TIME OF INUNDATION

Grand Island (RD 3)

Walnut Grove (RD 554)

Note: Cross levee seperating RD 554 and 563 (Walnut Grove-Thornton Rd) varies from elevation 12.0' - 15.0'

Beaver Lake

WALNUT GROVE

FEMA Zone AE 17'

Walnut Grove Rd

FEMA Zone AE 9'

FEMA Zone AE 17'

Upper Andrus (RD 556)

Tyler Island (RD 563)

HYPOTHETICAL Levee Failure

RD 563 *Mokelumne River*

Levee   crown 15.1'   *Breach* width 810'
              toe -1.1'

SOLANO COUNTY

SACRAMENTO COUNTY

FEMA Zone AE 10'

Sacramento River

SOUTHERN PACIFIC

North Mokelumne River

FEMA Zone AE 9'

Beaver Slough

South Mokelumne River

SAN JOAQUIN COUNTY

160

ISLETON

BALMD (RD 317, 407, 2067)

FEMA Zone AE 9'

Terminous Rd

Jackson Rd

Georgiana Slough

South Mokelumne River

South Mokelumne River
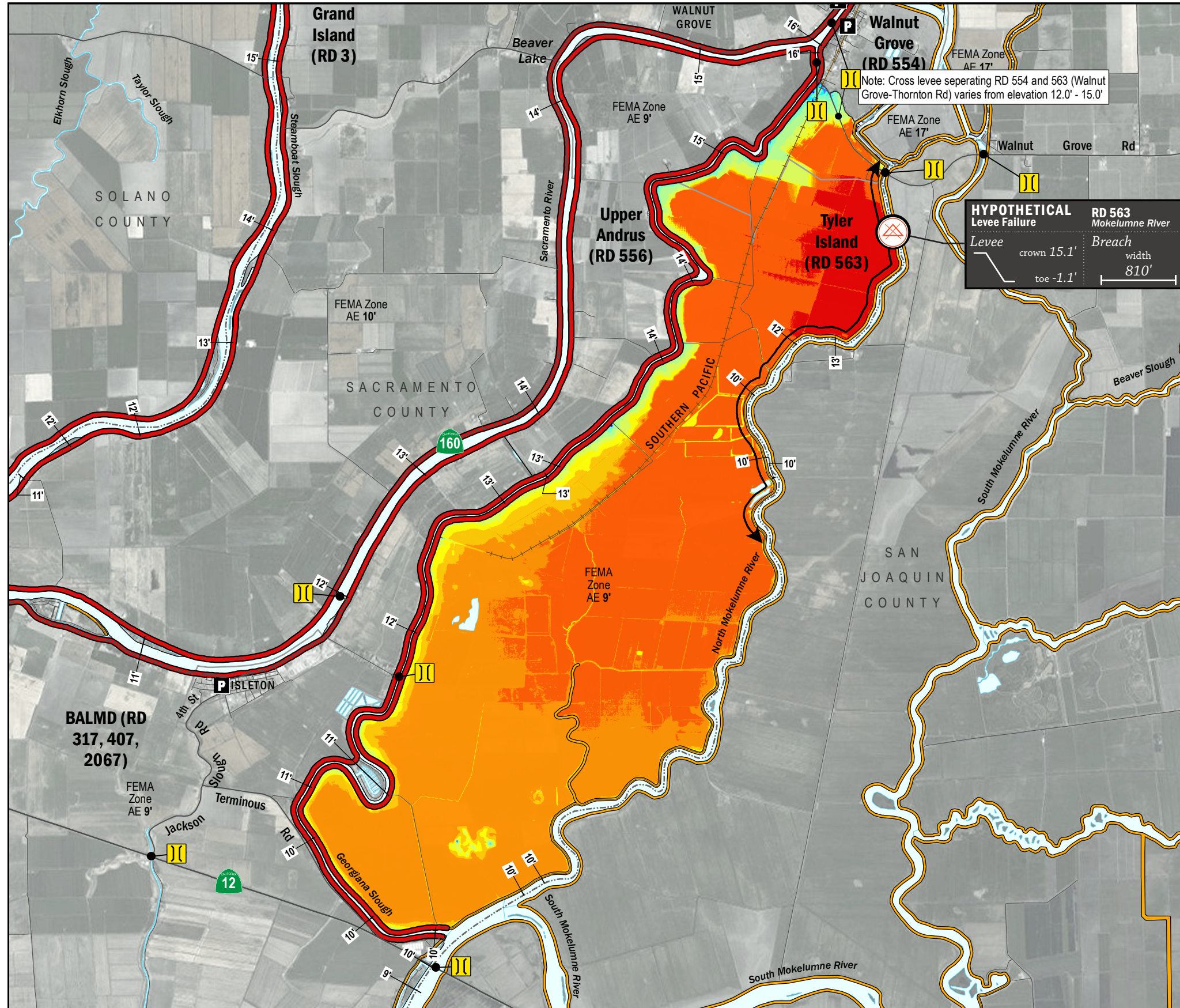
12

LEGEND

Hypothetical Levee Failure Location
Arrows Indicate Breach Extents

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

LEVEES

—— Project
—— Non-Project

CRITICAL INFRASTRUCTURE

Bridge *Over Waterway*

F Fire Station
P Police Station
S School

TIME TO 1ST INUNDATION

0 hrs	
2 hr	
8 hrs	
16 hrs	
24 hrs	DAY 1
32 hrs	
40 hrs	
48 hrs	DAY 2
56 hrs	
64 hrs	
72 hrs	DAY 3
100 hrs	
150 hrs	
200 hrs	

NOTES

1. The hypothetical levee failure is arbitrary. The time to one-foot of inundation is approximate. Similar results would occur within the vicinity of the levee failure shown on the map.

2. Elevations are provided in NAVD88 datum.

3. Approximate breach opening width was based on the difference from the maximum water surface elevation to the landside toe times 50.

1" = 5000 ft
1:60,000

0   750   1,500   3,000 METERS

N

0   0.75   1.5   3 MILES
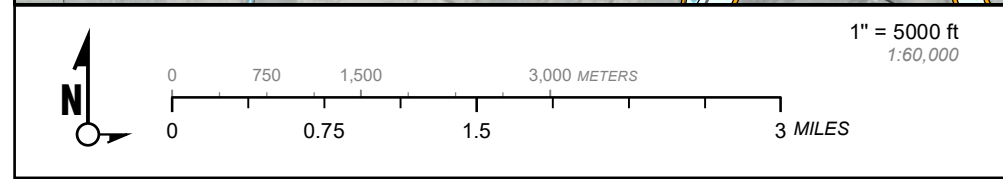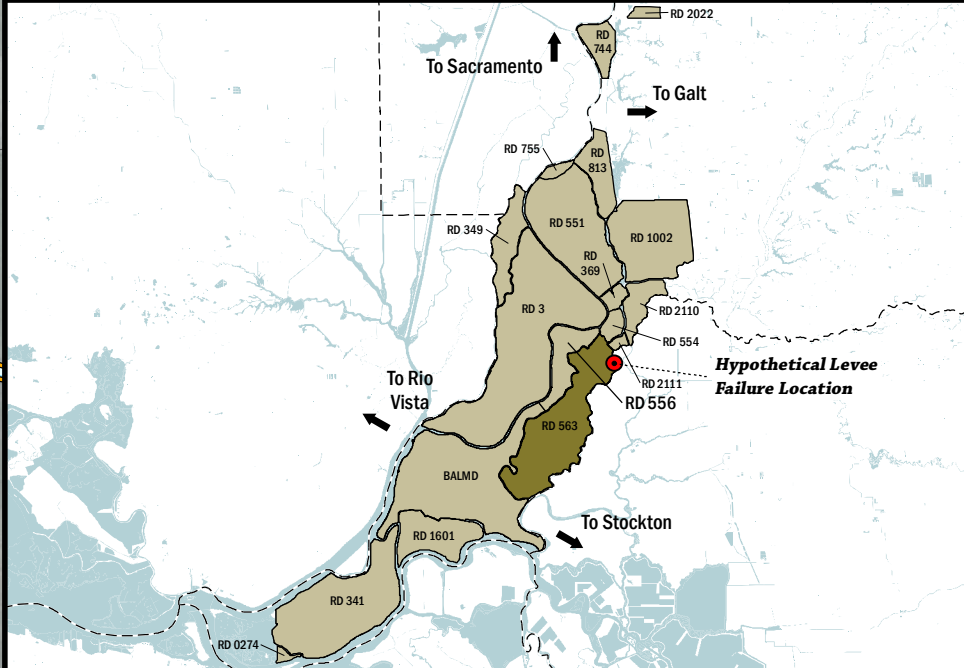
Delta Flood Emergency Safety Plan
Sacramento County, California

RD 563

GEI Consultants

Dynamic *Planning + Science*

ESTIMATED TIME OF INUNDATION FOR A HYPOTHETICAL LEVEE FAILURE LOCATED AT NORTH MOKELUMNE RIVER

May 2017

Figure D1B

RD 2022

To Sacramento

To Galt

RD 744

RD 755

RD 813

RD 349   RD 551   RD 1002

RD 369

RD 3   RD 2110

RD 554

To Rio Vista

RD 2111

RD 563   RD 556

Hypothetical Levee Failure Location

BALMD

To Stockton

RD 1601

RD 341

RD 0274