

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
- Dams

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



Inundation Map for the  
Hypothetical Fair Weather Failure of  
**Calero Dam and Calero Auxiliary Dam**  
Federal Dam ID: CA00294 State Dam ID: 72-009

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

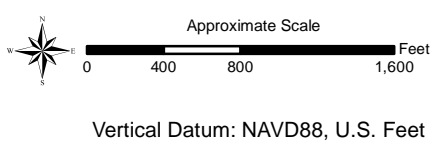
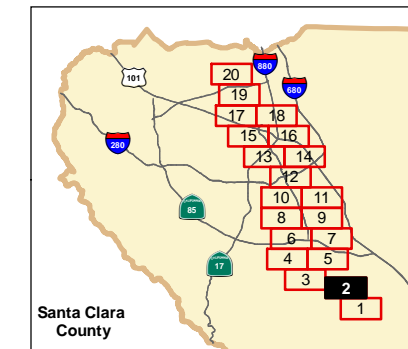
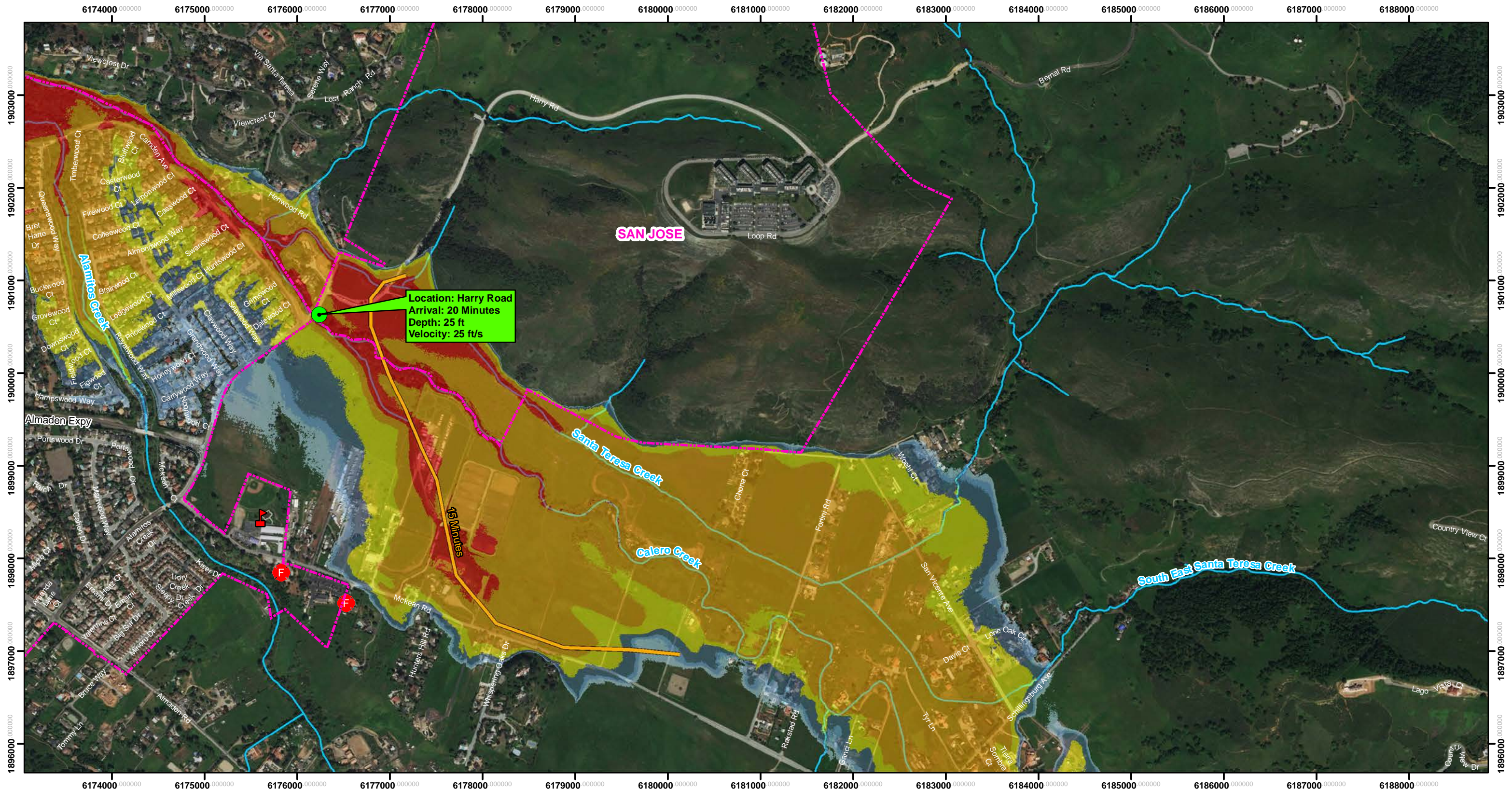
Dam Owner:  
Santa Clara Valley Water District  
5750 Almaden Exp  
San Jose CA 95118

Inundation Analysis and maps  
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August 2019

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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 **Calero Dam and Calero Auxiliary Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009

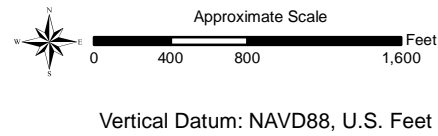
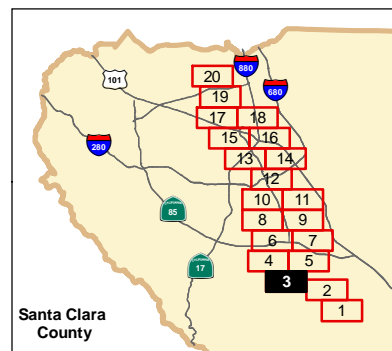
**Sheet 2 of 20**  
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  - <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
- Cities
- Schools
- Fire Stations
- Flood Wave Arrival Time

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



Inundation Map for the Hypothetical Fair Weather Failure of **Calero Dam and Calero Auxiliary Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009

**Sheet 3 of 20**  
 1 in = 1,000 ft

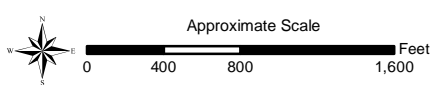
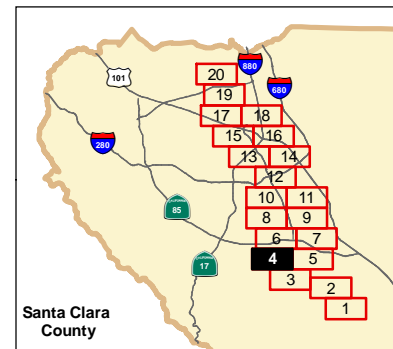
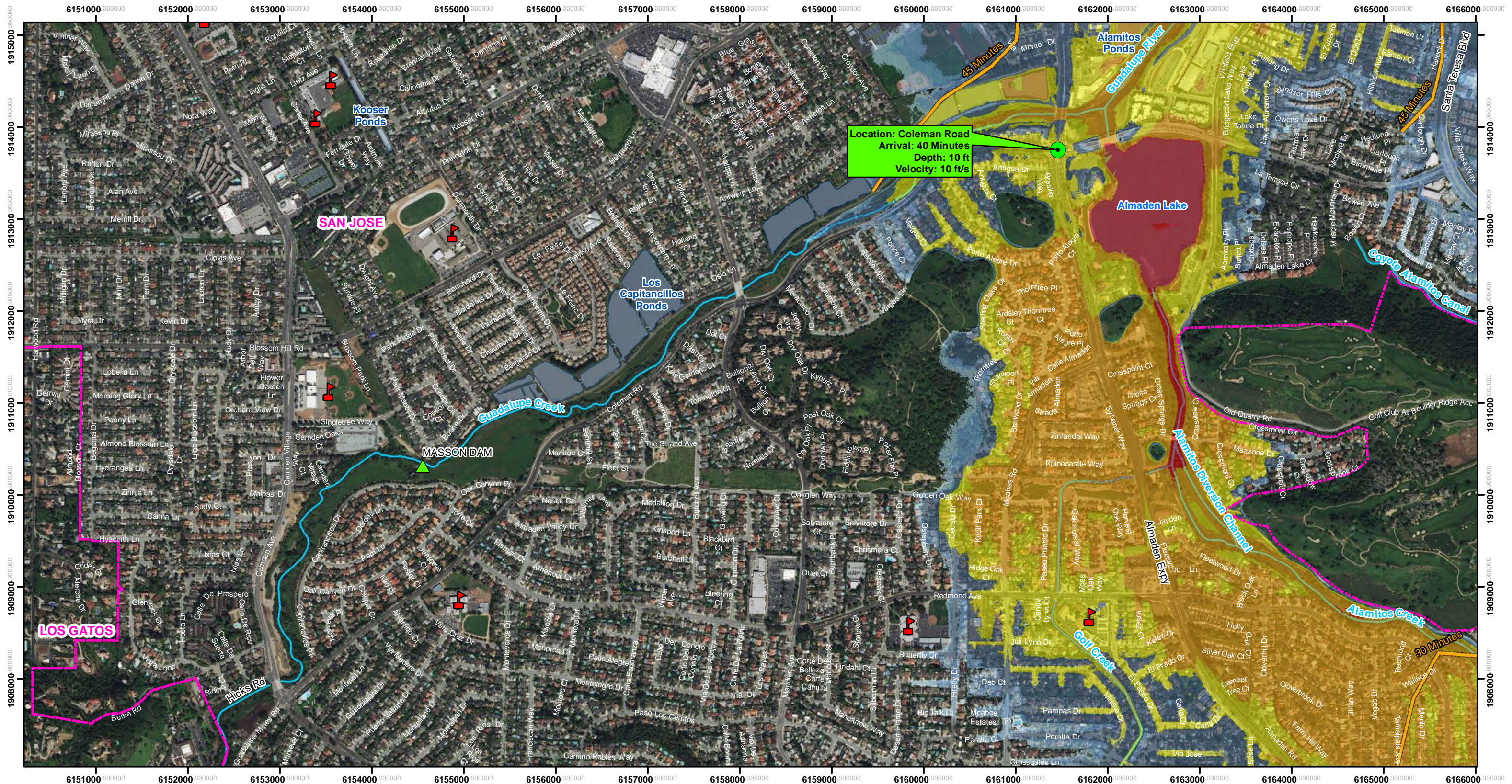
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Vertical Datum: NAVD88, U.S. Feet

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**Legend**

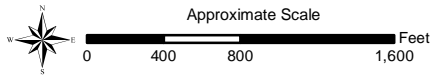
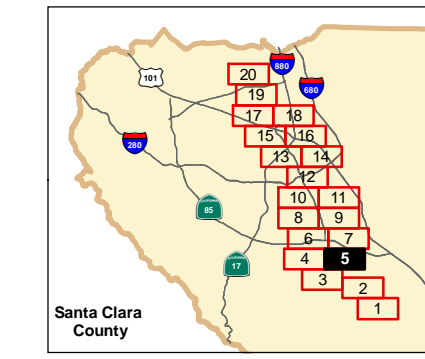
- Maximum Inundation Depth (feet)**
  - <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
- Cities**
- Dams**
- Schools**
- Road Callouts**
- Flood Wave Arrival Time**

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



Inundation Map for the Hypothetical Fair Weather Failure of **Calero Dam and Calero Auxiliary Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 4 of 20**  
 1 in = 1,000 ft  
 Dam Owner: Santa Clara Valley Water District  
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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
- >20
- Flood Wave Arrival Time
- Cities
- Schools
- Fire Stations

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



Inundation Map for the Hypothetical Fair Weather Failure of  
**Calero Dam and Calero Auxiliary Dam**  
Federal Dam ID: CA00294 State Dam ID: 72-009

**Sheet 5 of 20**  
1 in = 1,000 ft

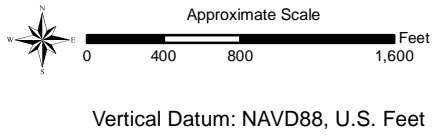
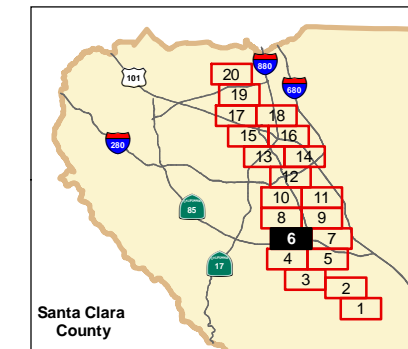
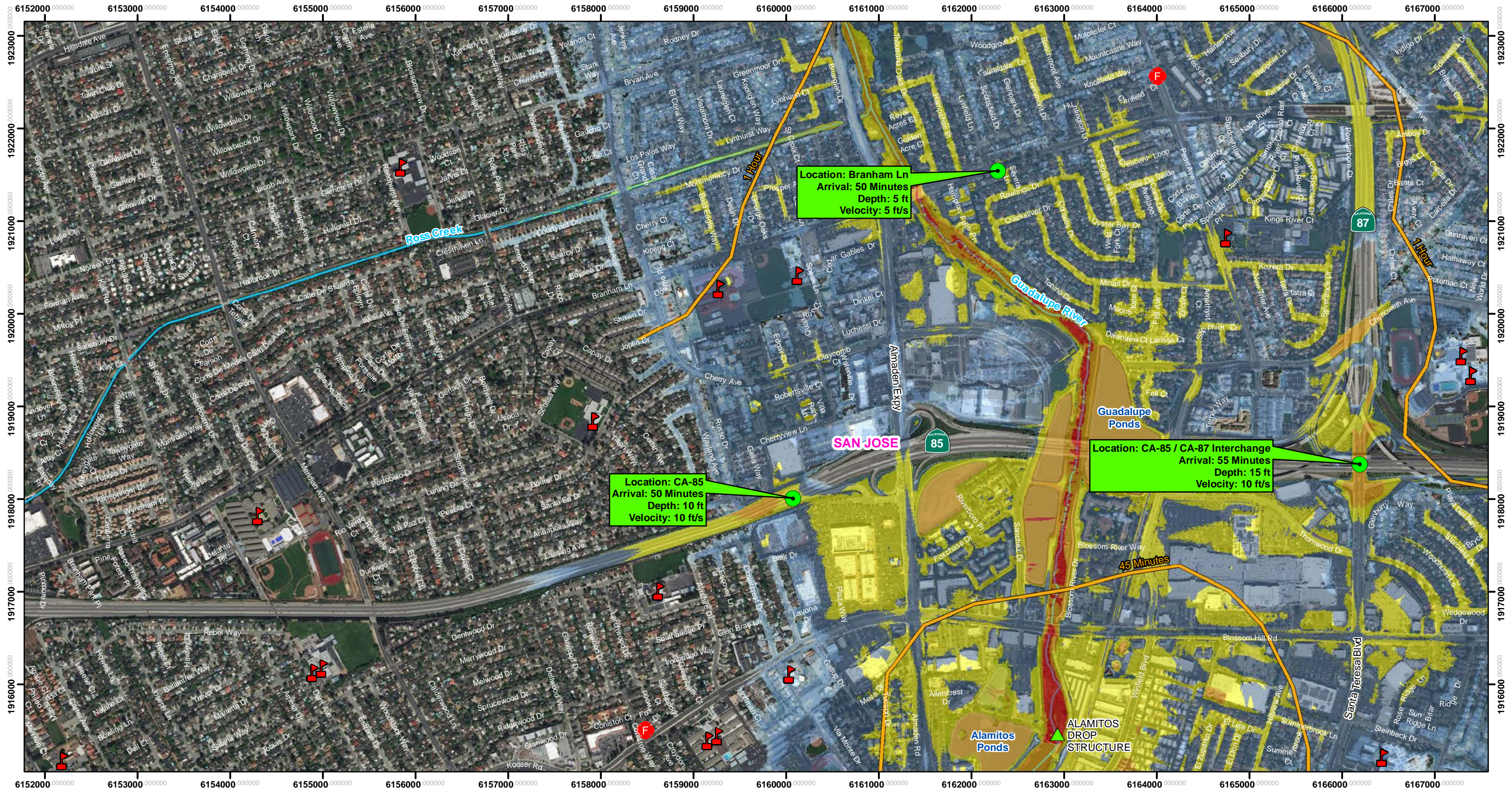
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- Legend**
- |                                 |               |
|---------------------------------|---------------|
| Maximum Inundation Depth (feet) | Cities        |
| <1                              | Dams          |
| 1 to 2                  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

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



Inundation Map for the Hypothetical Fair Weather Failure of **Calero Dam and Calero Auxiliary Dam**

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

**Sheet 6 of 20**

1 in = 1,000 ft

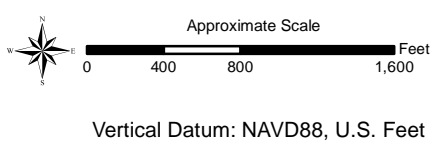
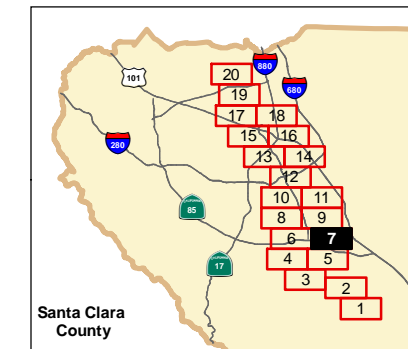
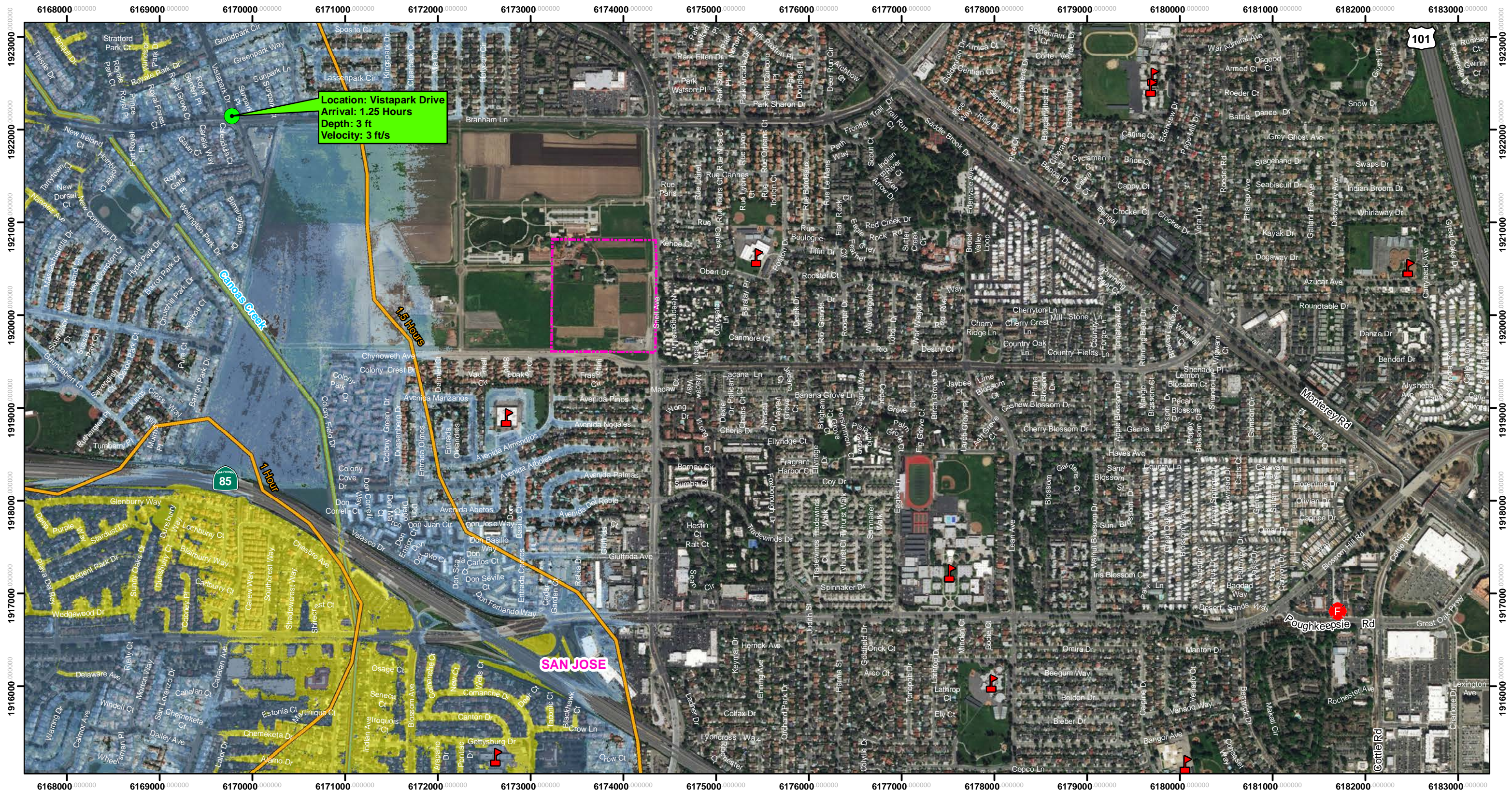
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- Legend**
- <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
  - Flood Wave Arrival Time
  - Cities
  - F Schools
  - F Fire Stations
  - Road Callouts

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



Inundation Map for the Hypothetical Fair Weather Failure of **Calero Dam and Calero Auxiliary Dam**

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

**Sheet 7 of 20**

1 in = 1,000 ft

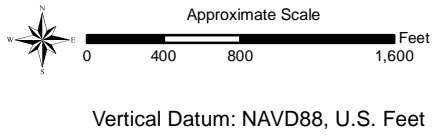
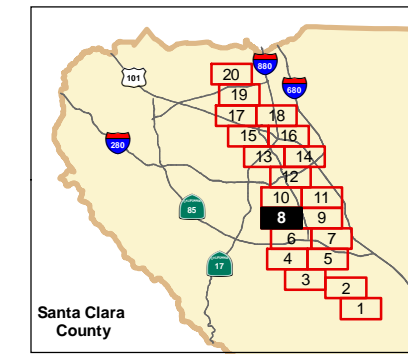
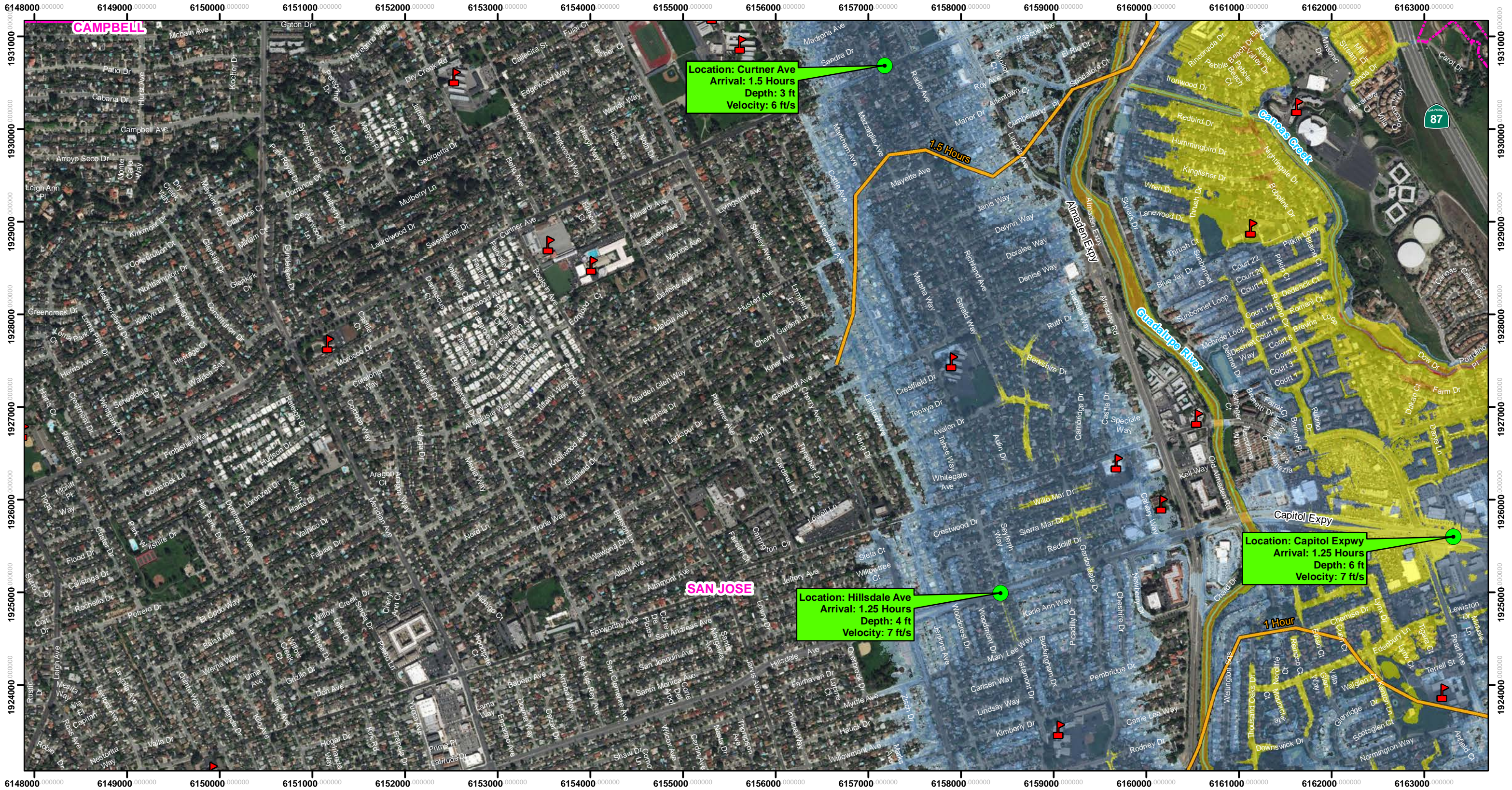
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- Legend**
- <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
  - Flood Wave Arrival Time
  - Cities
  - Schools
  - Road Callouts

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



Inundation Map for the Hypothetical Fair Weather Failure of  
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Federal Dam ID: CA00294 State Dam ID: 72-009

**Sheet 8 of 20**  
1 in = 1,000 ft

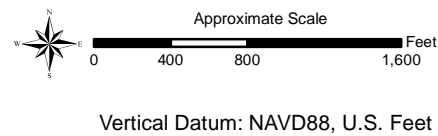
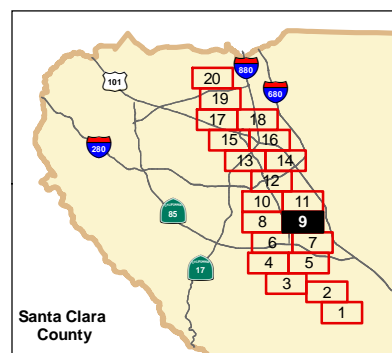
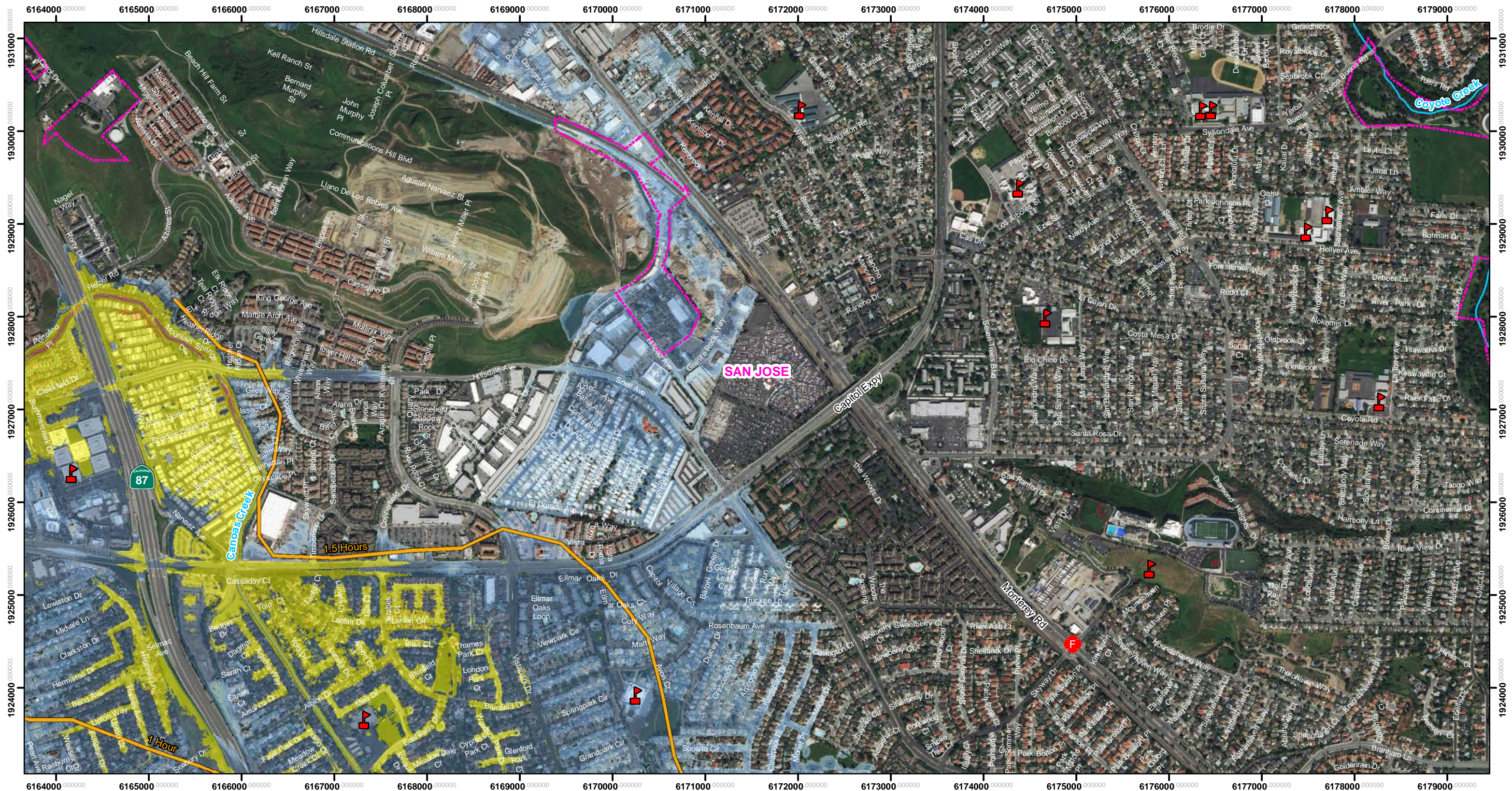
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**Legend**

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

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



Inundation Map for the Hypothetical Fair Weather Failure of  
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**Sheet 9 of 20**  
1 in = 1,000 ft

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Santa Clara Valley Water District  
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San Jose CA 95118

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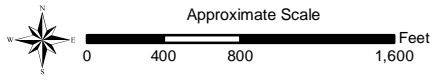
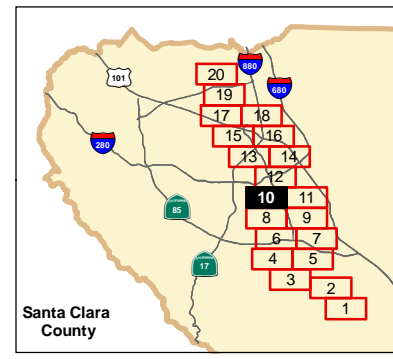
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**Location: CA-87**  
**Arrival: 1.75 Hours**  
**Depth: 6 ft**  
**Velocity: 6 ft/s**

**Location: Curtner Ave**  
**Arrival: 1.5 Hours**  
**Depth: 9 ft**  
**Velocity: 10 ft/s**



Vertical Datum: NAVD88, U.S. Feet

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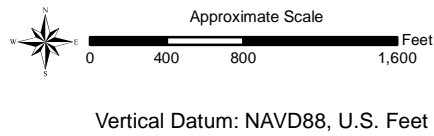
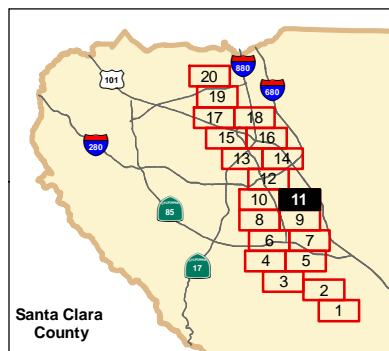
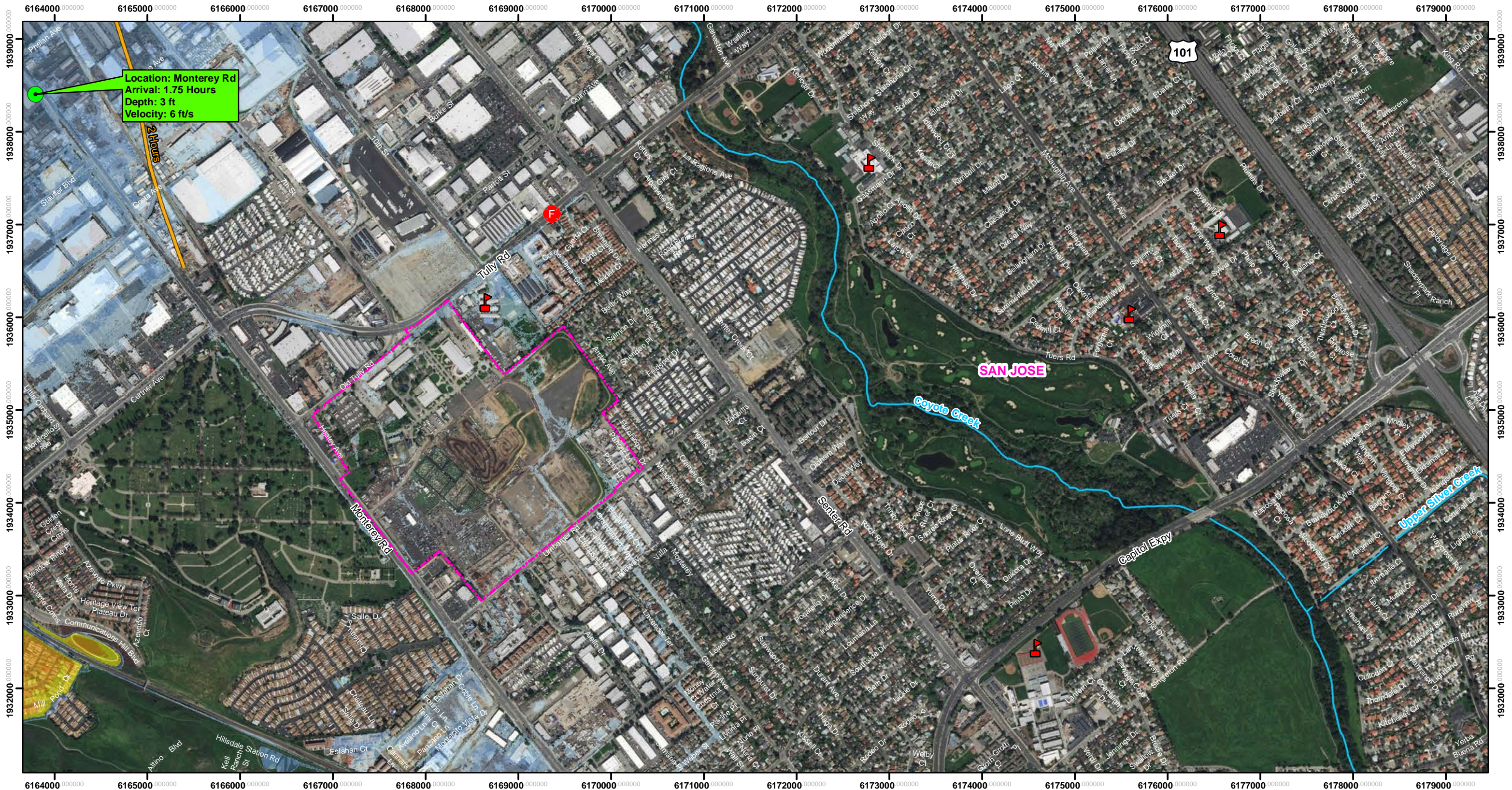
- Legend**
- <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
  - Cities
  - Schools
  - Fire Stations
  - Road Callouts
  - Flood Wave Arrival Time

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Inundation Map for the Hypothetical Fair Weather Failure of **Calero Dam and Calero Auxiliary Dam**  
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**Sheet 10 of 20**  
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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

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



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Hypothetical Fair Weather Failure of  
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Federal Dam ID: CA00294 State Dam ID: 72-009

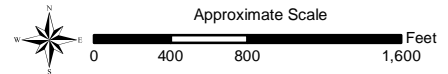
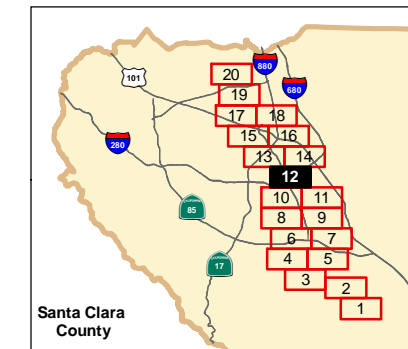
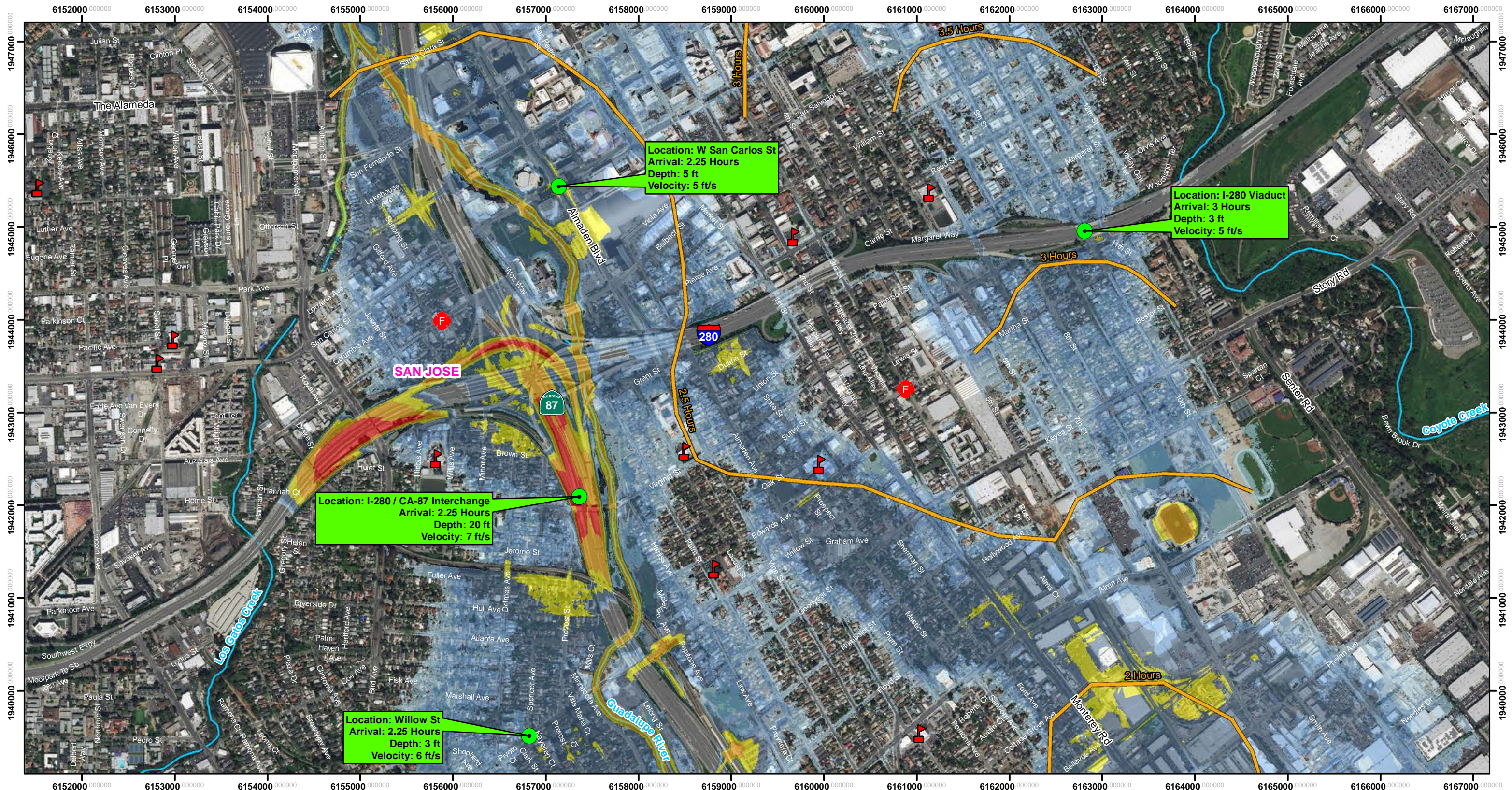
**Sheet 11 of 20**  
1 in = 1,000 ft

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Vertical Datum: NAVD88, U.S. Feet

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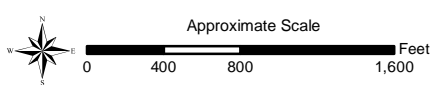
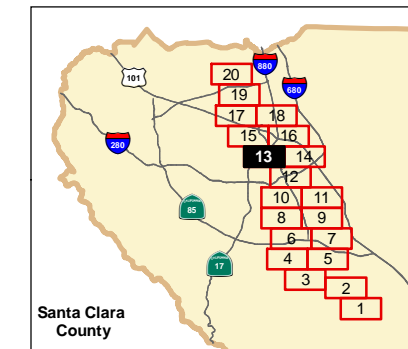
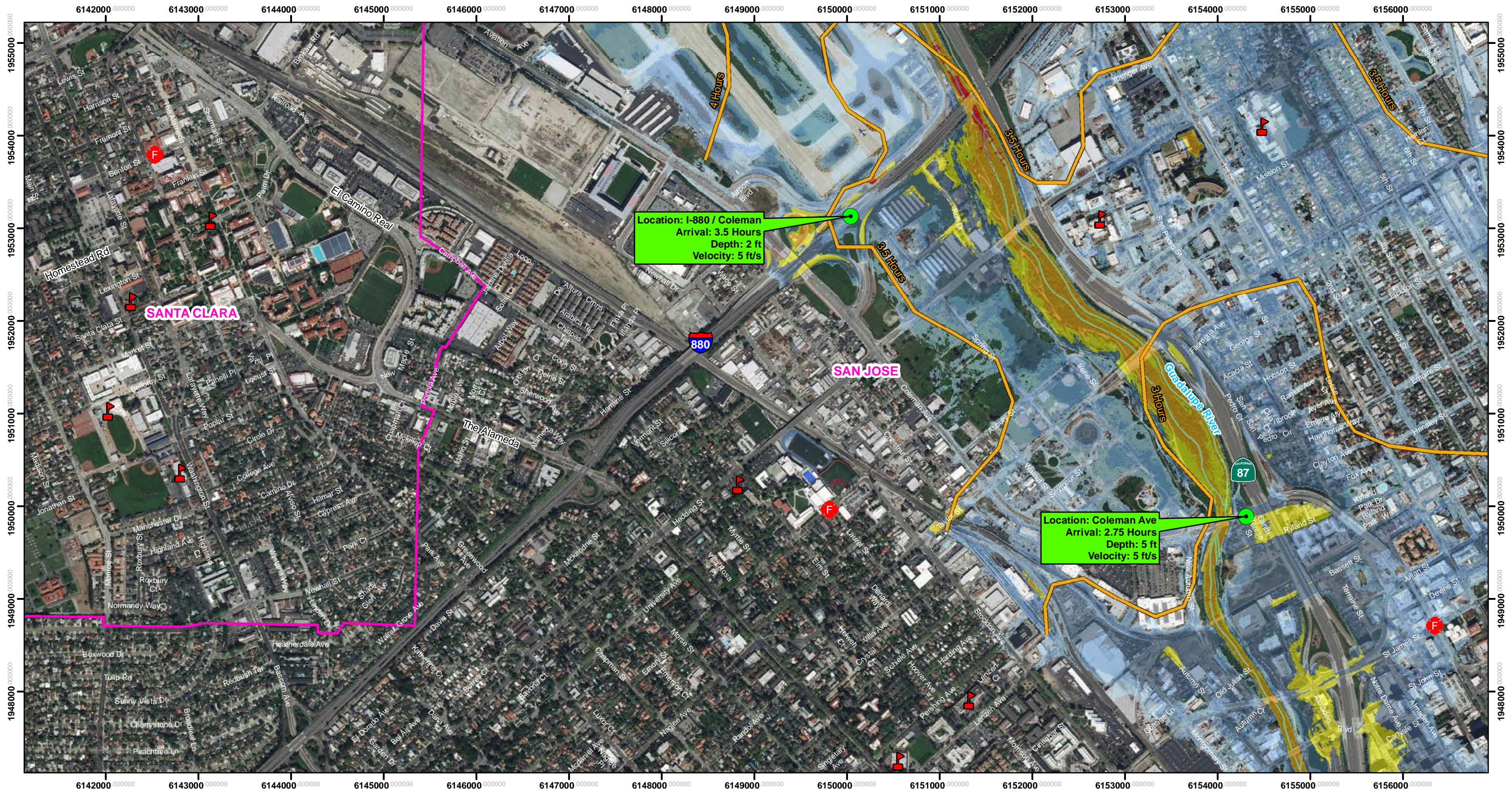
- Maximum Inundation Depth (feet)**
  - <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
- Flood Wave Arrival Time**
- Cities
- Schools
- Fire Stations
- Road Callouts

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**Sheet 12 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
  - Road Callouts
  - Flood Wave Arrival Time

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



Inundation Map for the Hypothetical Fair Weather Failure of **Calero Dam and Calero Auxiliary Dam**

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

**Sheet 13 of 20**

1 in = 1,000 ft

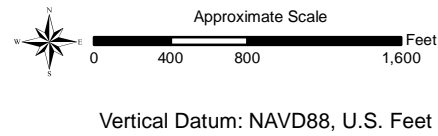
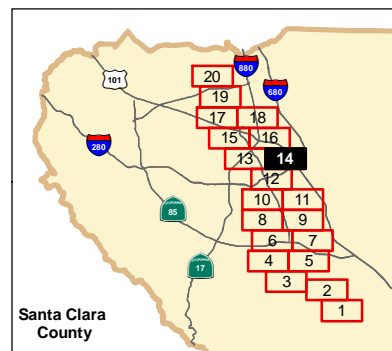
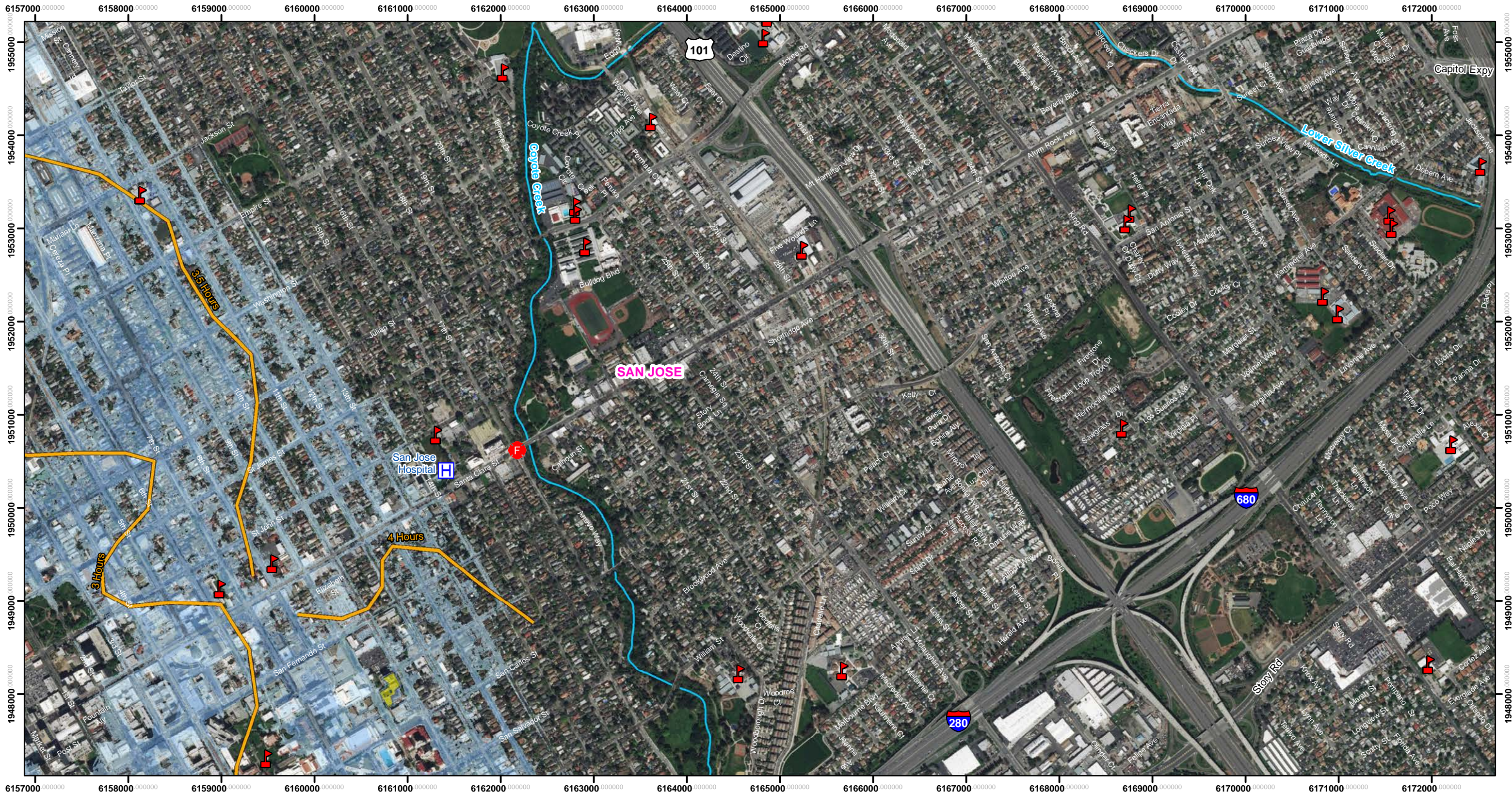
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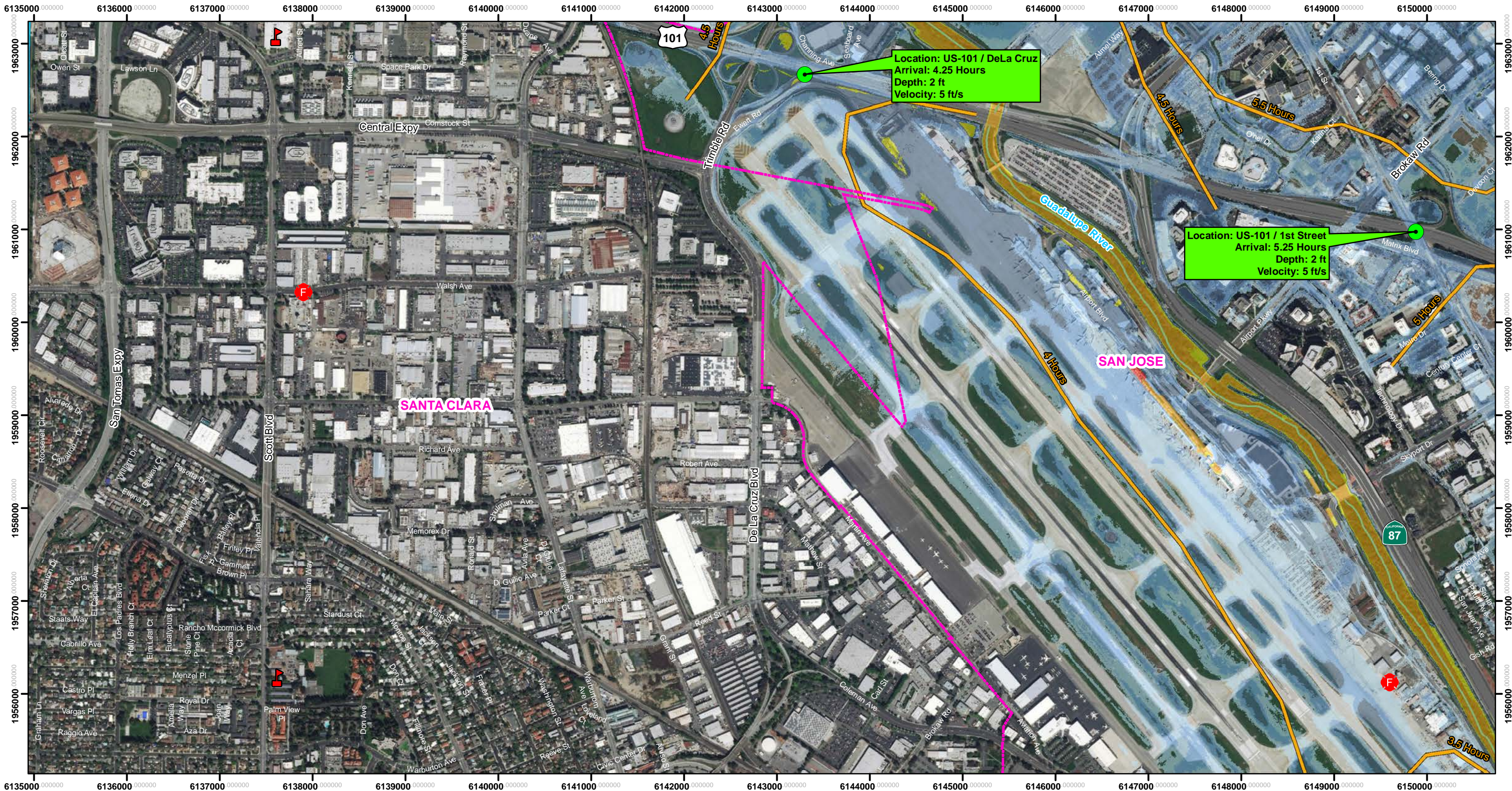
- Maximum Inundation Depth (feet)**
  - <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
- Cities
- Schools
- Hospitals
- Fire Stations
- Flood Wave Arrival Time

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



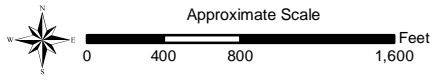
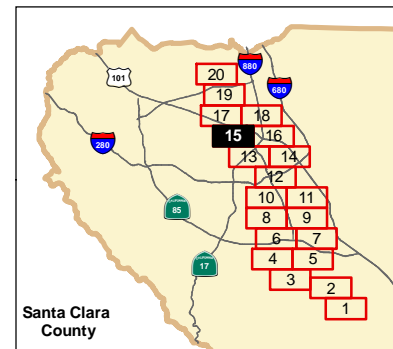
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 Federal Dam ID: CA00294 State Dam ID: 72-009  
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**Location: US-101 / DeLa Cruz**  
 Arrival: 4.25 Hours  
 Depth: 2 ft  
 Velocity: 5 ft/s

**Location: US-101 / 1st Street**  
 Arrival: 5.25 Hours  
 Depth: 2 ft  
 Velocity: 5 ft/s



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 failure of both the main dam and auxiliary dam at the highest calculated reservoir elevation due to a probable maximum flood



Inundation Map for the Hypothetical Fair Weather Failure of  
**Calero Dam and Calero Auxiliary Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009

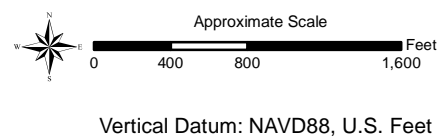
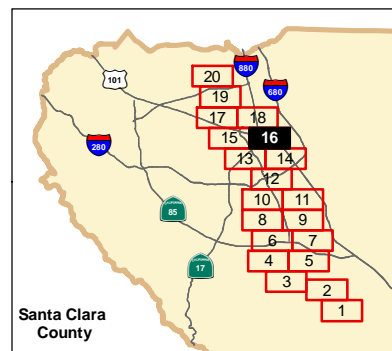
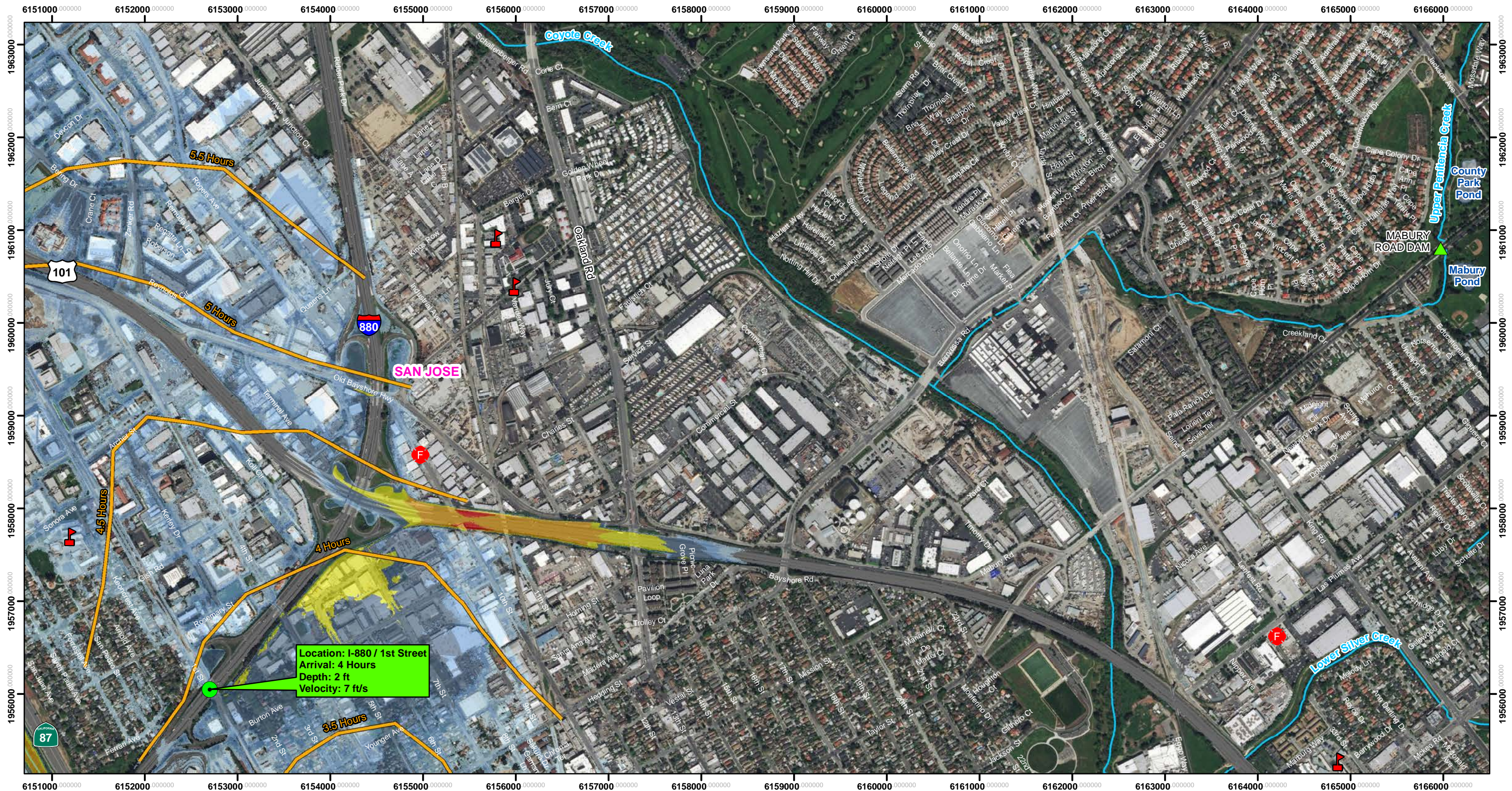
**Sheet 15 of 20**  
 1 in = 1,000 ft

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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**Legend**

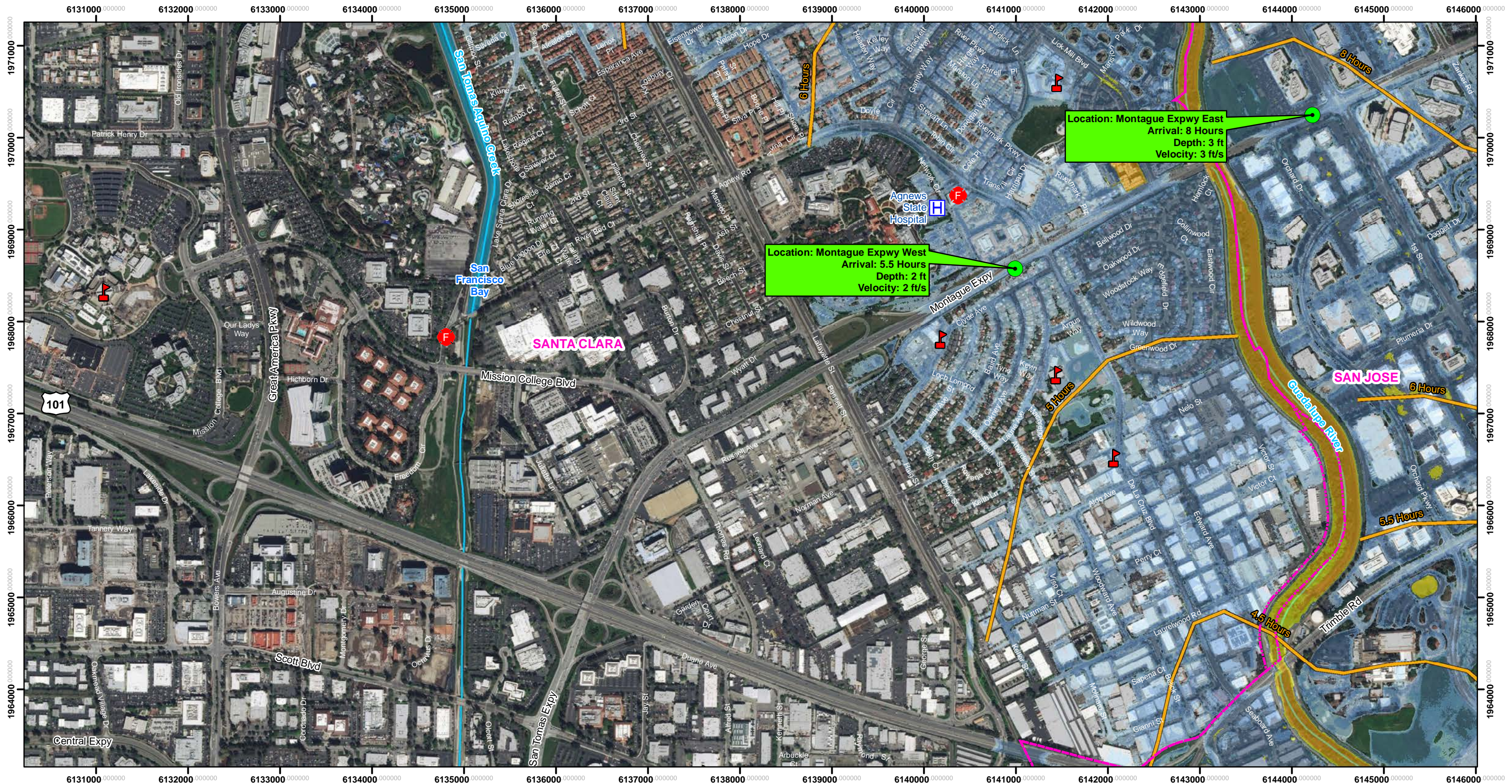
- |                         |               |
|-------------------------|---------------|
| <1                      | Cities        |
| 1 to 2                  | Dams          |
| 2 to 5                  | Schools       |
| 5 to 10                 | Fire Stations |
| 10 to 20                | Road Callouts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

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



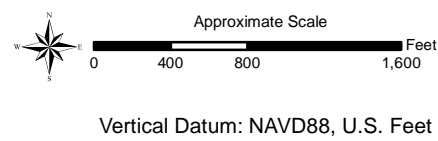
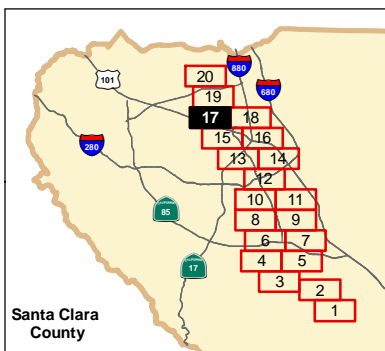
Inundation Map for the Hypothetical Fair Weather Failure of **Calero Dam and Calero Auxiliary Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 16 of 20**  
 1 in = 1,000 ft  
 Dam Owner: Santa Clara Valley Water District  
 5750 Almaden Exp  
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 August 2019  
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**Location: Montague Expy East**  
**Arrival: 8 Hours**  
**Depth: 3 ft**  
**Velocity: 3 ft/s**

**Location: Montague Expy West**  
**Arrival: 5.5 Hours**  
**Depth: 2 ft**  
**Velocity: 2 ft/s**



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**Legend**

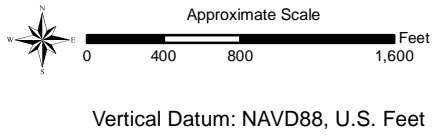
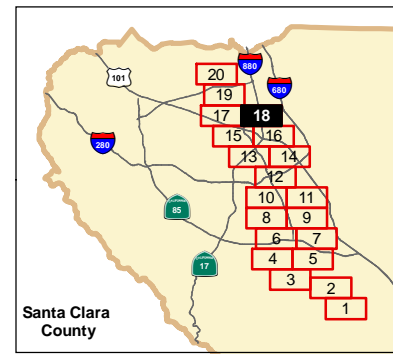
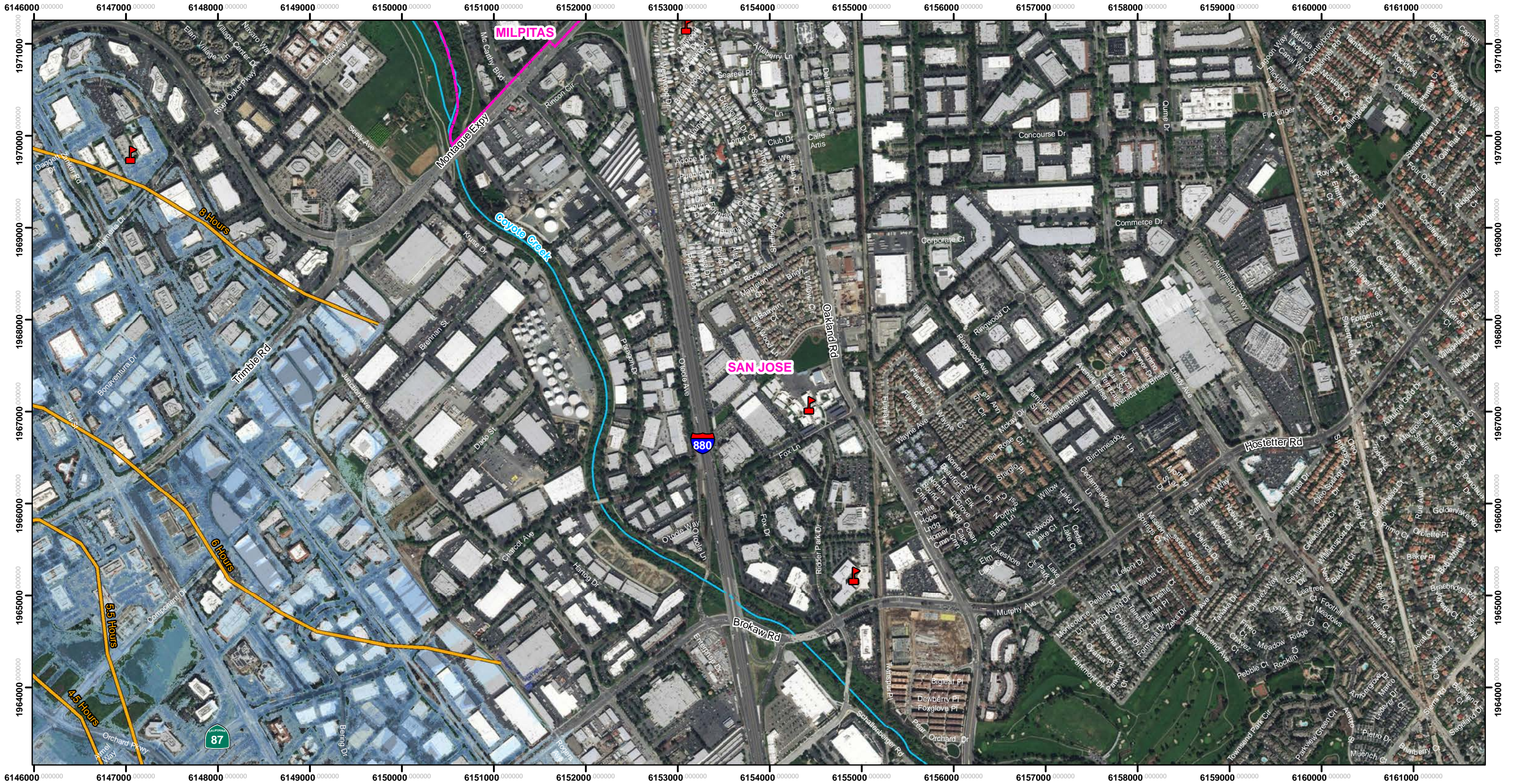
- Maximum Inundation Depth (feet)**
  - <1
  - 1 to 2
  - 2 to 5
  - 5 to 10
  - 10 to 20
  - >20
- Cities
- F Schools
- Hospitals
- F Fire Stations
- Road Callouts
- Flood Wave Arrival Time

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



Inundation Map for the Hypothetical Fair Weather Failure of **Calero Dam and Calero Auxiliary Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 17 of 20**  
 1 in = 1,000 ft  
 Dam Owner: Santa Clara Valley Water District  
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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
  - Cities
  - Schools
  - Flood Wave Arrival Time

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



Inundation Map for the Hypothetical Fair Weather Failure of Calero Dam and Calero Auxiliary Dam

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

**Sheet 18 of 20**

1 in = 1,000 ft

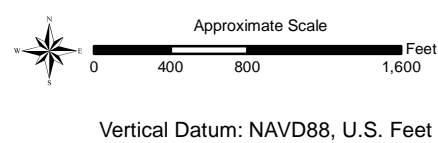
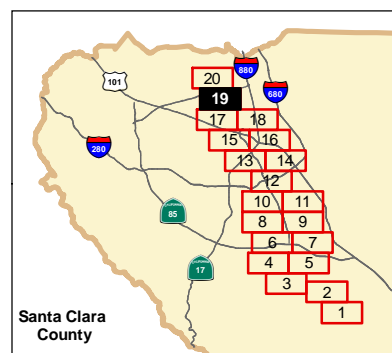
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### Legend

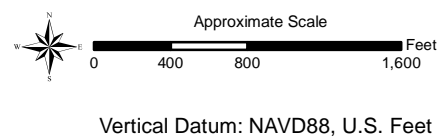
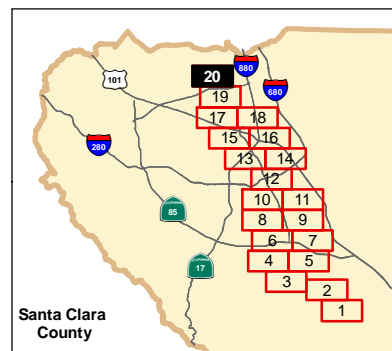
- |  |  |
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|  |  |

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



Inundation Map for the Hypothetical Fair Weather Failure of **Calero Dam and Calero Auxiliary Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009  
**Sheet 19 of 20**  
 1 in = 1,000 ft  
 Dam Owner: Santa Clara Valley Water District  
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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
- Fire Stations

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



Inundation Map for the Hypothetical Fair Weather Failure of  
**Calero Dam and Calero Auxiliary Dam**  
 Federal Dam ID: CA00294 State Dam ID: 72-009

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

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