

Vertical Datum: NAVD88, U.S. Feet

The methods used to develop inundation zones and flood wave arrival times are approximate and should only be used as guidance for establishing evacuation zones. Actual areas inundated will depend on actual failure and pre-failure hydrologic conditions and may differ significantly from information shown on maps.

This map meets all applicable state and federal standards and has been prepared in consideration of all potential downstream hazards by a licensed civil engineer.

Legend

Maximum Inundation Depth (feet)

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- >20

Cities

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 1 of 28

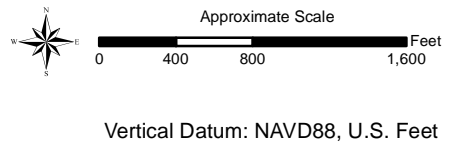
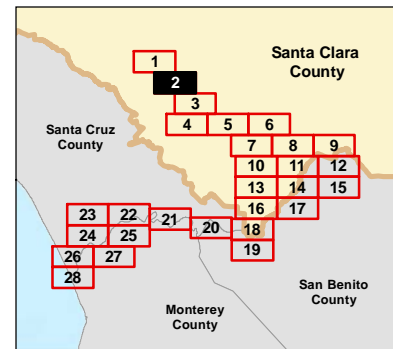
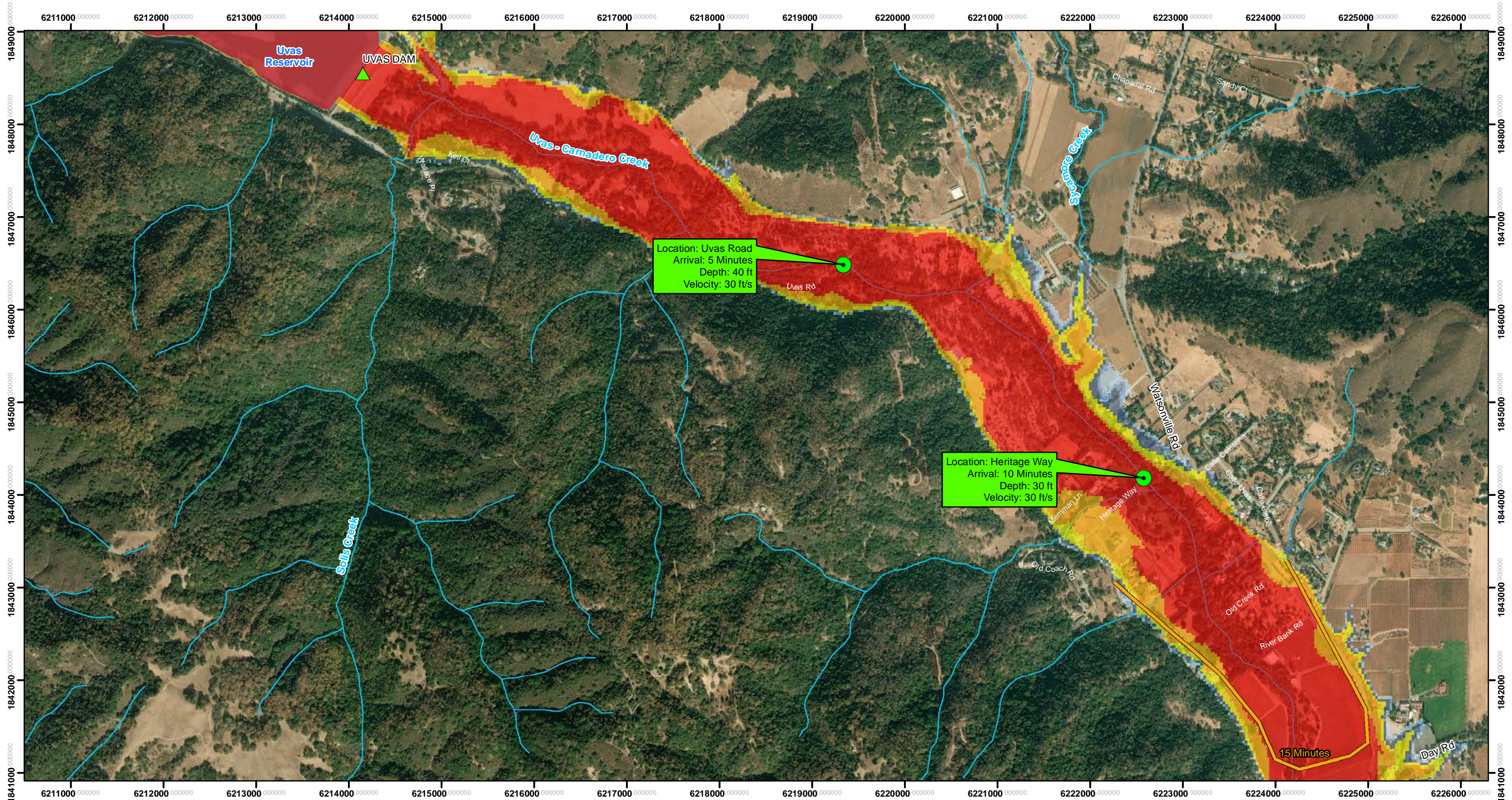
1 in = 1,000 ft

Dam Owner:
Santa Clara Valley Water District
5750 Almaden Exp
San Jose CA 95118

Inundation Analysis and maps created by SCVWD

August 2019

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Legend

Maximum Inundation Depth (feet)

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- >20

Other Legend Items:

- Cities
- Dams
- Road Callouts
- Flood Wave Arrival Time

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 2 of 28

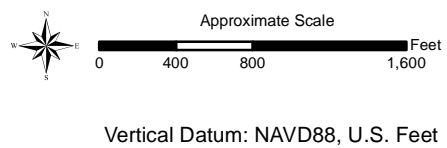
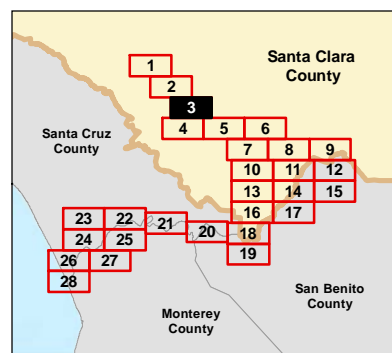
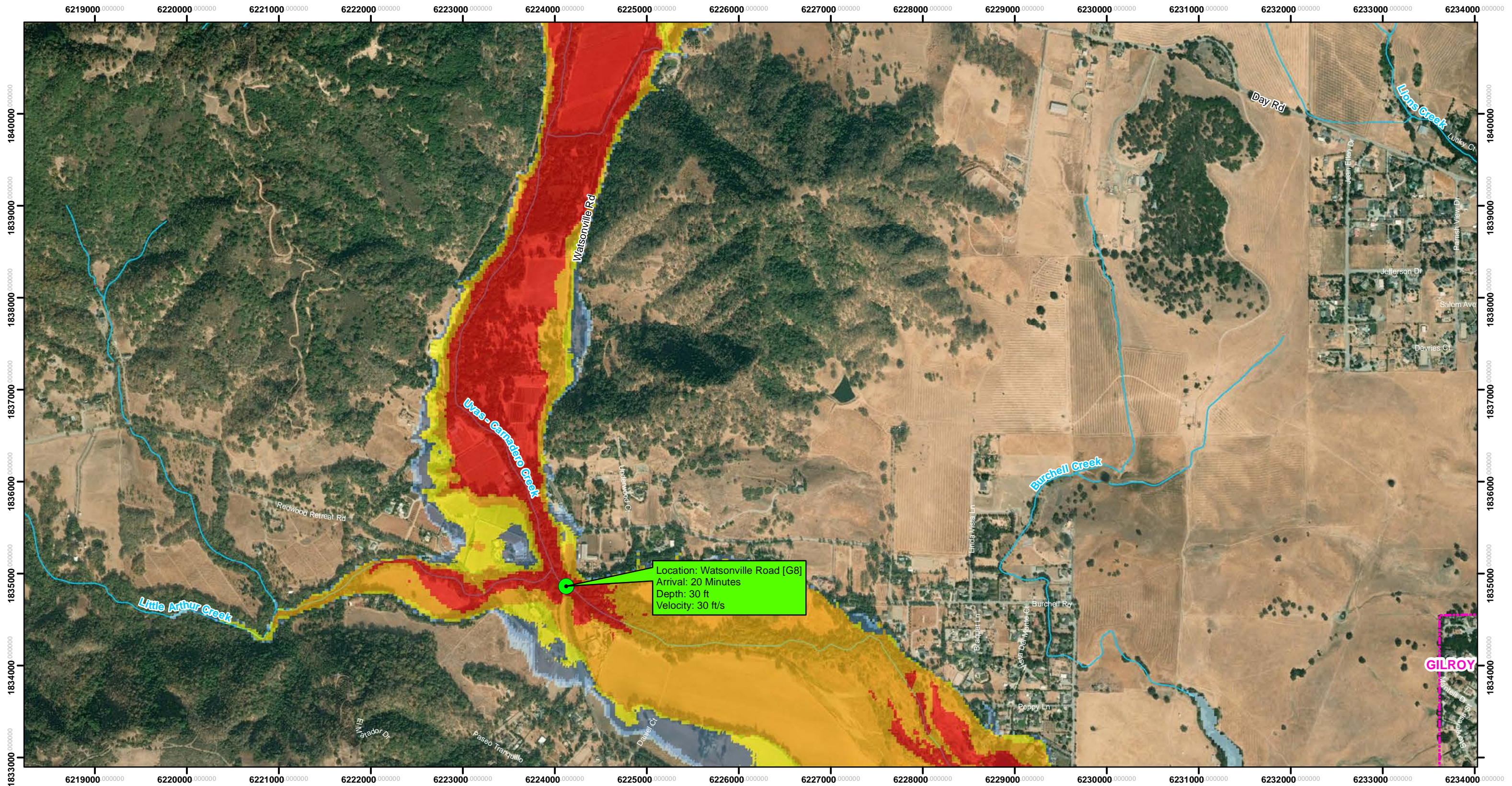
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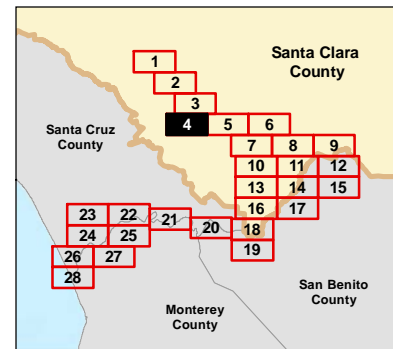
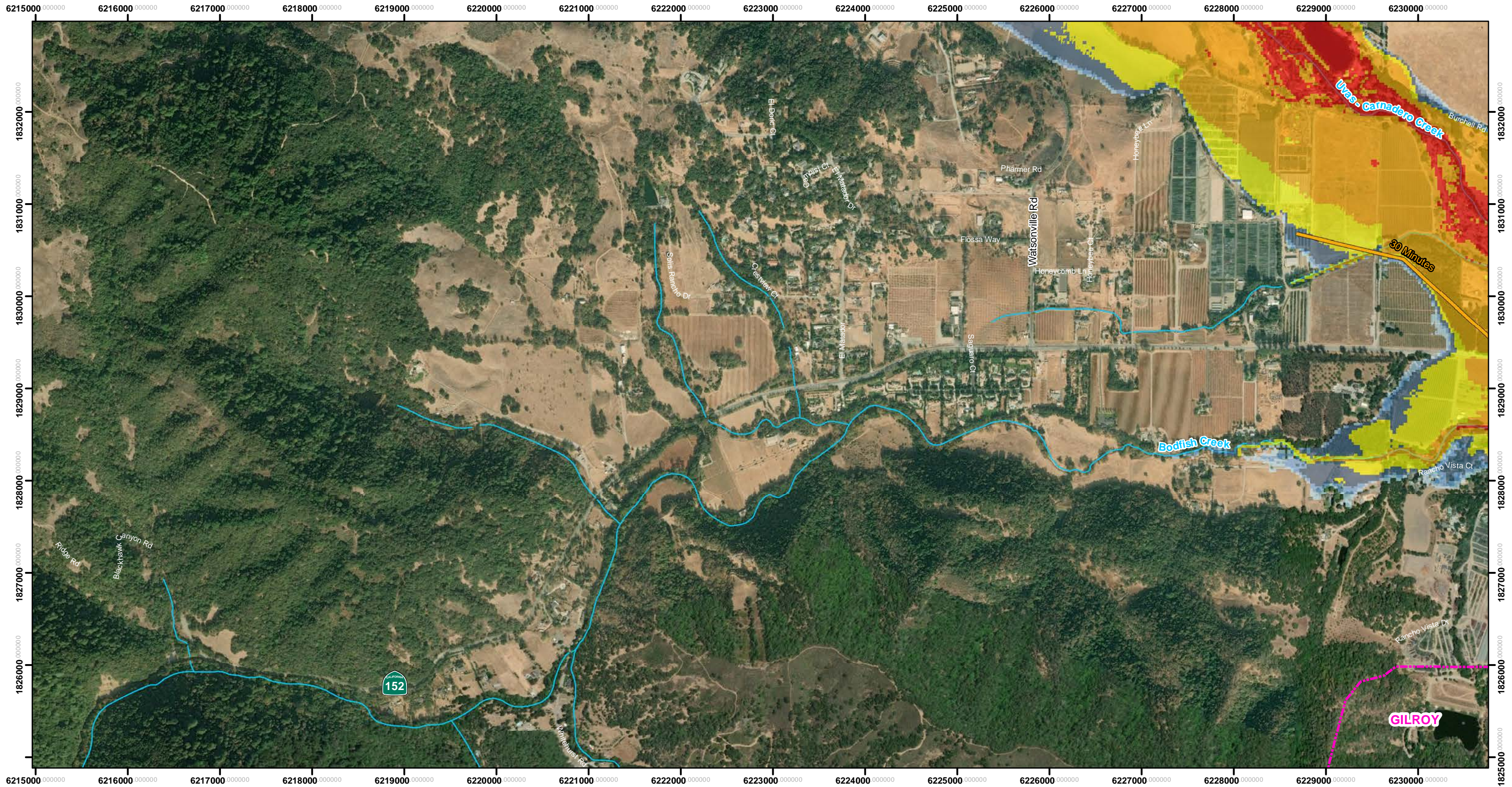
Legend

- Maximum Inundation Depth (feet)**
- <1
 - 1 to 2
 - 2 to 5
 - 5 to 10
 - 10 to 20
 - >20
- Cities
- Road Callouts

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 3 of 28
 1 in = 1,000 ft
 Dam Owner:
 Santa Clara Valley Water District
 5750 Almaden Exp
 San Jose CA 95118
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 August 2019
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Approximate Scale
0 400 800 1,600 Feet

Vertical Datum: NAVD88, U.S. Feet

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Legend

Maximum Inundation Depth (feet)

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- >20

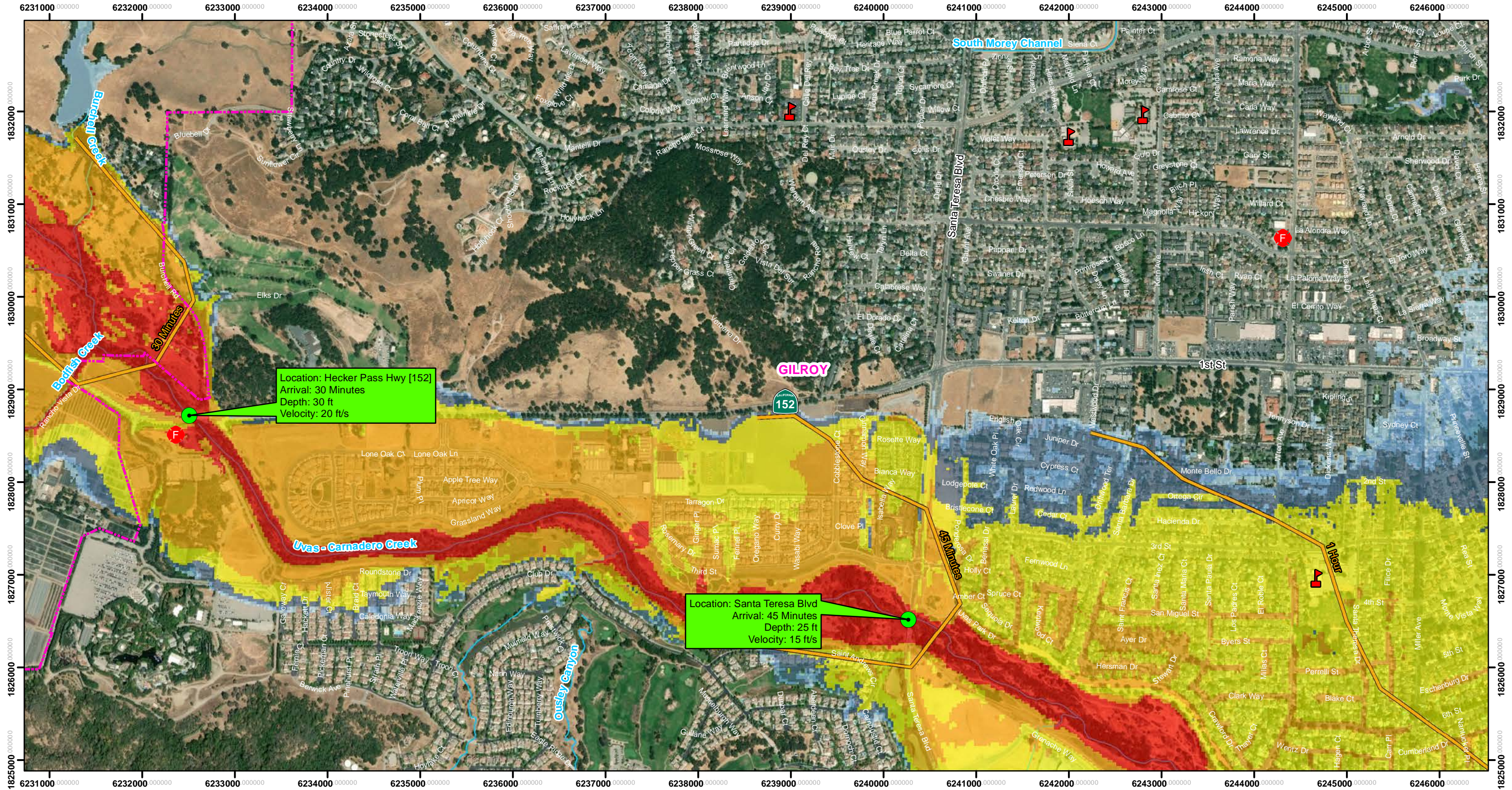
Flood Wave Arrival Time

Cities

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood

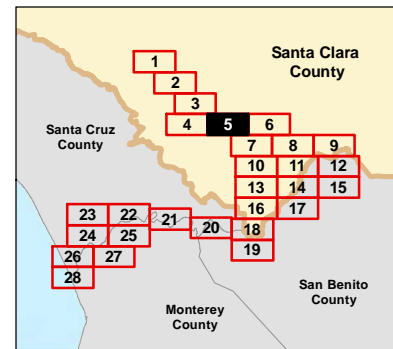


Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 4 of 28
1 in = 1,000 ft
Dam Owner:
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5750 Almaden Exp
San Jose CA 95118
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Location: Hecker Pass Hwy [152]
 Arrival: 30 Minutes
 Depth: 30 ft
 Velocity: 20 ft/s

Location: Santa Teresa Blvd
 Arrival: 45 Minutes
 Depth: 25 ft
 Velocity: 15 ft/s



Approximate Scale
 0 400 800 1,600 Feet

Vertical Datum: NAVD88, U.S. Feet

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- Legend**
- Maximum Inundation Depth (feet)**
- <1
 - 1 to 2
 - 2 to 5
 - 5 to 10
 - 10 to 20
 - >20
- Cities
- Schools
- Fire Stations
- Road Callouts
- Flood Wave Arrival Time

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood

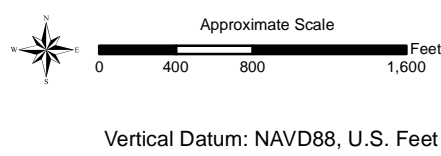
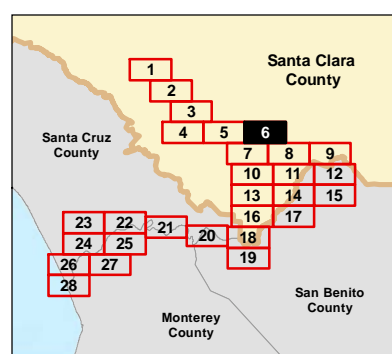
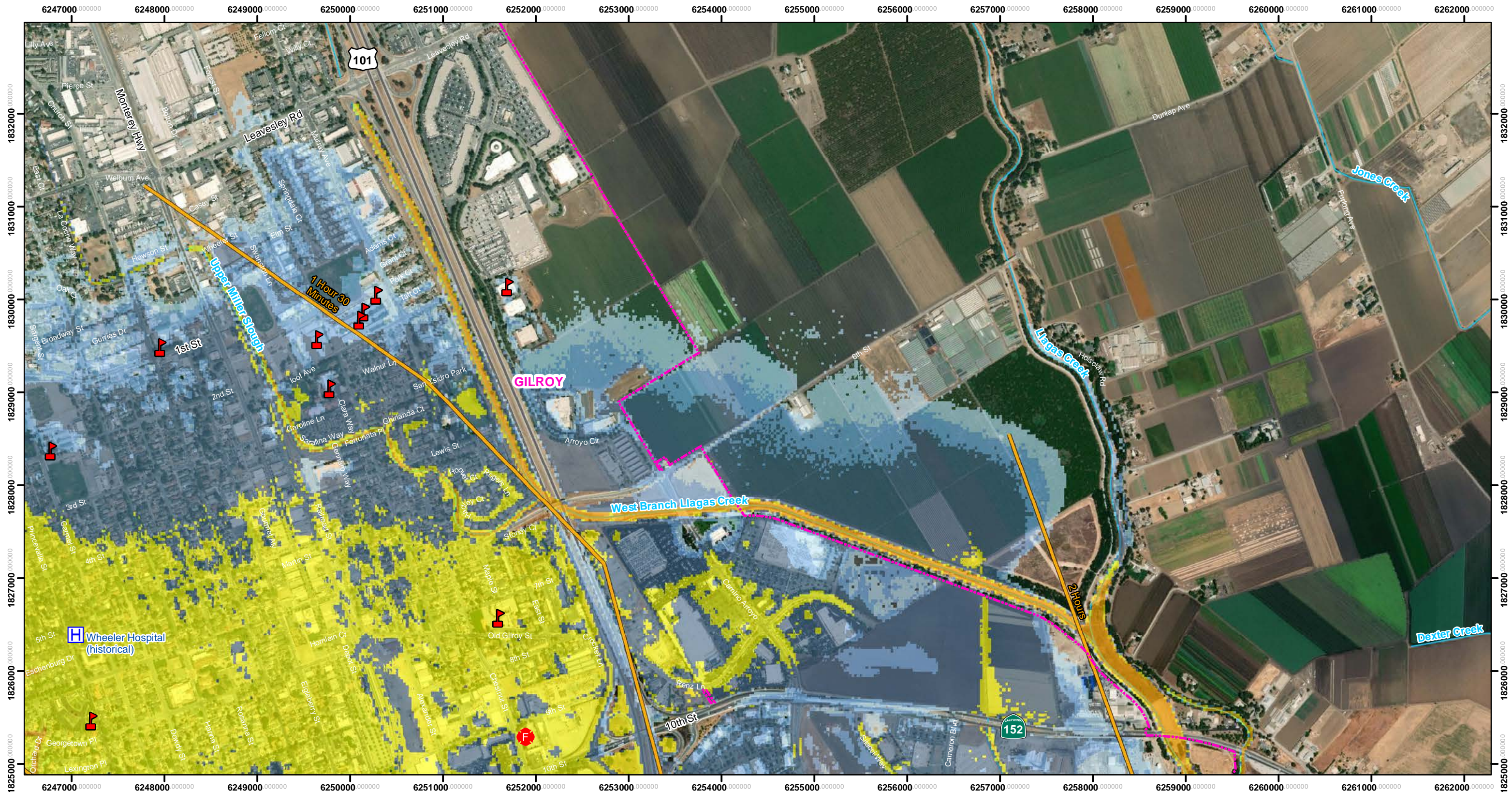


Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 5 of 28
 1 in = 1,000 ft

Dam Owner:
 Santa Clara Valley Water District
 5750 Almaden Exp
 San Jose CA 95118

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- Legend**
- Maximum Inundation Depth (feet)**
- <1
 - 1 to 2
 - 2 to 5
 - 5 to 10
 - 10 to 20
 - Flood Wave Arrival Time
- Cities
 - ▲ Schools
 - H Hospitals
 - F Fire Stations

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 6 of 28

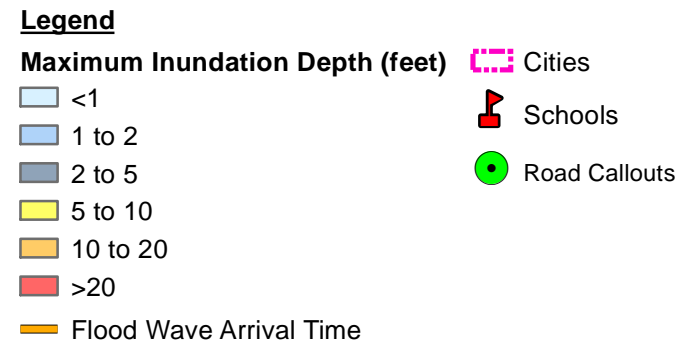
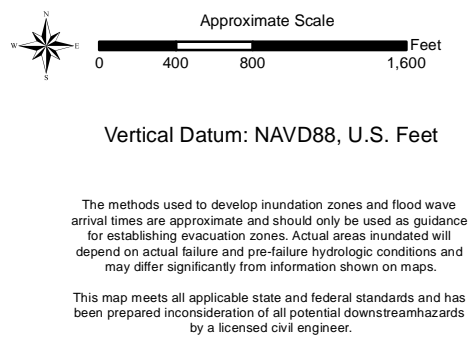
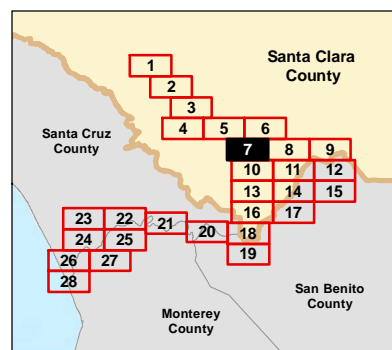
1 in = 1,000 ft

Dam Owner:
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Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 7 of 28

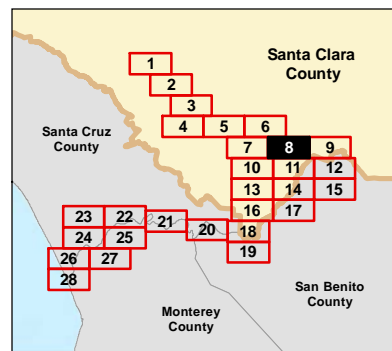
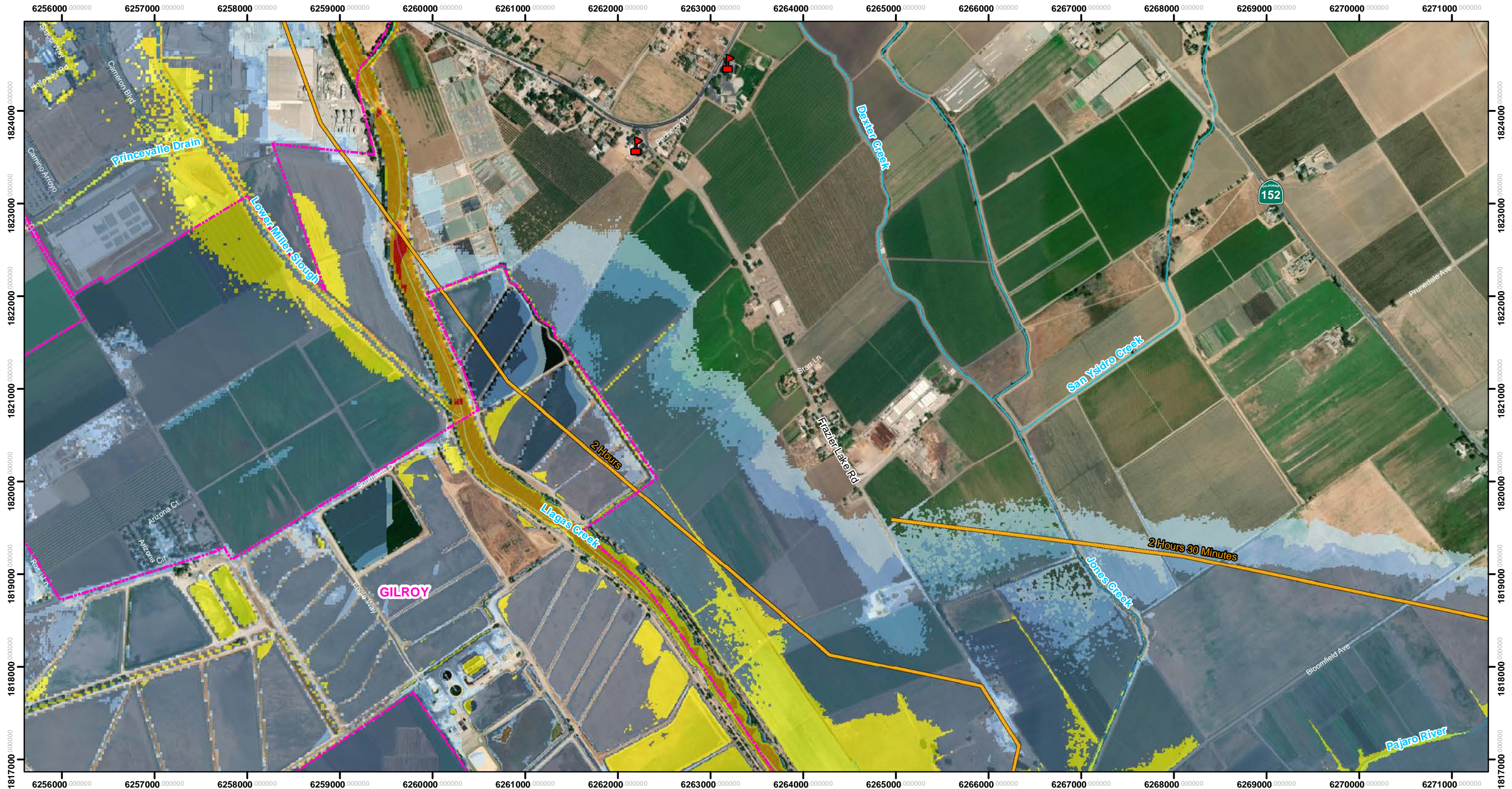
1 in = 1,000 ft

Dam Owner:
 Santa Clara Valley Water District
 5750 Almaden Exp
 San Jose CA 95118

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Approximate Scale
0 400 800 1,600 Feet

Vertical Datum: NAVD88, U.S. Feet

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Legend

Maximum Inundation Depth (feet)

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- >20

Flood Wave Arrival Time

Cities

Schools

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood

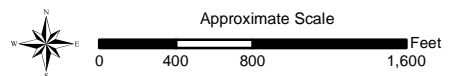
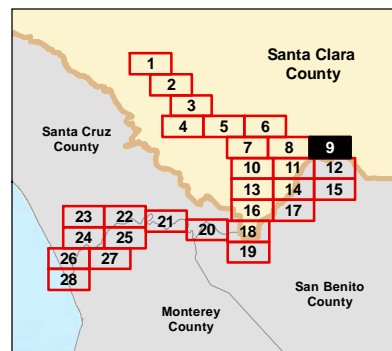
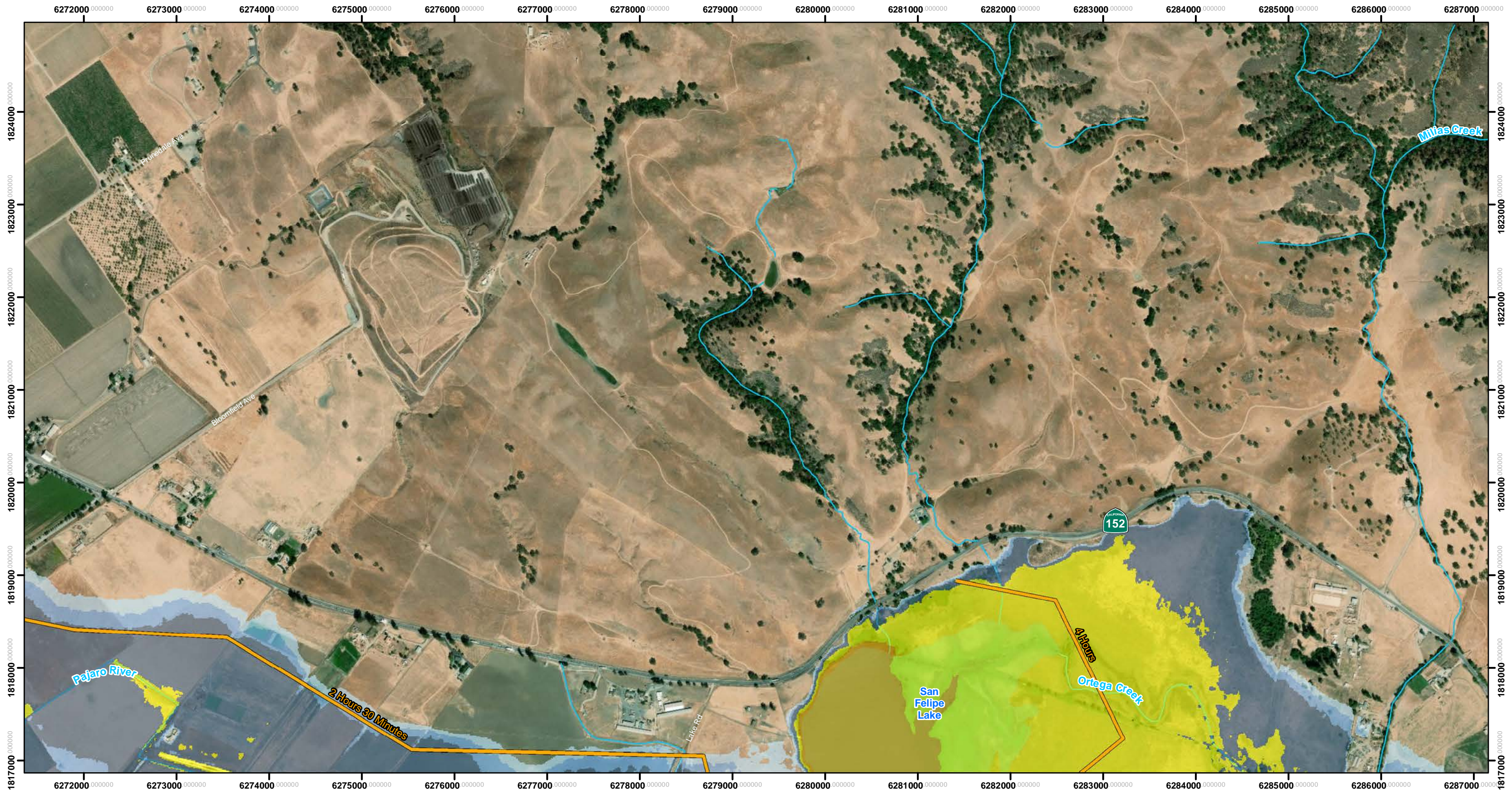


Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 8 of 28
1 in = 1,000 ft

Dam Owner:
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Legend

Maximum Inundation Depth (feet)

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20

— Flood Wave Arrival Time

■ Cities

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 9 of 28

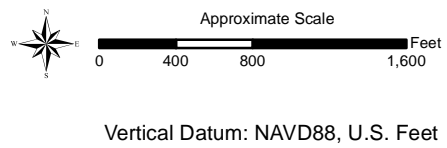
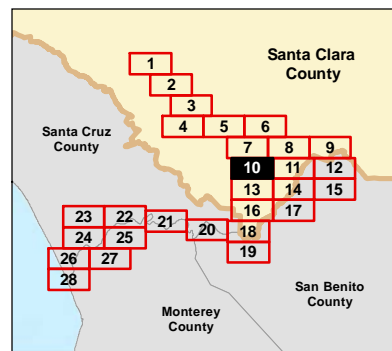
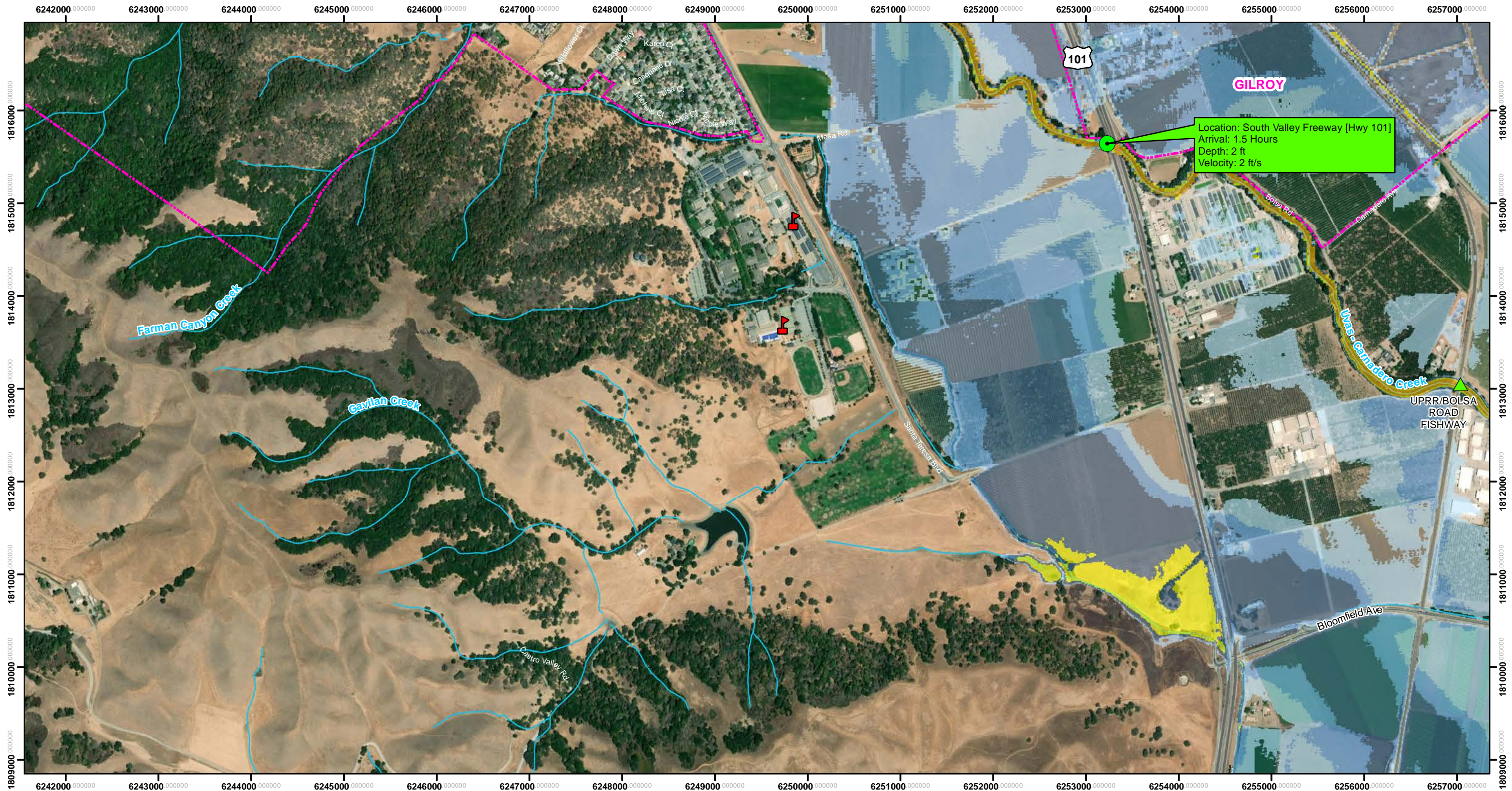
1 in = 1,000 ft

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Legend

Maximum Inundation Depth (feet)

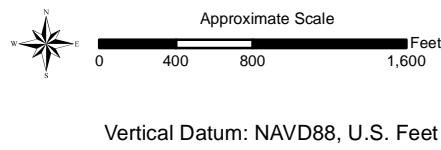
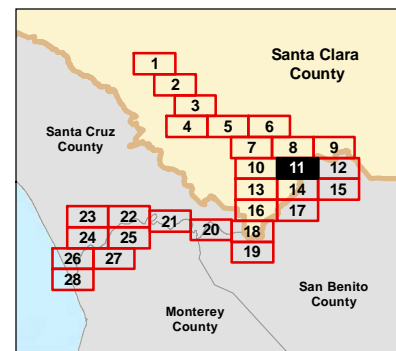
- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20

- Cities
- Dams
- Schools
- Road Callouts

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 10 of 28
 1 in = 1,000 ft
 Dam Owner: Santa Clara Valley Water District
 5750 Almaden Exp
 San Jose CA 95118
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 August 2019
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Legend

Maximum Inundation Depth (feet)

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- >20

Flood Wave Arrival Time

2 Hours

2 Hours 30 Minutes

Cities

Cities

Road Callouts

Road Callouts

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Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 11 of 28

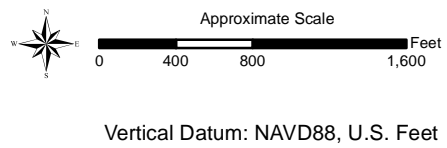
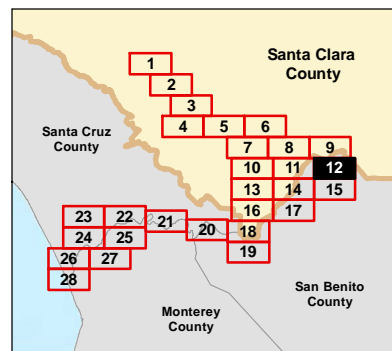
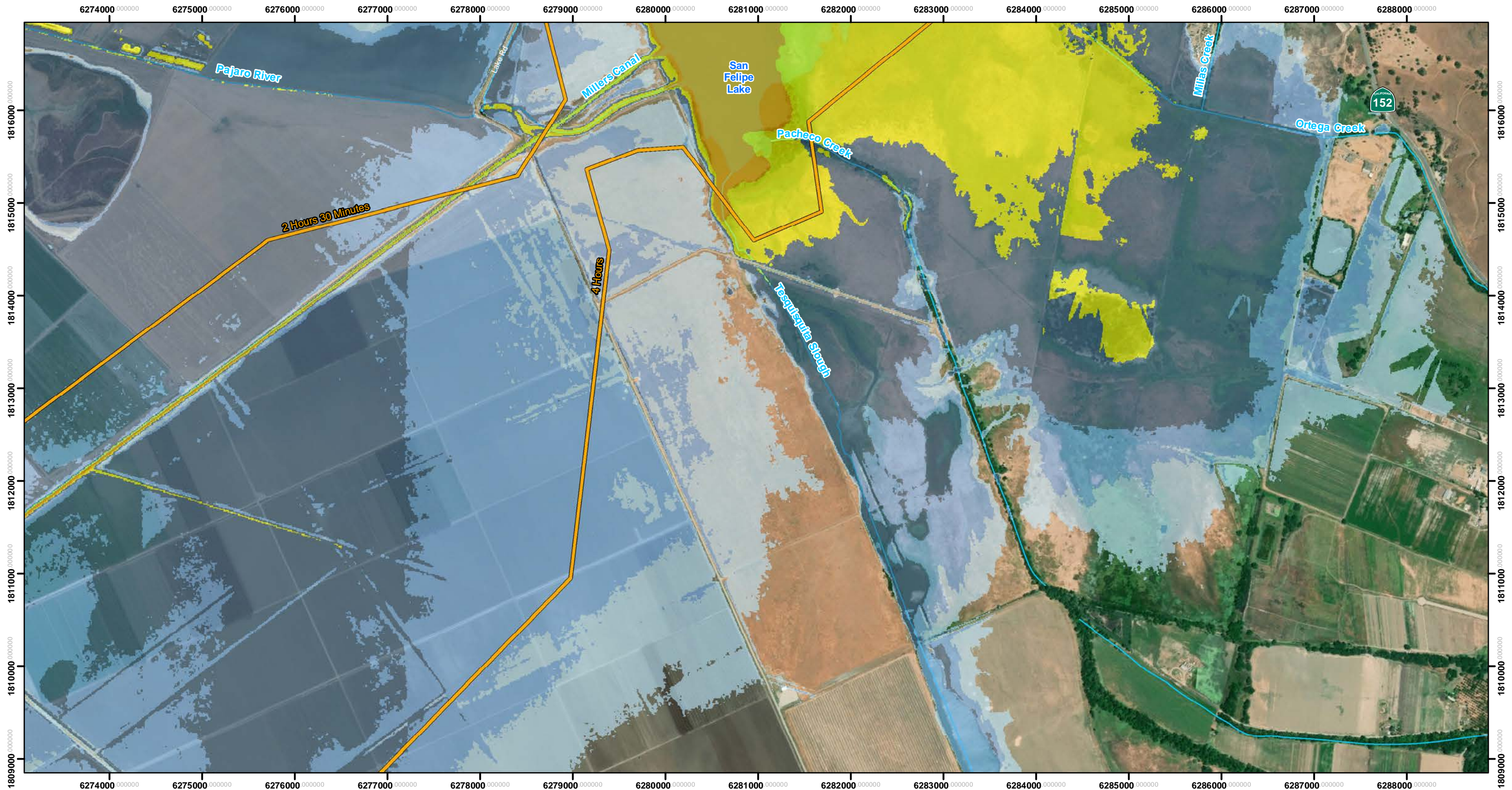
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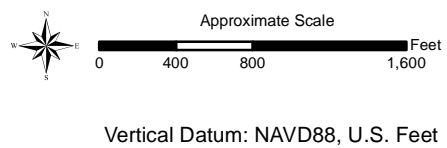
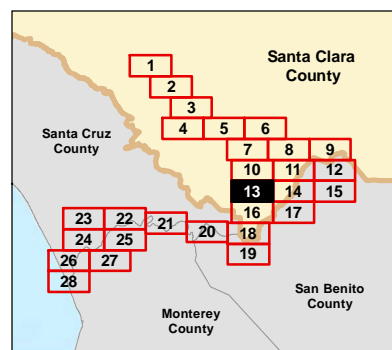
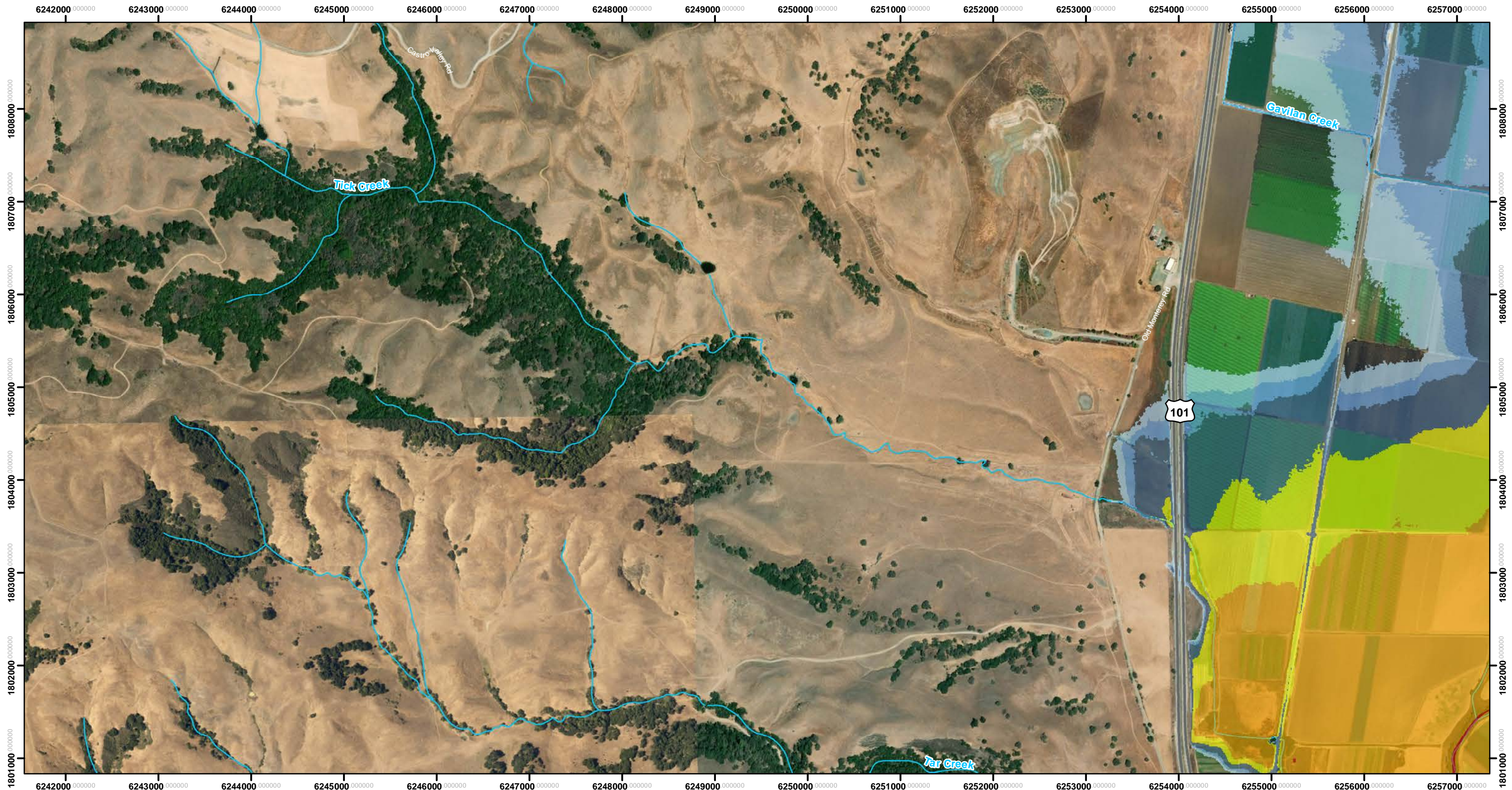
Legend

- Maximum Inundation Depth (feet)**
- <1
 - 1 to 2
 - 2 to 5
 - 5 to 10
 - 10 to 20
- Cities**
- Flood Wave Arrival Time**

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 12 of 28
 1 in = 1,000 ft
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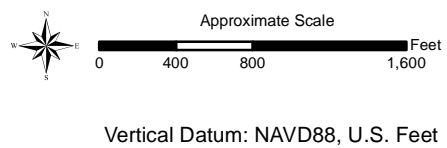
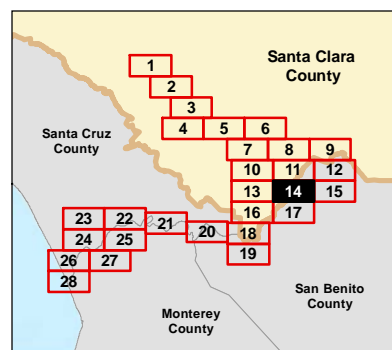
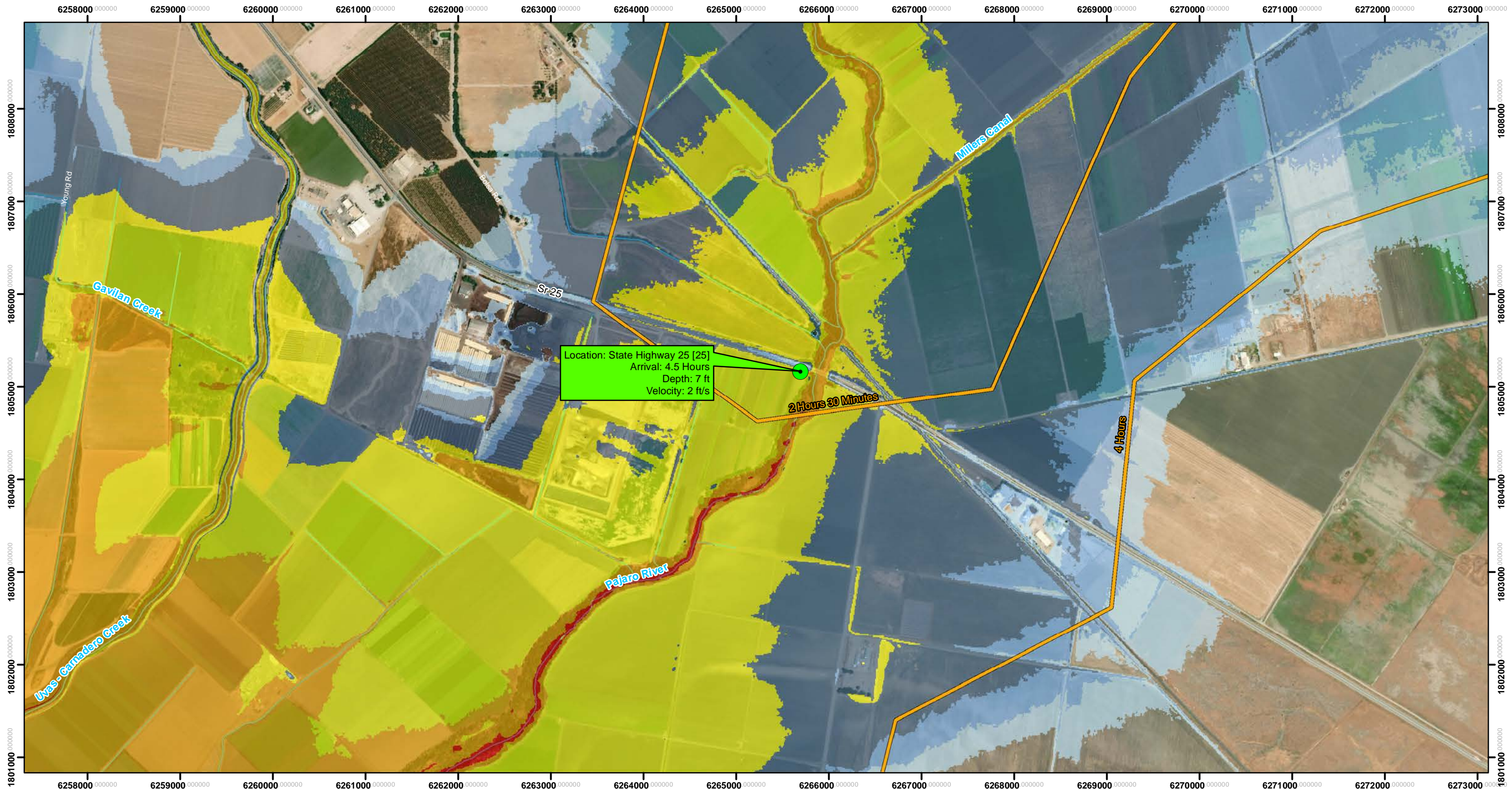
Maximum Inundation Depth (feet) **Cities**

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- >20

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Sheet 13 of 28
 1 in = 1,000 ft
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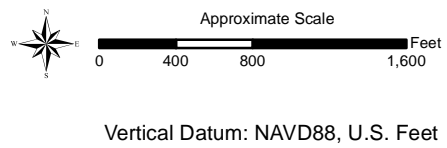
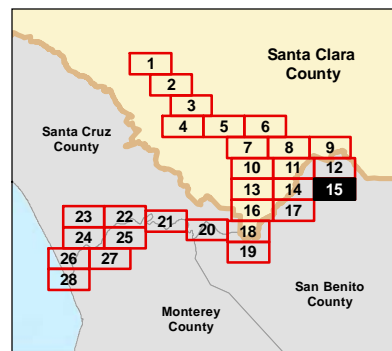
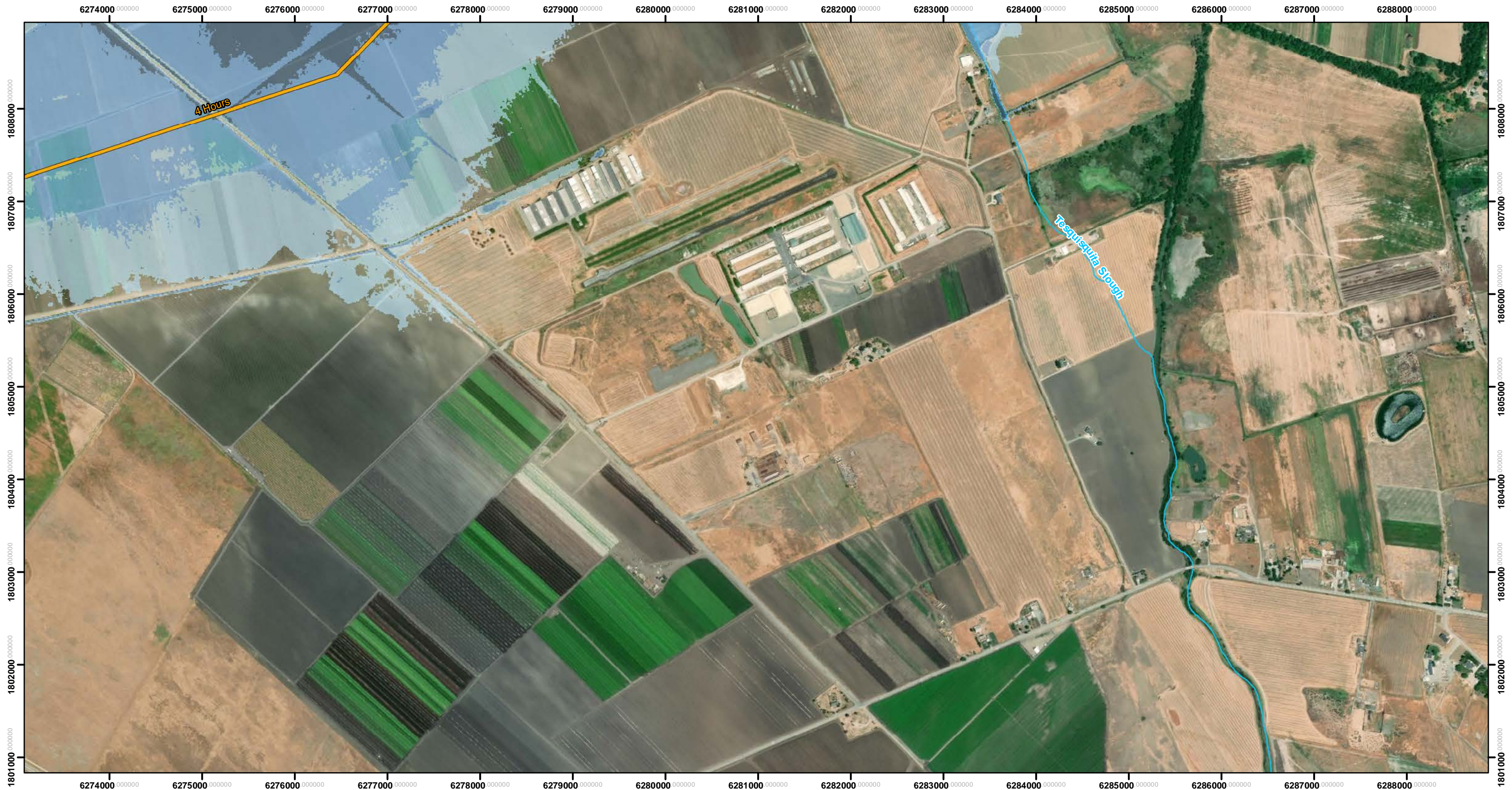
Legend

- Maximum Inundation Depth (feet)**
 - <1
 - 1 to 2
 - 2 to 5
 - 5 to 10
 - 10 to 20
 - >20
- Cities
- Road Callouts
- Flood Wave Arrival Time

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 14 of 28
 1 in = 1,000 ft
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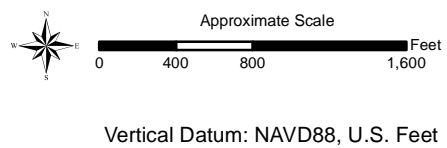
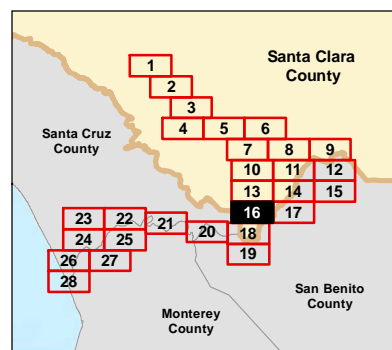
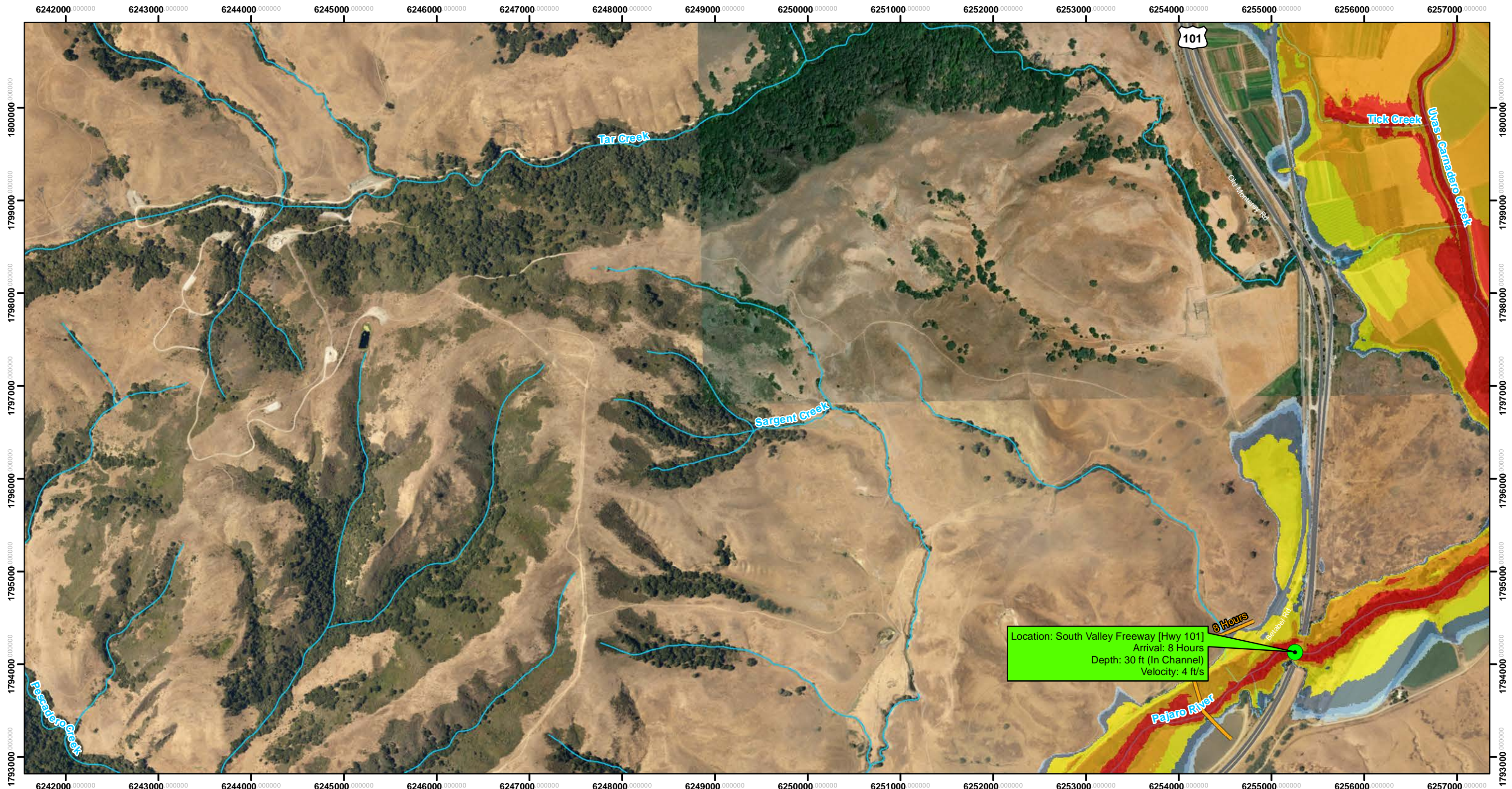
Legend

- Maximum Inundation Depth (feet)
 - < 1
 - 1 to 2
 - 2 to 5
- Flood Wave Arrival Time
- Cities

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of Uvas Dam
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 15 of 28
 1 in = 1,000 ft
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- <1
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- 2 to 5
- 5 to 10
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- >20

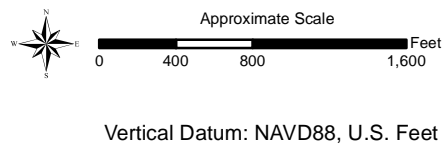
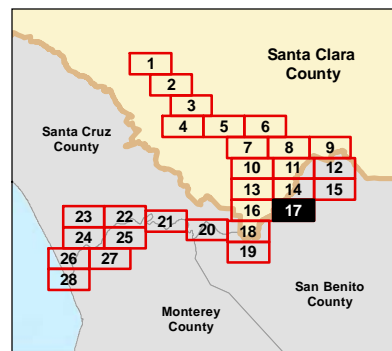
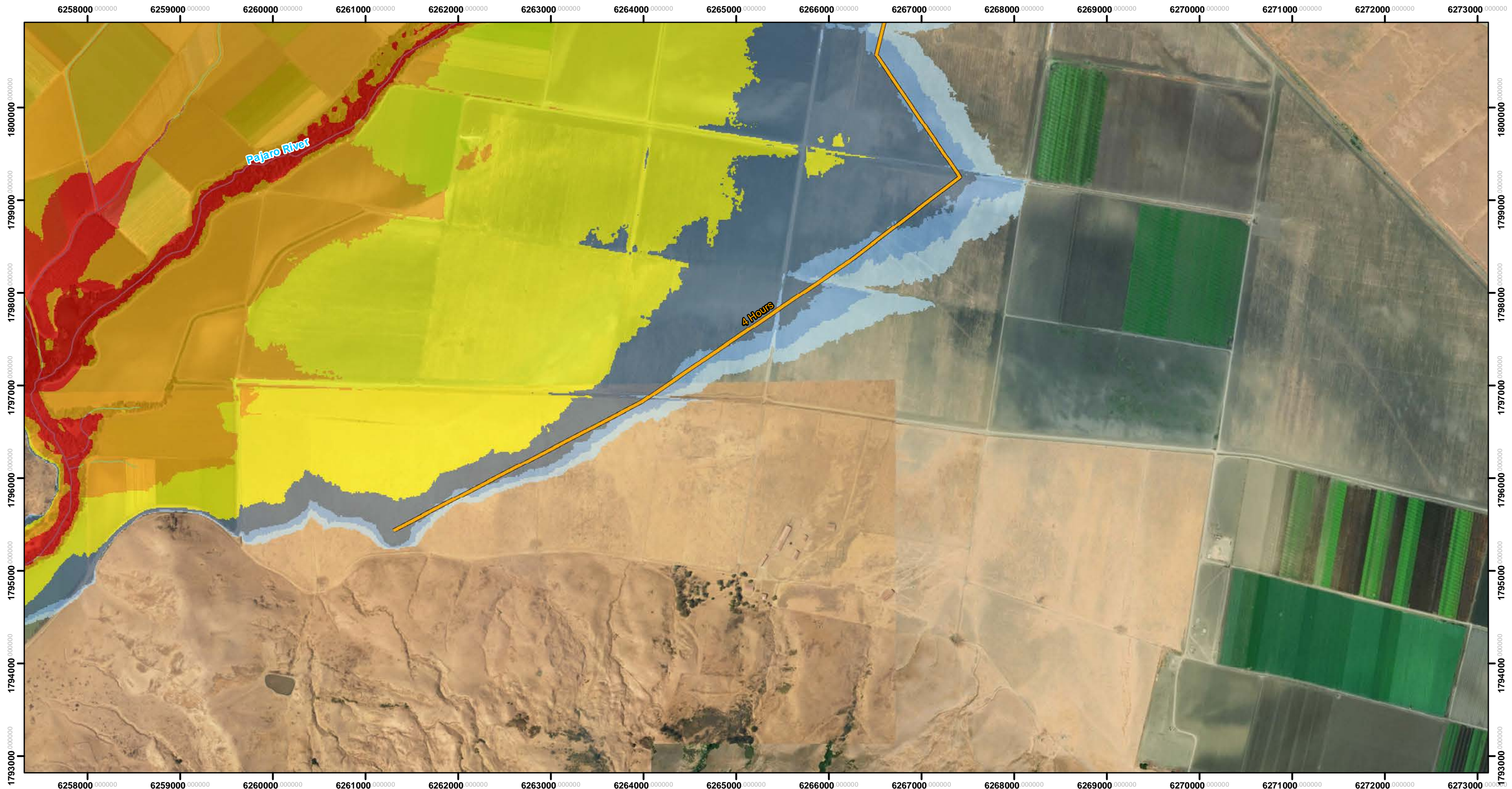
- Cities
- Road Callouts

Flood Wave Arrival Time

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 16 of 28
 1 in = 1,000 ft
 Dam Owner:
 Santa Clara Valley Water District
 5750 Almaden Exp
 San Jose CA 95118
 Inundation Analysis and maps created by SCVWD
 August 2019
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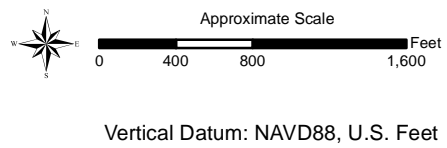
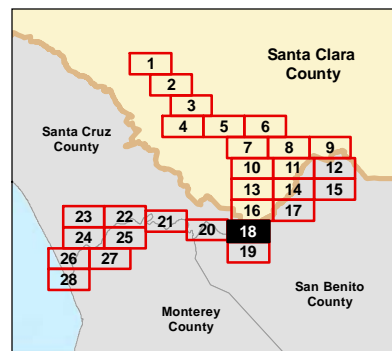
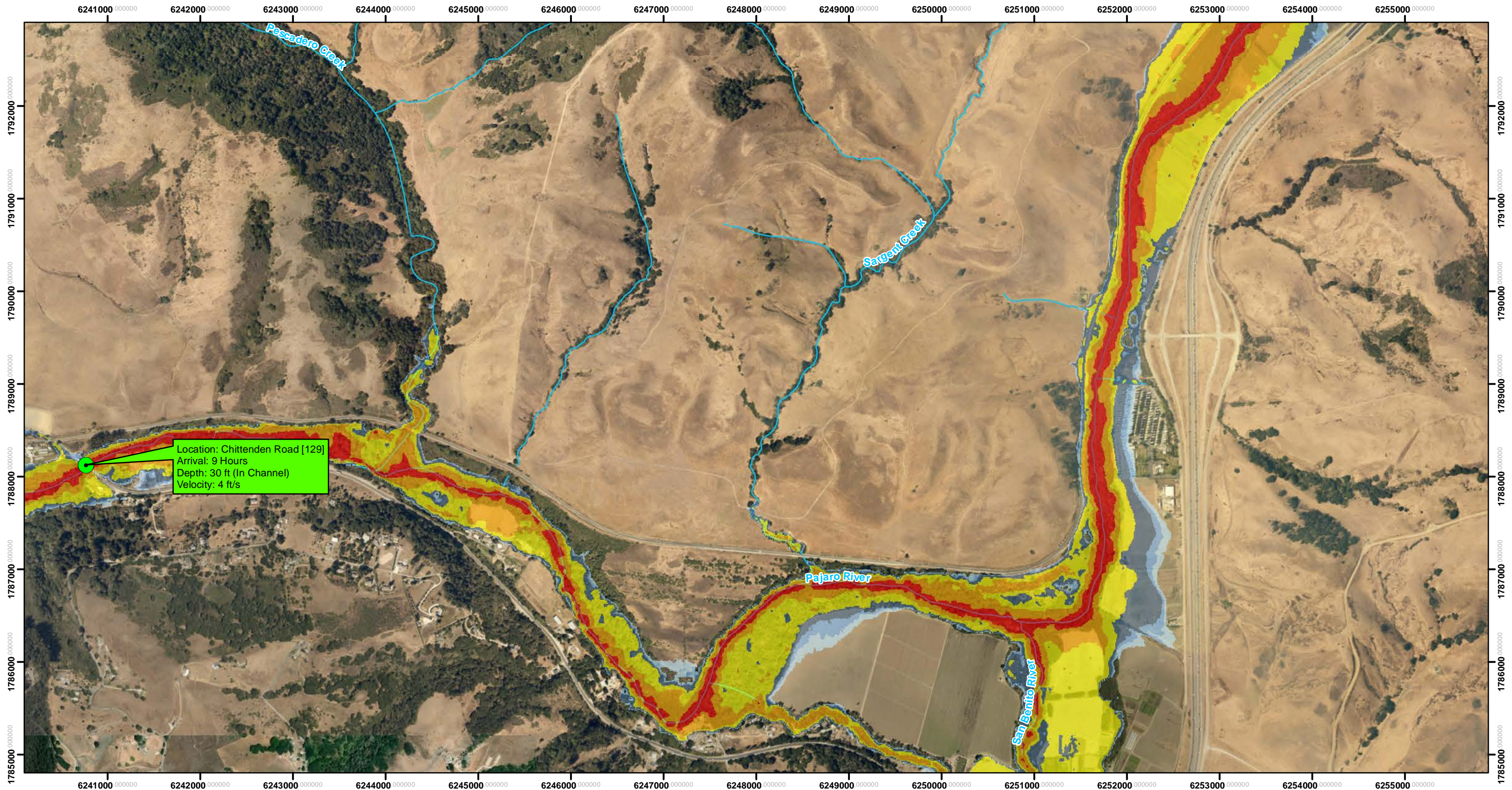
Legend

- Maximum Inundation Depth (feet)
 - <1
 - 1 to 2
 - 2 to 5
 - 5 to 10
 - 10 to 20
 - >20
- Flood Wave Arrival Time
- Cities

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 17 of 28
 1 in = 1,000 ft
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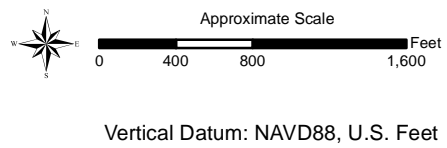
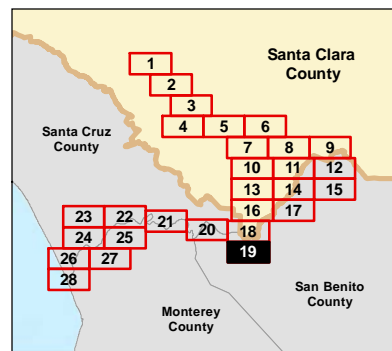
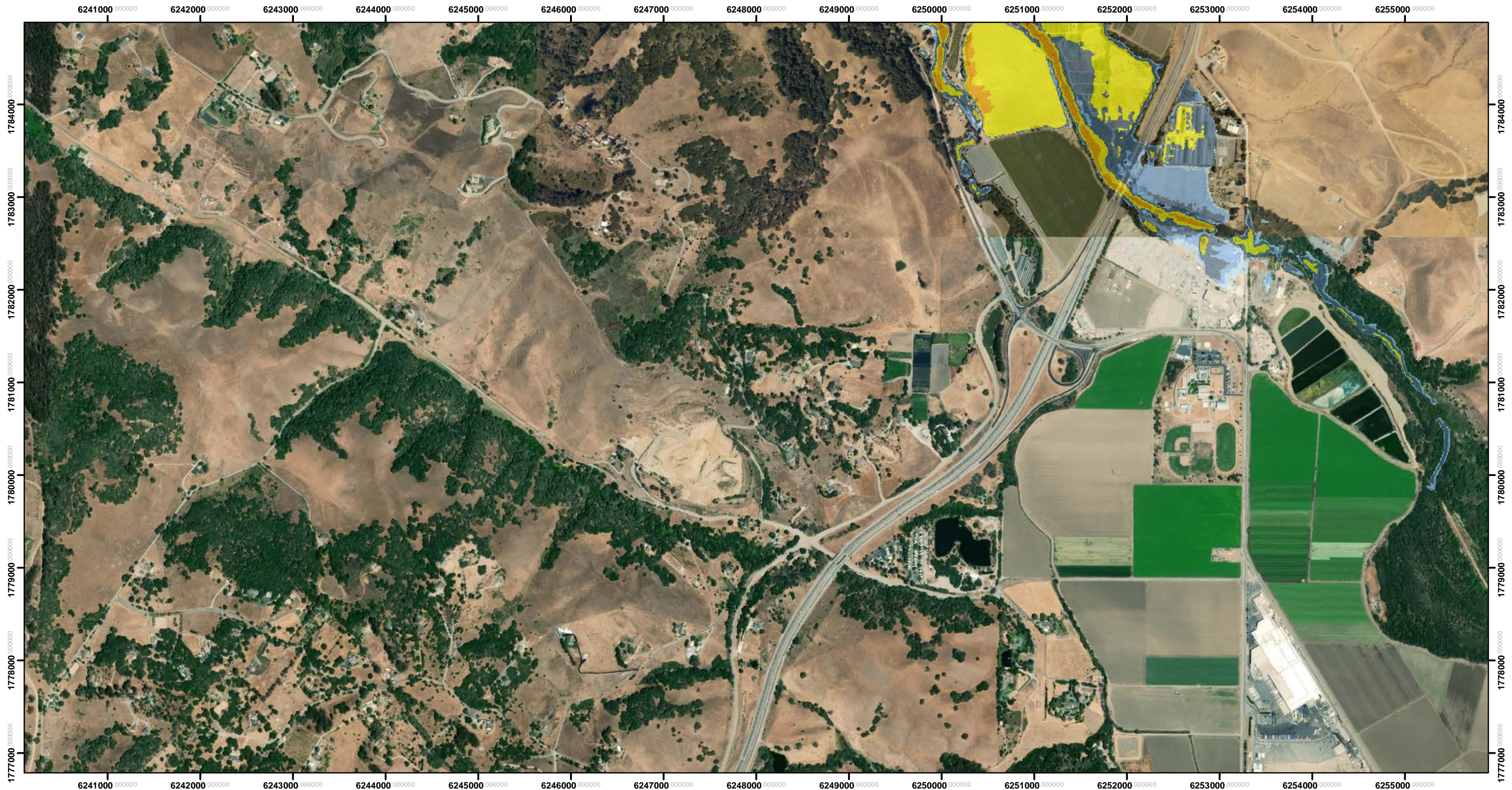
Legend

- Maximum Inundation Depth (feet)**
- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- >20
- Cities
- Road Callouts

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 18 of 28
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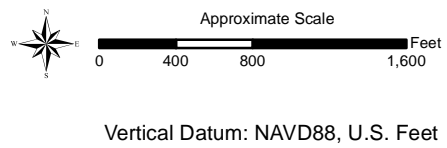
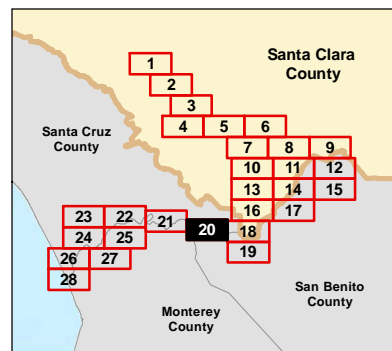
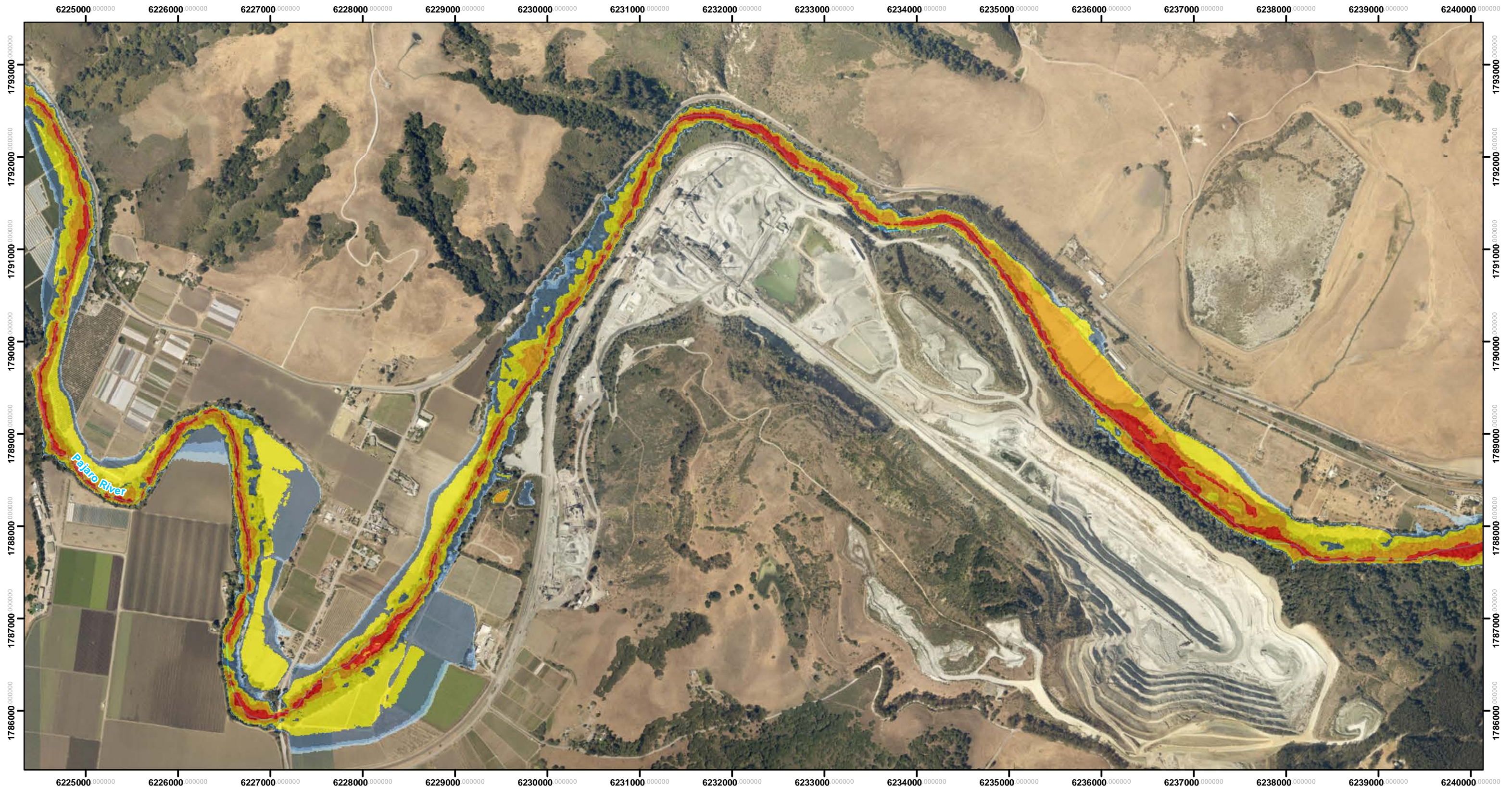
Maximum Inundation Depth (feet) Cities

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- >20

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 19 of 28
 1 in = 1,000 ft
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Legend

Maximum Inundation Depth (feet) Cities

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- >20

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 20 of 28

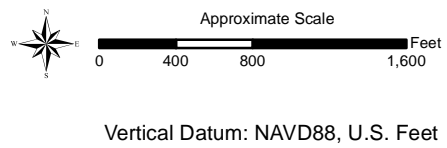
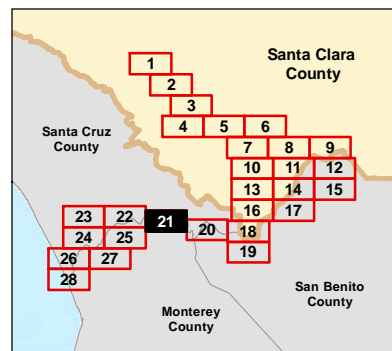
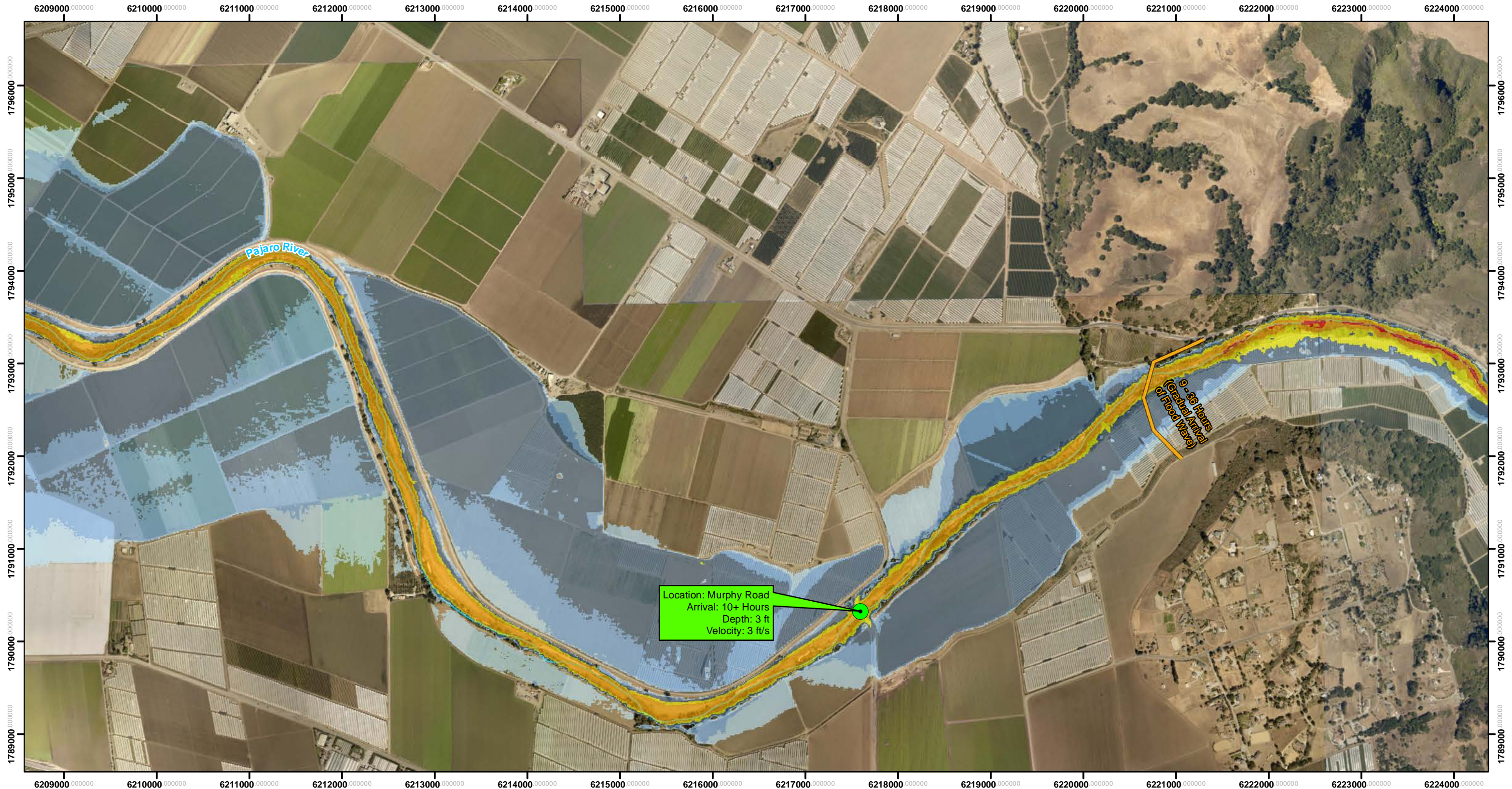
1 in = 1,000 ft

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Legend

Maximum Inundation Depth (feet)

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- >20

Flood Wave Arrival Time

Cities

Cities

Road Callouts

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 21 of 28

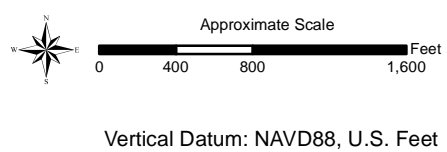
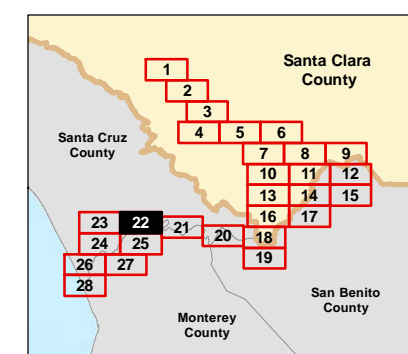
1 in = 1,000 ft

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Legend

Maximum Inundation Depth (feet) Cities

- <1
- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 22 of 28

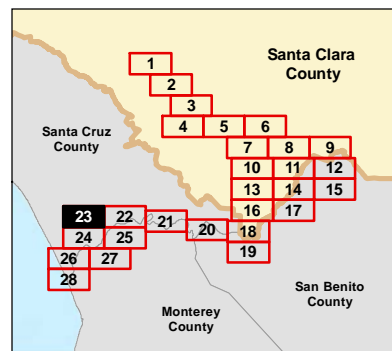
1 in = 1,000 ft

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San Jose CA 95118

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Approximate Scale
0 400 800 1,600 Feet

Vertical Datum: NAVD88, U.S. Feet

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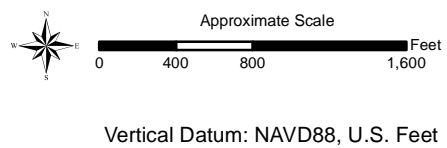
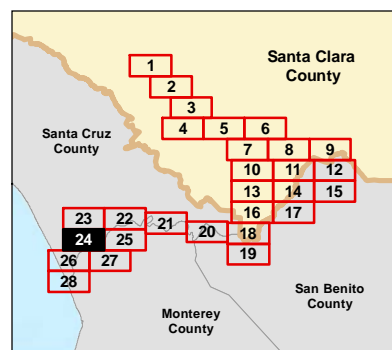
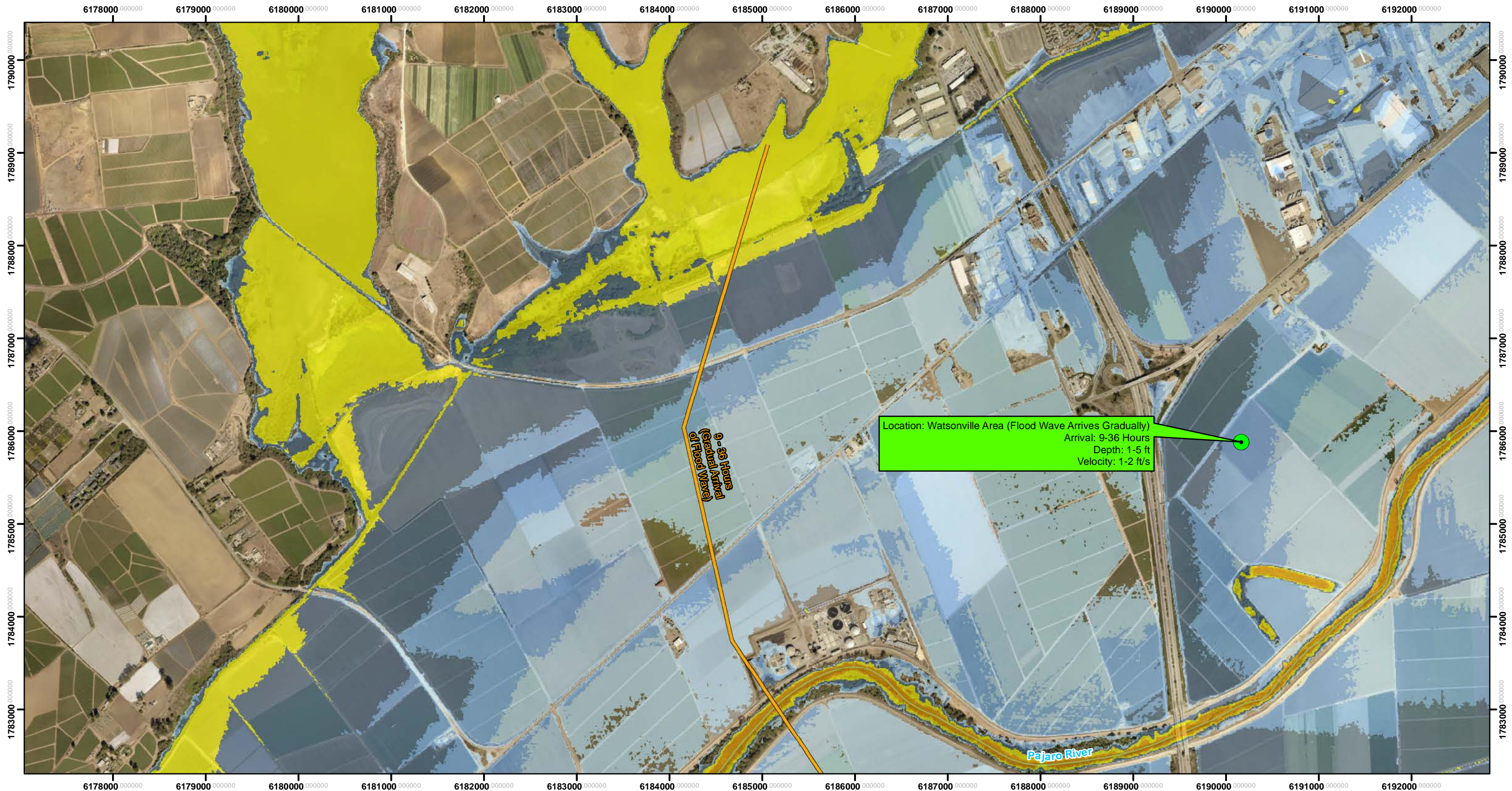
Maximum Inundation Depth (feet)  Cities

-  <1
-  1 to 2
-  2 to 5
-  5 to 10
-  10 to 20

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 23 of 28
1 in = 1,000 ft
Dam Owner:
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Legend

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- <1
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- 10 to 20
- Flood Wave Arrival Time
- Cities
- Road Callouts

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 24 of 28

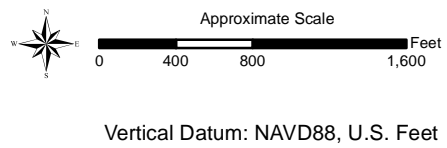
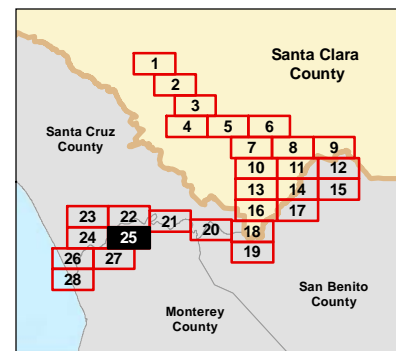
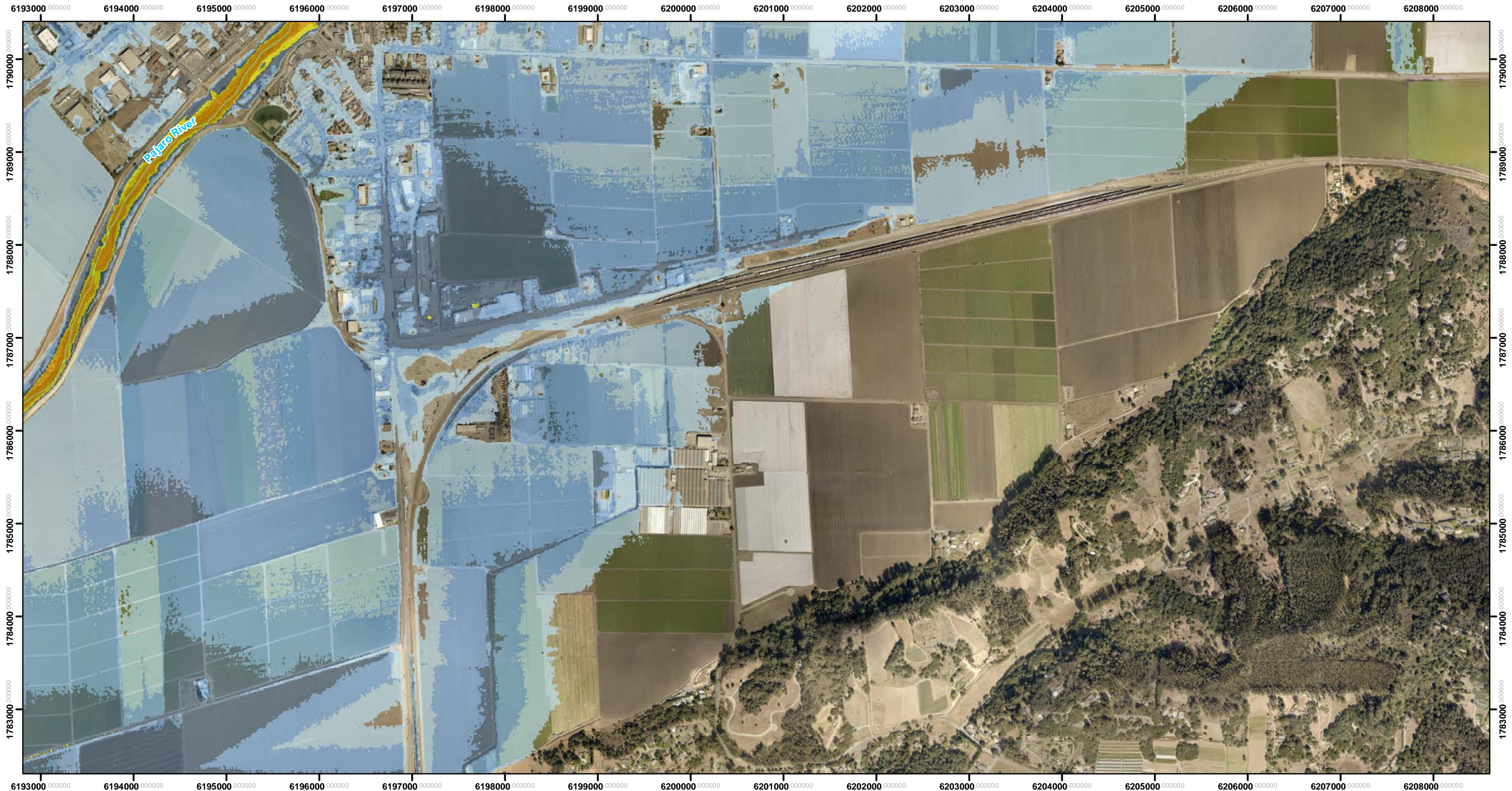
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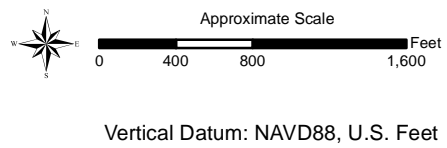
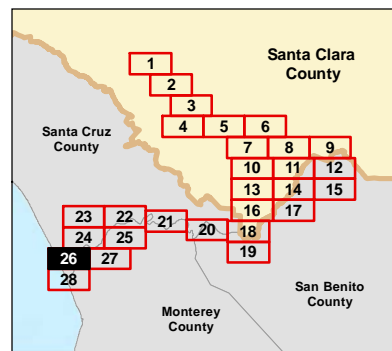
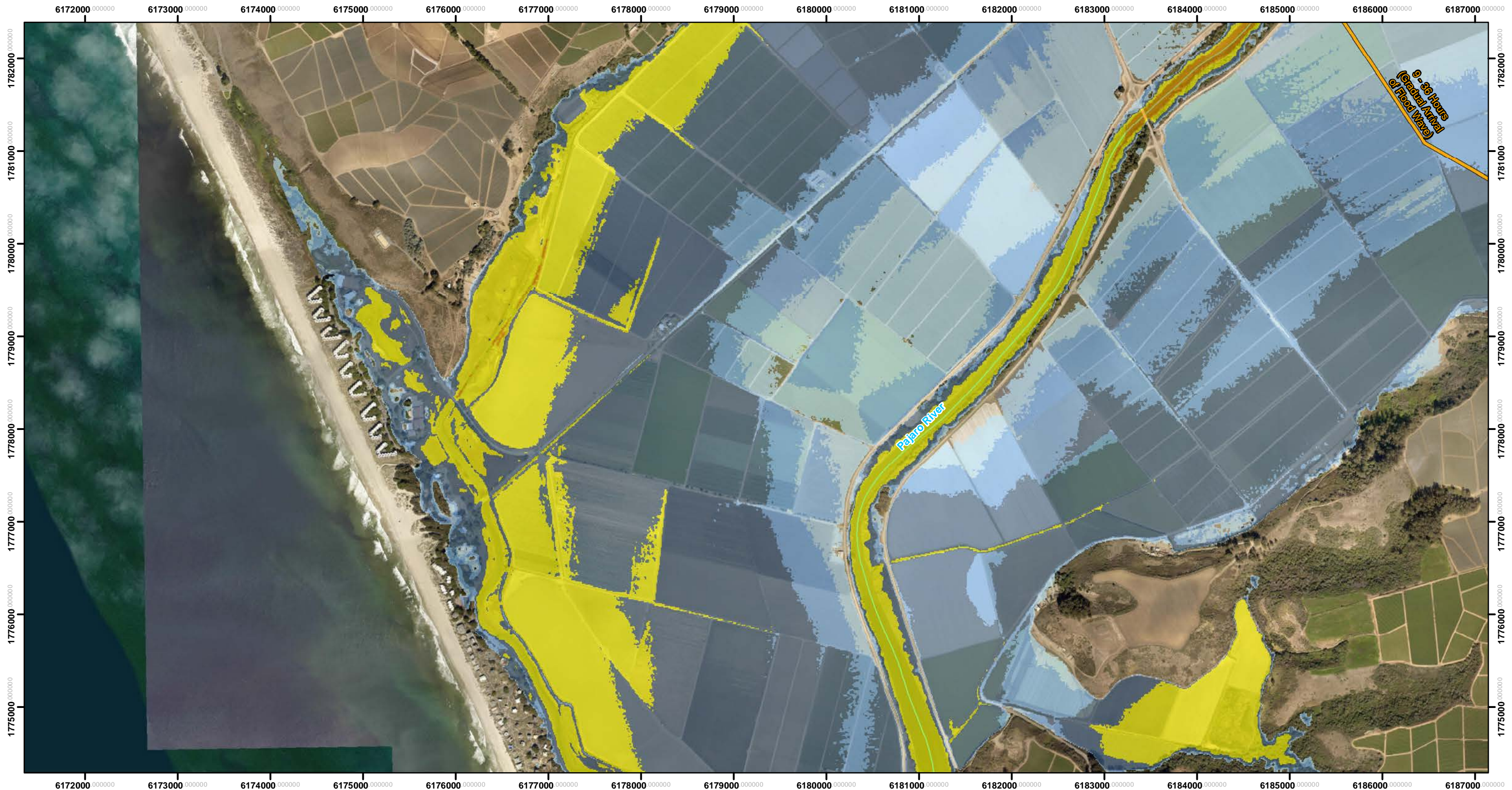
Maximum Inundation Depth (feet) Cities

- <1
- 1 to 2
- 2 to 5
- 5 to 10
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Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 25 of 28
 1 in = 1,000 ft
 Dam Owner:
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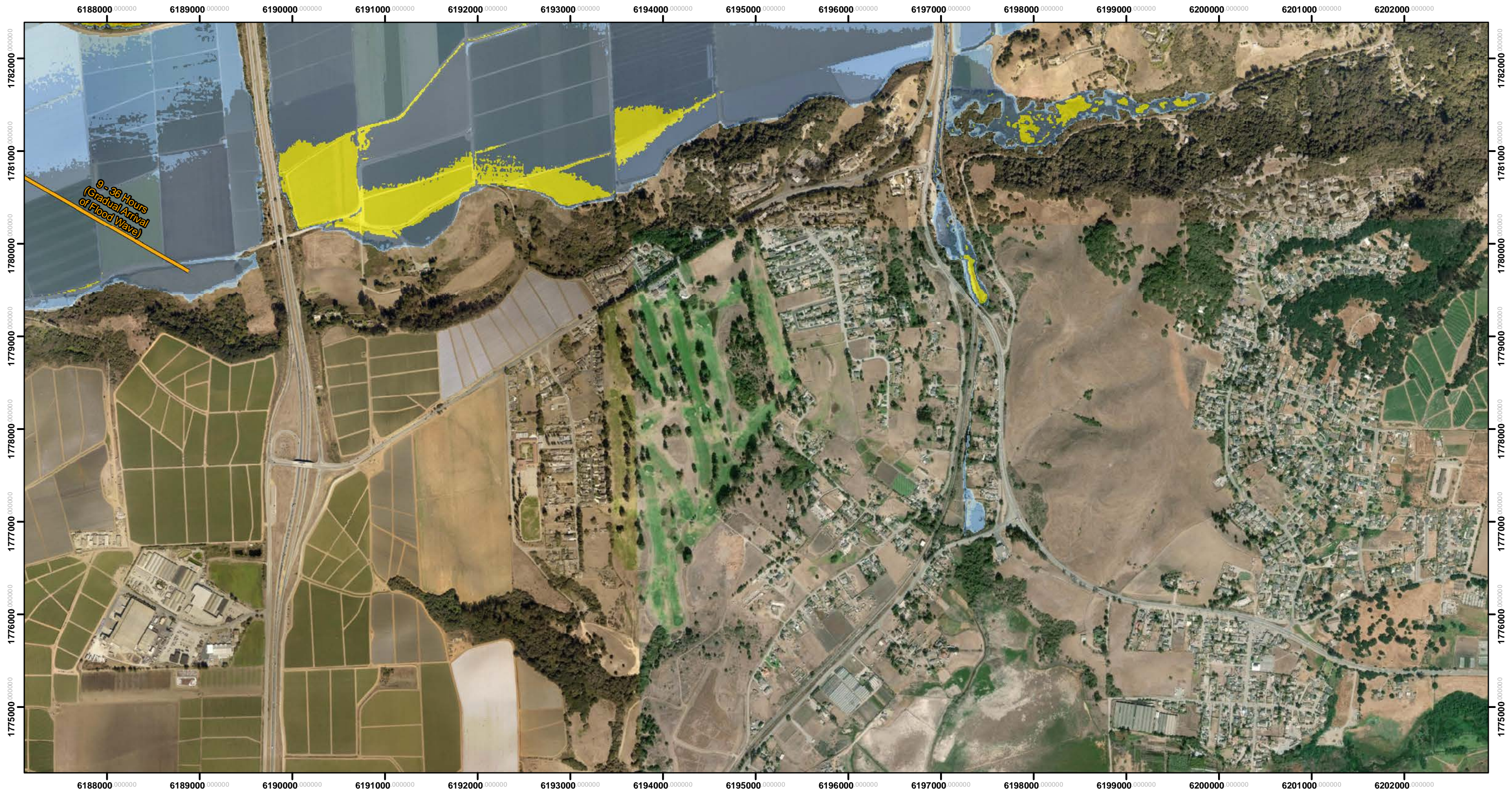
Legend

- Maximum Inundation Depth (feet)
 - <1
 - 1 to 2
 - 2 to 5
 - 5 to 10
 - 10 to 20
- Flood Wave Arrival Time
- Cities

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 26 of 28
 1 in = 1,000 ft
 Dam Owner:
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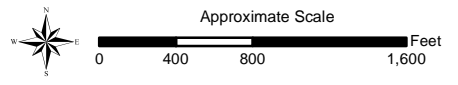
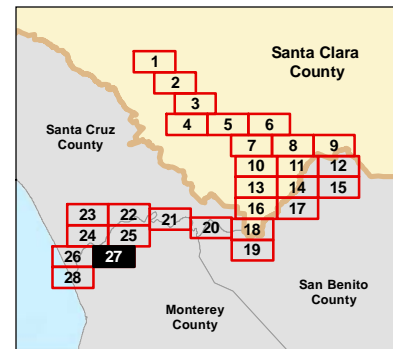


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1782000
1781000
1780000
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1778000
1777000
1776000
1775000

1782000
1781000
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1777000
1776000
1775000

6188000 6189000 6190000 6191000 6192000 6193000 6194000 6195000 6196000 6197000 6198000 6199000 6200000 6201000 6202000



Vertical Datum: NAVD88, U.S. Feet

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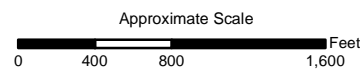
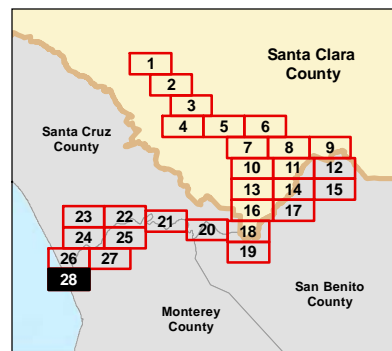
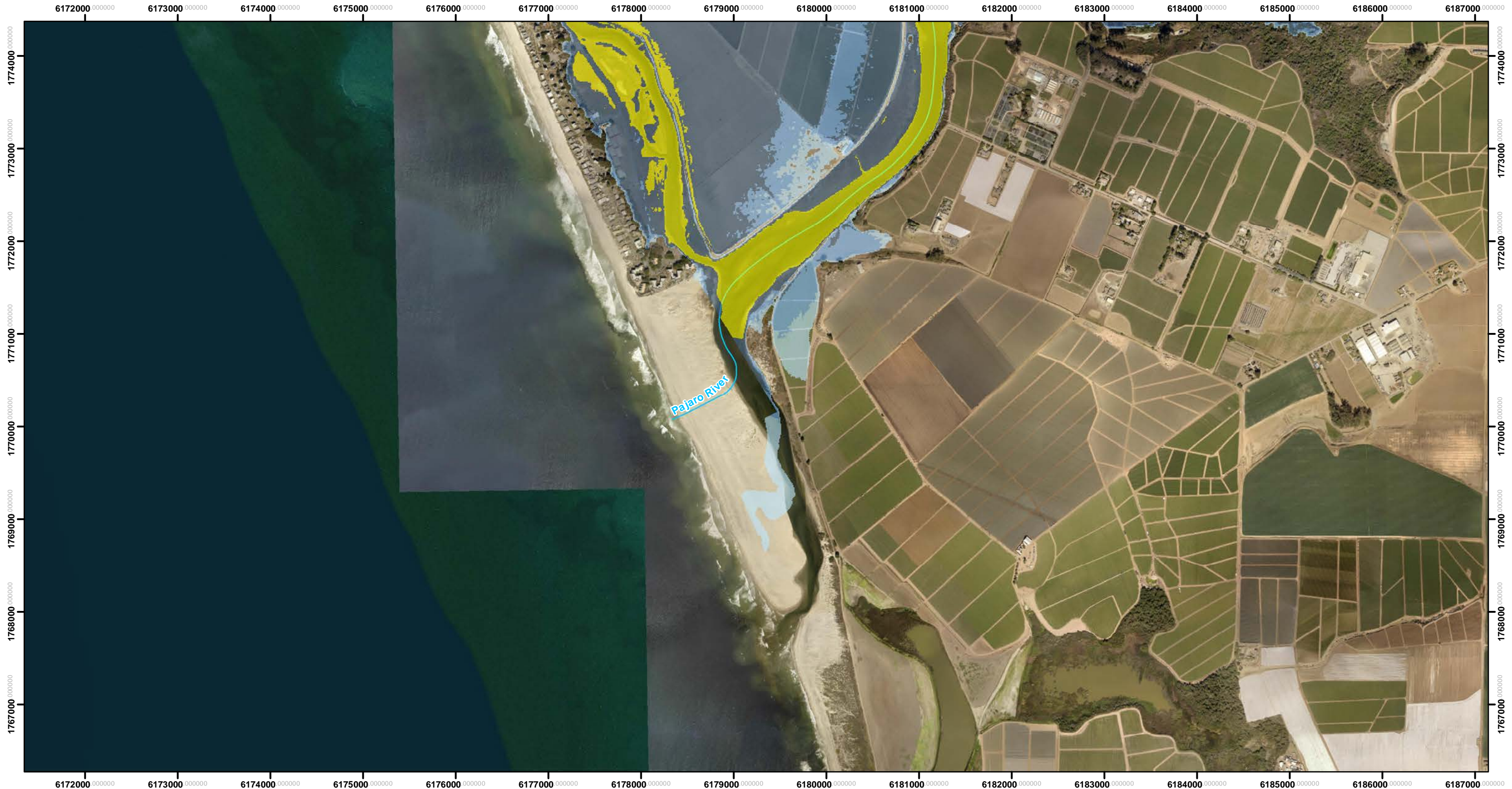
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- Legend**
- Maximum Inundation Depth (feet)
 - <1
 - 1 to 2
 - 2 to 5
 - 5 to 10
 - 10 to 20
 - Flood Wave Arrival Time
 - Cities

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of Uvas Dam
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 27 of 28
 1 in = 1,000 ft
 Dam Owner:
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 San Jose CA 95118
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Vertical Datum: NAVD88, U.S. Feet

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Maximum Inundation Depth (feet) Cities

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- 1 to 2
- 2 to 5
- 5 to 10

Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Inflow Design Flood Failure of **Uvas Dam**

Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 28 of 28

1 in = 1,000 ft

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