ESTIMATED FLOOD DEPTHS
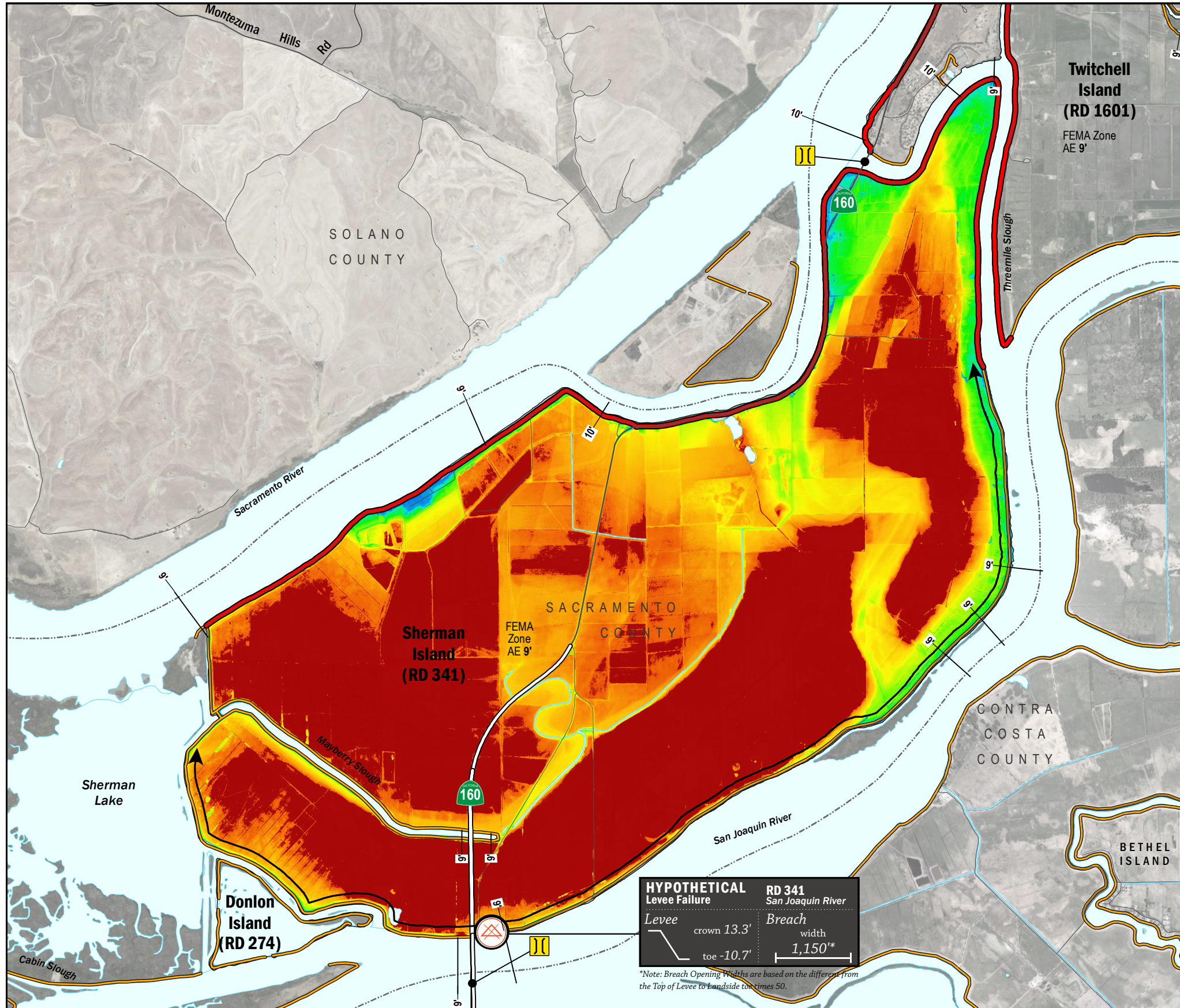
LEGEND

Hypothetical Levee Failure Location
Arrows Indicate Breach Extents

18' ———— Effective FEMA Base Flood Elevation (feet)
(Date 2/16/2012)

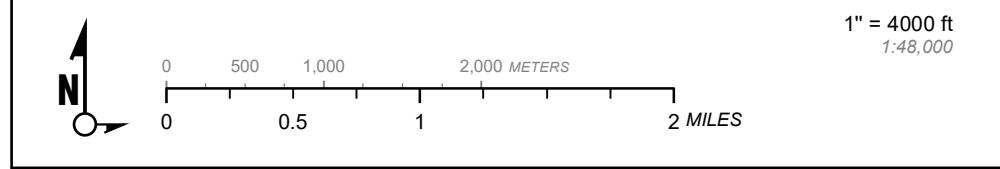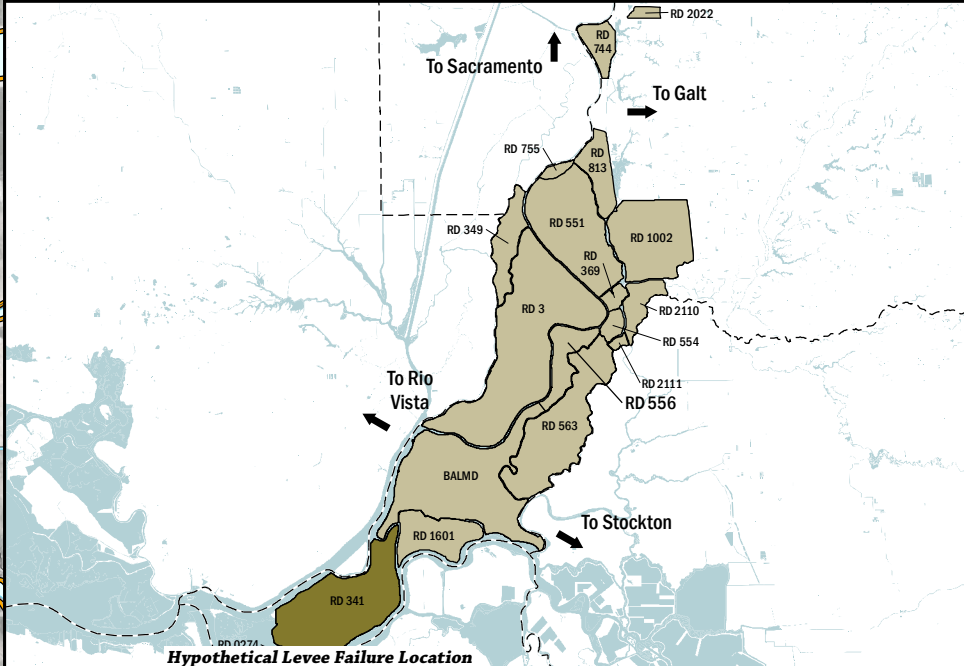### ESTIMATED FLOOD DEPTH
(feet)

29.4' — 30'
25'
20'
15'
10'
5'
0' — 0'

LEVEES

— Project
— Non-Project

CRITICAL INFRASTRUCTURE

Bridge *Over Waterway*
F Fire Station
P Police Station
S School

NOTES

1. The hypothetical levee failure location is arbitrary. The flood depth results are approximate. Similar results would occur from a failure anywhere along the San Joaquin River levee.
2. Estimated flood depths will vary based on tidal conditions. Maximum water surface elevation will vary between elevation 7.0'-10.0' (NAVD88)
3. The time to maximum depth after levee failure is approximately 5 days.
4. Elevations are provided in NAVD88 datum.
5. FEMA Zone AE Elevation 9.0' (NAVD88) is the 1% annual chance base flood designation for RD 341 due to non-accredited levees.
6. The levee failure opening width was an approximation based on the difference between the maximum water surface elevation and the landside toe times 50.

Montezuma Hills Rd

Twitchell Island (RD 1601)
FEMA Zone AE 9'

SOLANO COUNTY

160

Threemile Slough

Sacramento River

SACRAMENTO COUNTY

Sherman Island (RD 341)

FEMA Zone AE 9'

Mayberry Slough

160

Sherman Lake

CONTRA COSTA COUNTY

Donlon Island (RD 274)

San Joaquin River

BETHEL ISLAND

Cabin Slough

HYPOTHETICAL Levee Failure — RD 341 *San Joaquin River*

Levee
crown 13.3'
toe -10.7'

Breach
width
1,150'*

*Note: Breach Opening Widths are based on the difference from the Top of Levee to Landside toe times 50.

N
0   500   1,000   2,000 *METERS*
0   0.5   1   2 *MILES*

1" = 4000 ft
1:48,000

Delta Flood Emergency Safety Plan
Sacramento County, California

GEI Consultants

Dynamic *Planning + Science*

RD 341

RD 2022
RD 744
To Sacramento
To Galt
RD 755
RD 813
RD 349
RD 551
RD 1002
RD 369
RD 3
RD 2110
RD 554
RD 2111
RD 556
To Rio Vista
RD 563
BALMD
To Stockton
RD 1601
RD 341
RD 274
Hypothetical Levee Failure Location

ESTIMATED FLOOD DEPTHS FOR A HYPOTHETICAL LEVEE FAILURE LOCATED AT SAN JOAQUIN RIVER

May 2017

Figure D2A