

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**

- |  |               |
|--|---------------|
| <b>Maximum Inundation Depth (feet)</b> | Cities        |
| <1                                     | Dams          |
| 1 to 2                                 | Road Callouts |
| 2 to 5                                 |               |
| 5 to 10                                |               |
| 10 to 20                               |               |
| >20                                    |               |

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 1 of 20**  
 1 in = 1,000 ft

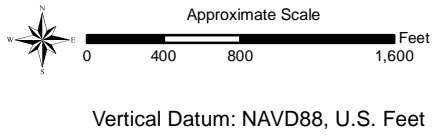
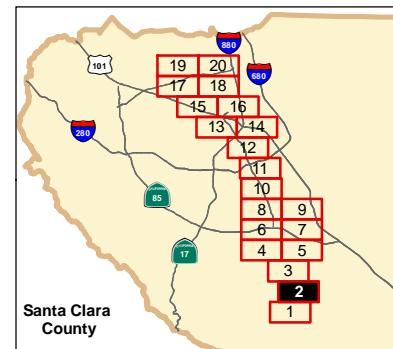
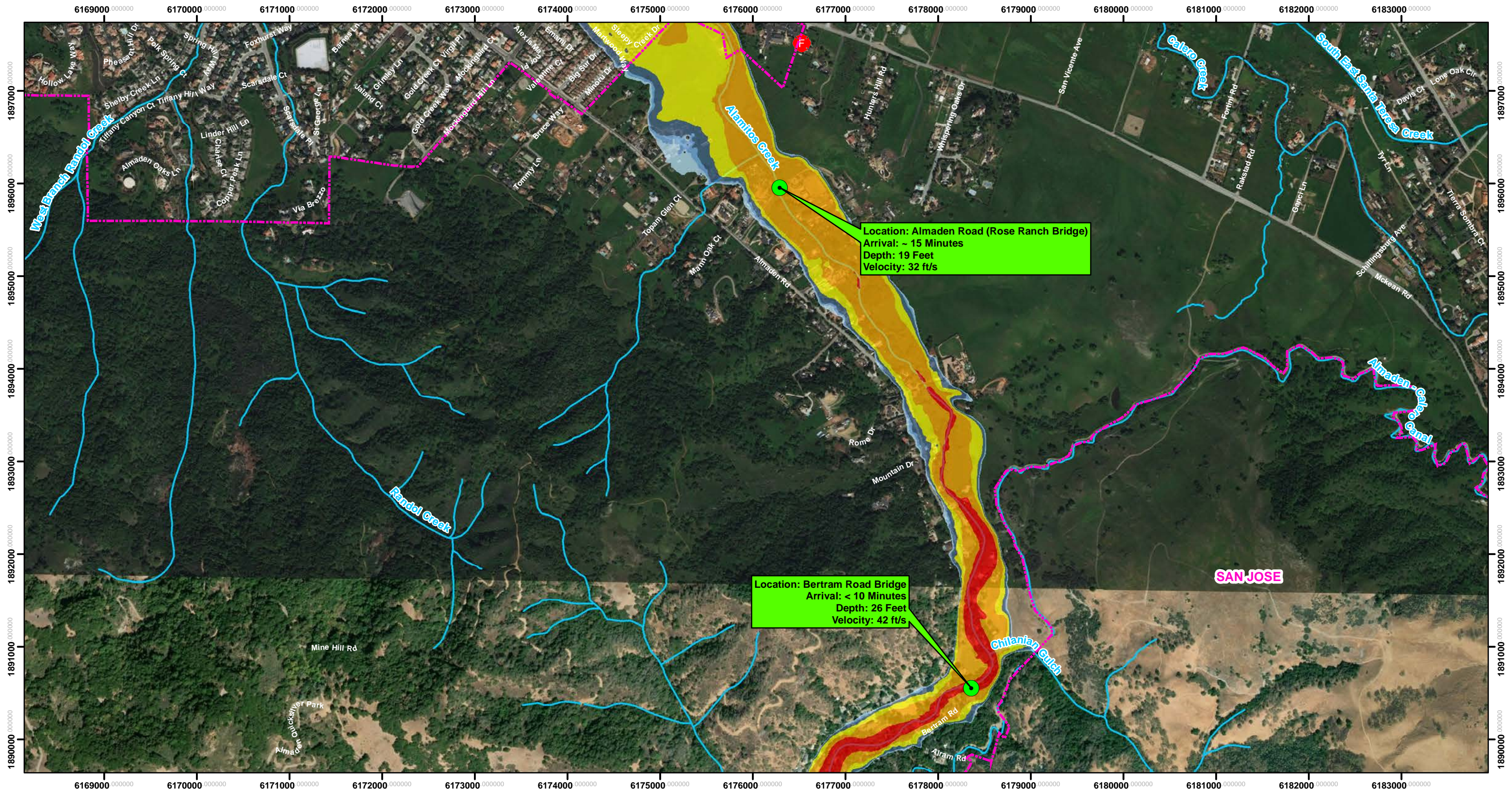
Dam Owner:  
 Santa Clara Valley Water District  
 5750 Almaden Exp  
 San Jose CA 95118

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
- Cities
- Fire Stations
- Road Callouts

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 2 of 20**  
 1 in = 1,000 ft

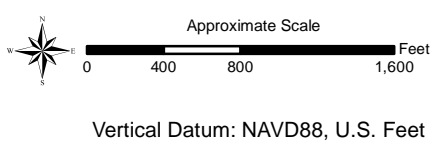
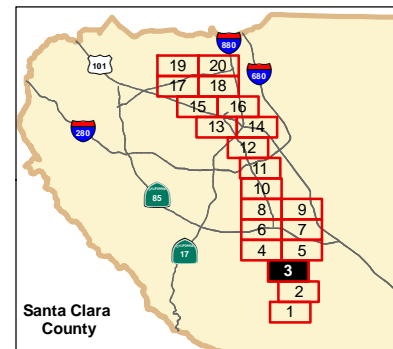
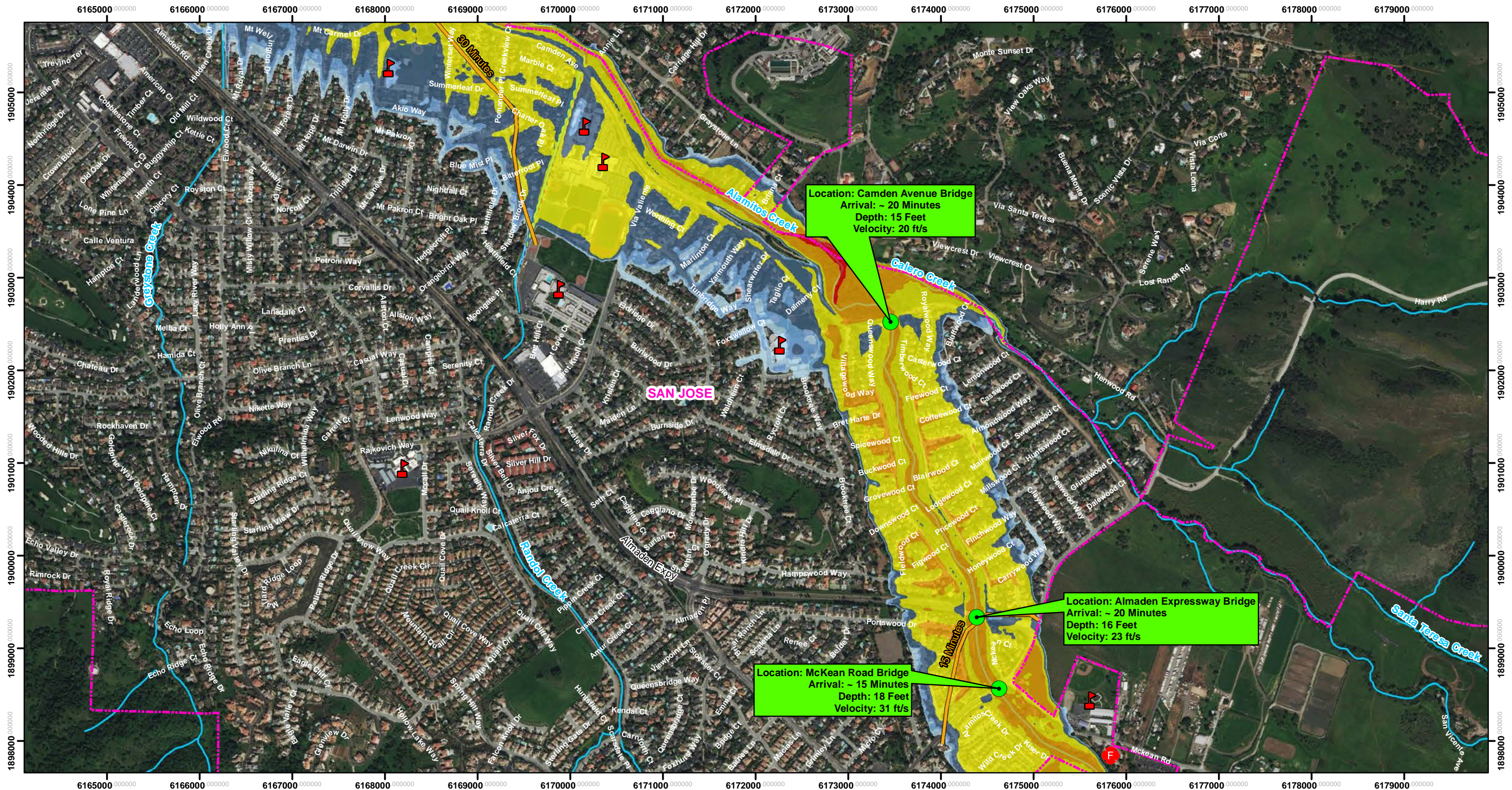
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- Maximum Inundation Depth (feet)**
    - <1
    - 1 to 2
    - 2 to 5
    - 5 to 10
    - 10 to 20
    - >20
  - Cities
  - Schools
  - Fire Stations
  - Road Callouts
  - Flood Wave Arrival Time

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 3 of 20**  
 1 in = 1,000 ft

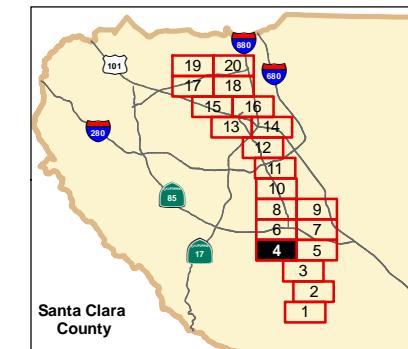
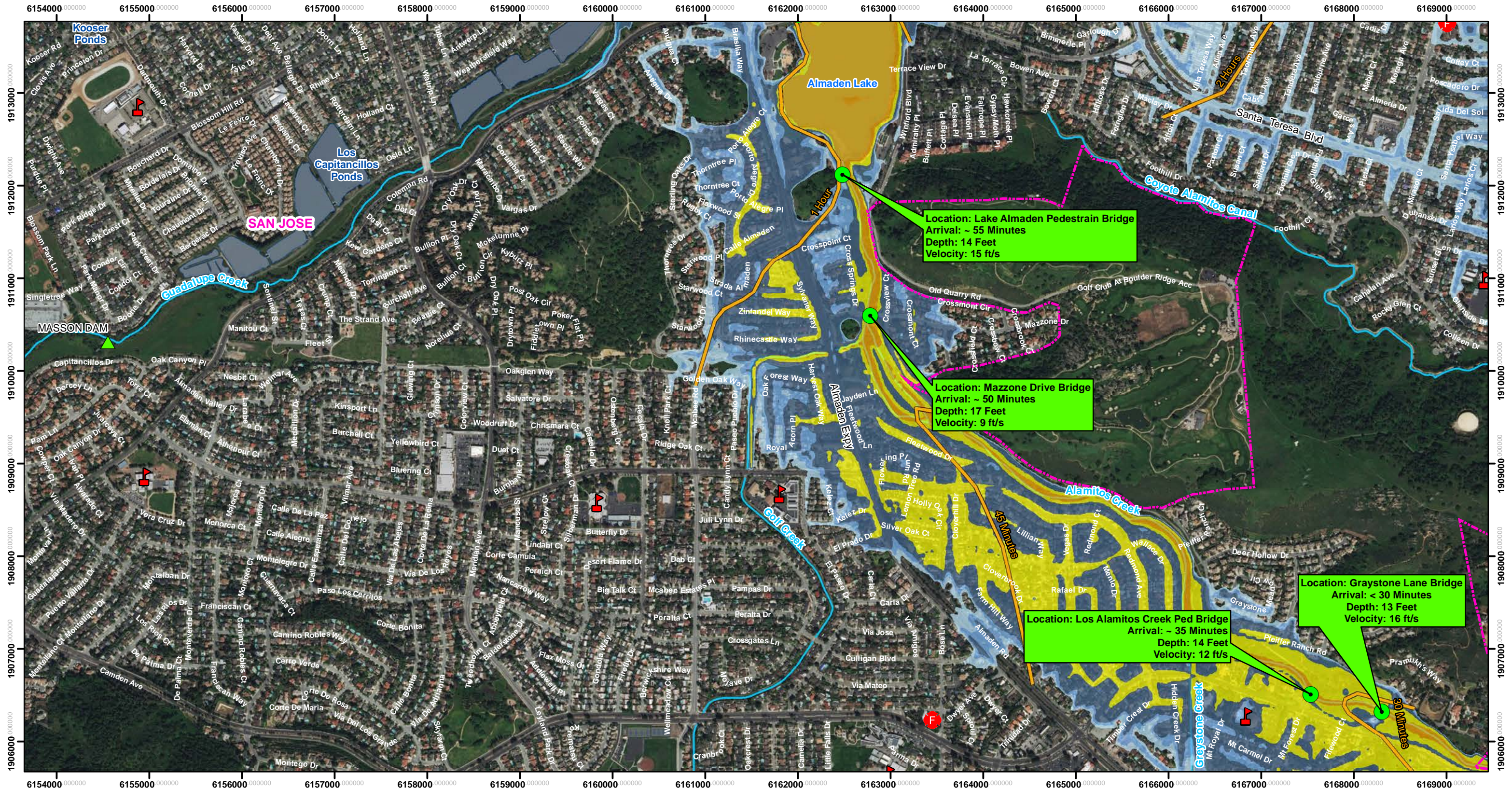
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Approximate Scale  
0 400 800 1,600 Feet

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
- Flood Wave Arrival Time**
- Cities
  - Dams
  - Schools
  - Fire Stations
  - Road Callouts

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**

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

**Sheet 4 of 20**

1 in = 1,000 ft

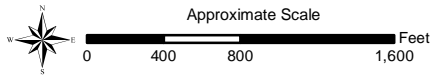
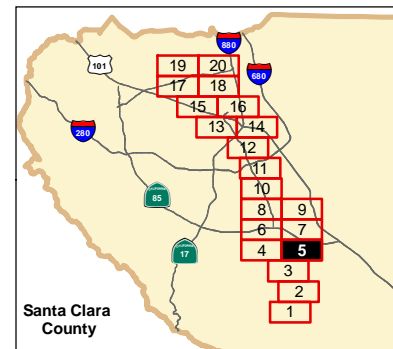
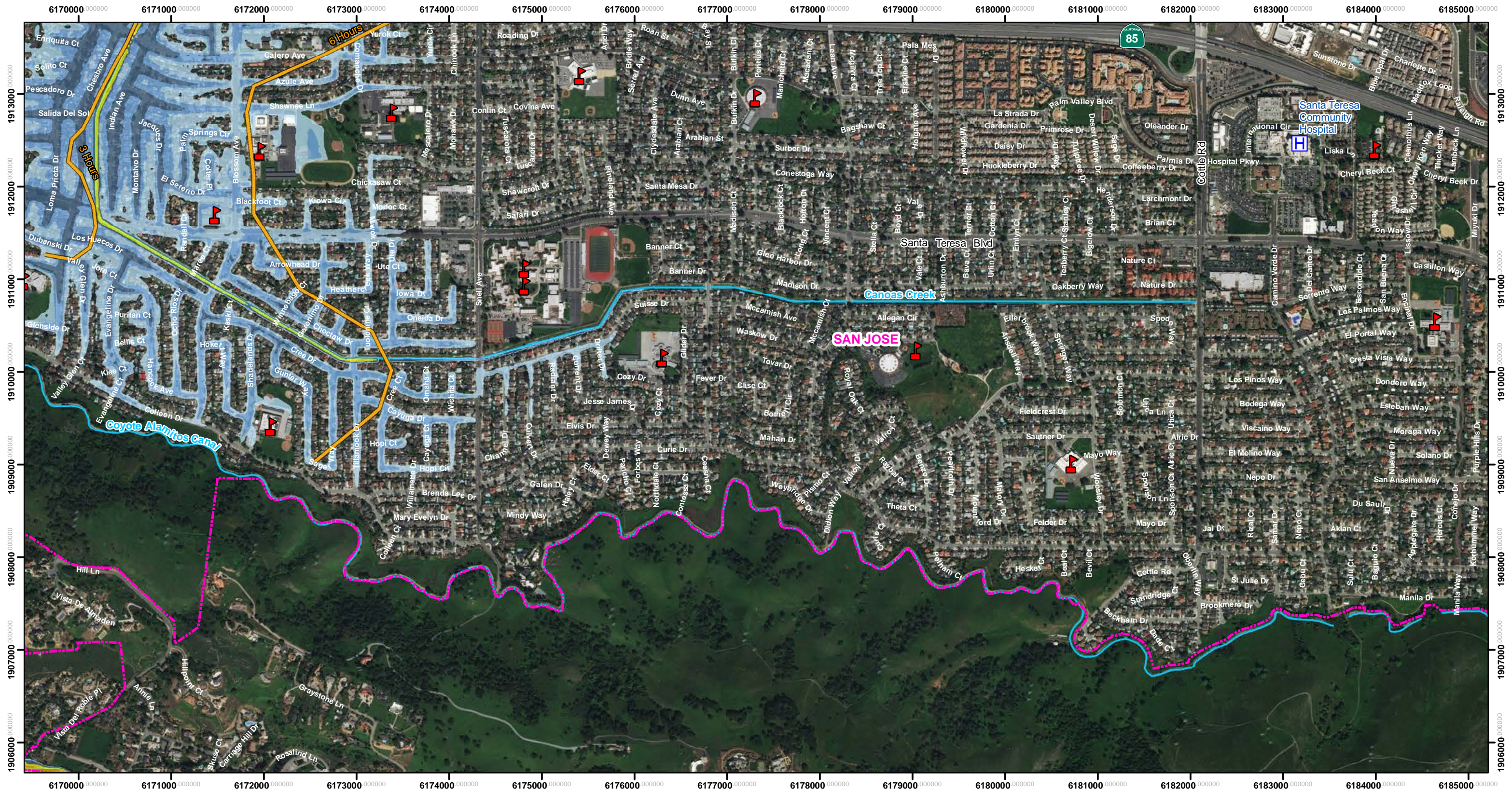
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Vertical Datum: NAVD88, U.S. Feet

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- Legend**
- <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - Flood Wave Arrival Time
  - Cities
  - Schools
  - Hospitals

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**

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

**Sheet 5 of 20**

1 in = 1,000 ft

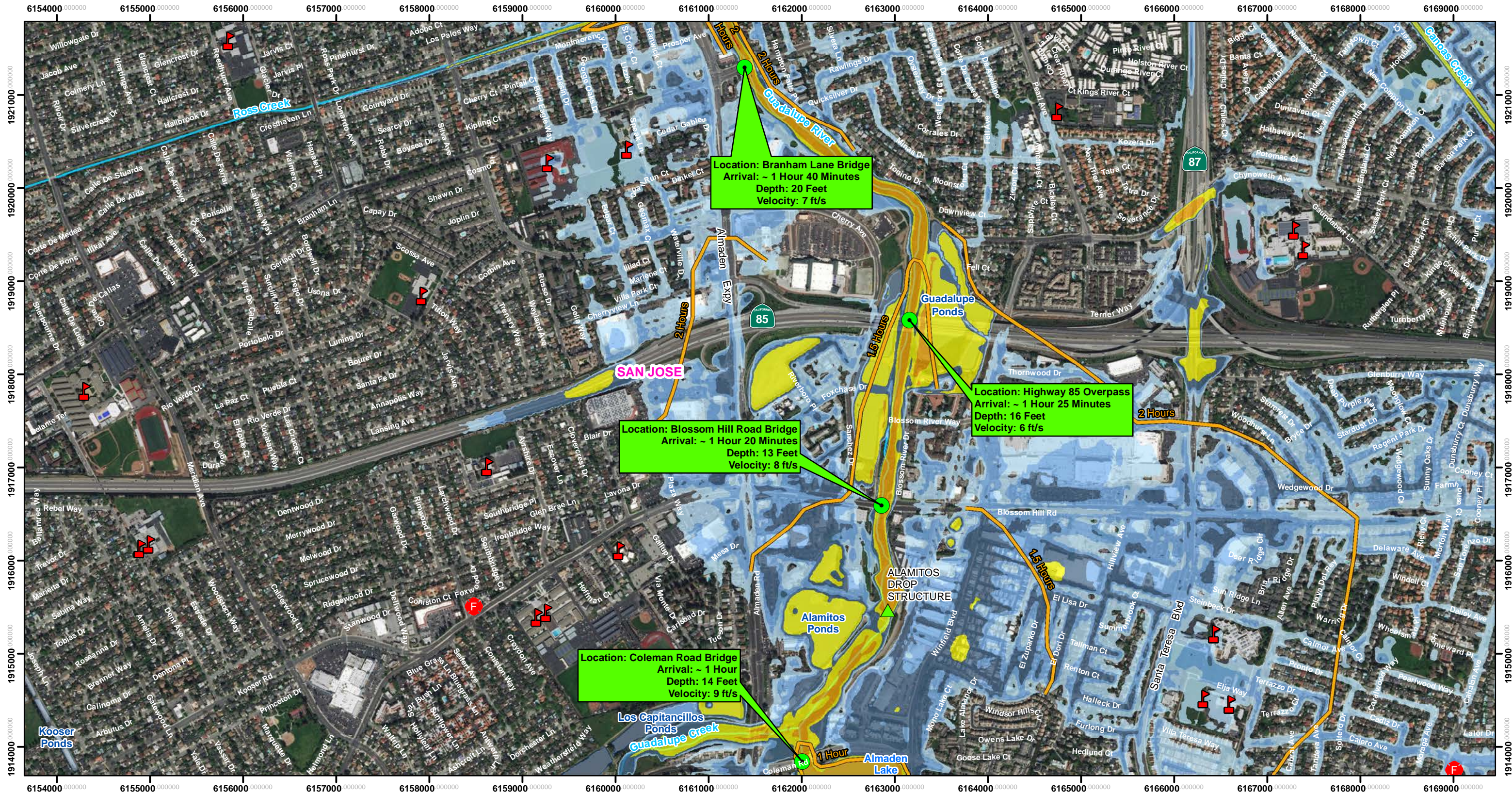
Dam Owner:  
Santa Clara Valley Water District  
5750 Almaden Exp  
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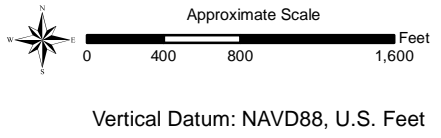
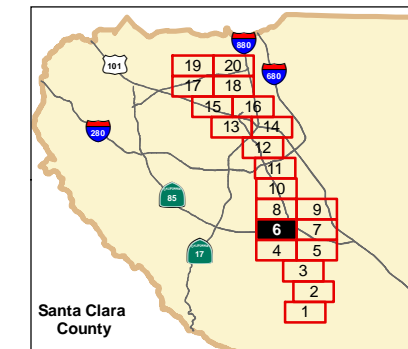


**Location: Branham Lane Bridge**  
 Arrival: ~ 1 Hour 40 Minutes  
 Depth: 20 Feet  
 Velocity: 7 ft/s

**Location: Highway 85 Overpass**  
 Arrival: ~ 1 Hour 25 Minutes  
 Depth: 16 Feet  
 Velocity: 6 ft/s

**Location: Blossom Hill Road Bridge**  
 Arrival: ~ 1 Hour 20 Minutes  
 Depth: 13 Feet  
 Velocity: 8 ft/s

**Location: Coleman Road Bridge**  
 Arrival: ~ 1 Hour  
 Depth: 14 Feet  
 Velocity: 9 ft/s



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- <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
  - Cities
  - Dams
  - Schools
  - F Fire Stations
  - Road Callouts
  - Flood Wave Arrival Time

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 6 of 20**  
 1 in = 1,000 ft

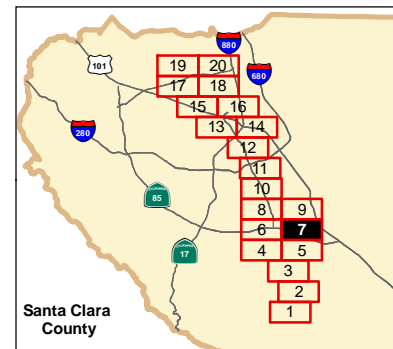
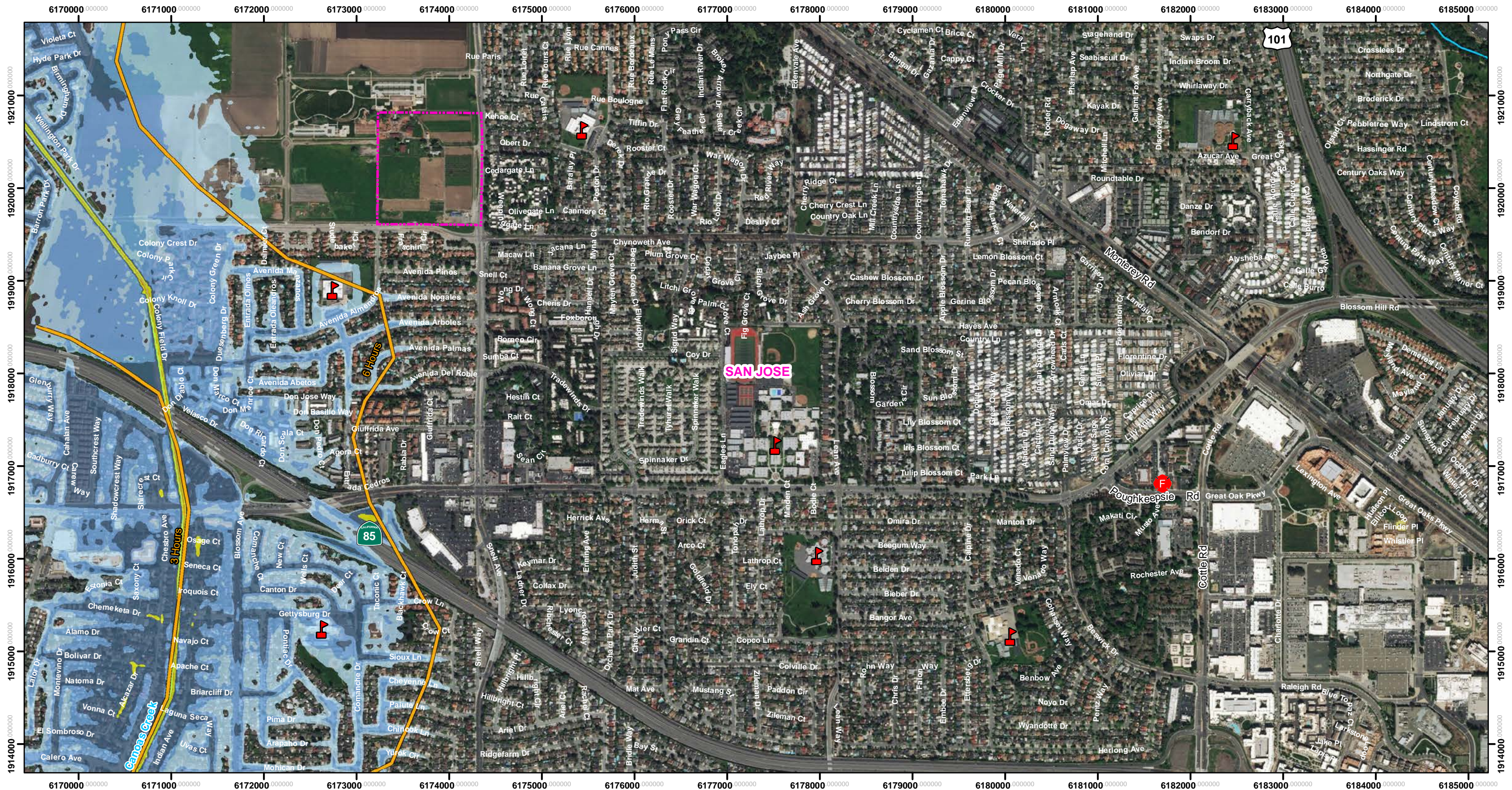
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Approximate Scale  
0 400 800 1,600 Feet

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
  - Flood Wave Arrival Time
  - Cities
  - Schools
  - Fire Stations

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**

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

**Sheet 7 of 20**  
1 in = 1,000 ft

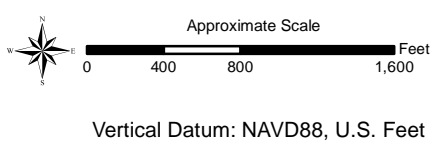
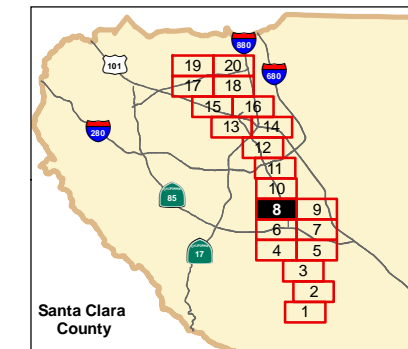
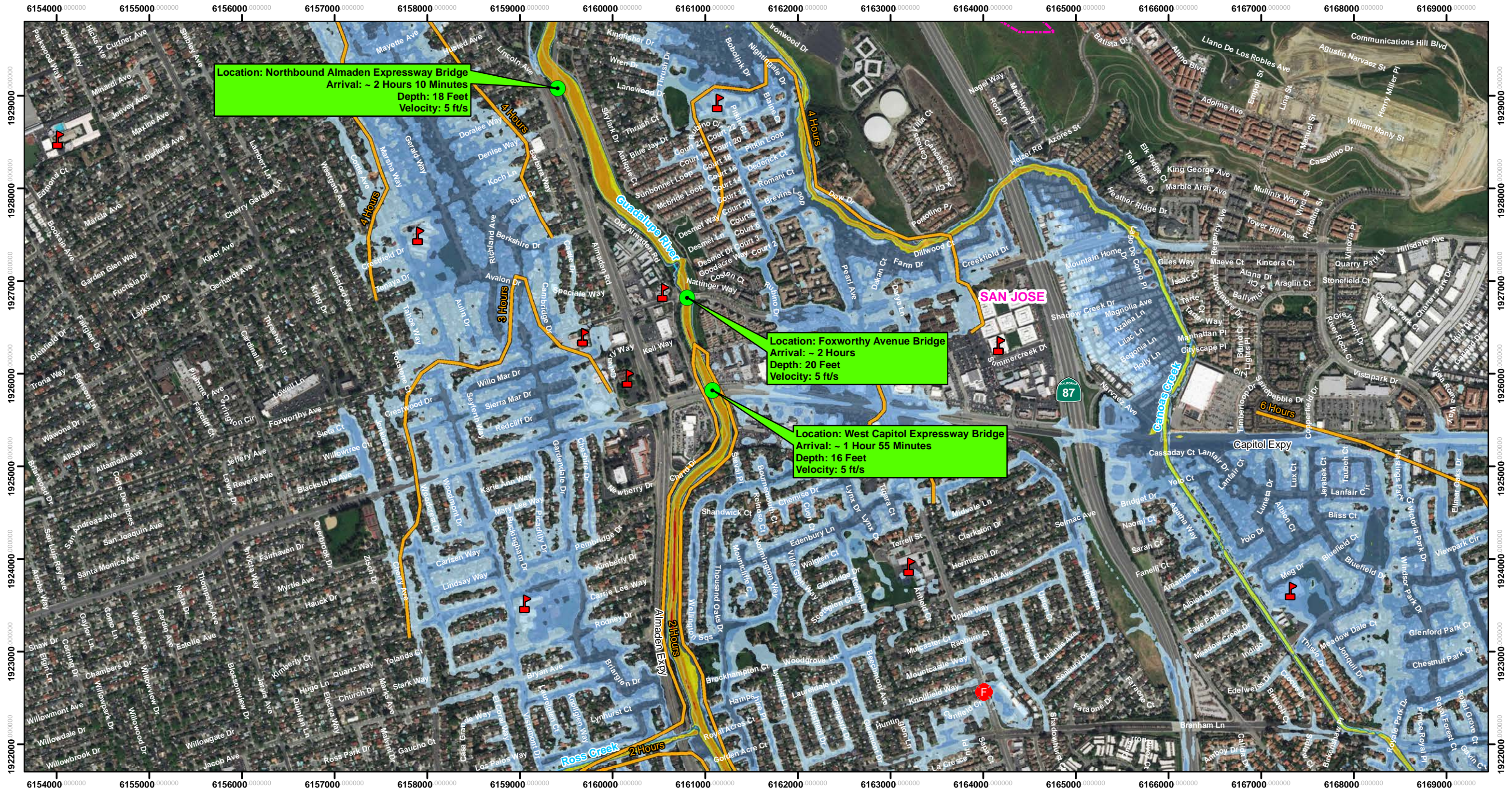
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- Legend**
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  - 1 to 2
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  - 5 to 10
  - 10 to 20
  - >20
  - Flood Wave Arrival Time
  - Cities
  - Schools
  - Fire Stations
  - Road Callouts

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**

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

**Sheet 8 of 20**

1 in = 1,000 ft

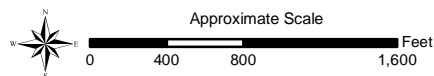
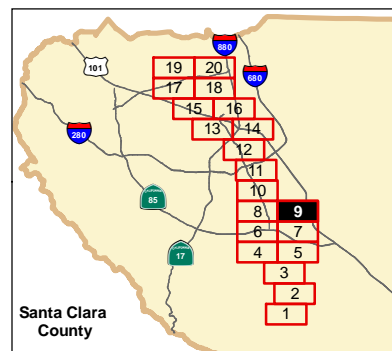
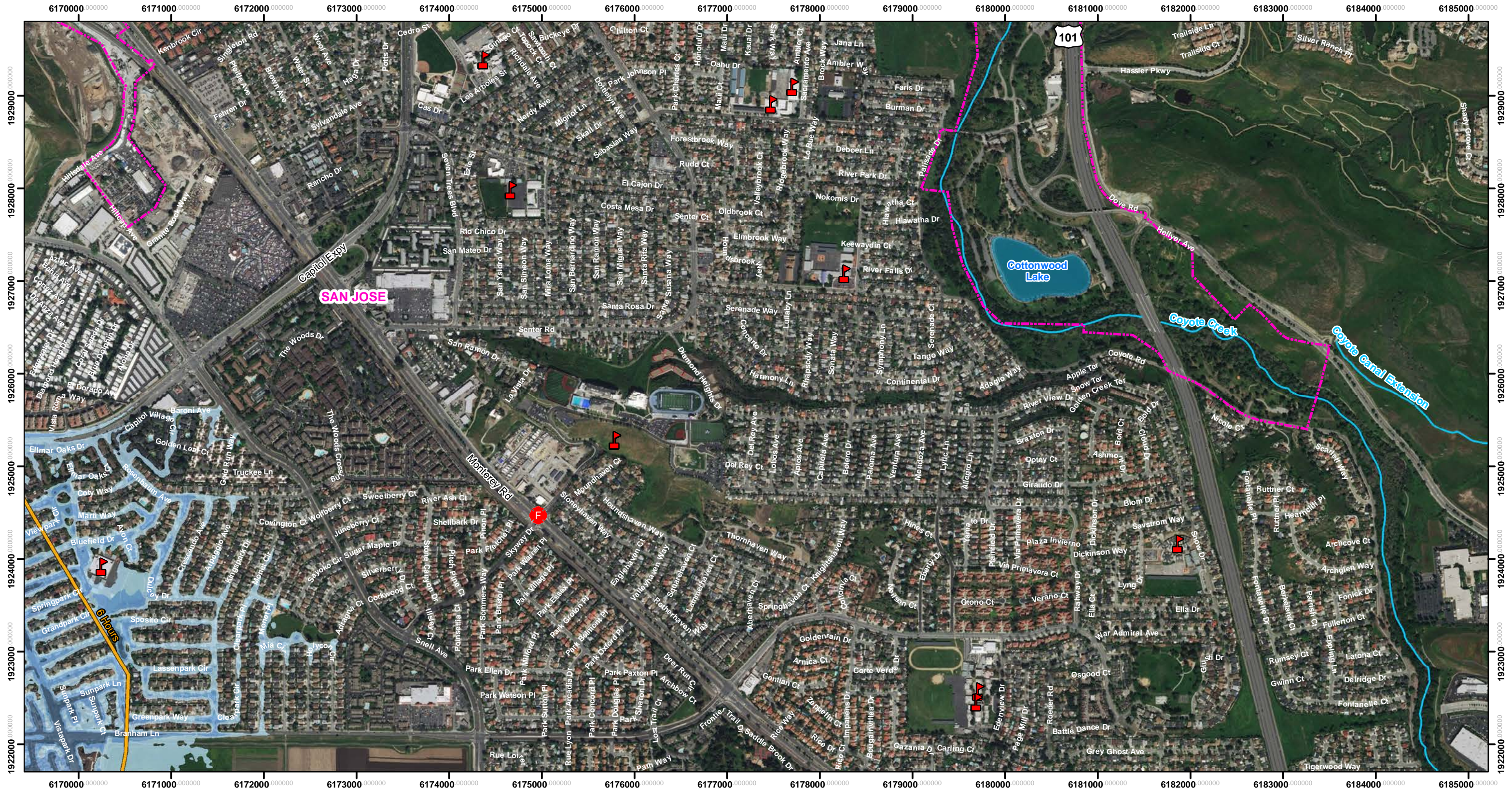
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Vertical Datum: NAVD88, U.S. Feet

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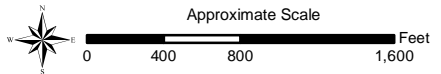
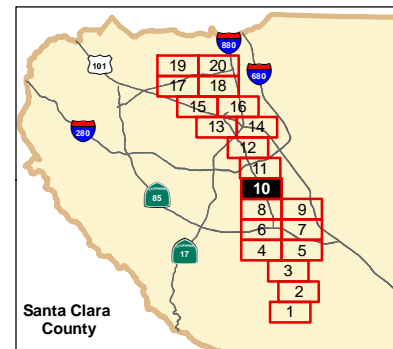
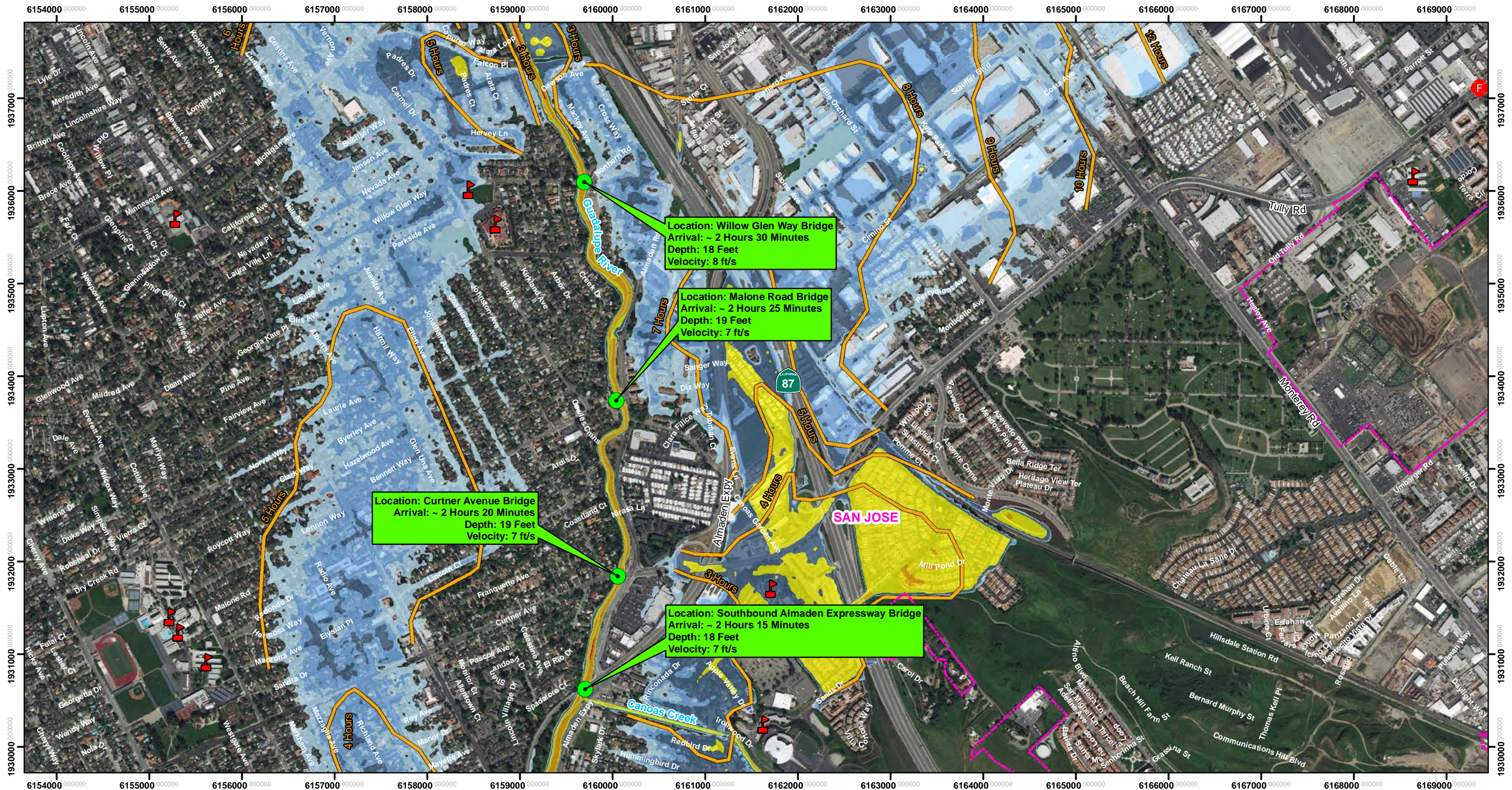
- Maximum Inundation Depth (feet)**
- <1
- 1 to 2
- 2 to 5
- Flood Wave Arrival Time
- Cities
- Schools
- Fire Stations

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 9 of 20**  
 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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Vertical Datum: NAVD88, U.S. Feet

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

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Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**

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

**Sheet 10 of 20**

1 in = 1,000 ft

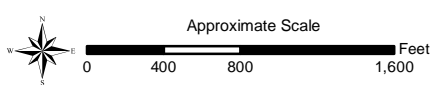
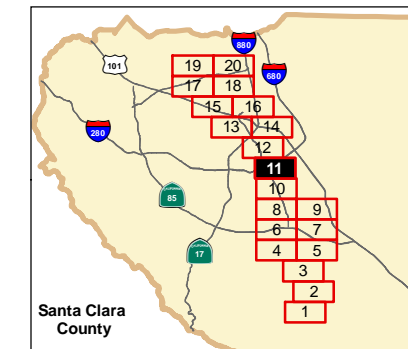
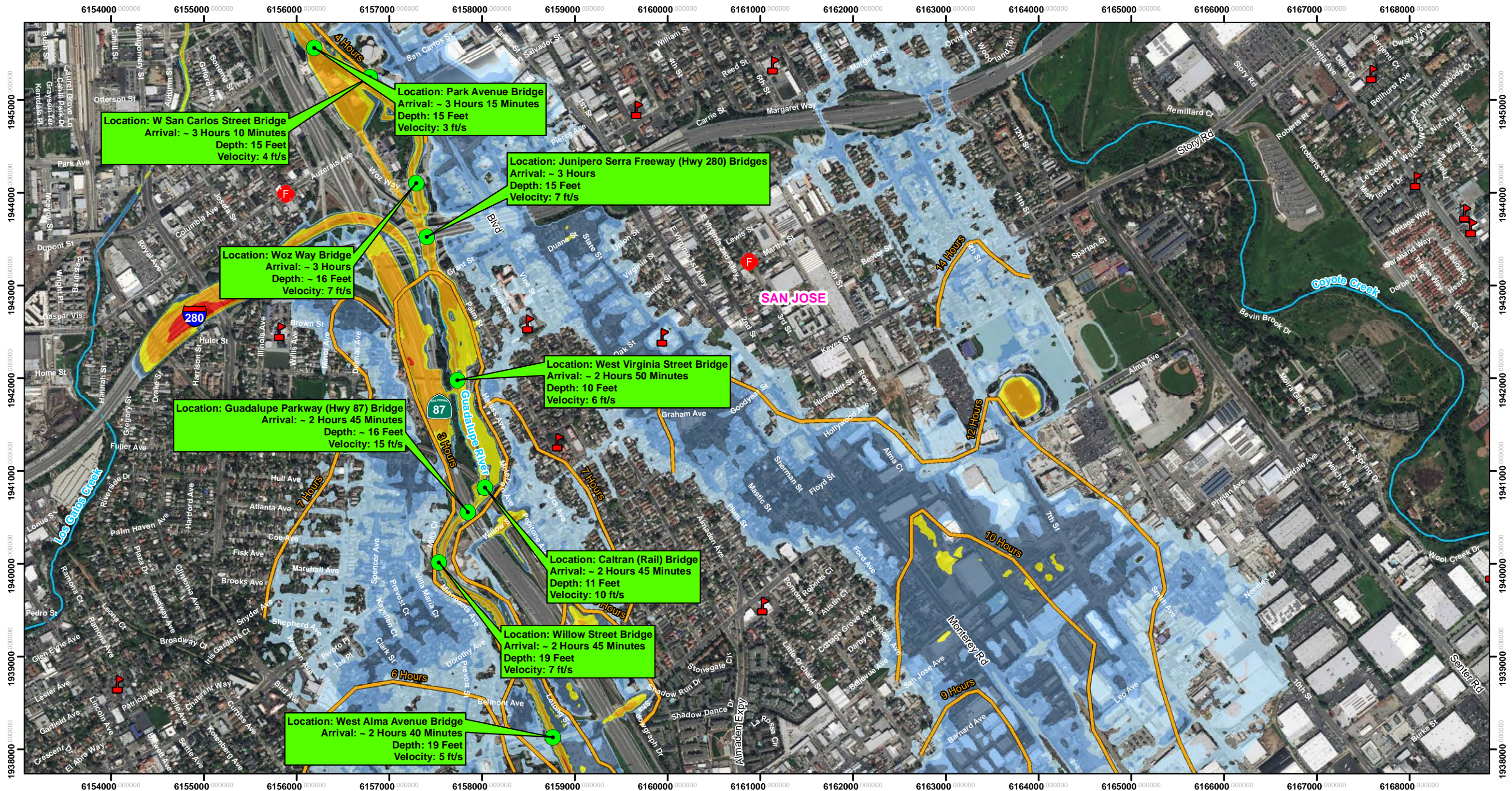
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Vertical Datum: NAVD88, U.S. Feet

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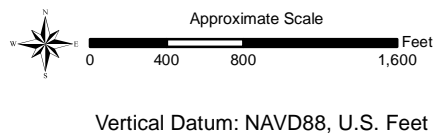
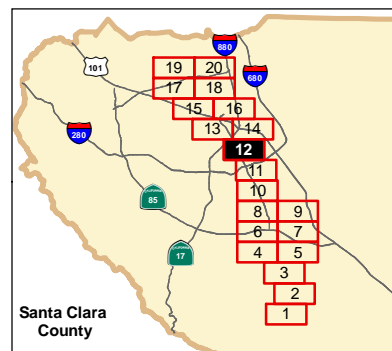
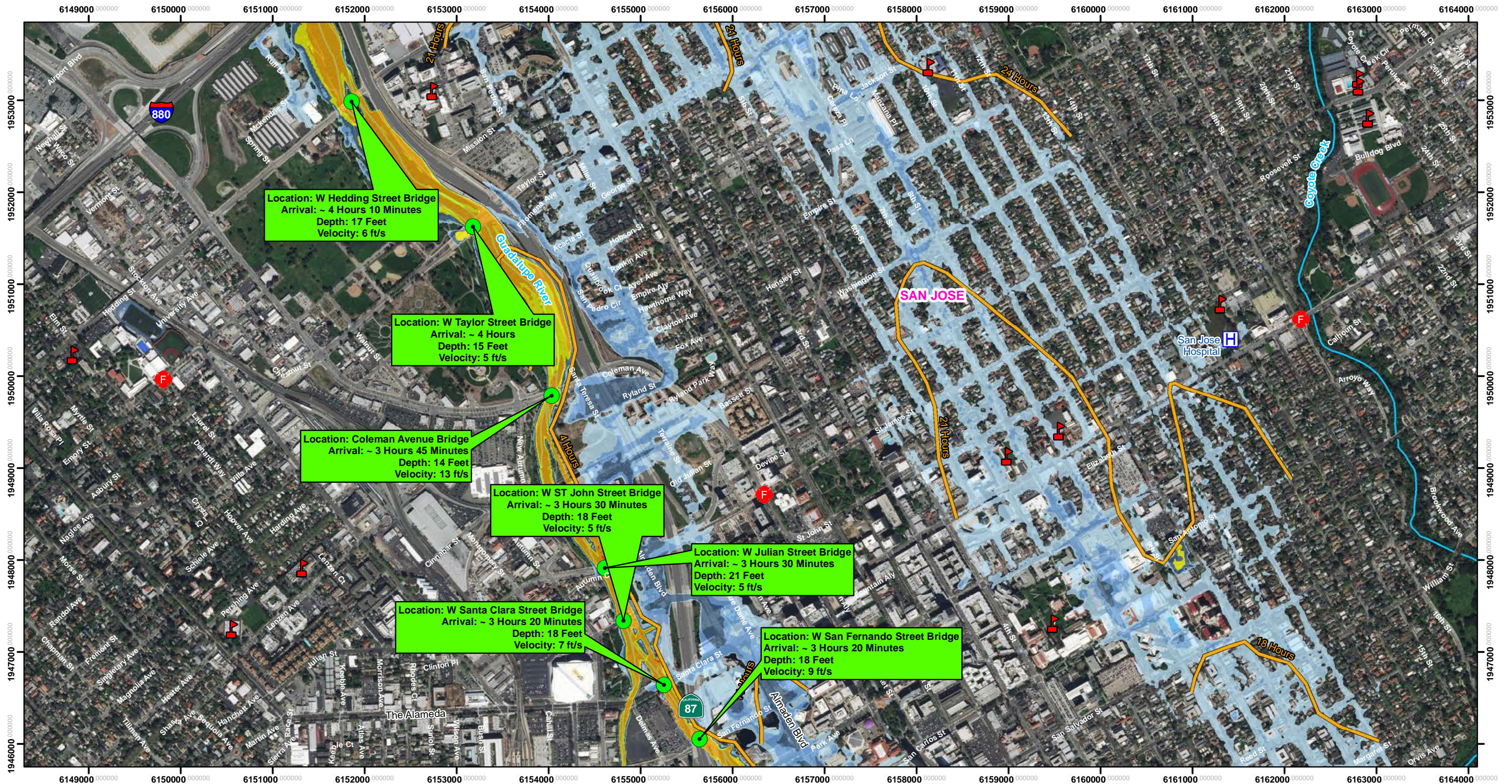
- Maximum Inundation Depth (feet)**
  - <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
- Cities
- Schools
- Fire Stations
- Road Callouts
- Flood Wave Arrival Time

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Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 11 of 20**  
 1 in = 1,000 ft  
 Dam Owner: Santa Clara Valley Water District  
 5750 Almaden Exp  
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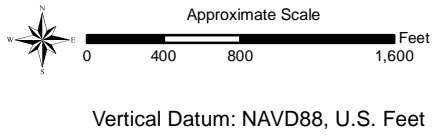
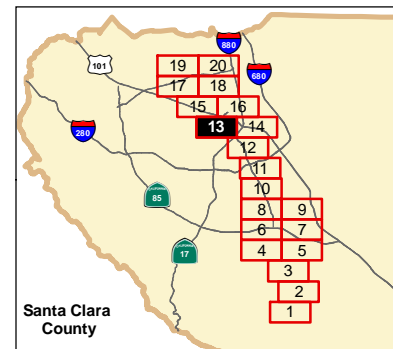
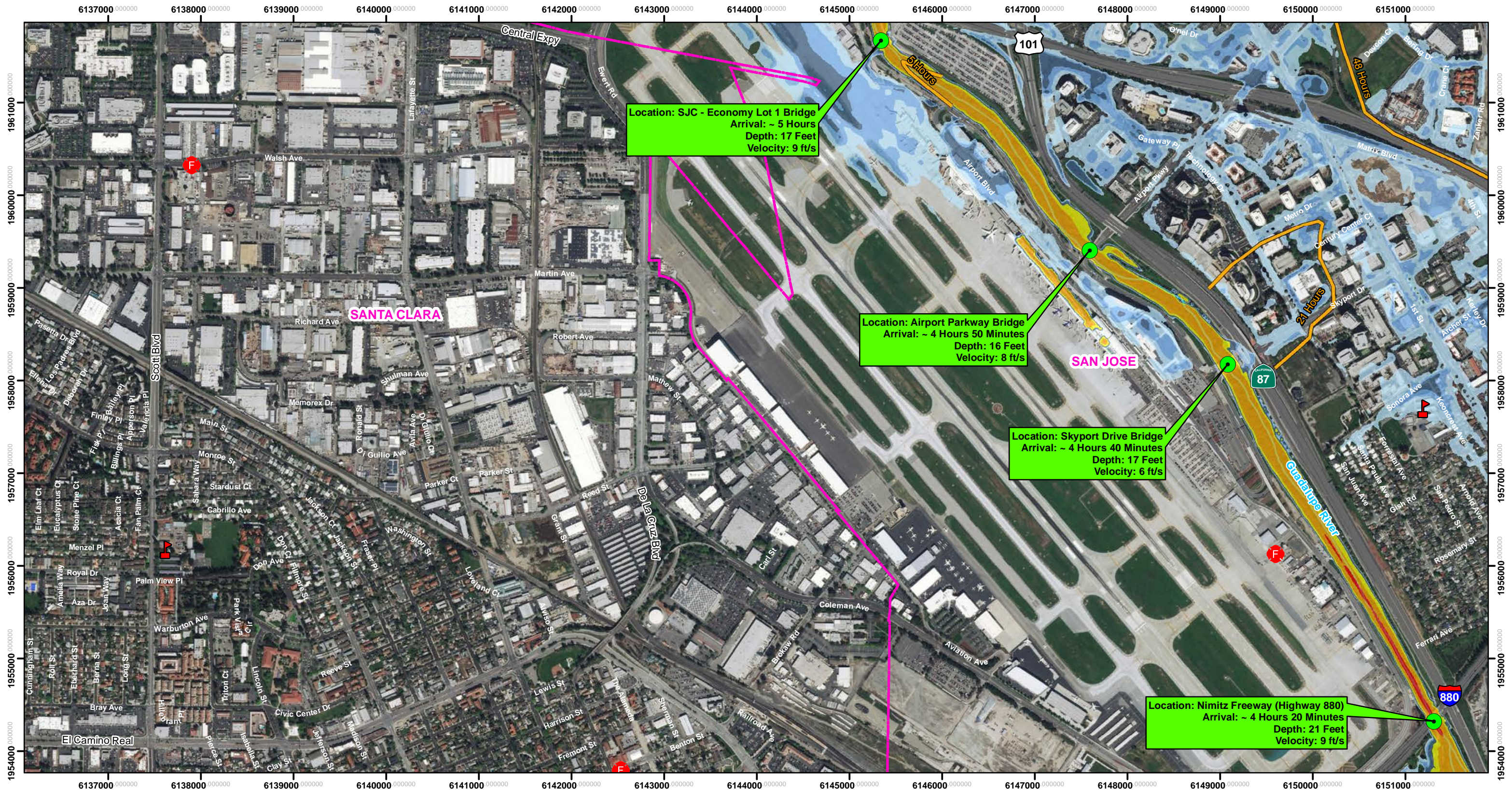
- Maximum Inundation Depth (feet)**
  - <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
- Flood Wave Arrival Time**
- Cities
- Schools
- Hospitals
- Fire Stations
- Road Callouts

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Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 12 of 20**  
 1 in = 1,000 ft  
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    - <1
    - 1 to 2
    - 2 to 5
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    - 10 to 20
    - >20
  - Cities
  - Schools
  - Fire Stations
  - Road Callouts
  - Flood Wave Arrival Time

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



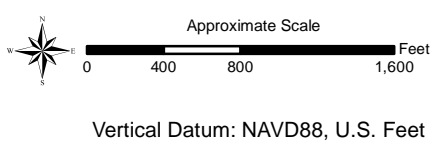
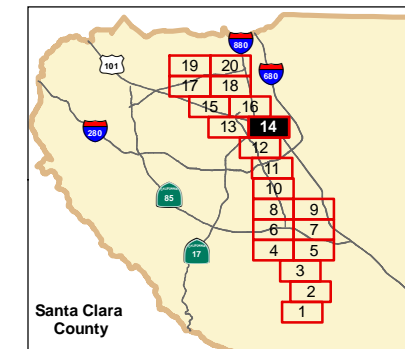
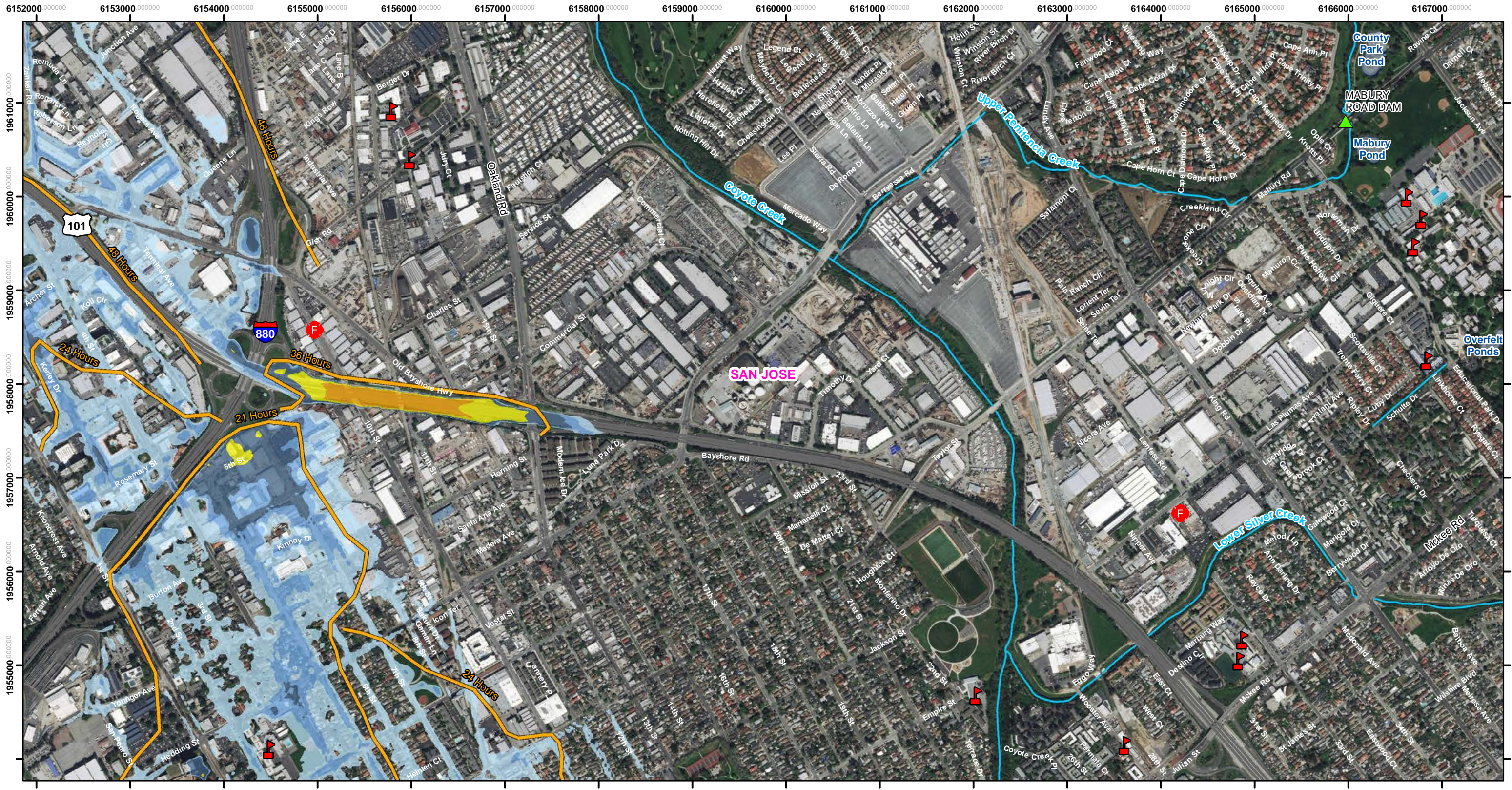
Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 13 of 20**  
 1 in = 1,000 ft

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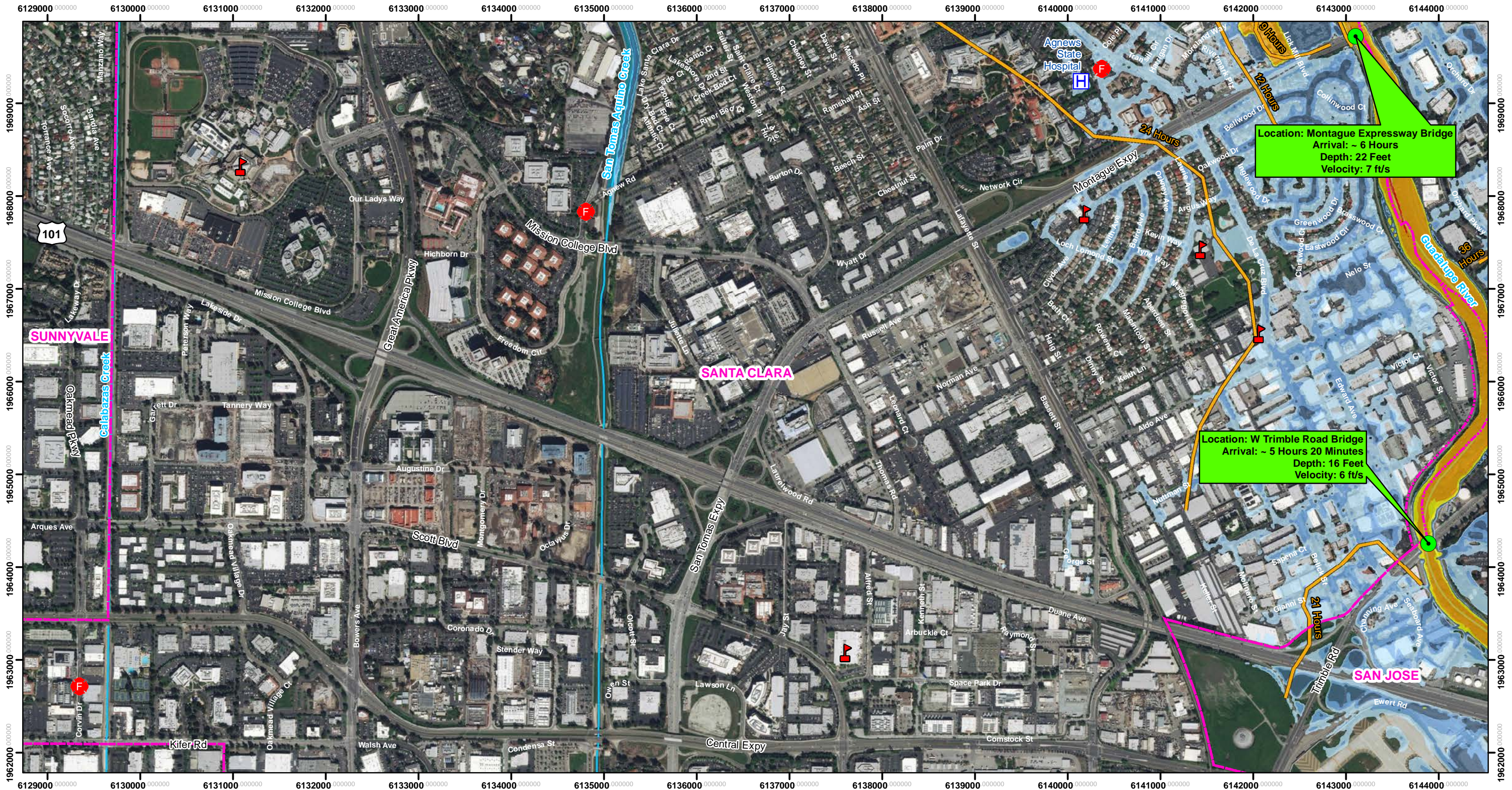
- Legend**
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  - 5 to 10
  - 10 to 20
  - Flood Wave Arrival Time
  - Cities
  - ▲ Dams
  - ▲ Schools
  - F Fire Stations

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



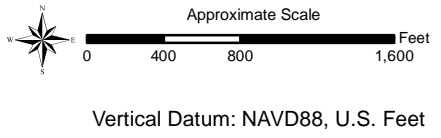
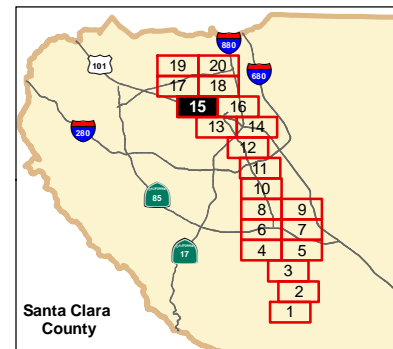
Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 14 of 20**  
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**Location: Montague Expressway Bridge**  
 Arrival: ~ 6 Hours  
 Depth: 22 Feet  
 Velocity: 7 ft/s

**Location: W Trimble Road Bridge**  
 Arrival: ~ 5 Hours 20 Minutes  
 Depth: 16 Feet  
 Velocity: 6 ft/s



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- Cities
  - Schools
  - Hospitals
  - Fire Stations
  - Road Callouts
  - Flood Wave Arrival Time

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



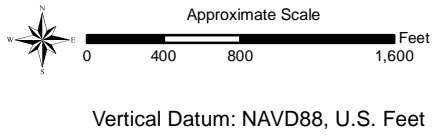
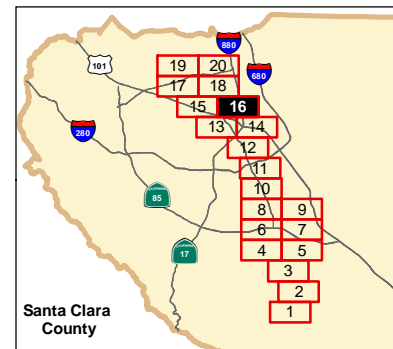
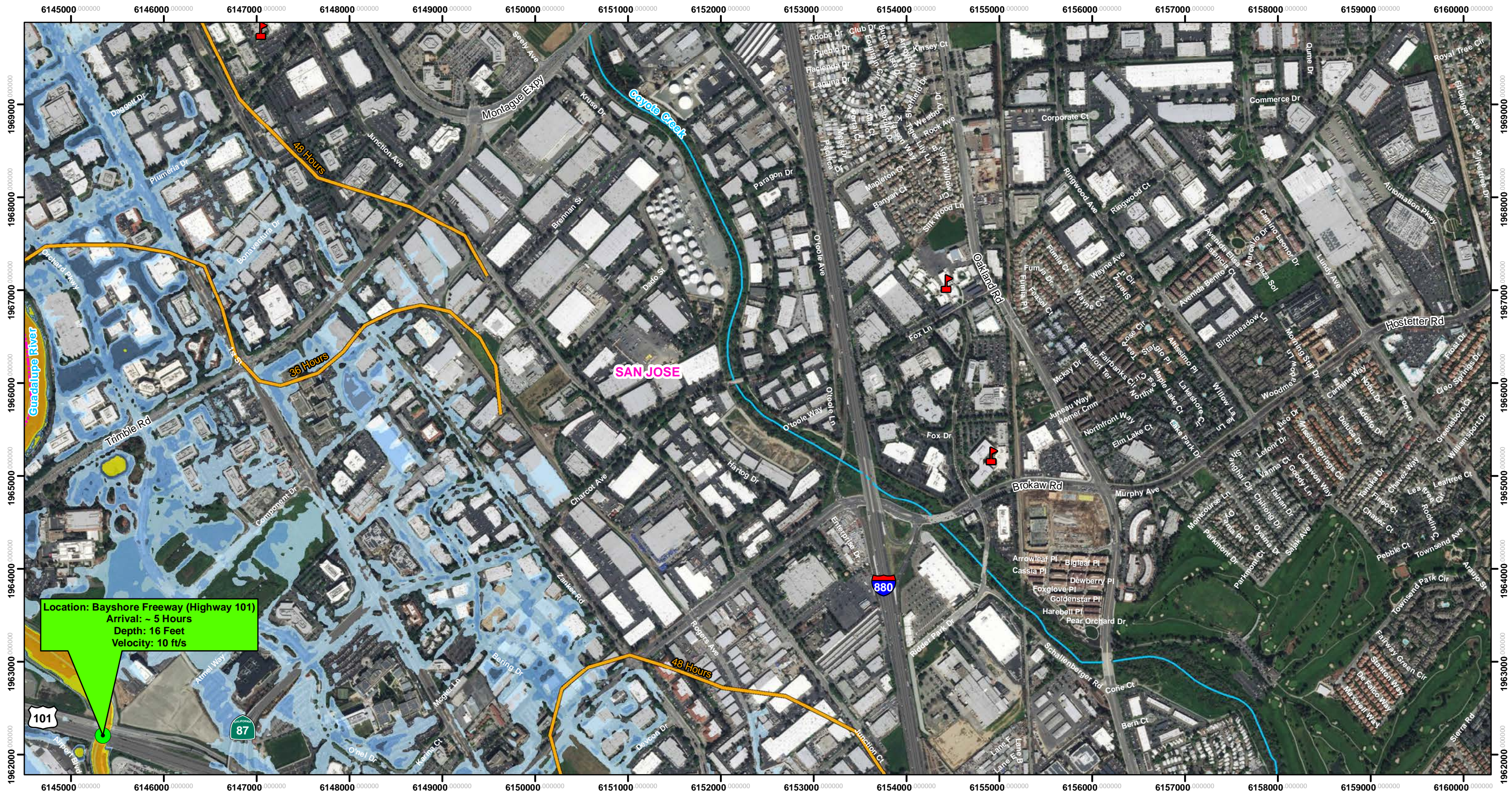
Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 15 of 20**  
 1 in = 1,000 ft

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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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**
- <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - Flood Wave Arrival Time
  - Cities
  - Schools
  - Road Callouts

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



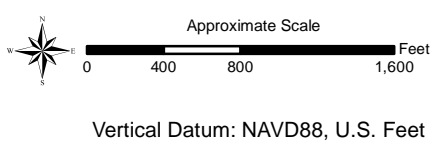
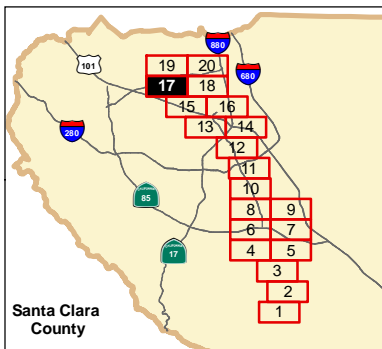
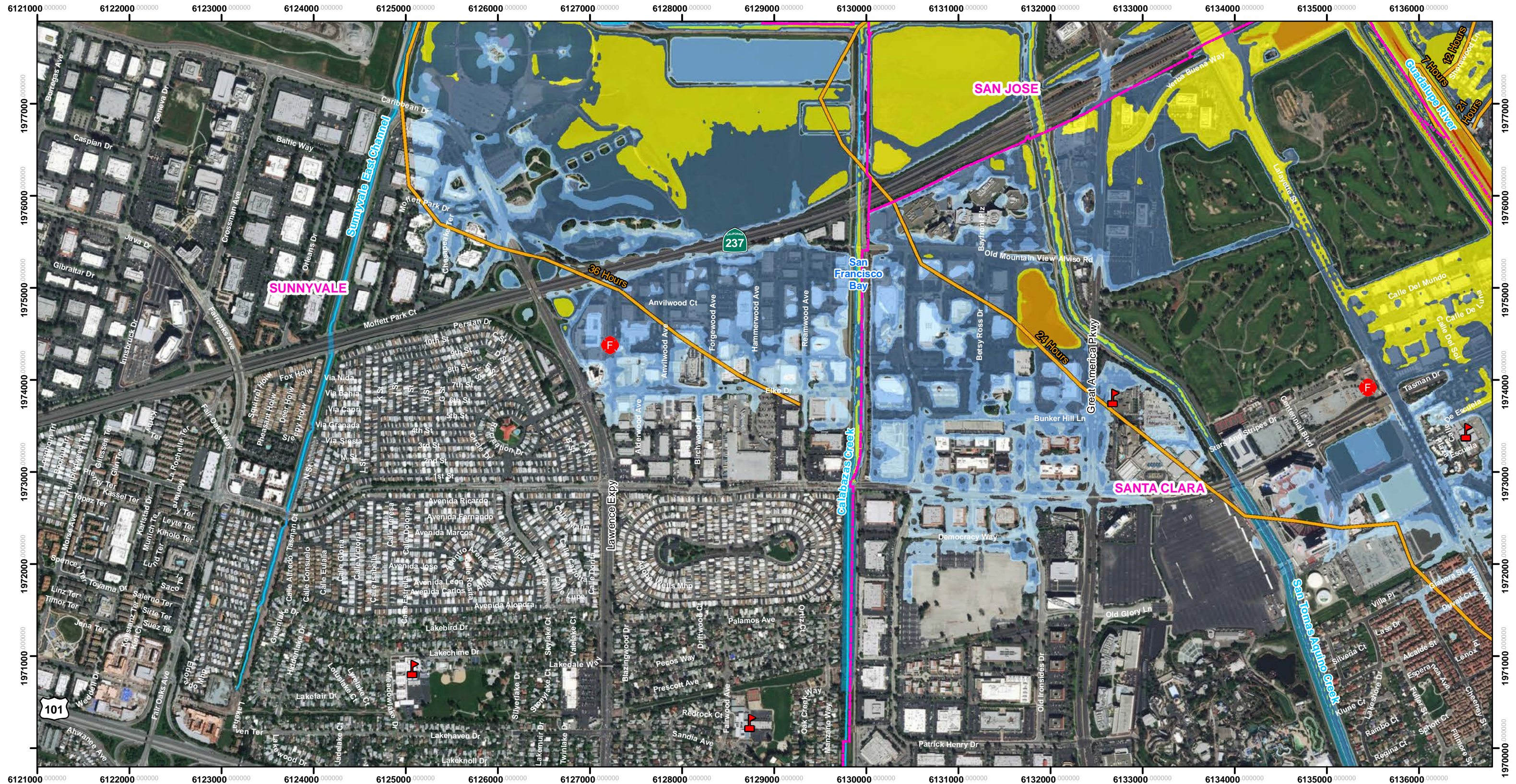
Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 16 of 20**  
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- Legend**
- Maximum Inundation Depth (feet)**
    - <1
    - 1 to 2
    - 2 to 5
    - 5 to 10
    - 10 to 20
    - >20
  - Cities
  - Schools
  - Fire Stations
  - Flood Wave Arrival Time

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



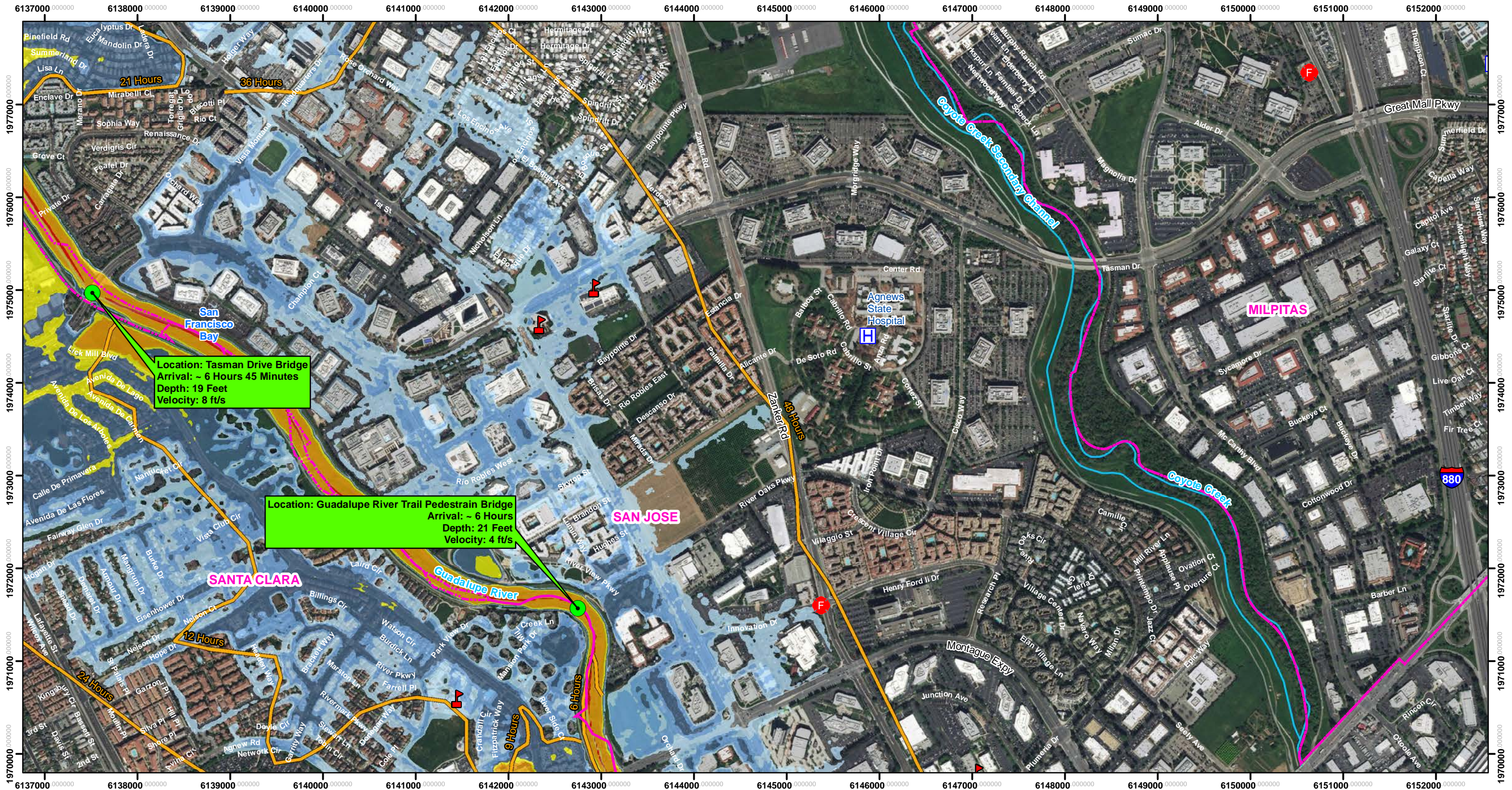
Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 17 of 20**  
 1 in = 1,000 ft

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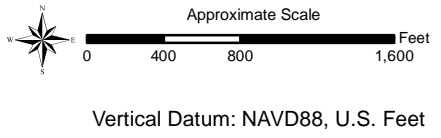
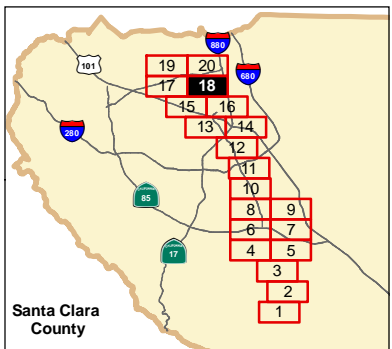
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**Location: Tasman Drive Bridge**  
 Arrival: ~ 6 Hours 45 Minutes  
 Depth: 19 Feet  
 Velocity: 8 ft/s

**Location: Guadalupe River Trail Pedestrian Bridge**  
 Arrival: ~ 6 Hours  
 Depth: 21 Feet  
 Velocity: 4 ft/s



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- Legend**
- <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
  - Flood Wave Arrival Time
  - Cities
  - Schools
  - Hospitals
  - Fire Stations
  - Road Callouts

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



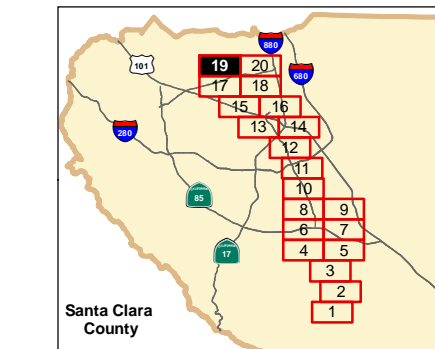
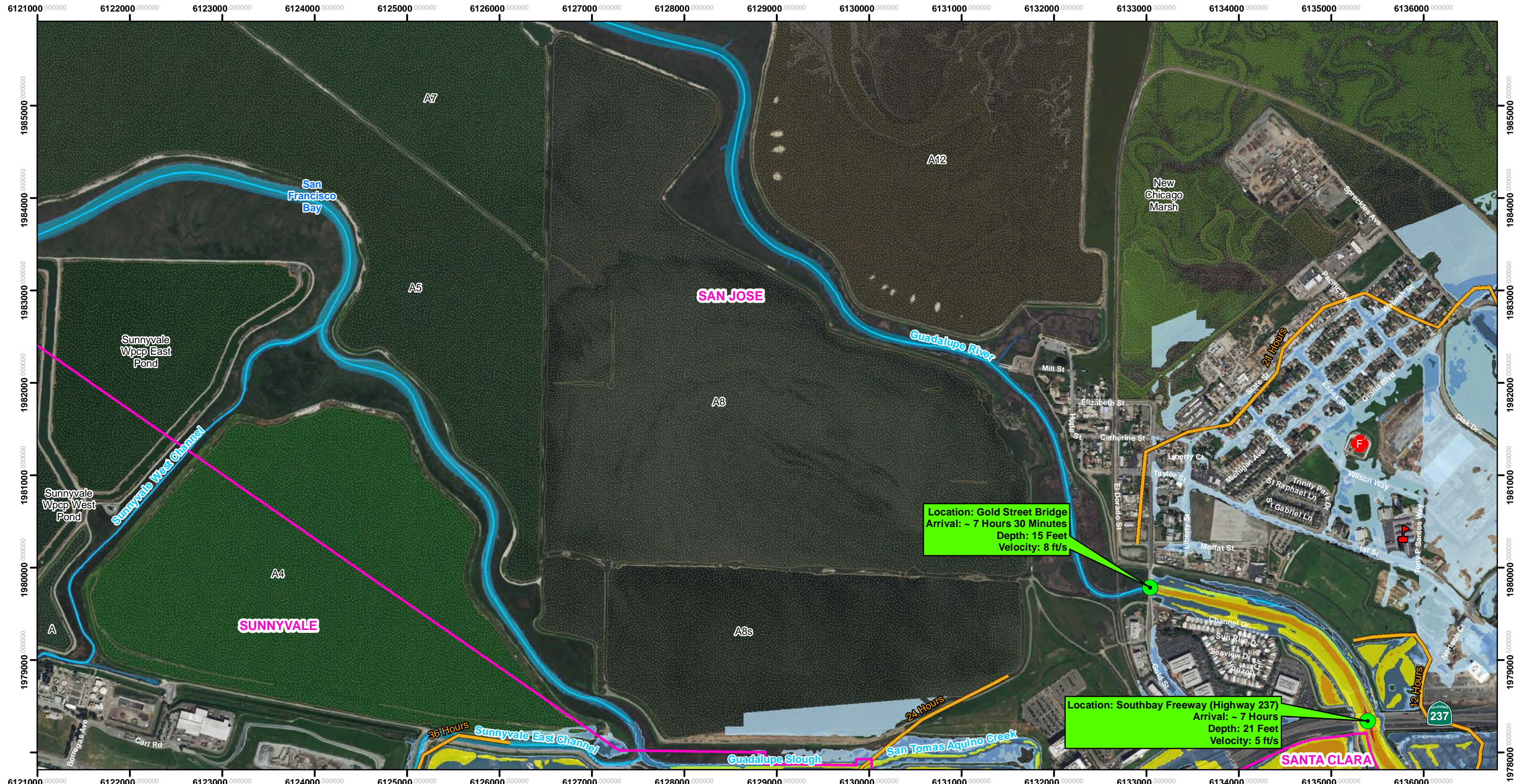
Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 18 of 20**  
 1 in = 1,000 ft

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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
- Other Symbols:**
- Cities
  - Schools
  - F Fire Stations
  - Road Callouts
- Flood Wave Arrival Time**

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**

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

**Sheet 19 of 20**

1 in = 1,000 ft

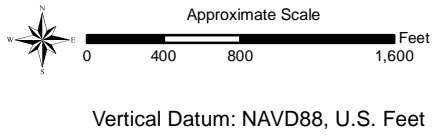
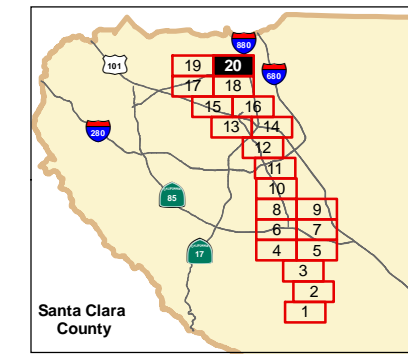
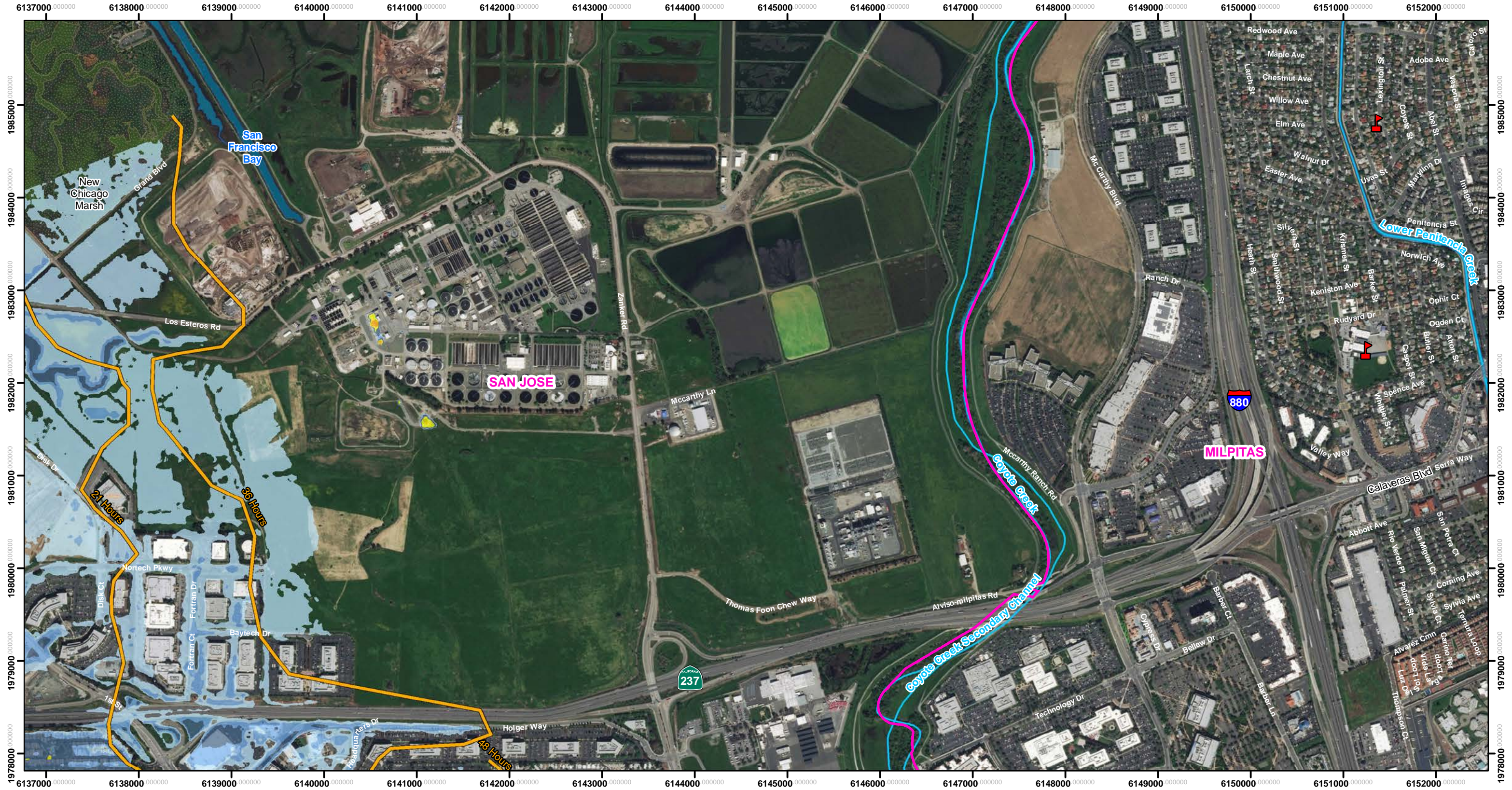
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- Legend**
- Maximum Inundation Depth (feet)
    - <1
    - 1 to 2
    - 2 to 5
    - 5 to 10
    - 10 to 20
  - Flood Wave Arrival Time
  - Cities
  - Schools

Fair Weather (FW) failure assumes a dam failure at full capacity at the spillway lip without any additional inflow



Inundation Map for the Hypothetical Fair Weather Failure of **Almaden Dam**

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

**Sheet 20 of 20**

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