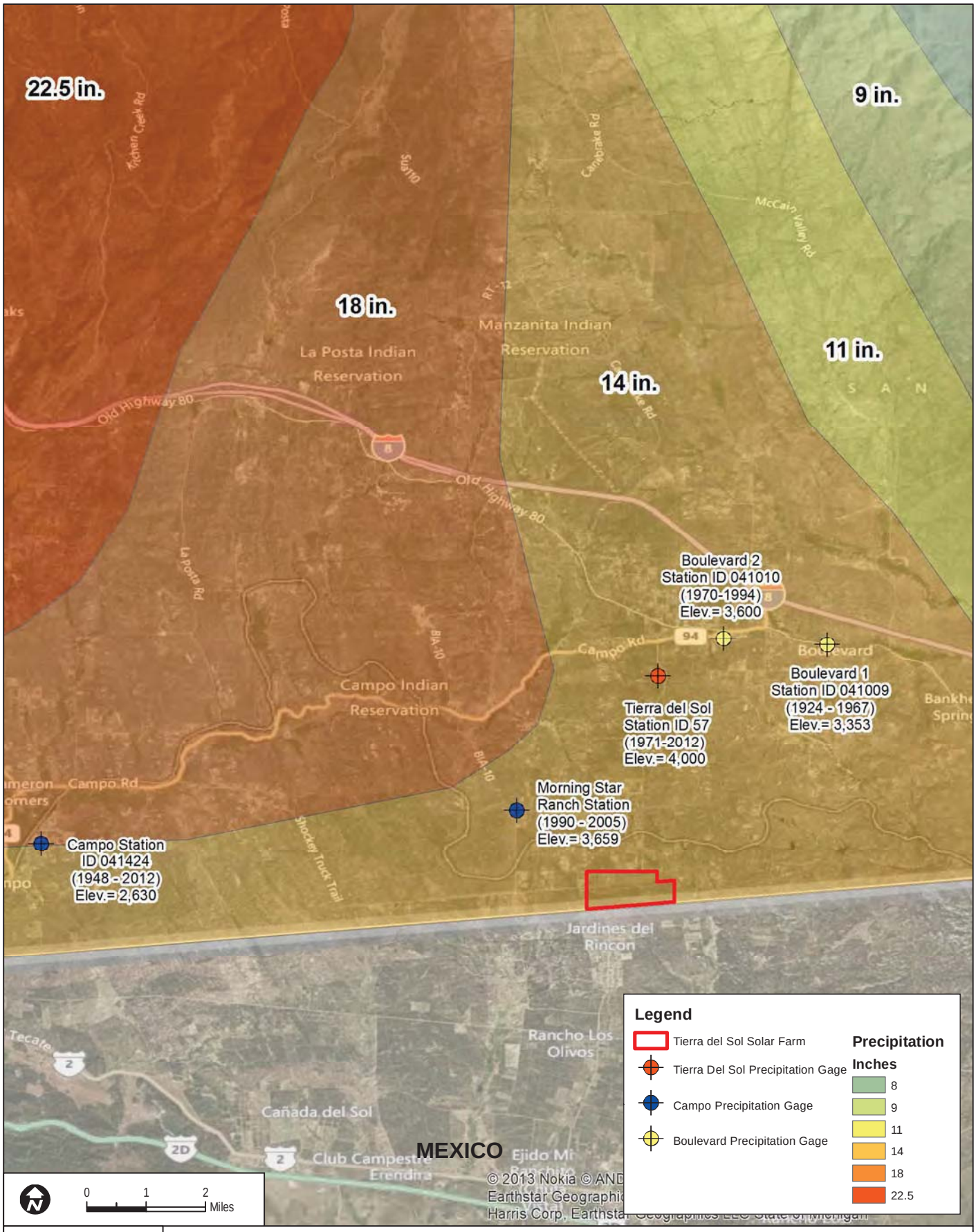


DUDEK

7123

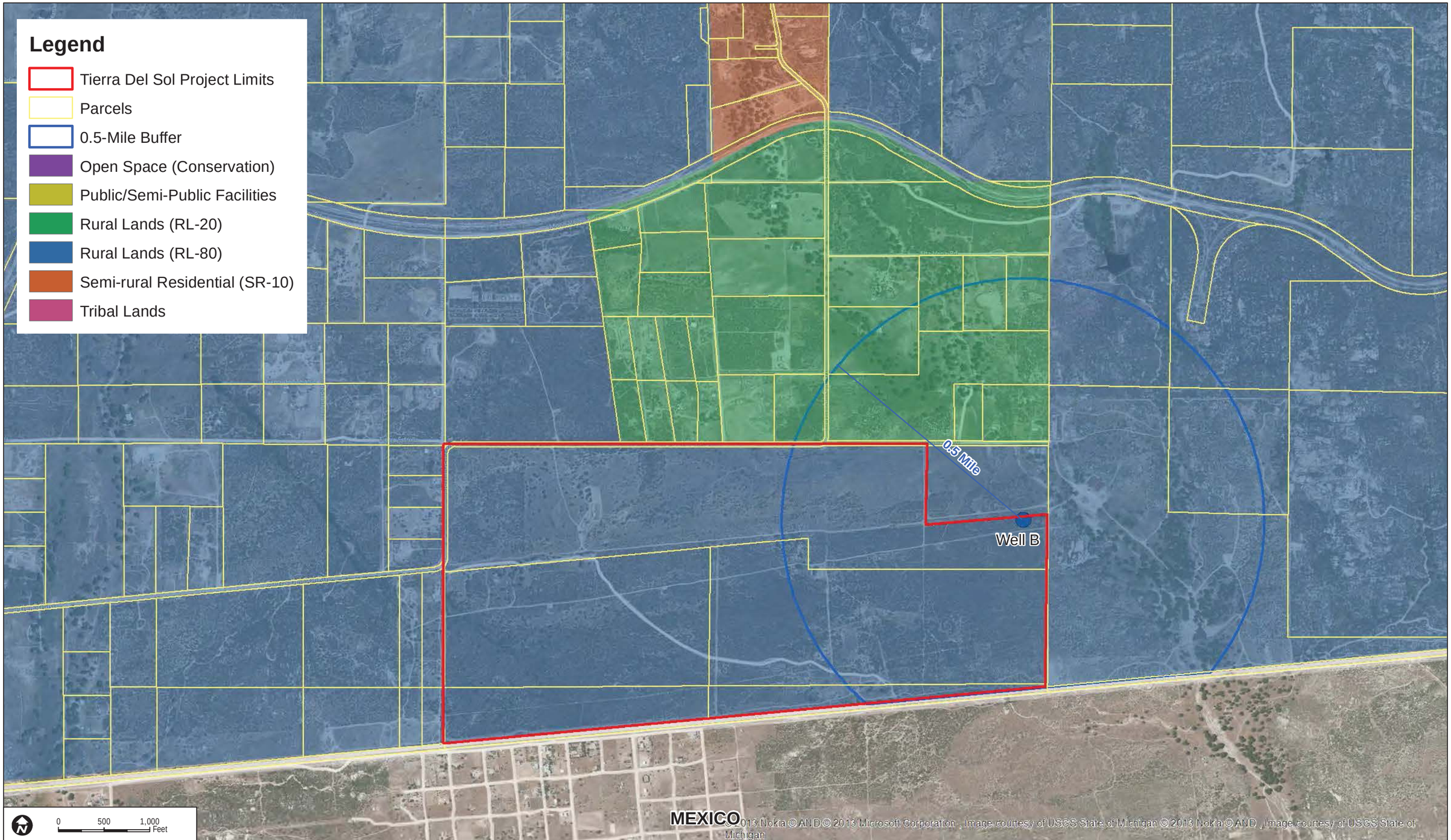
NOVEMBER 2013

SOURCE: BING MAPS, USGS PRECIPITATION DATA

FIGURE 4

Regional Mean Annual Precipitation

GROUNDWATER RESOURCES INVESTIGATION REPORT - TIERRA DEL SOL SOLAR FARM



DUDEK

7123
NOVEMBER 2013

SOURCE: Bing Maps, SanGIS

FIGURE 5
Current General Plan Land Use

INTENTIONALLY LEFT BLANK

Legend

Tierra Del Sol Solar Farm Limits

Geologic Unit, Name

- Qya, Young alluvium
- Qt, Terrace deposits
- Ta, Anza Formation
- Tj, Jacumba Volcanics
- Kgm, Tonalite of Granite Mountain
- Kih, Indian Hill granodiorite of Parrish and others (19
- Klp, Tonalite of La Posta
- Ktg, Tonalite and grabbro
- Jsp, Migmatitic schist and gneiss of Stephenson Peak
- MzPzm, Rocks of Jacumba Mountains

Kgm
Jsp
MzPzm
Ktg
Qya
Klp
Kih
Ta
Tj
Qt
Klp
Mexico
0 0.5 1 Miles

Copyright: © 2013 National Geographic Society, i-cubed

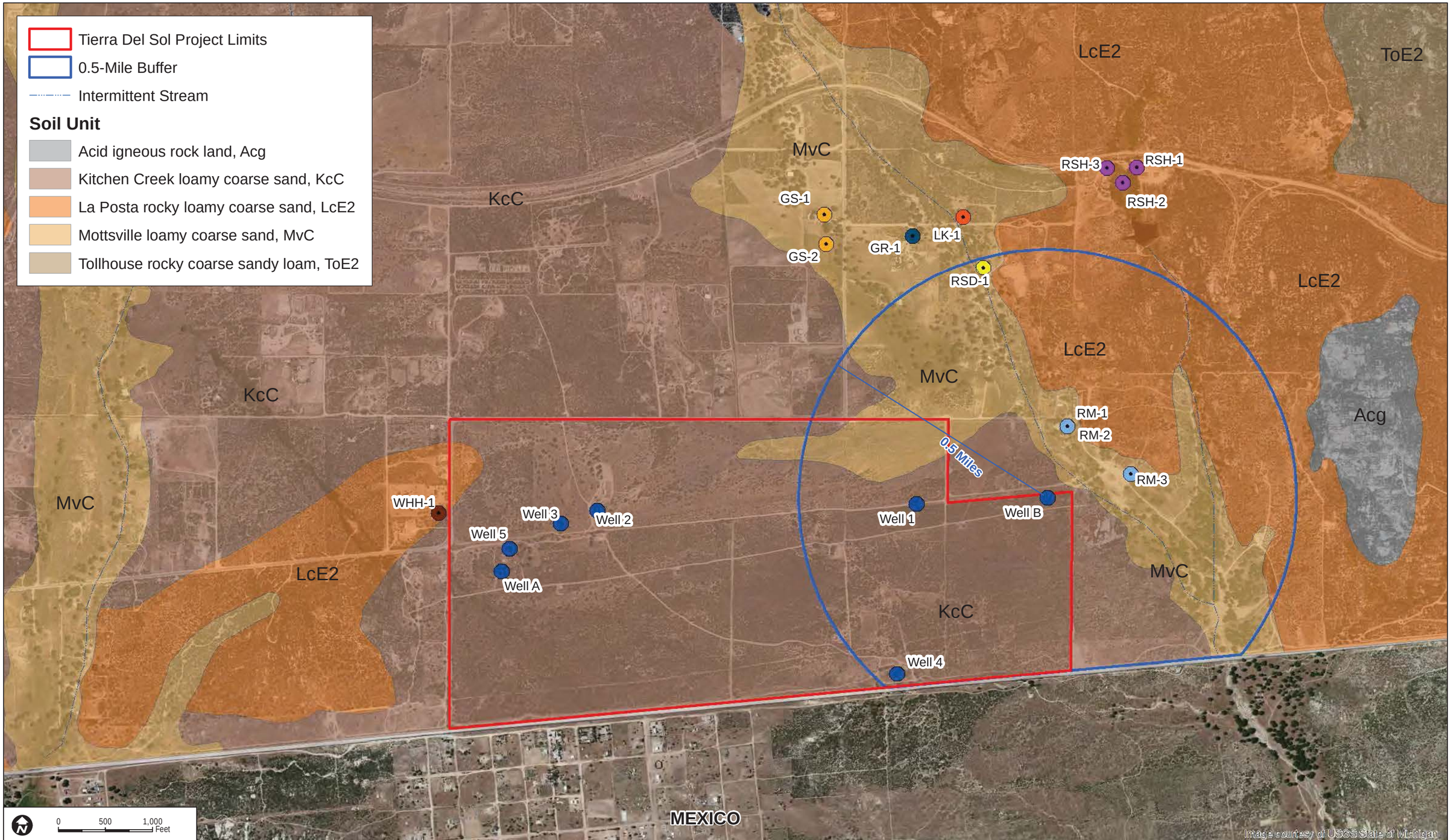
DUDEK

7123
NOVEMBER 2013

SOURCE: Bing Maps, SanGIS 2012

FIGURE 6
Regional Geologic Map

INTENTIONALLY LEFT BLANK



DUDEK

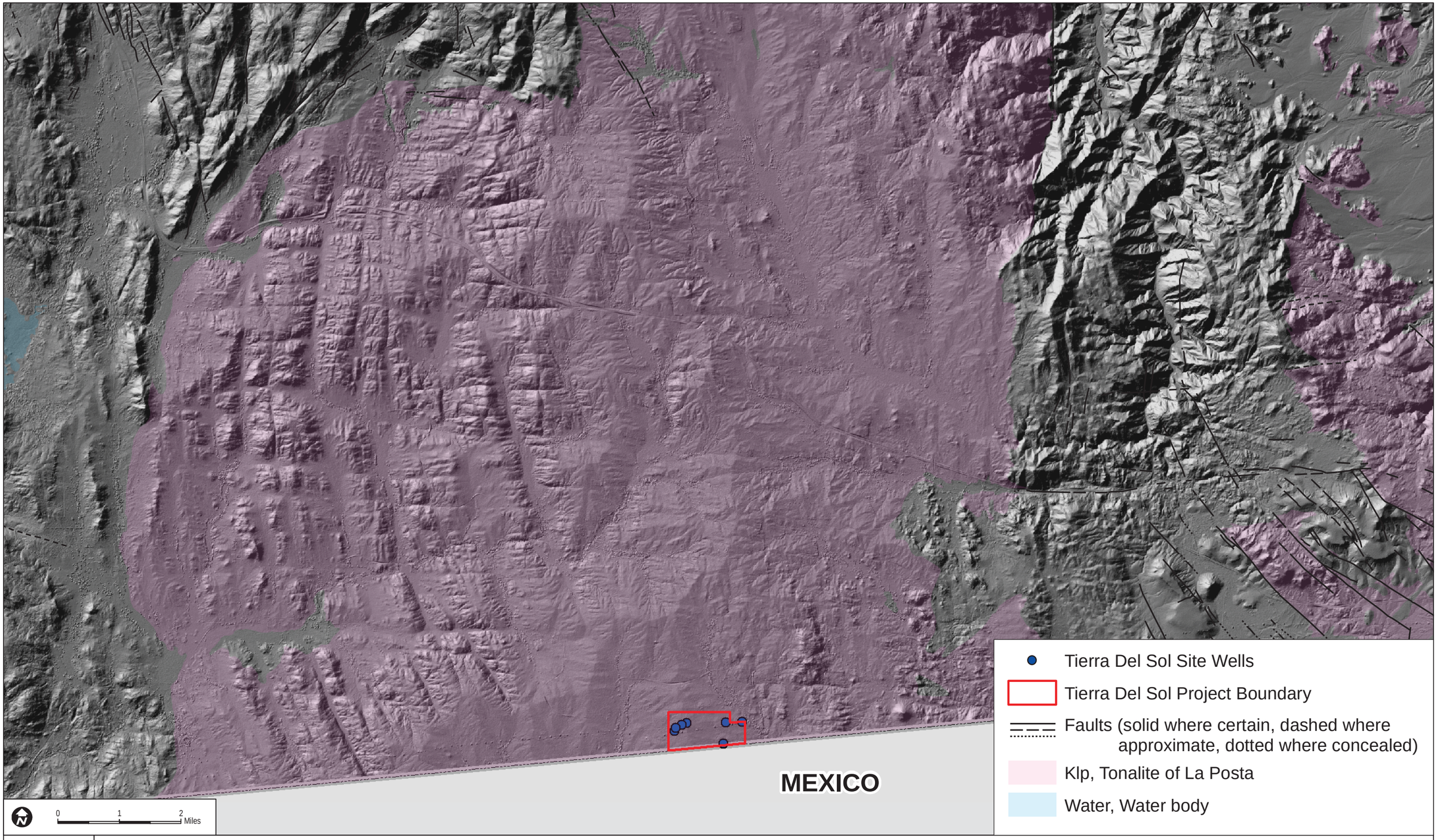
SOURCE: Bing Maps, SanGIS 2010

FIGURE 7
Soils Map

7123
NOVEMBER 2013

GROUNDWATER RESOURCES INVESTIGATION REPORT - TIERRA DEL SOL SOLAR FARM

INTENTIONALLY LEFT BLANK



DUDEK

7123

NOVEMBER 2013

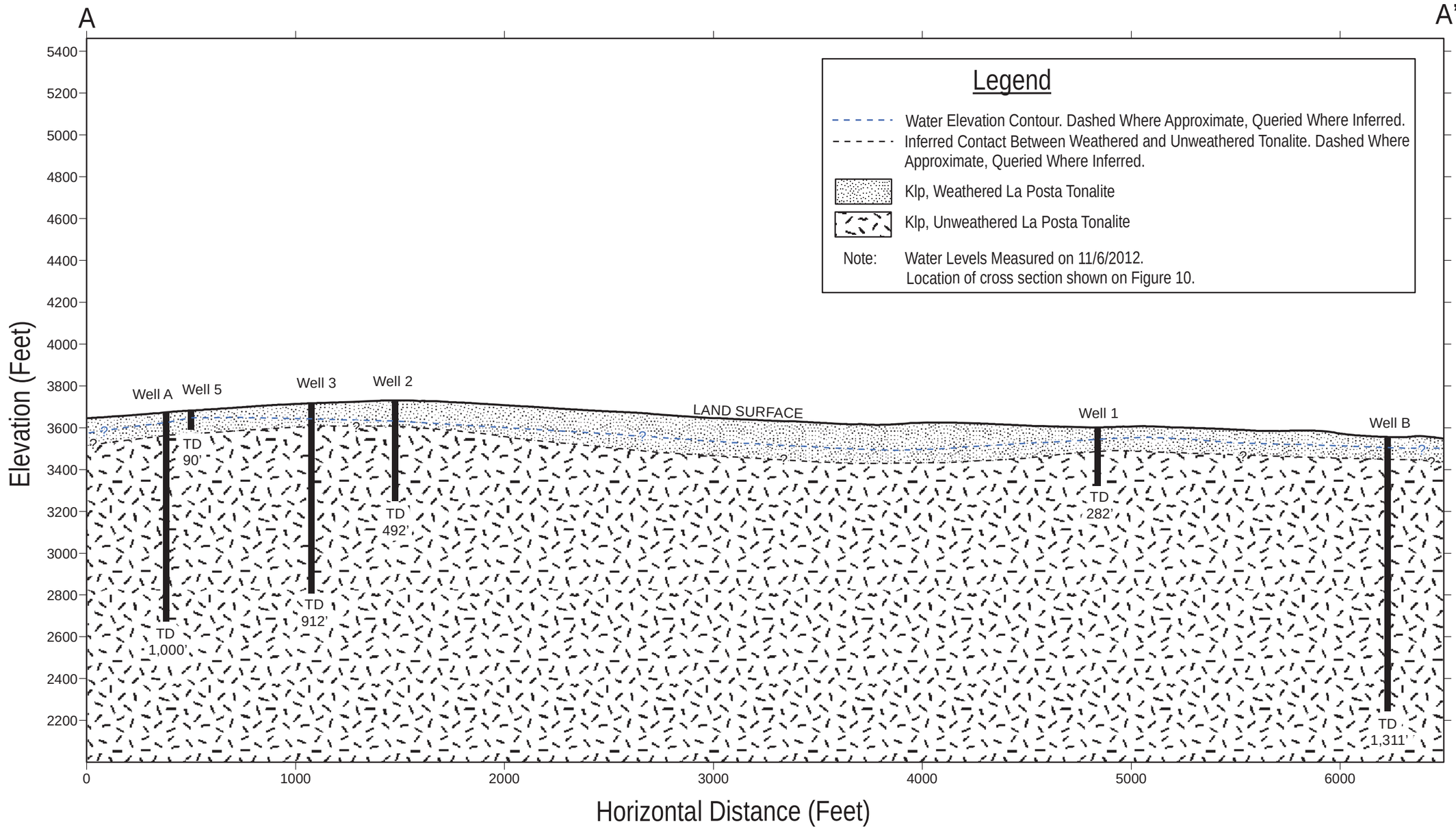
SOURCE: NOAA

FIGURE 8

IFSAR DIGITAL ELEVATION MODEL

GROUNDWATER RESOURCES INVESTIGATION REPORT - TIERRA DEL SOL SOLAR FARM

INTENTIONALLY LEFT BLANK

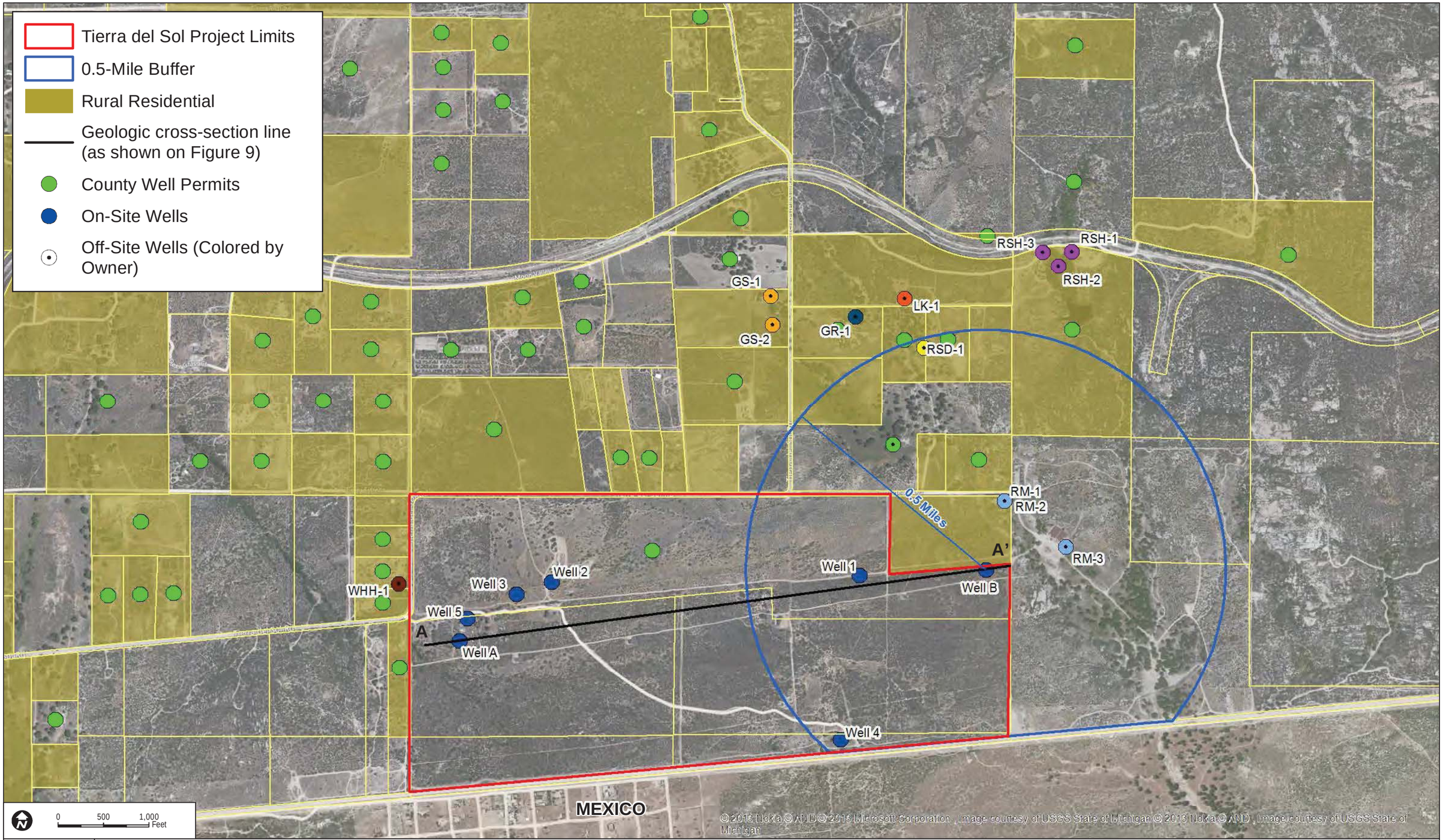


Scale
1 inch = 500 feet
No Vertical Exaggeration

SOURCE: Crossview 1.1

FIGURE 9
Tierra Del Sol Conceptual Hydrologic Cross Section A-A'

INTENTIONALLY LEFT BLANK



DUDEK

SOURCE: Bing Maps, SanGIS 2010, SANDAG 2009

FIGURE 10
On-site and Off-site Well Locations

INTENTIONALLY LEFT BLANK

Tierra del Sol Solar Farm Boundary

Potential Groundwater-Dependent Habitat

Vegetation

OW, Open Water

DL, Disturbed Land

dBSC, disturbed Flat-topped Buckwheat

CLOW, Coast Live Oak Woodland

BSS, Big Sagebrush Scrub

CC, Granitic Chamise Chaparral

RSC, Red Shank Chaparral

SOC, Scrub Oak Chaparral

GMX, Granitic Mixed Chaparral

CC/BSC, Granitic Chamise Chaparral/Flat-topped Buckwheat

GMX/BSC, Granitic Mixed Chaparral/Flat-topped Buckwheat

BSC, Flat-topped Buckwheat

BSC/RSC, Flat-topped Buckwheat/Red Shank Chaparral

Tierra del Sol Rd

Potential Groundwater-Dependent Habitat

MEXICO

0 250 500 Feet

© 2013 Nokia © AND © 2013 Microsoft Corporation , Image courtesy of USGS State of Michigan © 2013 Nokia © AND , Image courtesy of USGS State of Michigan

SOURCE: Bing Maps, SanGIS, Dudek 2012

FIGURE 11

Potential Groundwater-Dependent Vegetation

INTENTIONALLY LEFT BLANK