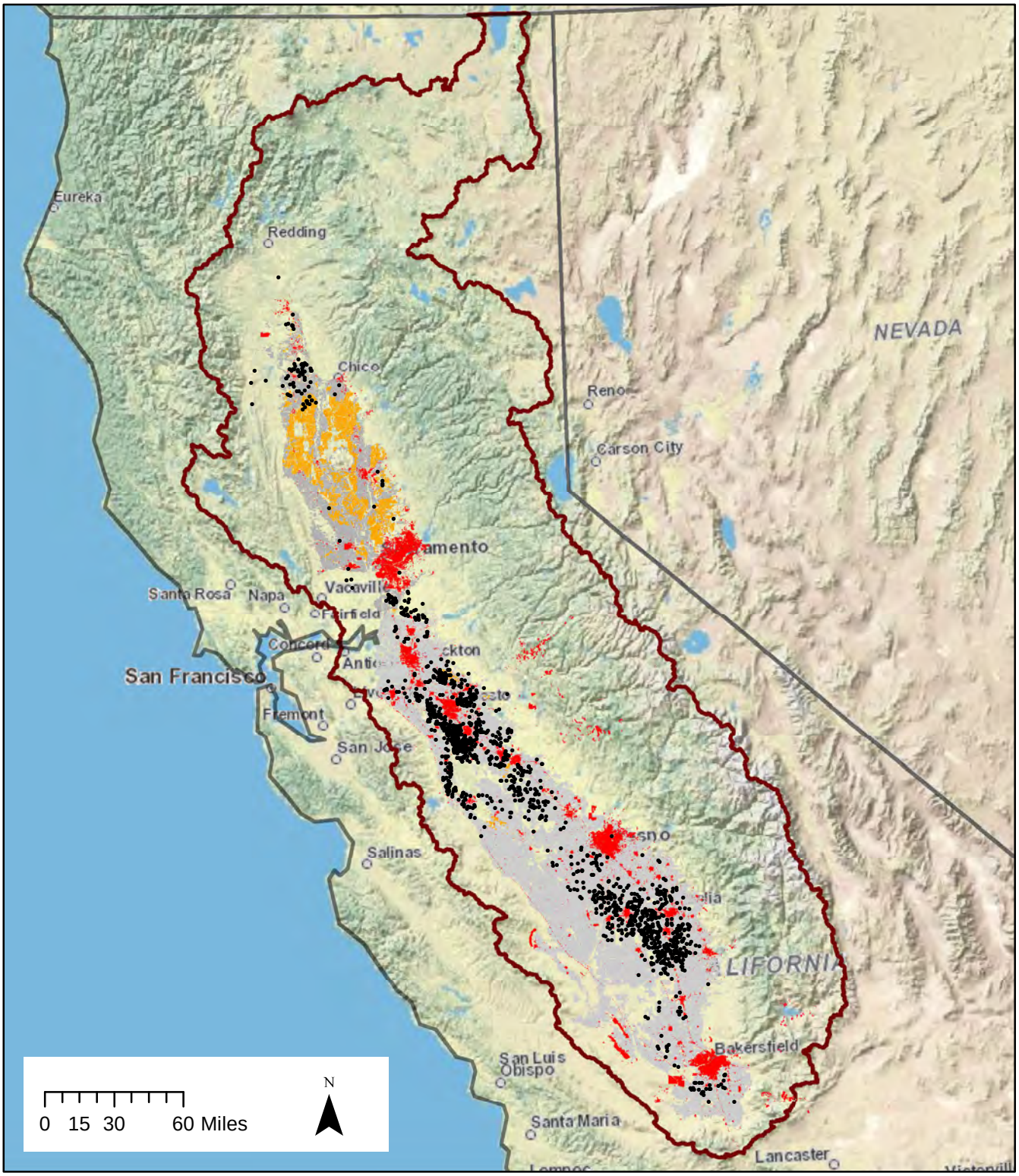

Data Sources: Land Use (California DWR 2010); Dairy Farms (LSCE 2009); Basemap (ESRI 2011). Datum is NAD83.

Land Use

- Agriculture (other)
- Rice Crop
- Urban Areas
- Dairy Farms (2009)
- Central Valley RWQCB (Region 5) Boundary

MAP 2-1
Land Use in the Central Valley
Rice-Specific Groundwater Assessment Report

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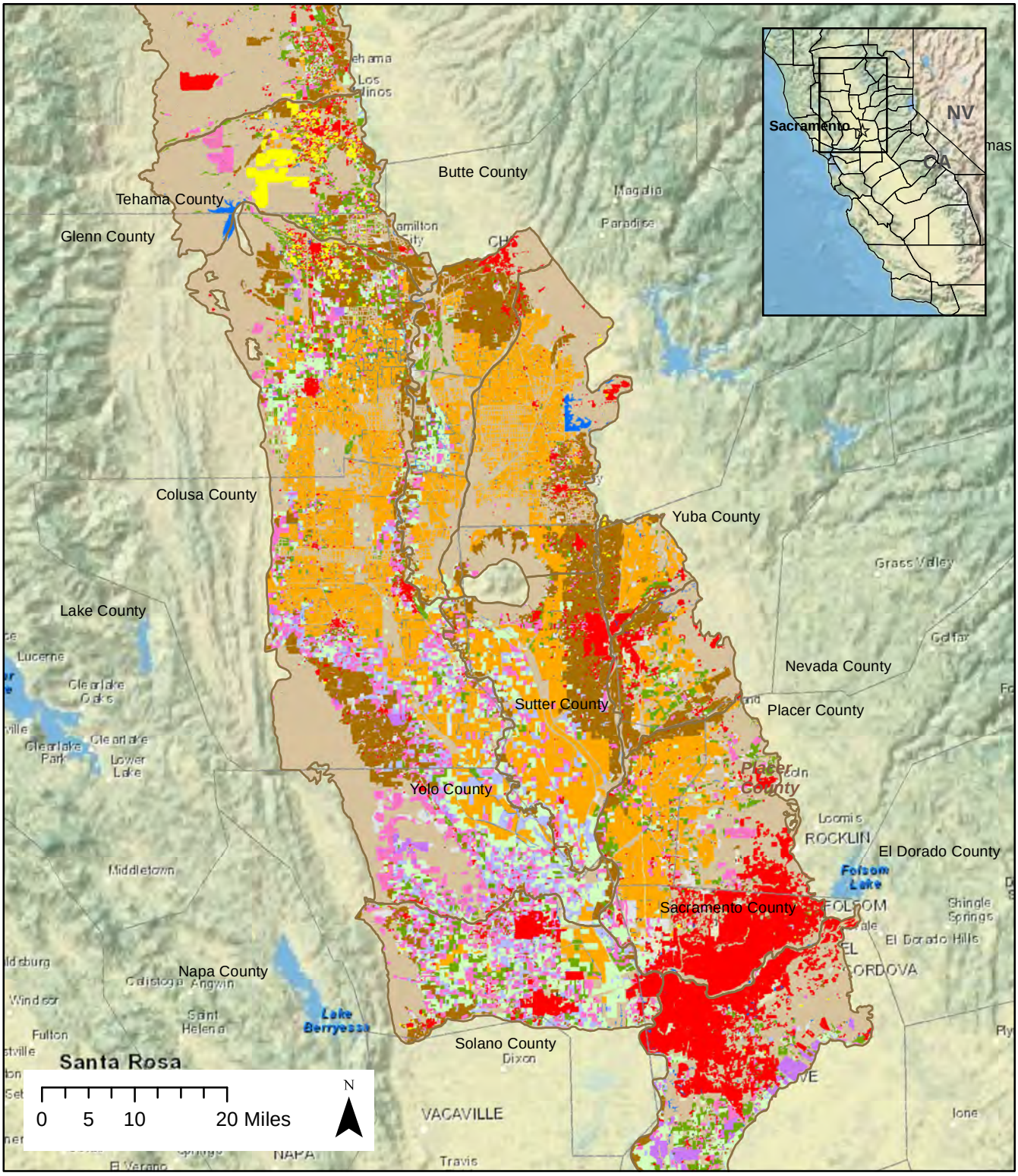

Data Sources: Groundwater Basins, Rice Crop (California DWR 2010); Basemap, County (ESRI 2011). Datum is NAD83.

Legend

DWR Land Use
- Citrus
- Deciduous Fruits & Nuts
- Field Crops
- Grass & Hay
- Idle
- Native Classes
- Pasture
- Rice Crop
- Semi-Agriculture
- Truck Crops
- Urban Areas
- Vineyards
- Water
- County Boundary
- Groundwater Basins

MAP 2-2
Land Use in the Sacramento Valley
Rice-Specific Groundwater Assessment Report

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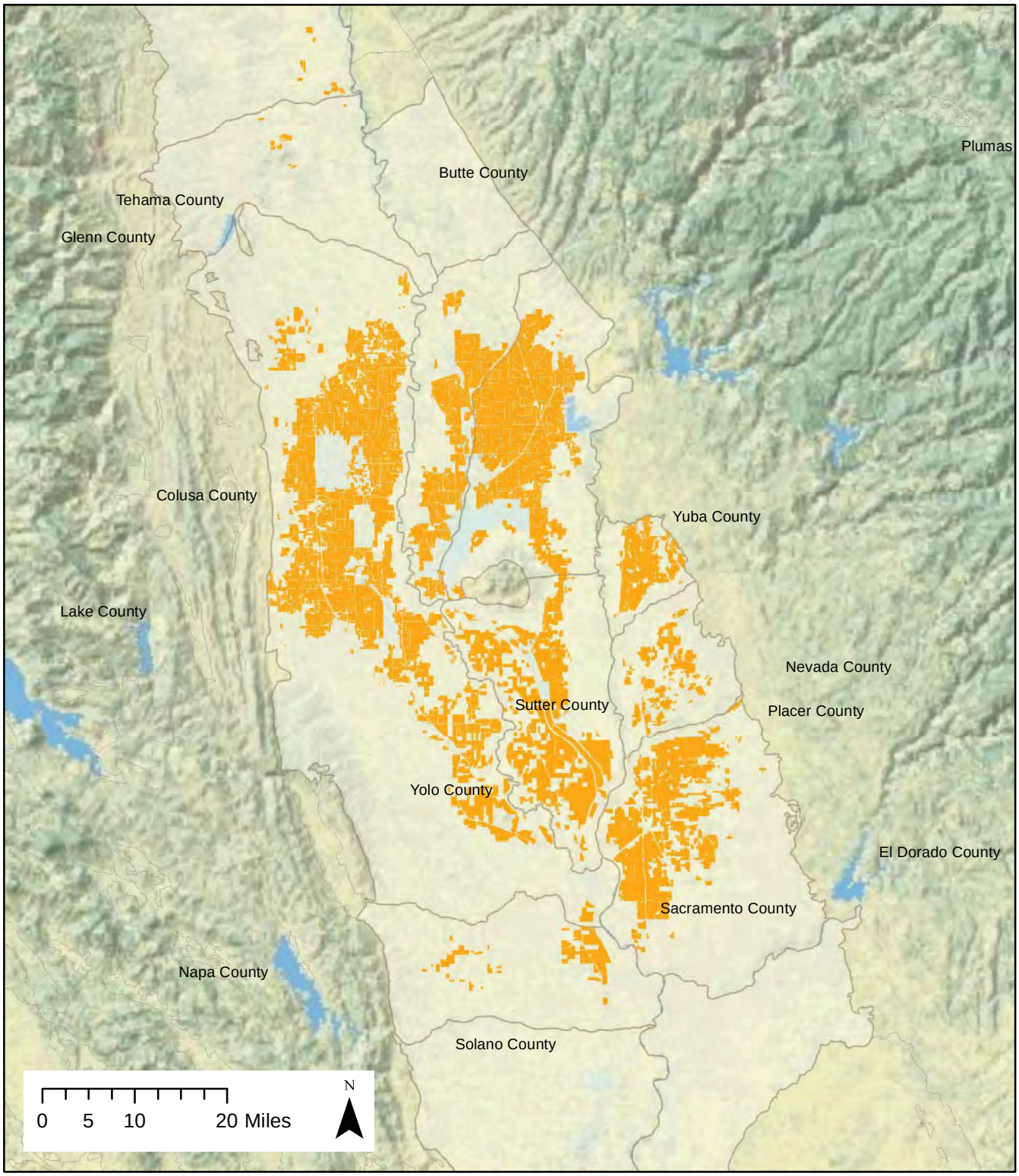
CRC_GAR_Fig2-2_LandUseinSacValley sbundy 4/30/2012

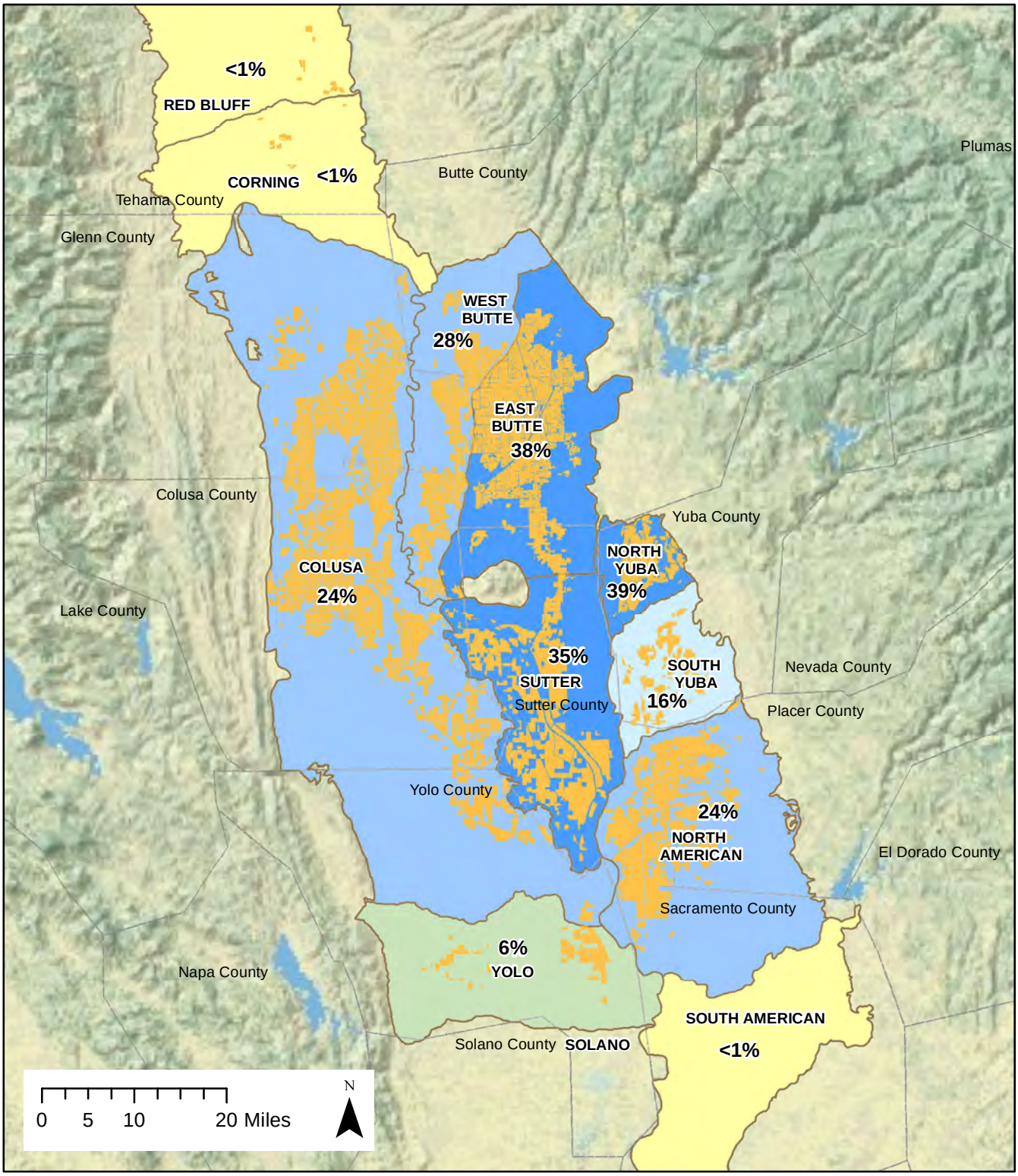


Data Sources: Groundwater Basins, Rice Crop (California DWR 2010); Basemap, County (ESRI 2011). Datum is NAD83.

Legend

- County Boundary
- Groundwater Basins
- Rice Lands (DWR)

MAP 2-3
Geographic Extent of Assessment
Rice-Specific Groundwater Assessment Report



Data Sources: Groundwater Basins, Rice Crop (California DWR 2010); Basemap, County (ESRI 2011). Datum is NAD83.

Legend

Rice Land Use as Percent of GW Basin

- 0 - 5
- 5 - 10
- 10 - 20
- 20 - 30
- 30 - 40

- County Boundary
- Groundwater Basins
- Rice Lands (DWR)

MAP 2-4

Percent Rice Land per Groundwater Basin

Rice-Specific Groundwater Assessment Report

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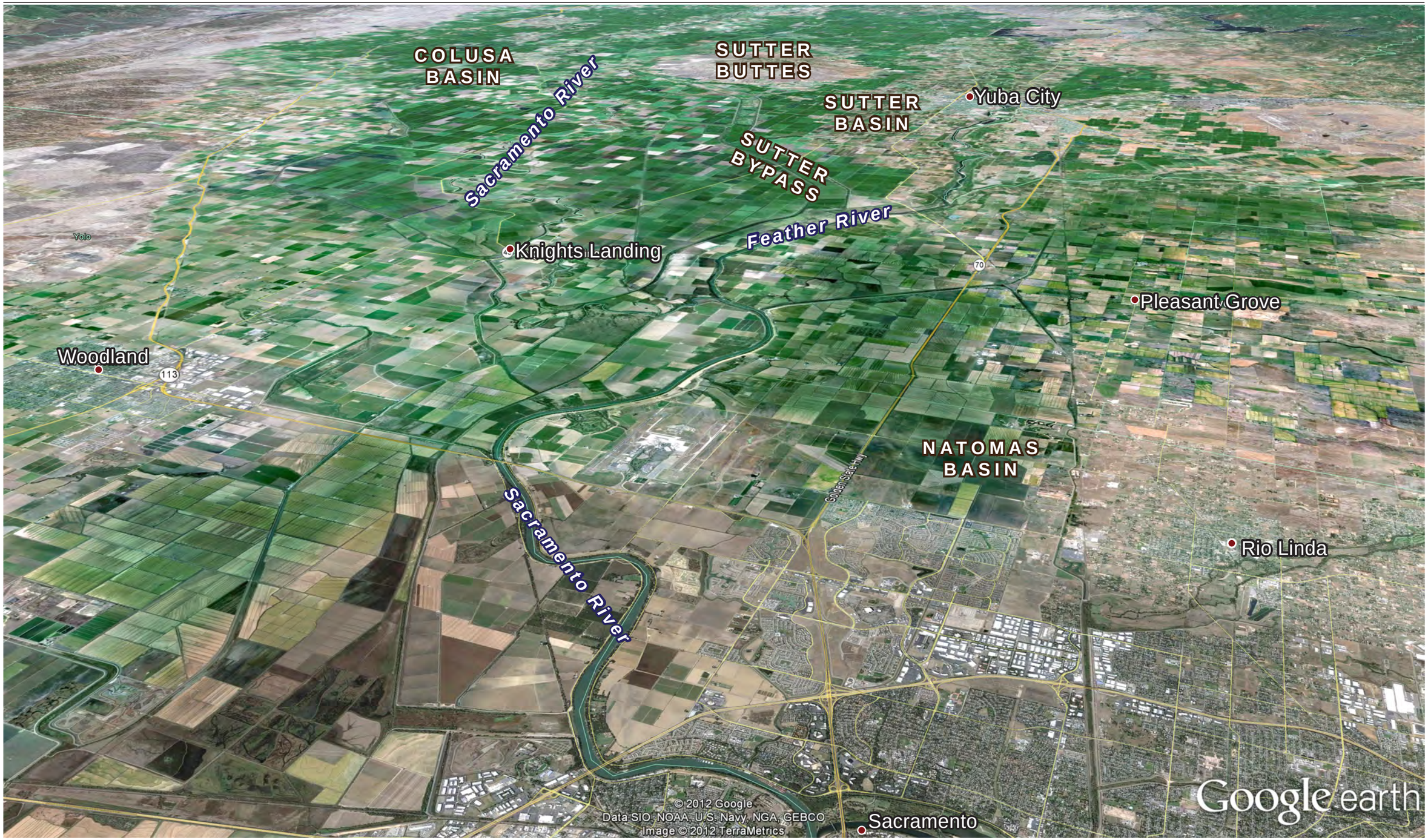
CRC_GAR_Fig2-4PercentRice sbundy 4/30/2012



North

NOT TO SCALE

MAP 2-5
Landforms of the Sacramento Valley between Sacramento and the Sutter Buttes
Rice-Specific Groundwater Assessment Report

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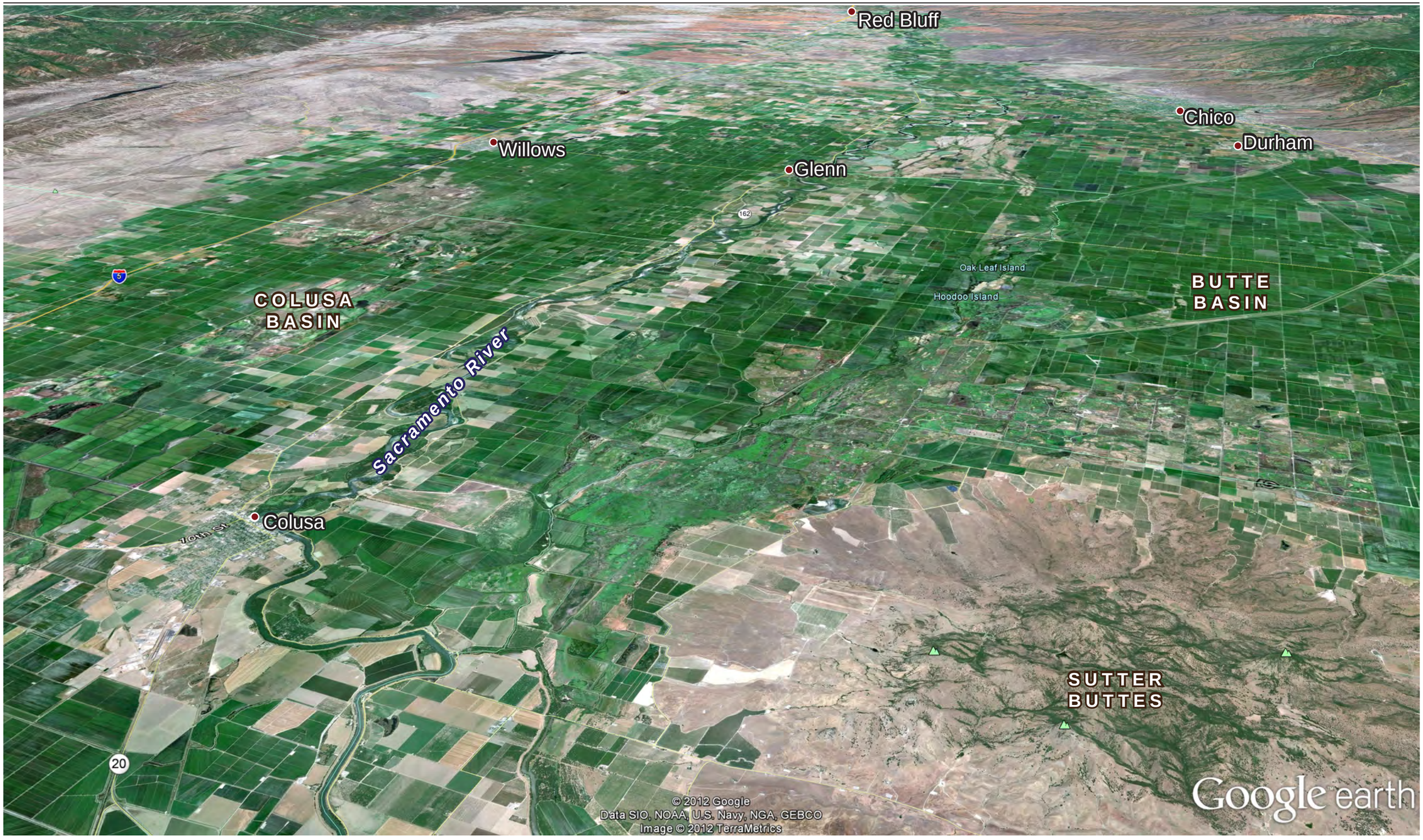
WBG122011013027SAC Map_2-5.ai tdaus 06.27.2013



North

NOT TO SCALE

MAP 2-6
Landforms of the Sacramento Valley between the Sutter Buttes and Red Bluff
Rice-Specific Groundwater Assessment Report

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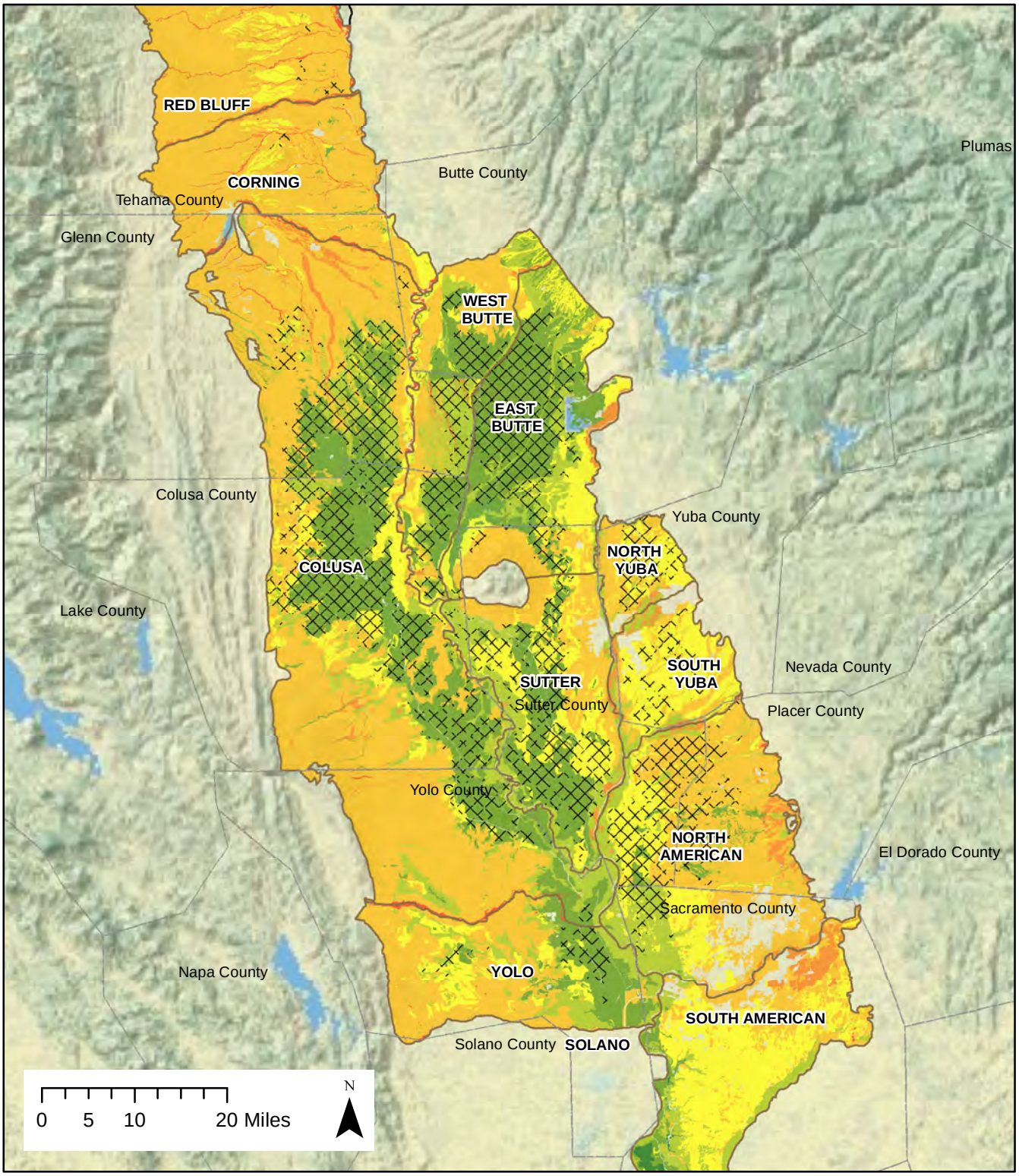
WBG122011013027SAC Map_2-6.ai tdaus 06.27.2013



Data Sources: Groundwater Basins, Rice Crop (California DWR 2010); Drainage Class (NRCS 2012); Basemap, County (ESRI 2011). Datum is NAD83.

Legend

NRCS Soil Drainage Class

- Very poorly drained
- Poorly drained
- Somewhat poorly drained
- Moderately well drained
- Well drained
- Somewhat excessively drained
- Excessively drained

- County Boundary
- Groundwater Basins
- Rice Lands (DWR)

MAP 2-7
NRCS Soil Drainage Classes in the SVGB
Rice-Specific Groundwater Assessment Report

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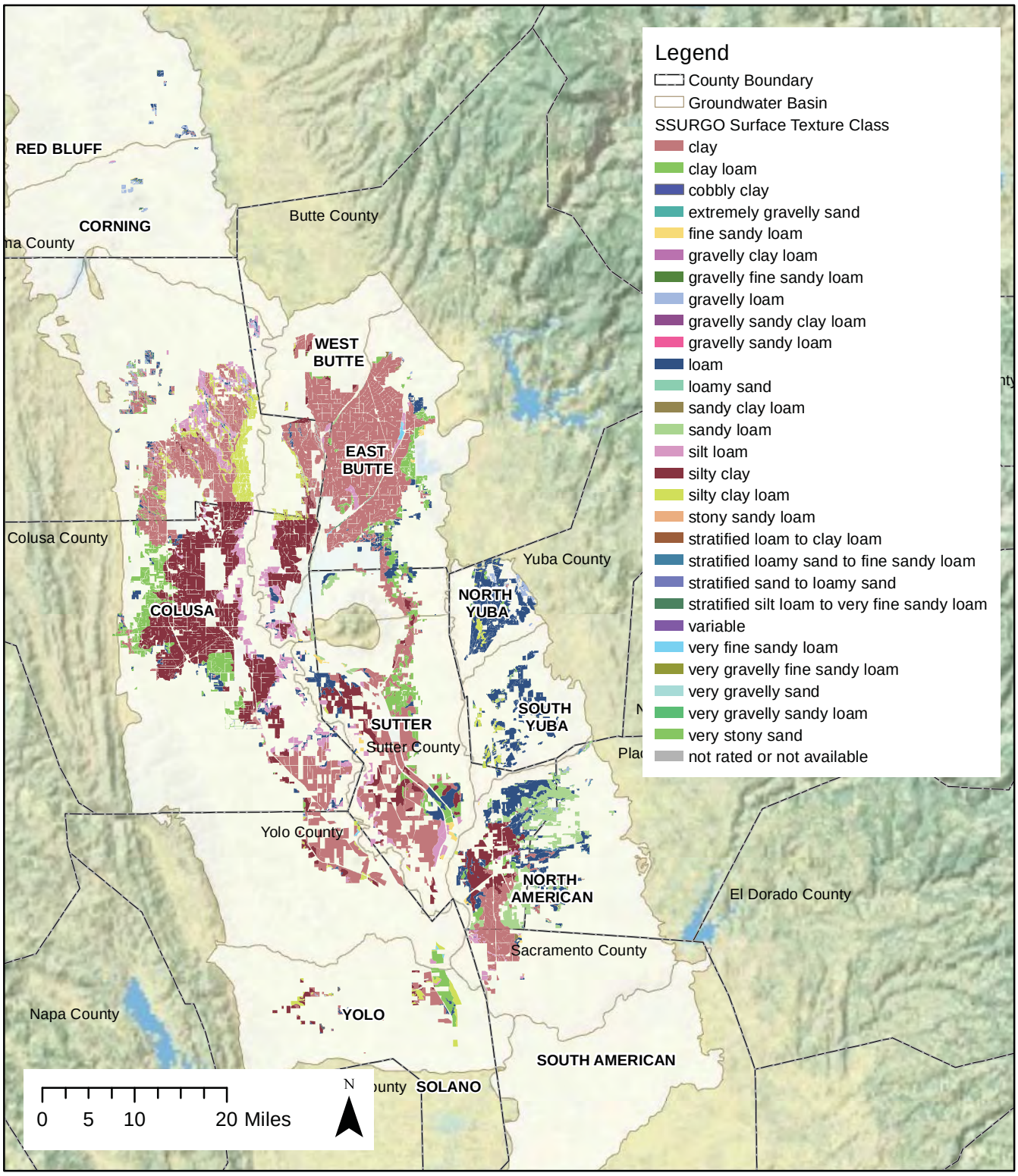
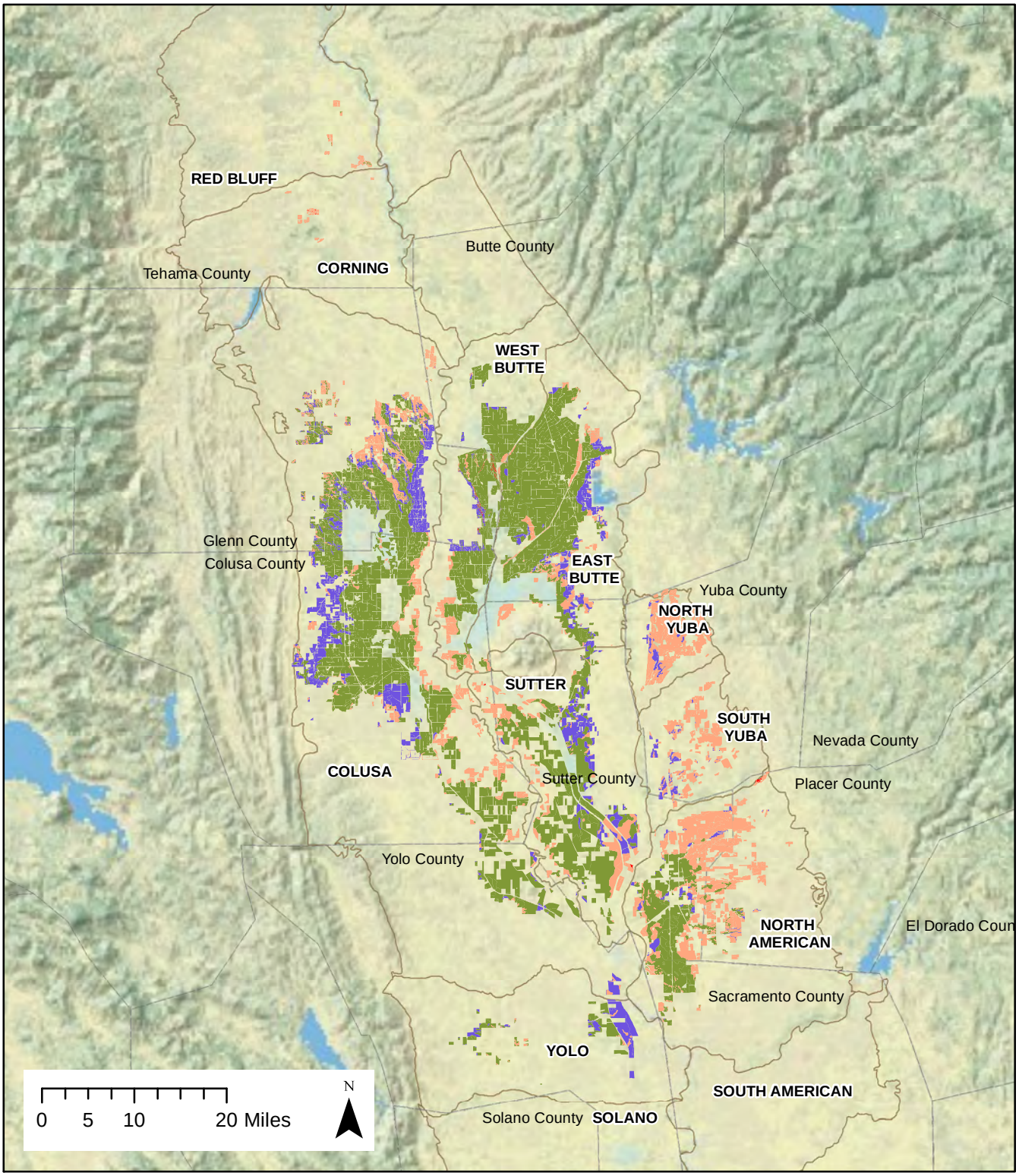
CRC_GAR_Fig2-10_NRCSSoilDrainageClasses sbundy 10/11/2012



Data Sources: Groundwater Basins, Rice Crop (California DWR 2010); Basemap, County (ESRI 2011); Soil Texture (NRCS 2012). Datum is NAD83.

MAP 2-8
SSURGO Soil Textures of Rice Lands
Rice-Specific Groundwater Assessment Report



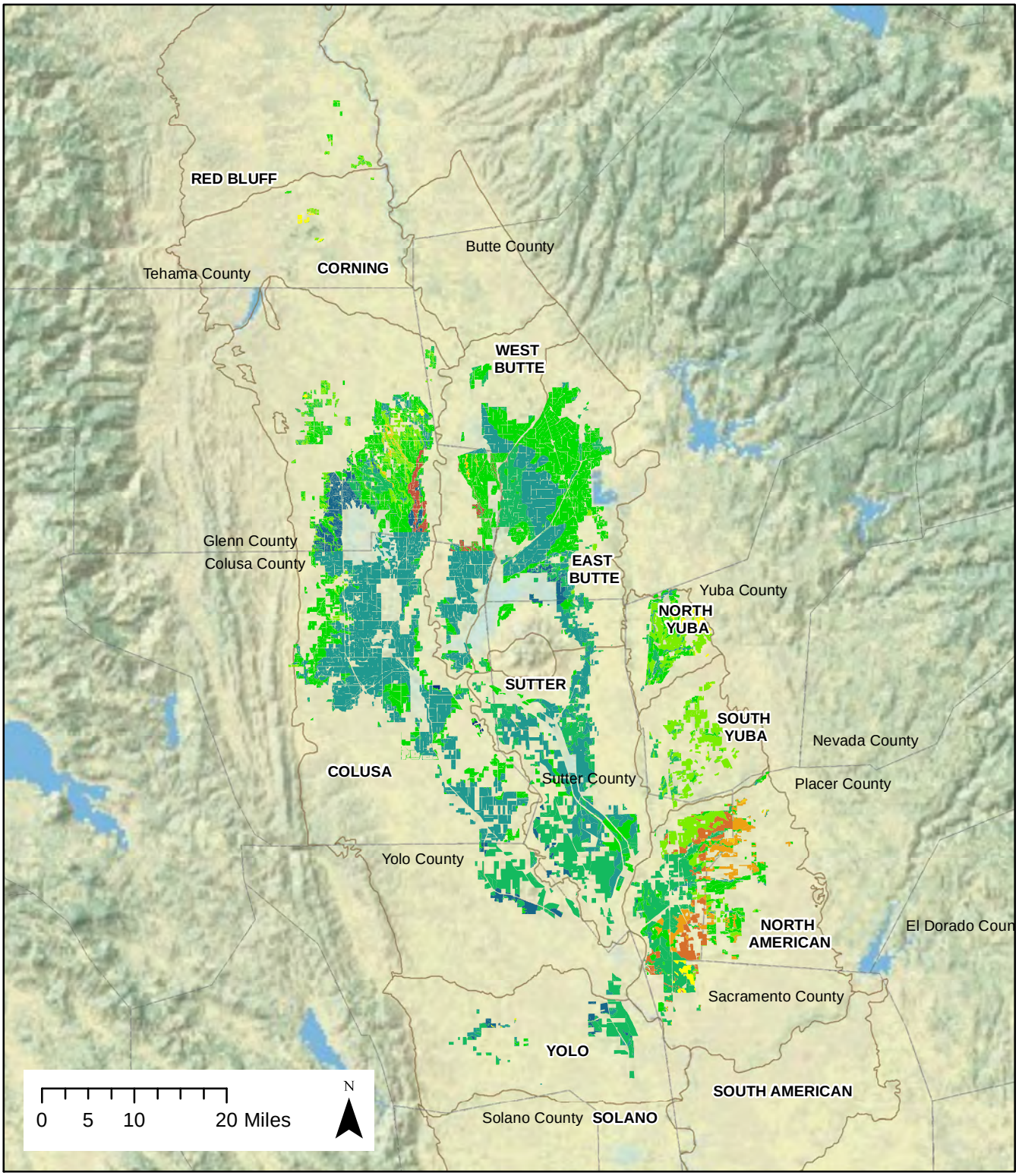
Data Sources: SSURGO (NRCS 2012), Groundwater Basins, Rice Crop (California DWR 2010); Basemap, County (ESRI 2011). Datum is NAD83.

Legend

Hydraulic Conductivity
- Low
- Moderately Low
- Moderately High
- High

- Groundwater Basins
- County Boundary

MAP 2-9
Hydraulic Conductivity of Rice Land Soils
Rice-Specific Groundwater Assessment Report



Data Sources: SSURGO (NRCS 2012), Groundwater Basins (DWR 2010), Rice Crop (California DWR 2010); Basemap, County (ESRI 2011). Datum is NAD83.

Legend

Soil pH

- Ultra acid (pH < 3.5)
- Extremely acid (pH 3.5 - 4.4)
- Very Strongly Acid (pH 4.5 - 5.0)
- Strongly Acid (pH 5.1 - 5.5)
- Moderately Acid (pH 5.6 - 6.0)
- Slightly Acid (pH 6.1 - 6.5)
- Neutral (pH 6.6 - 7.3)
- Slightly alkaline (pH 7.4 - 7.8)
- Moderately alkaline (pH 7.9 - 8.4)
- Strongly alkaline (pH 8.5 - 9.0)
- Very strongly alkaline (pH > 9.0)

- County Boundary
- Groundwater Basins

MAP 2-10
pH of Rice Land Soils
Rice-Specific Groundwater Assessment Report

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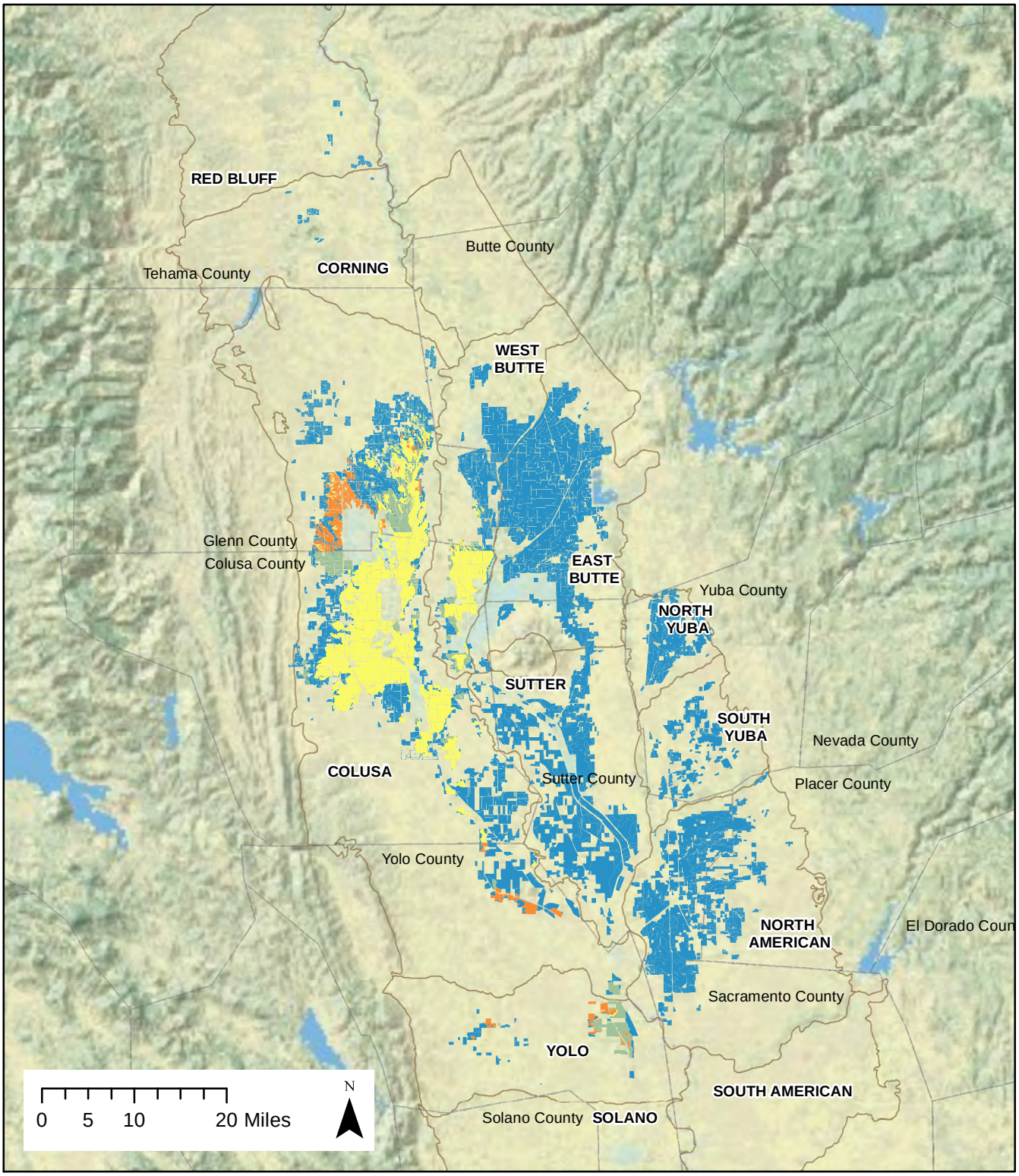


Data Sources: SSURGO (NRCS 2012), Groundwater Basins, Rice Crop (California DWR 2010); Basemap, County (ESRI 2011). Datum is NAD83.

Legend

Soil Electrical Conductivity

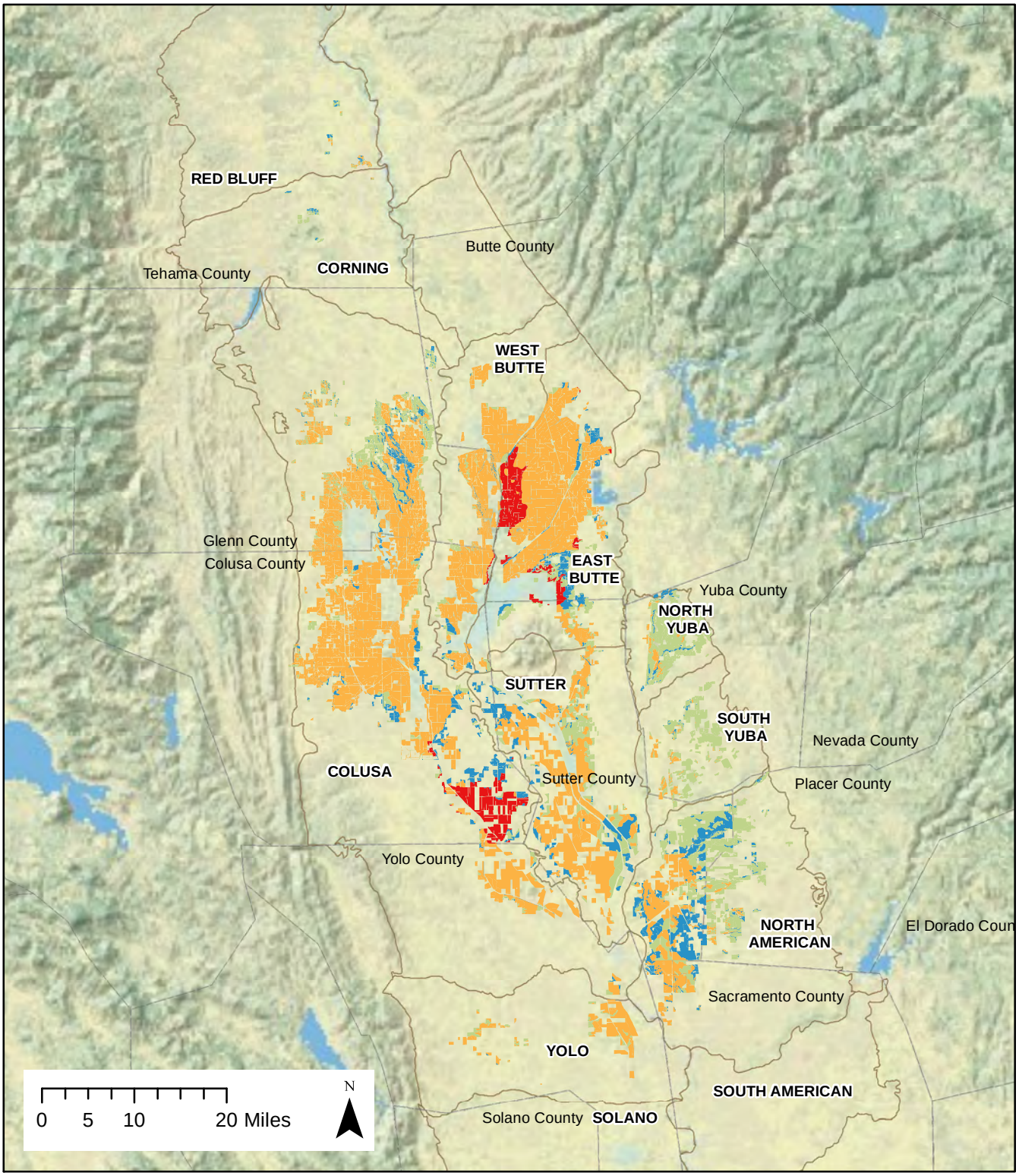
- 0 to 2 dS/m .....nonsaline
- 2 to 4 dS/m ..... very slightly saline
- 4 to 8 dS/m ..... slightly saline
- 8 to 16 dS/m ..... moderately saline
- more than 16 dS/m ..... strongly saline

- County Boundary
- Groundwater Basins

MAP 2-11

Electrical Conductivity of Rice Land Soils

Rice-Specific Groundwater Assessment Report



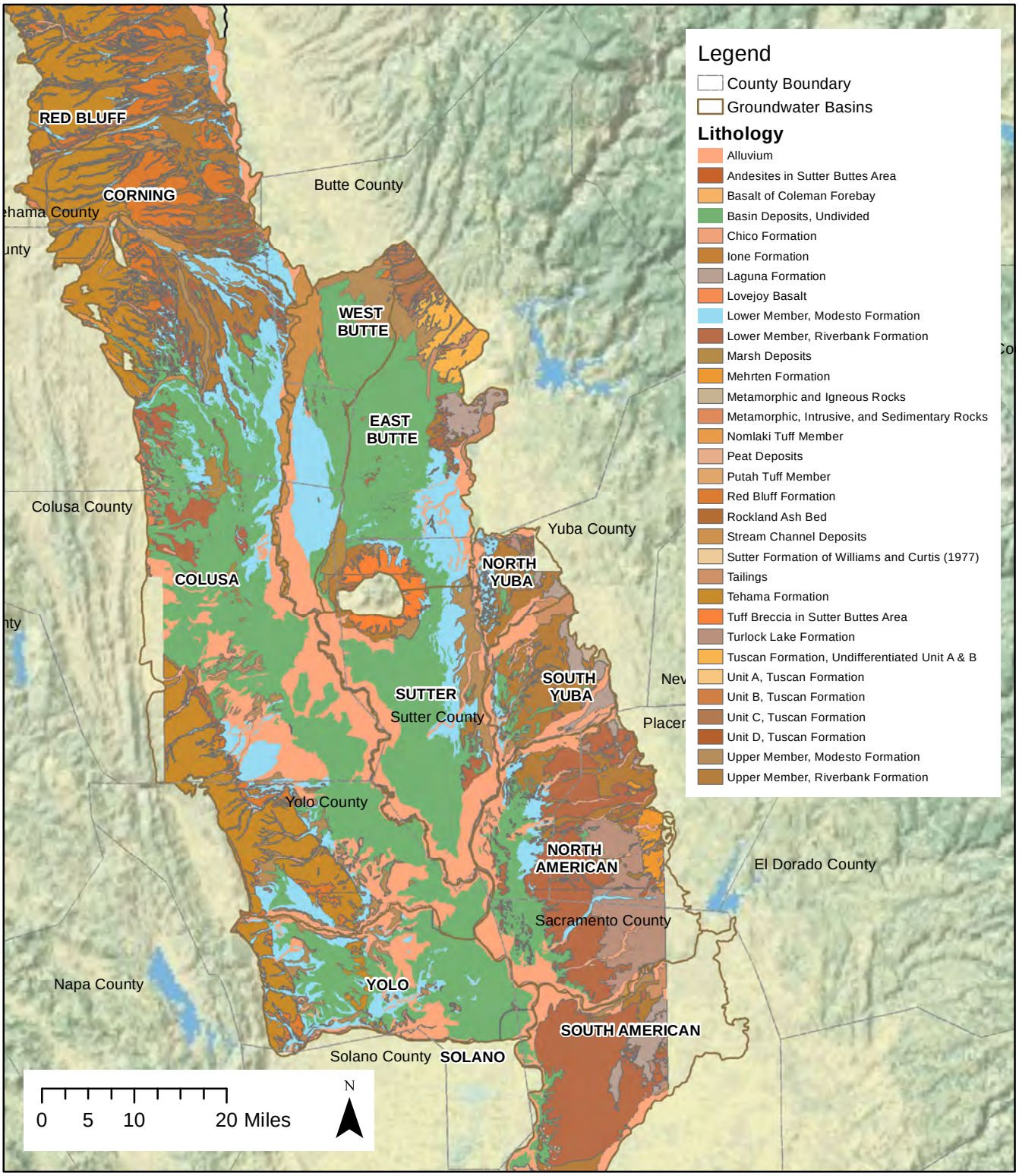
Data Sources: SSURGO (NRCS 2012), Groundwater Basins, Rice Crop (California DWR 2010); Basemap, County (ESRI 2011). Datum is NAD83.

Legend

Linear Extensibility (Shrink-Swell)
- Low (0 - 3)
- Moderate (3 - 6)
- High (6 - 9)
- Very High (9 - 30, max is 12.4)

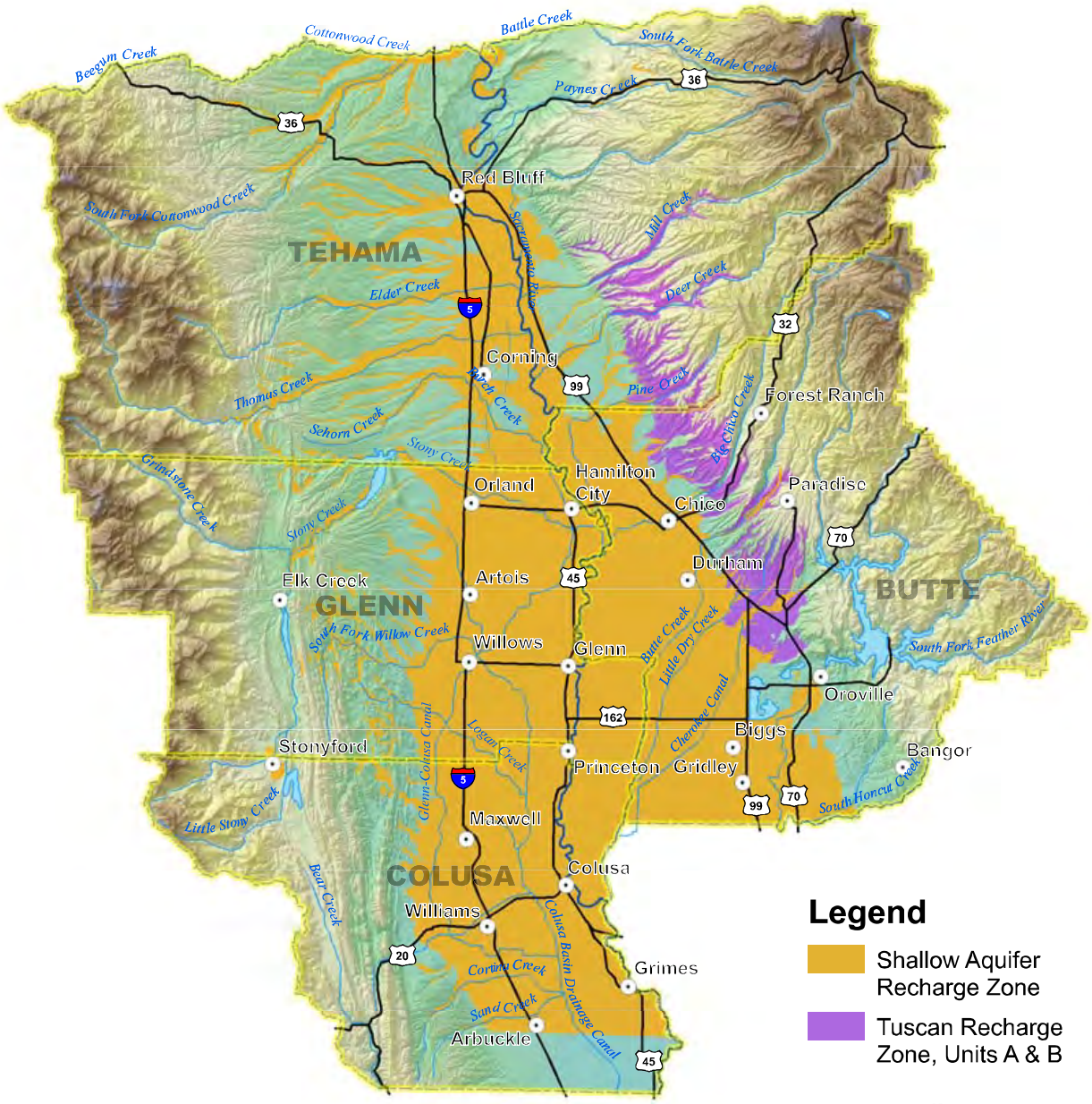
- County Boundary
- Groundwater Basins

MAP 2-12
Linear Extensibility (Shrink-Swell) of Rice Land Soils
Rice-Specific Groundwater Assessment Report



Data Sources: Groundwater Basins, Rice Crop (California DWR 2010); NRCS; Basemap, County (ESRI 2011). Datum is NAD83.

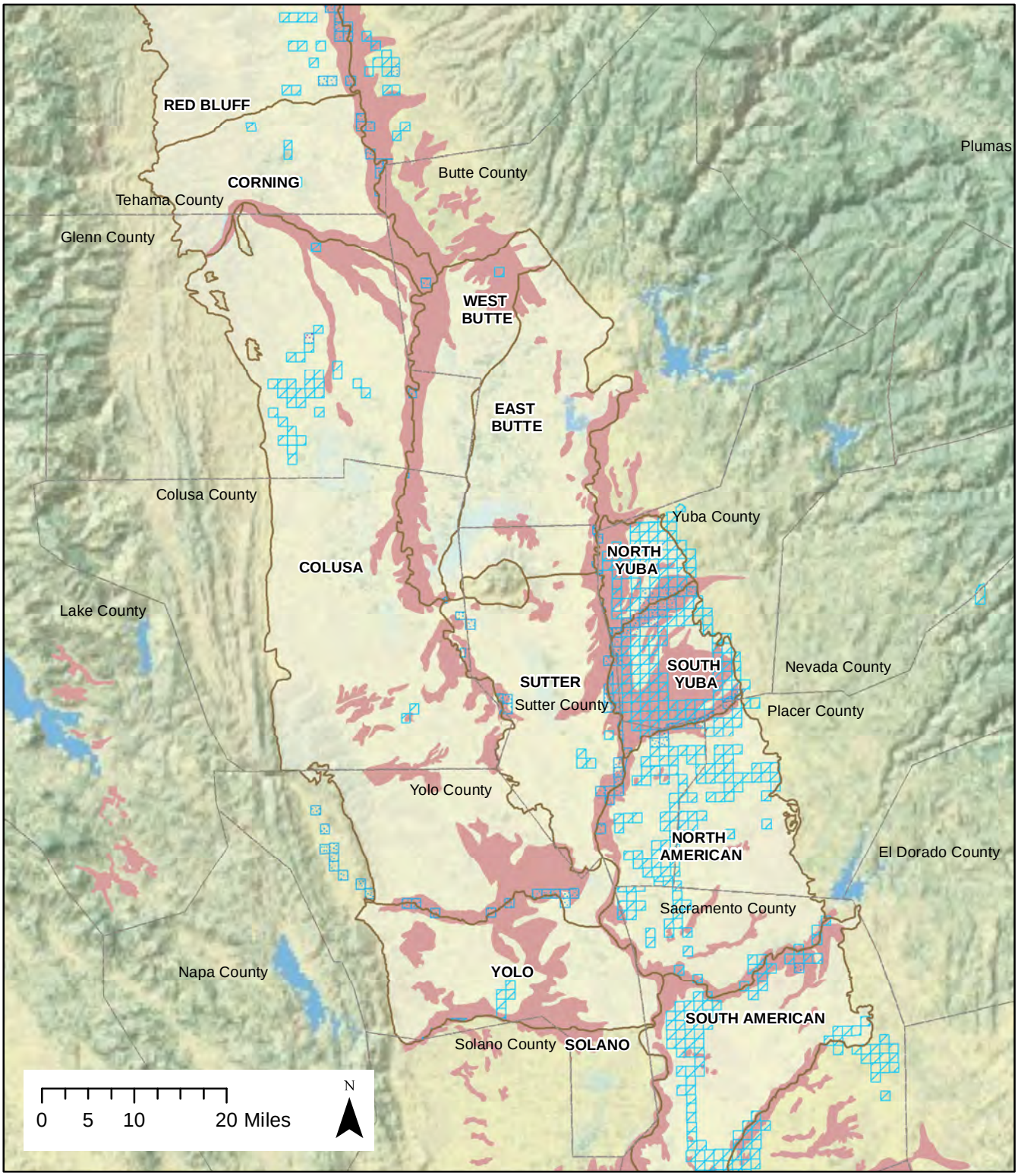
MAP 2-13
Lithology in the SVGB
Rice-Specific Groundwater Assessment Report



Source:
National Geographic TOPO! Software
California Spatial Information Library
Department of Water Resources, Northern District

MAP 2-14
Groundwater Recharge Areas in the Northern Sacramento Valley
Rice-Specific Groundwater Assessment Report

Note: Reproduced from Glenn County Department of Agriculture 2005.



Data Sources: Groundwater Basins, Rice Crop (California DWR 2010); Basemap, County (ESRI 2011); SWRCB (2000); DPR (2004). Datum is NAD83.

Legend

- SWRCB Initial HVA
- County Boundary
- Groundwater Basins

DPR GPAs

- Leaching
- Runoff
- Runoff or Leaching

MAP 2-15

SWRCB Initial HVAs and DPR GPAs

Rice-Specific Groundwater Assessment Report

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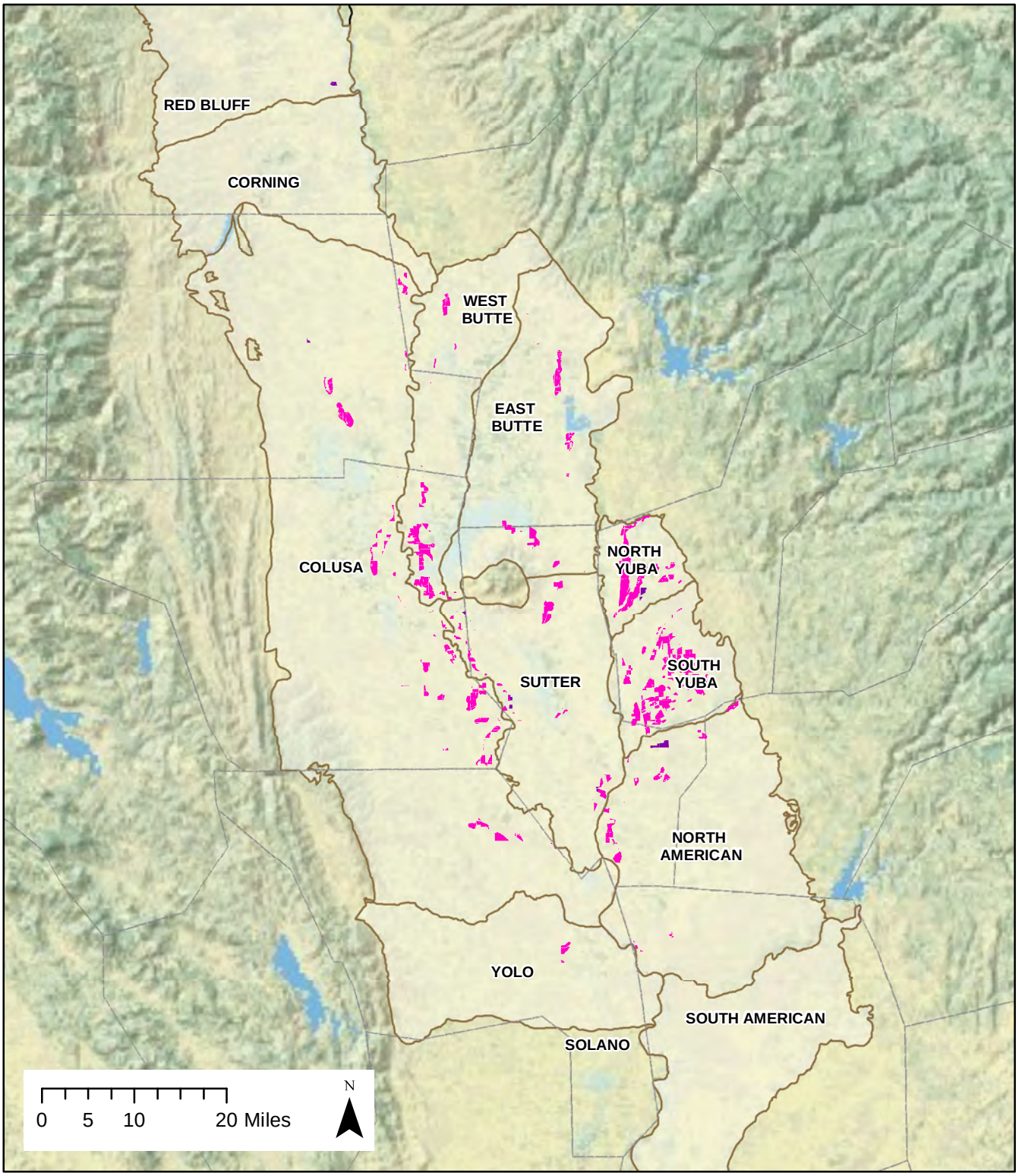

Data Sources: Groundwater Basins, Rice Crop (California DWR 2010); Basemap, County (ESRI 2011); SWRCB (2000); DPR (2004). Datum is NAD83.

Legend

- Rice within Initial SWRCB HVA
- Rice within DPR Leaching and Leaching or Runoff GPA
- County Boundary
- Groundwater Basins

MAP 2-16
Rice Lands in
SWRCB Initial HVAs and DPR GPAs
Rice-Specific Groundwater Assessment Report

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