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)

30.0' — 30'
25'
20'
15'
10'
5'
0.0' — 0'

LEVEES

— **Project**

— **Non-Project**

CRITICAL INFRASTRUCTURE

Bridge *Over Waterway*

F Fire Station

P Police Station

S School

Map labels

Montezuma Hills Rd

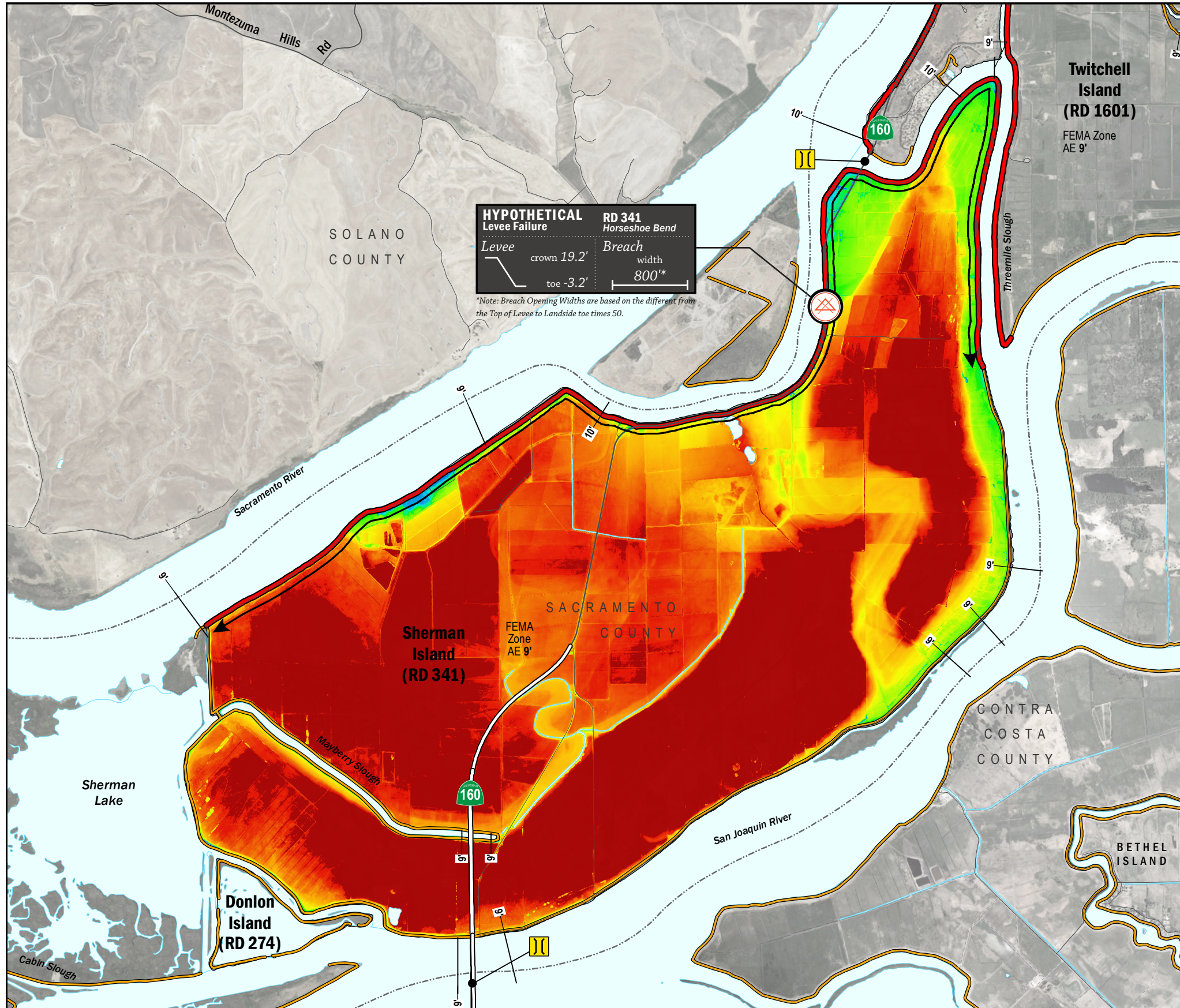**Twitchell Island (RD 1601)**
FEMA Zone AE 9'

SOLANO COUNTY

HYPOTHETICAL Levee Failure — **RD 341** *Horseshoe Bend*
Levee — crown 19.2' — toe -3.2'
Breach — width 800'*
Note: Breach Opening Widths are based on the different from the Top of Levee to Landside toe times 50.

Threemile Slough

Sacramento River

Sherman Island (RD 341)

FEMA Zone AE 9'

SACRAMENTO COUNTY

CONTRA COSTA COUNTY

Sherman Lake

Mayberry Slough

San Joaquin River

BETHEL ISLAND

Donlon Island (RD 274)

Cabin Slough

NOTES
1. The hypothetical levee failure location is arbitrary. Similar results would occur from a levee failure along the Sacramento River, Horseshoe Bend or Threemile Slough levee within the limits shown on the map. The depth of flooding will vary based on tidal elevation conditions.
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.

Location inset

To Sacramento
To Galt
To Rio Vista
To Stockton

Hypothetical Levee Failure Location

RD 2022, RD 744, RD 755, RD 813, RD 349, RD 551, RD 1002, RD 369, RD 3, RD 2110, RD 554, RD 2111, RD 556, RD 563, BALMD, RD 1601, RD 341, RD 0274

Scale / title block

N

0 — 500 — 1,000 — 2,000 METERS

1" = 4000 ft
1:48,000

0 — 0.5 — 1 — 2 MILES
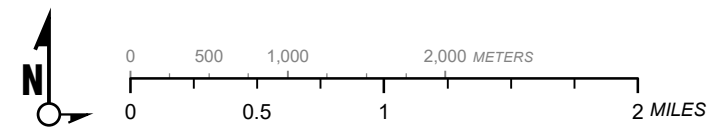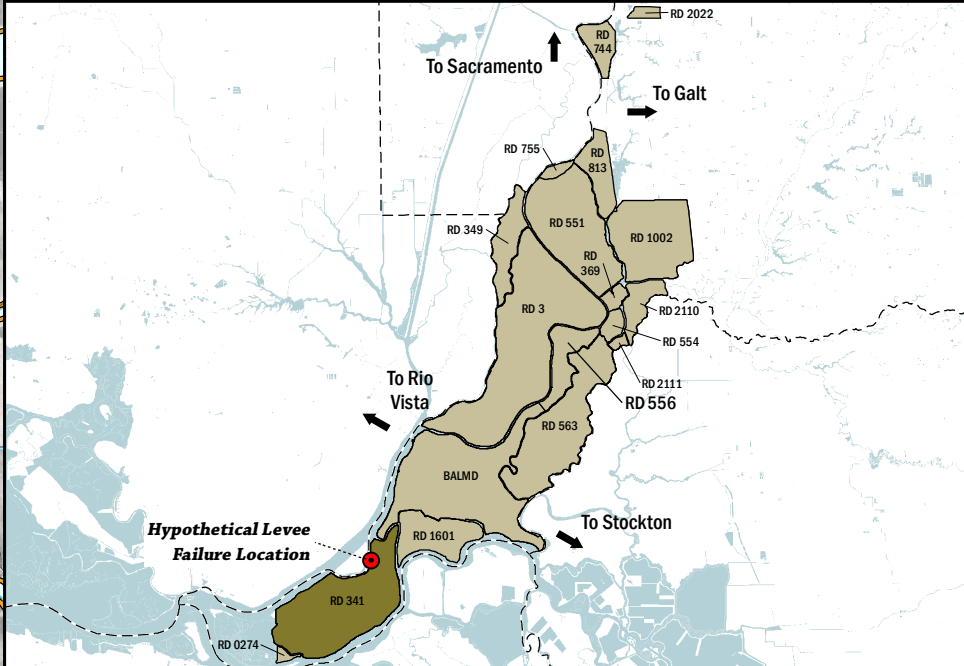
Delta Flood Emergency Safety Plan
Sacramento County, California

RD 341

GEI Consultants

Dynamic *Planning + Science*

ESTIMATED FLOOD DEPTHS FOR A HYPOTHETICAL LEVEE FAILURE LOCATED AT HORSESHOE BEND

May 2017

Figure D1A