

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**
- | | |
|--|---|
| <ul style="list-style-type: none"> <1 1 to 2 2 to 5 5 to 10 10 to 20 >20 | <ul style="list-style-type: none"> Cities Dams Road Callouts |
|--|---|

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



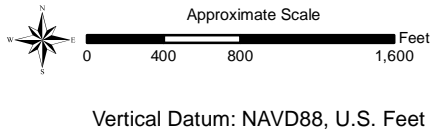
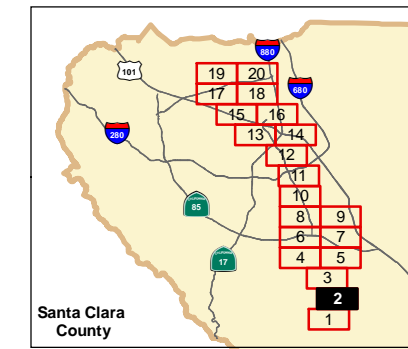
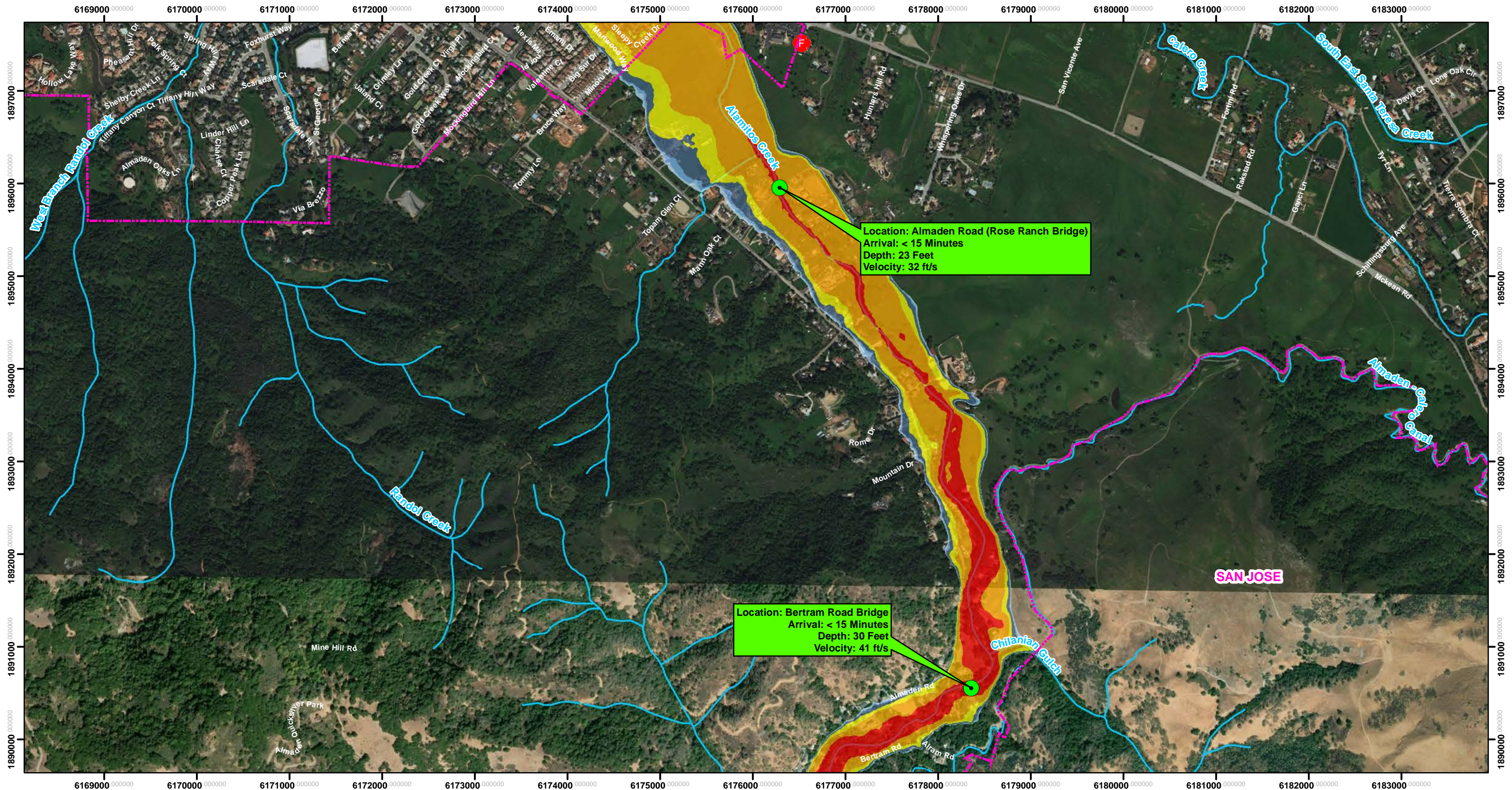
Inundation Map for the Hypothetical Inflow Design Flood Failure of **Almaden Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009

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
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- Cities**
- Fire Stations**
- Road Callouts**

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

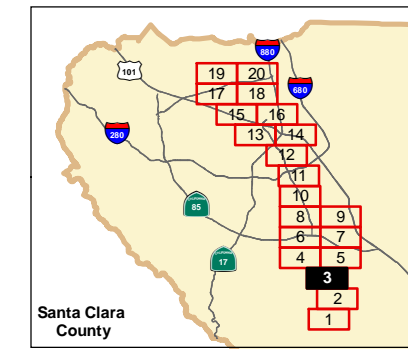
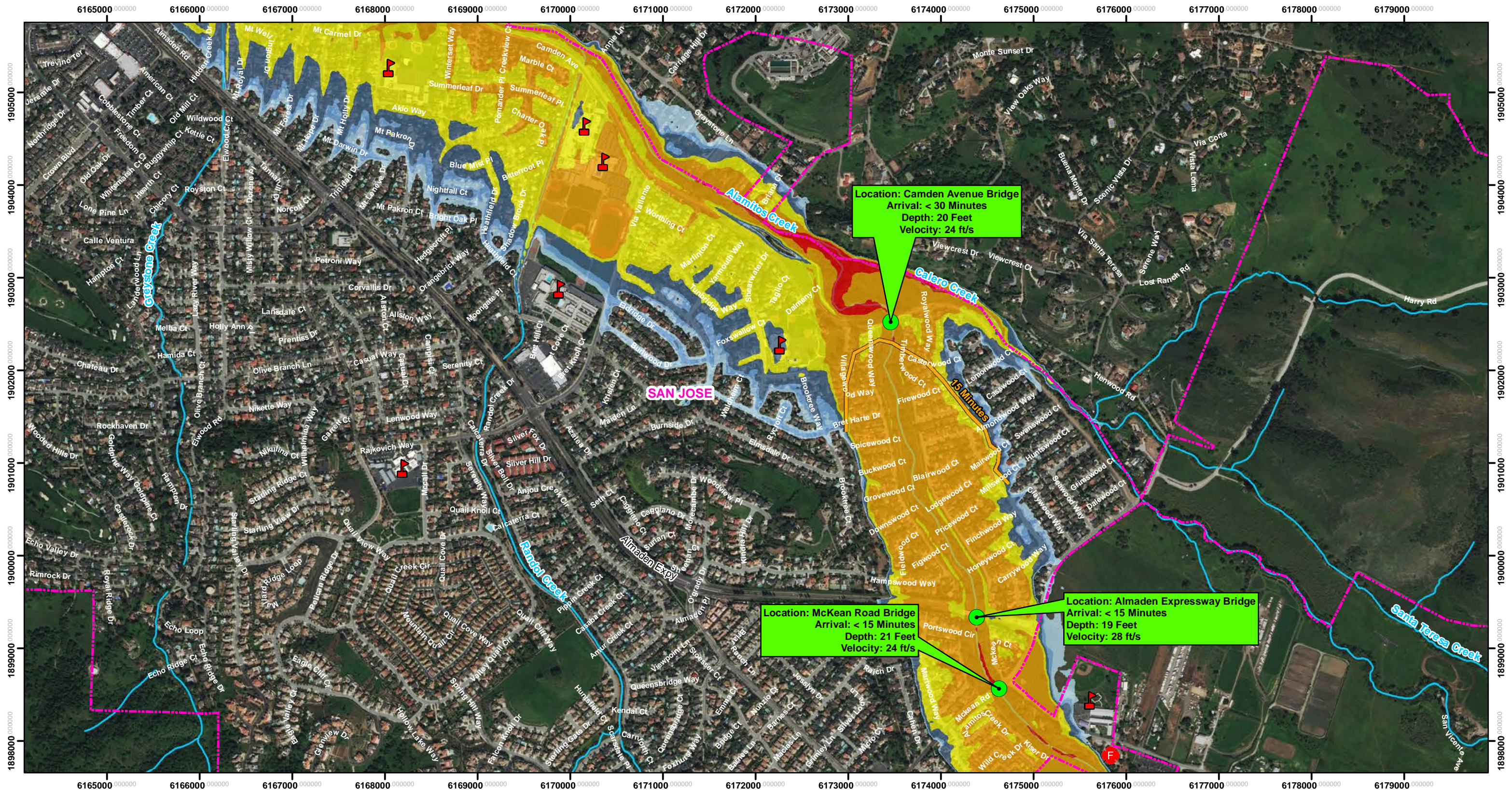
Sheet 2 of 20
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Approximate Scale
 0 400 800 1,600 Feet

Vertical Datum: NAVD88, U.S. Feet

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

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

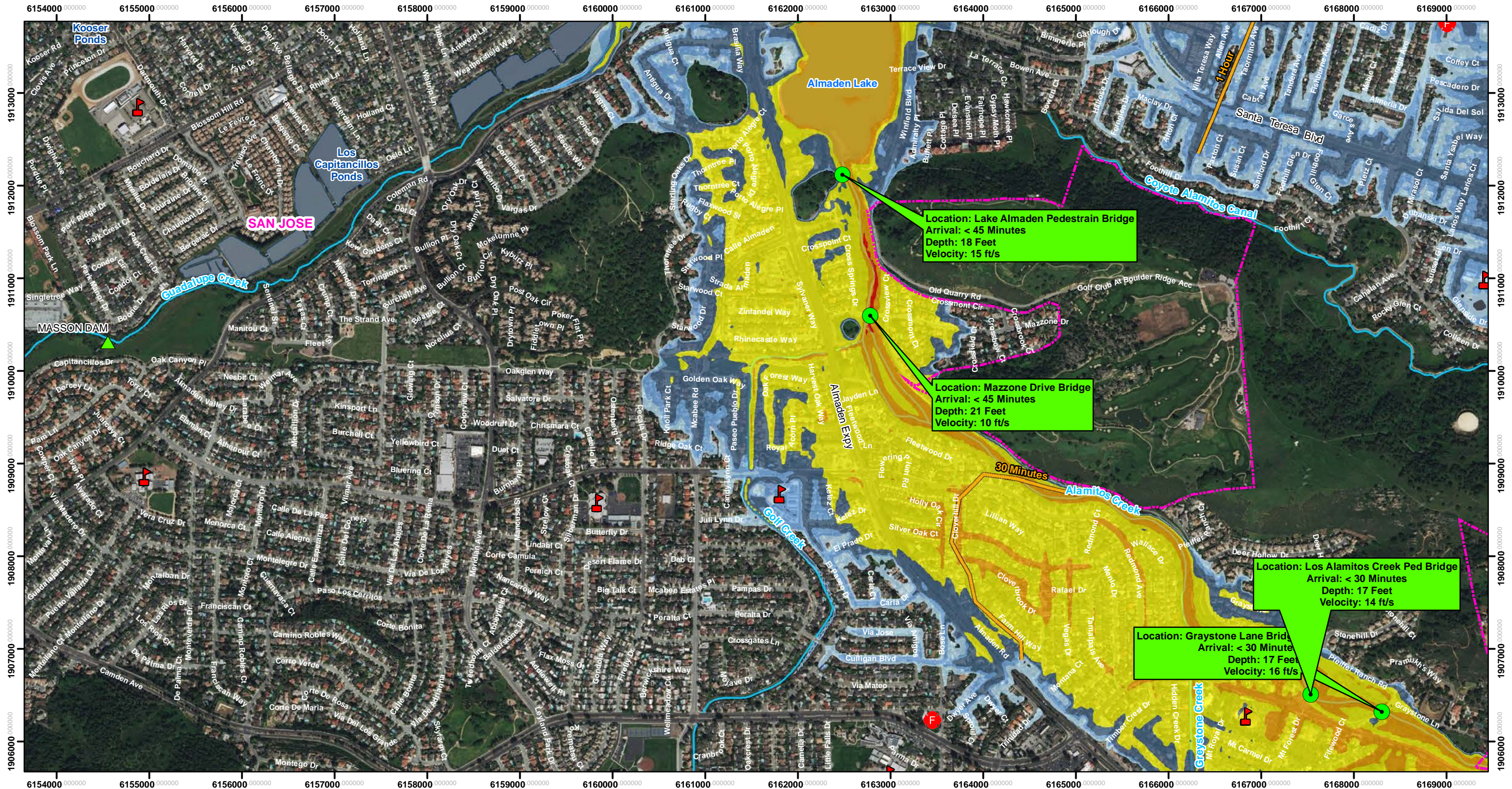
Sheet 3 of 20
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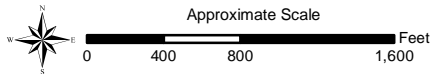
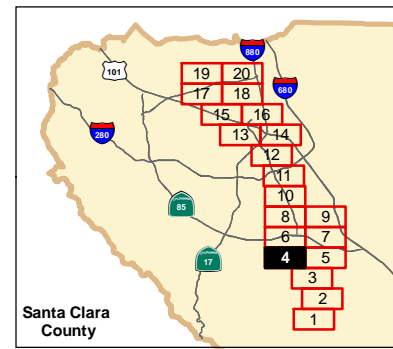


Location: Lake Almaden Pedestrian Bridge
 Arrival: < 45 Minutes
 Depth: 18 Feet
 Velocity: 15 ft/s

Location: Mazzone Drive Bridge
 Arrival: < 45 Minutes
 Depth: 21 Feet
 Velocity: 10 ft/s

Location: Los Alamos Creek Ped Bridge
 Arrival: < 30 Minutes
 Depth: 17 Feet
 Velocity: 14 ft/s

Location: Graystone Lane Bridge
 Arrival: < 30 Minutes
 Depth: 17 Feet
 Velocity: 16 ft/s



Vertical Datum: NAVD88, U.S. Feet

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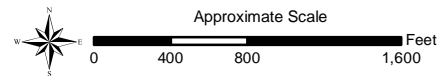
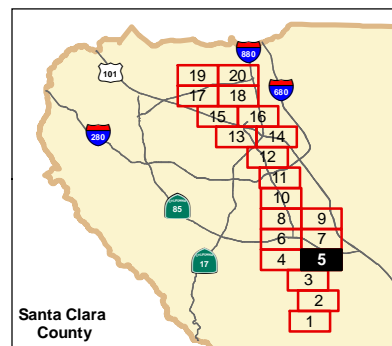
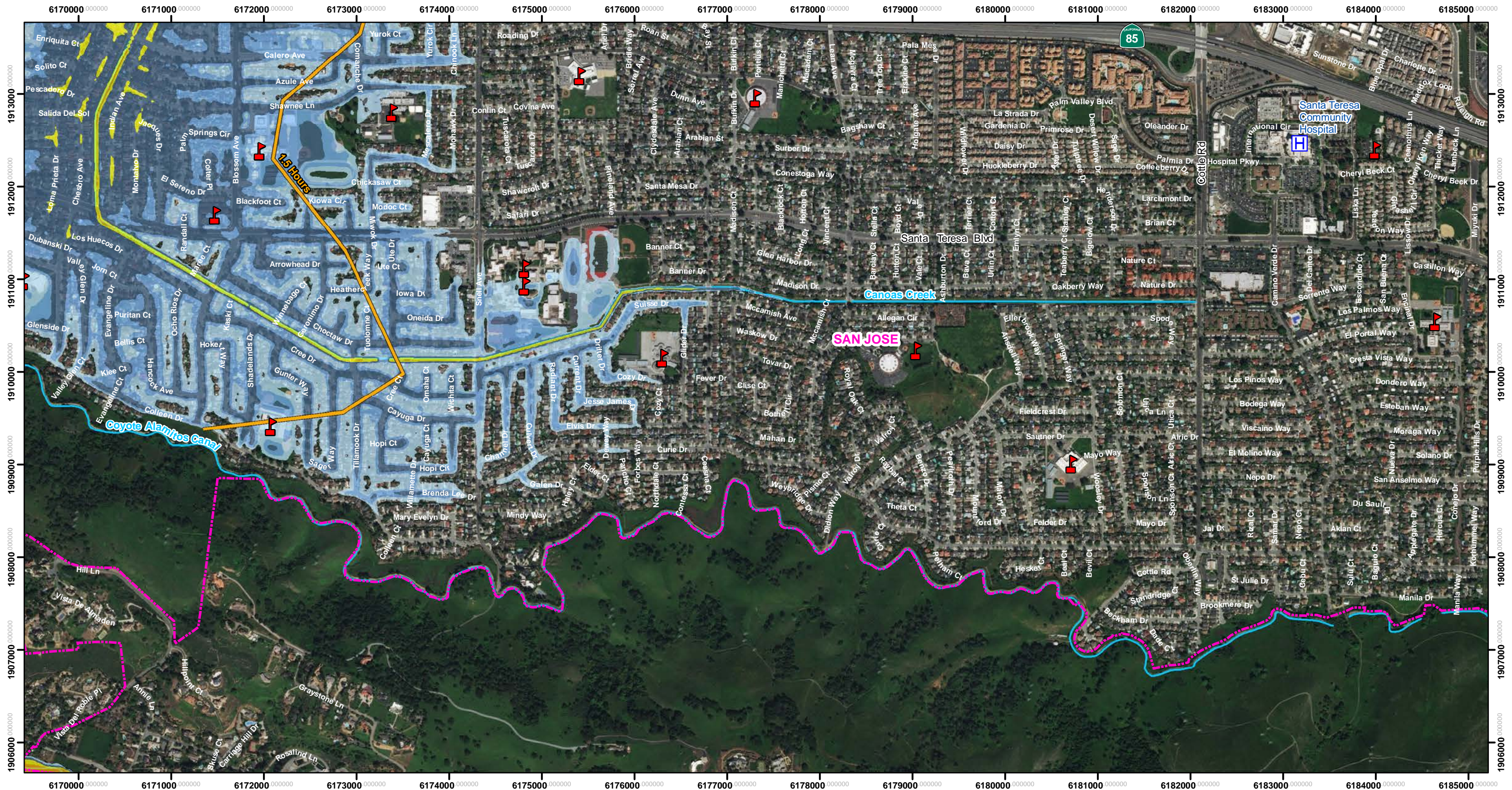
Legend

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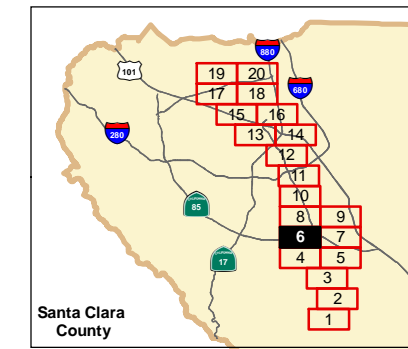
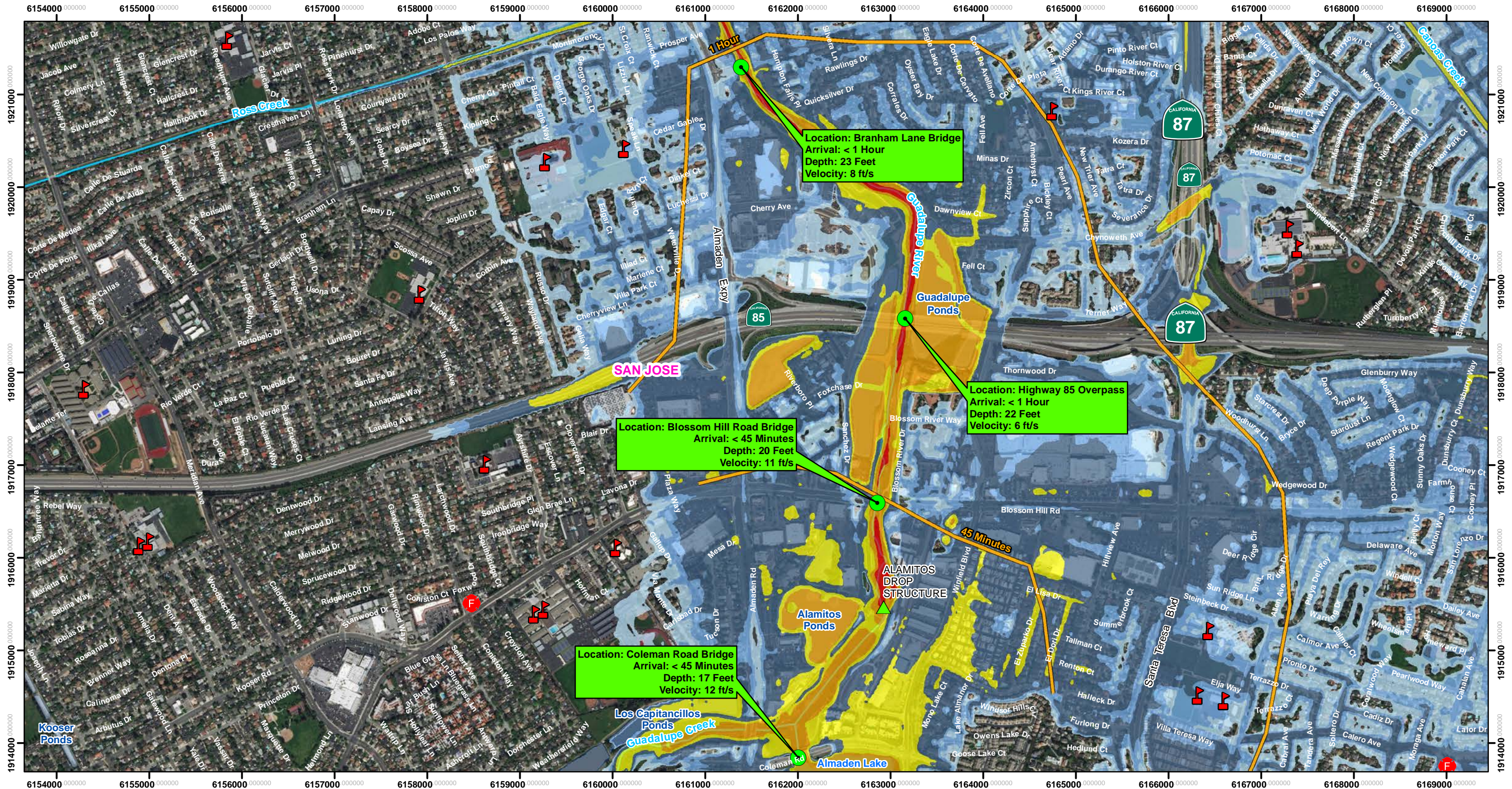
Legend

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

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Inundation Map for the Hypothetical Inflow Design Flood 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
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Approximate Scale
0 400 800 1,600 Feet

Vertical Datum: NAVD88, U.S. Feet

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- <1
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 - >20
- Other Symbols:**
- Cities
 - Dams
 - 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 **Almaden Dam**

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

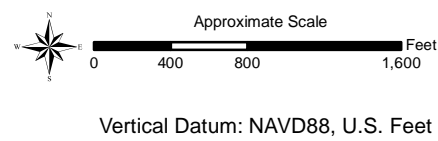
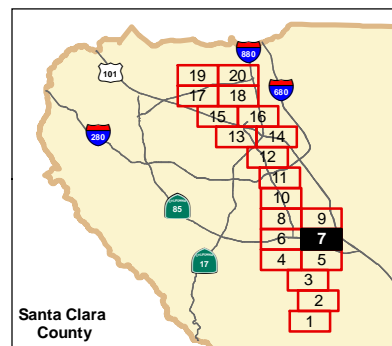
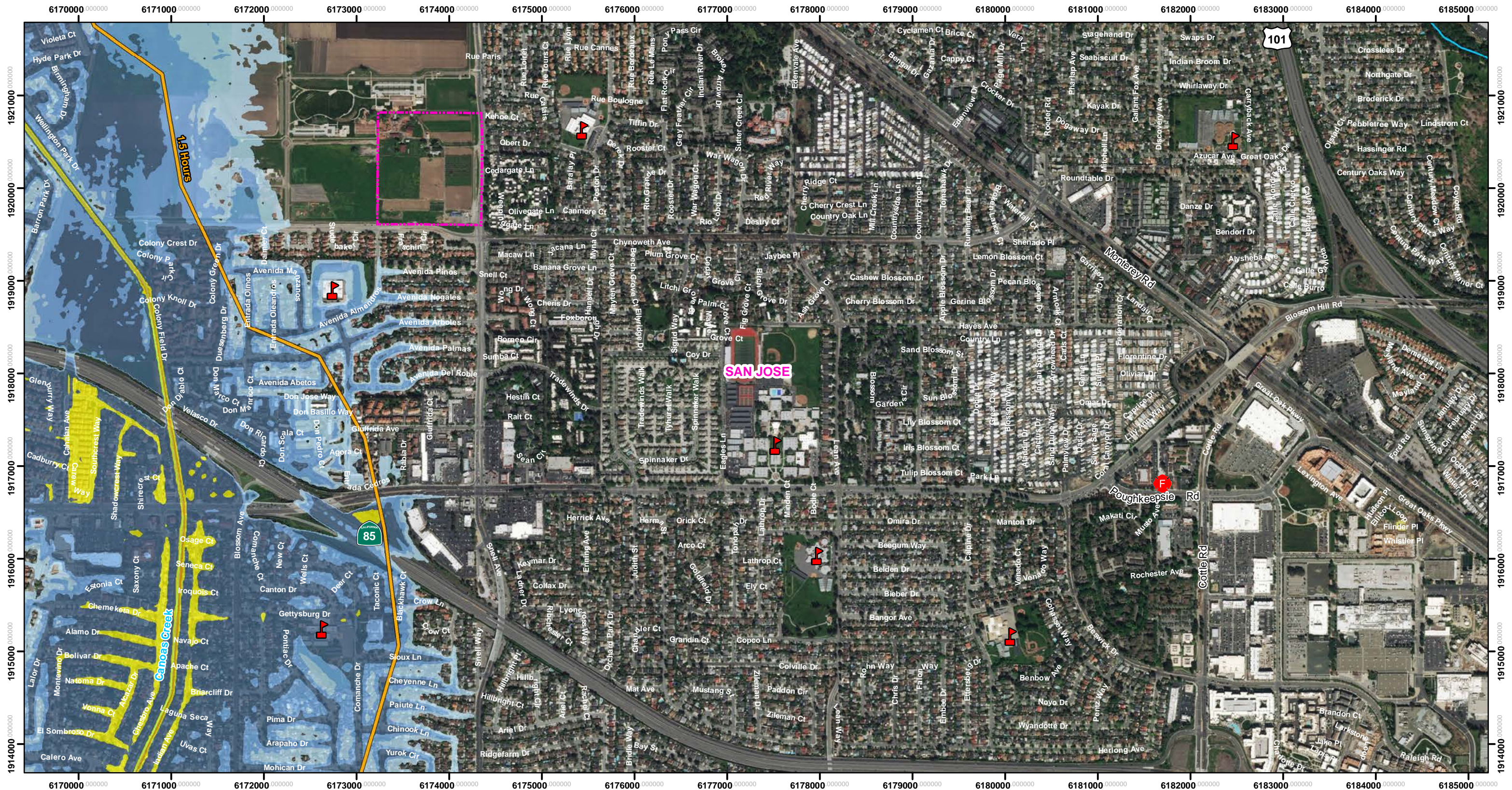
Sheet 6 of 20
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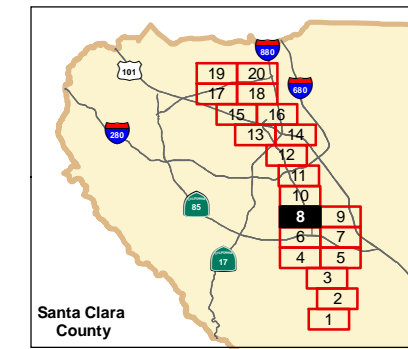
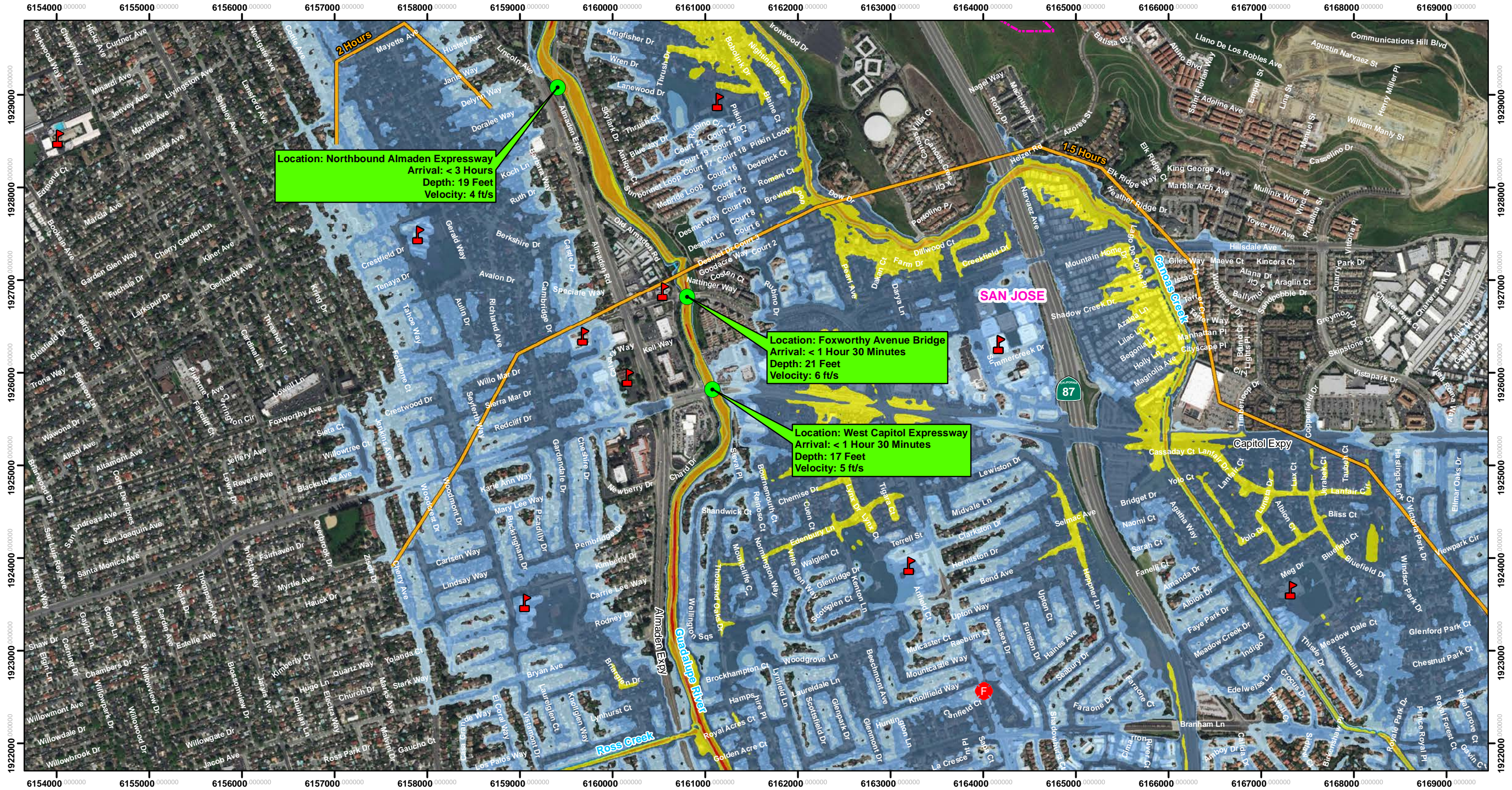
Legend

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- <1
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- Flood Wave Arrival Time
- Cities
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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 **Almaden Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 7 of 20
 1 in = 1,000 ft
 Dam Owner: Santa Clara Valley Water District
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Approximate Scale
 0 400 800 1,600 Feet

Vertical Datum: NAVD88, U.S. Feet

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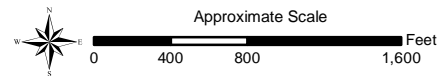
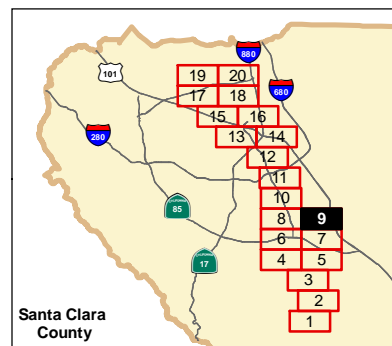
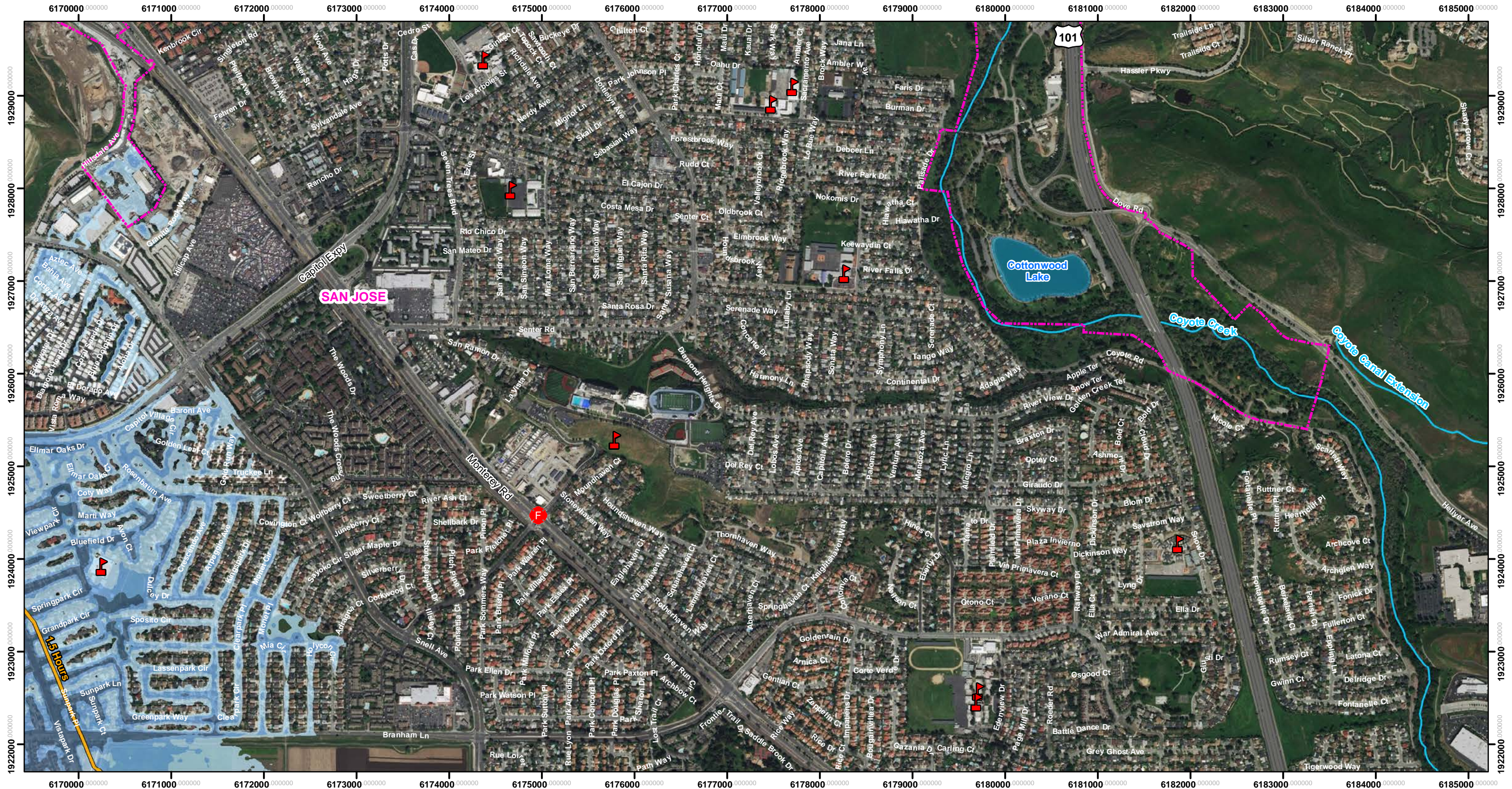
Sheet 8 of 20
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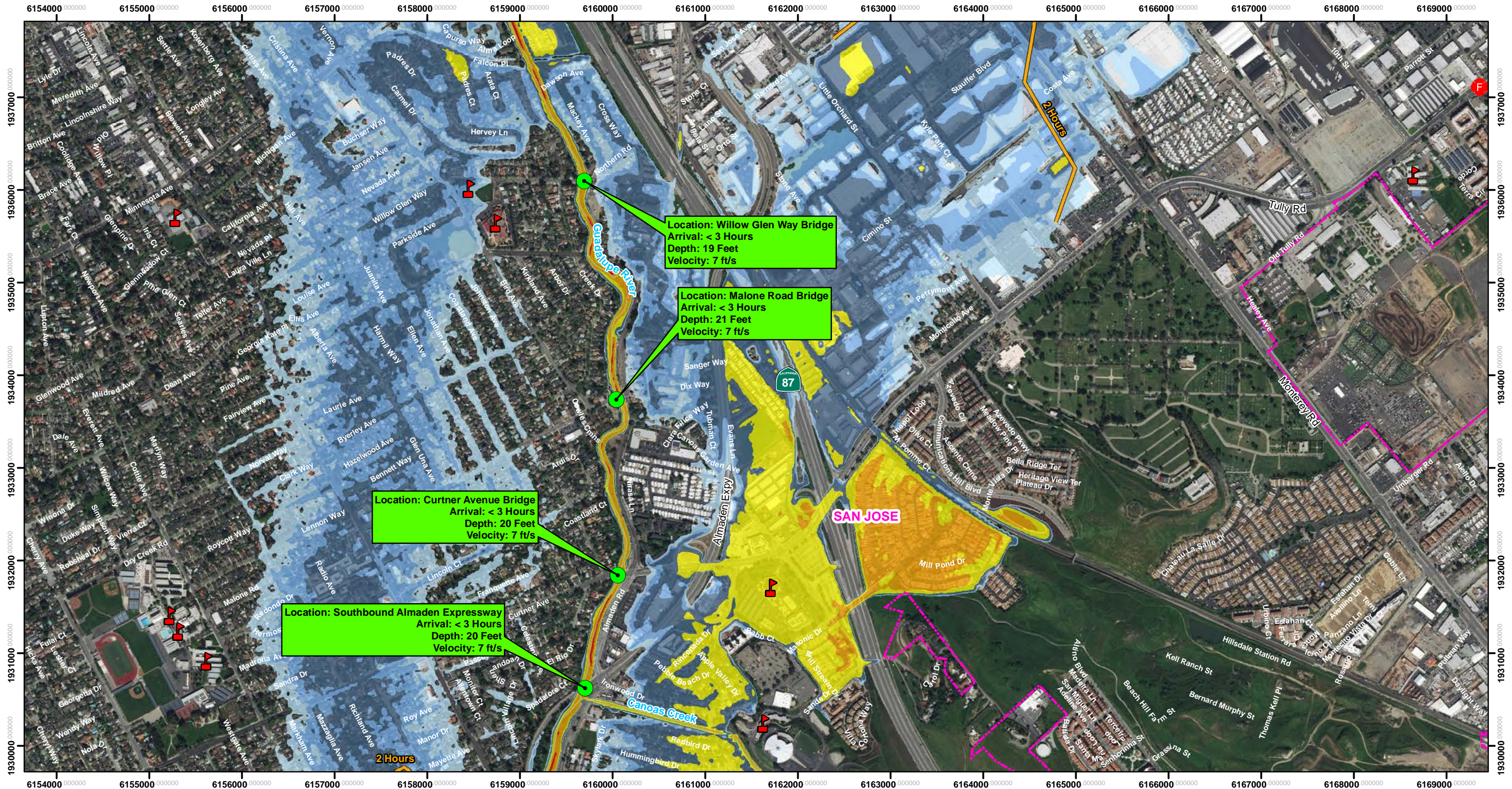
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Inundation Map for the Hypothetical Inflow Design Flood Failure of **Almaden Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009
Sheet 9 of 20
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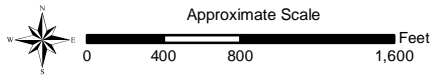
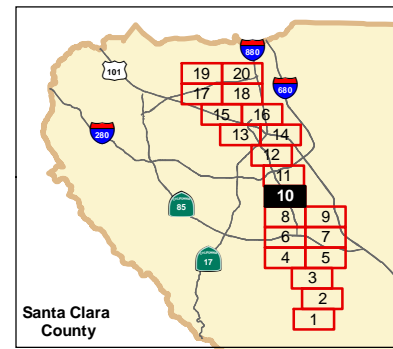


Location: Willow Glen Way Bridge
 Arrival: < 3 Hours
 Depth: 19 Feet
 Velocity: 7 ft/s

Location: Malone Road Bridge
 Arrival: < 3 Hours
 Depth: 21 Feet
 Velocity: 7 ft/s

Location: Curtner Avenue Bridge
 Arrival: < 3 Hours
 Depth: 20 Feet
 Velocity: 7 ft/s

Location: Southbound Almaden Expressway
 Arrival: < 3 Hours
 Depth: 20 Feet
 Velocity: 7 ft/s



Vertical Datum: NAVD88, U.S. Feet

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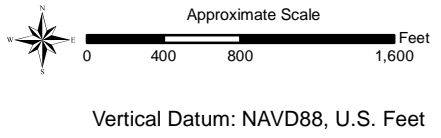
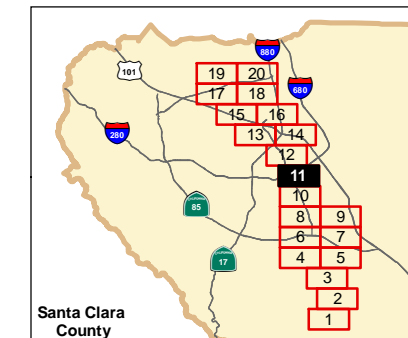
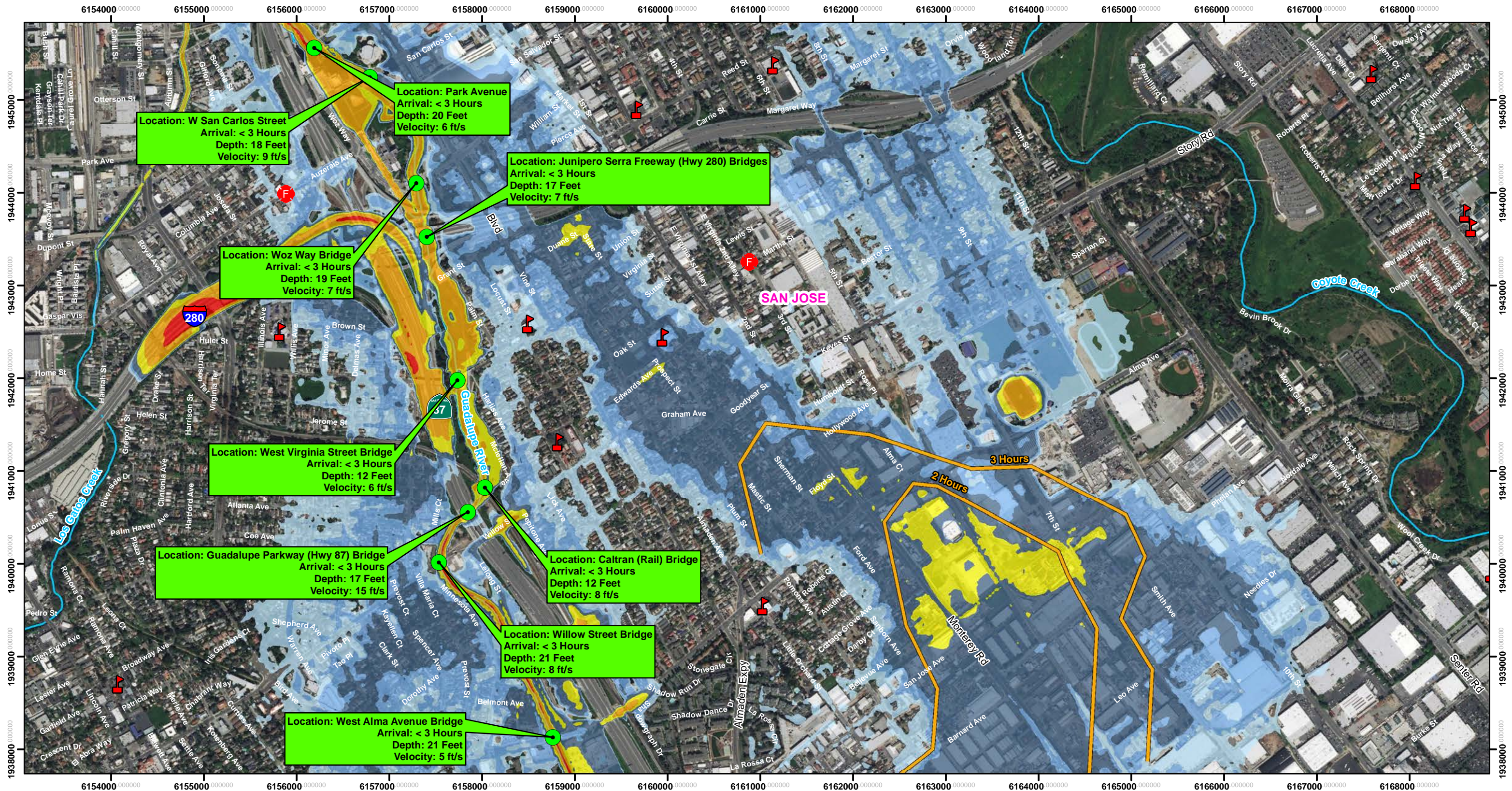
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- Flood Wave Arrival Time**

- Cities
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- Fire Stations
- 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 **Almaden Dam**
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Sheet 10 of 20
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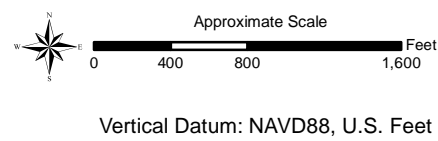
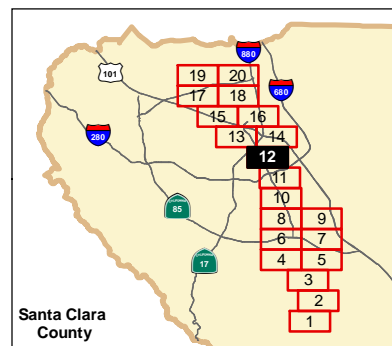
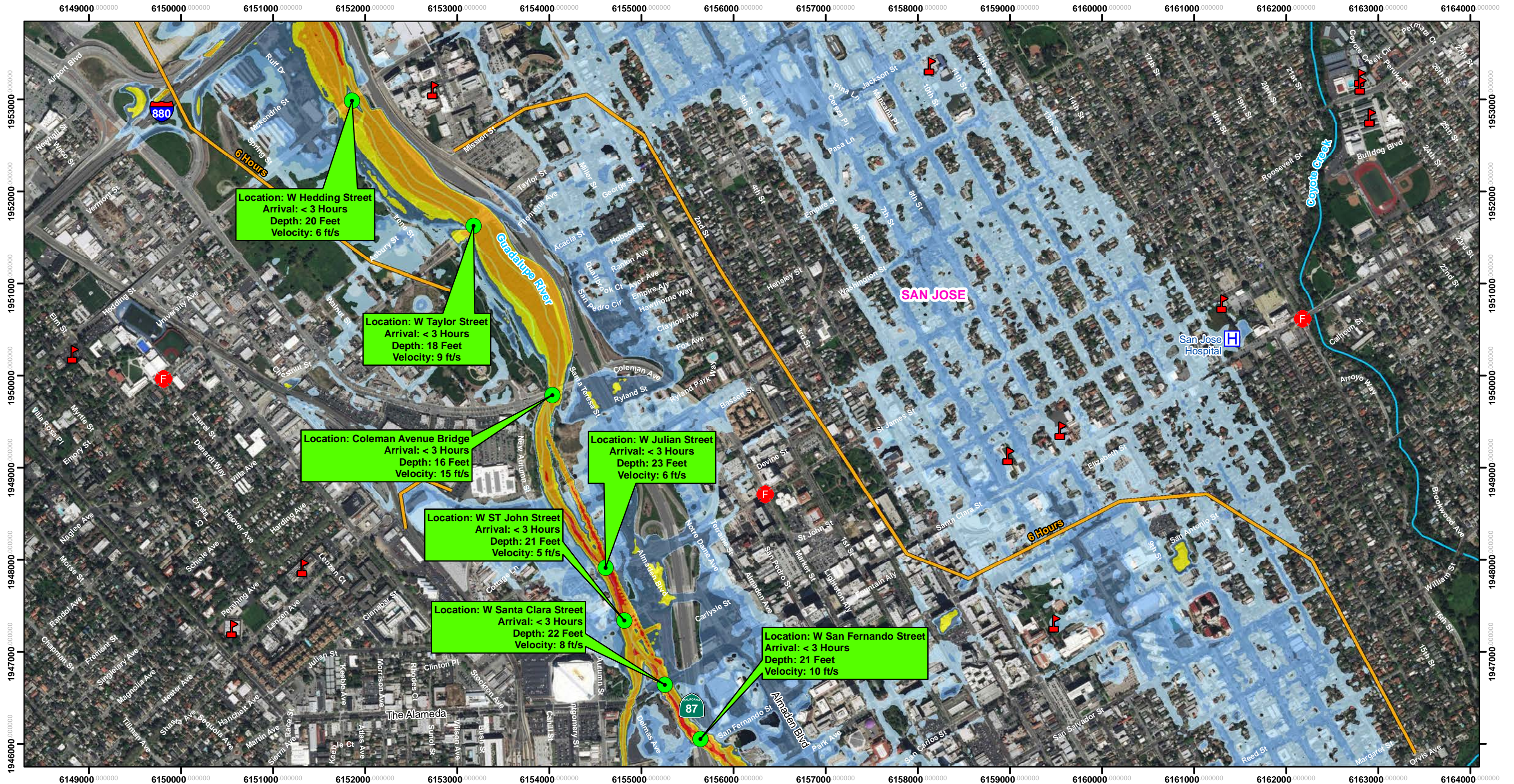
Sheet 11 of 20
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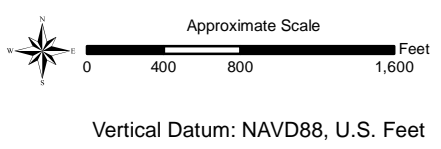
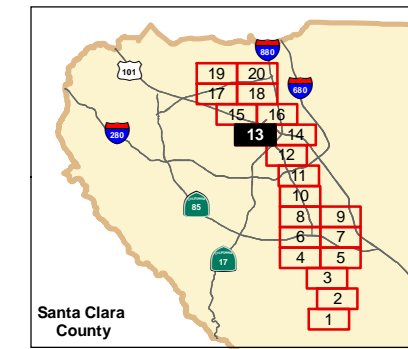
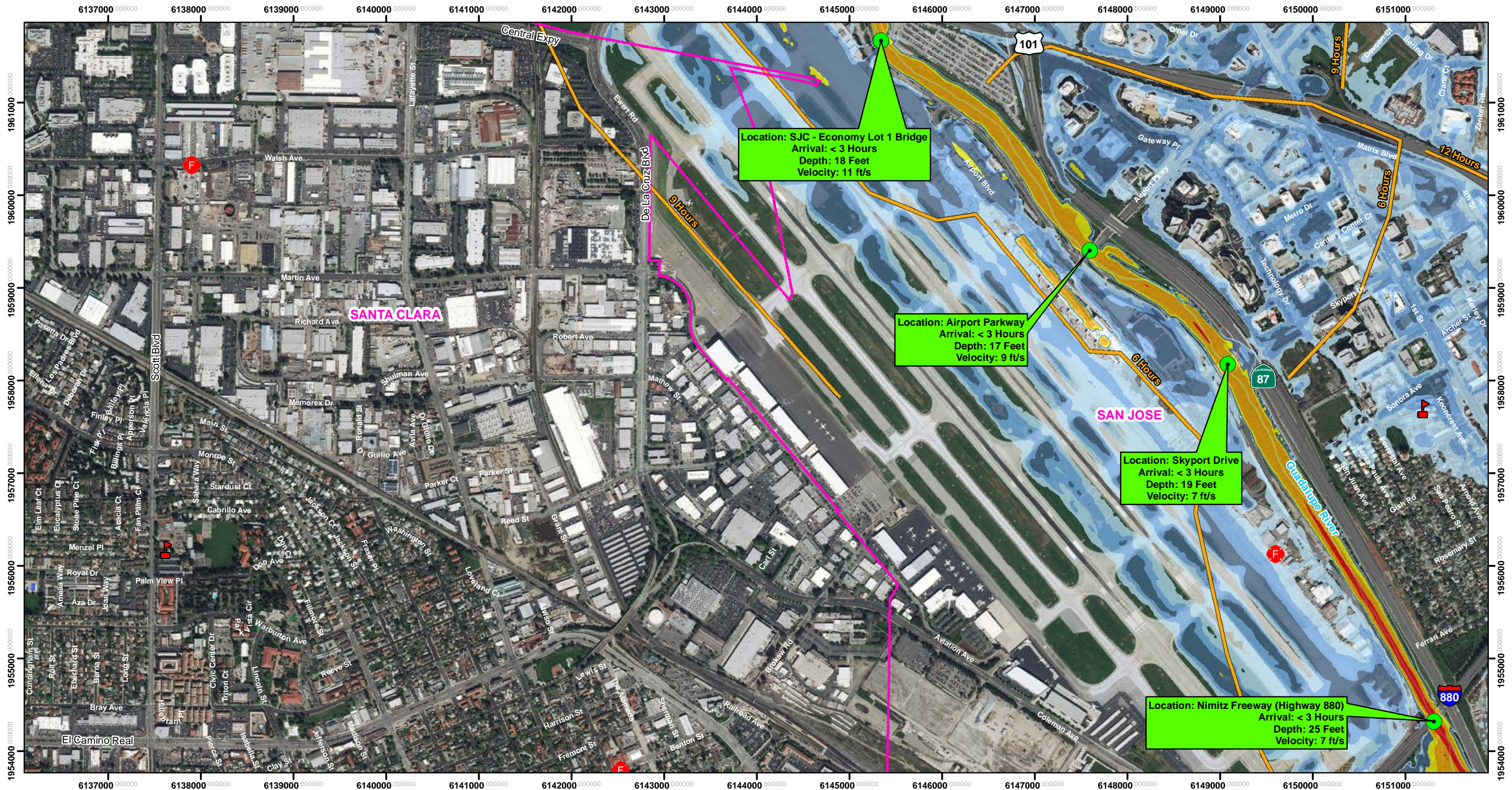
Inundation Map for the Hypothetical Inflow Design Flood Failure of **Almaden Dam**
Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 12 of 20
1 in = 1,000 ft

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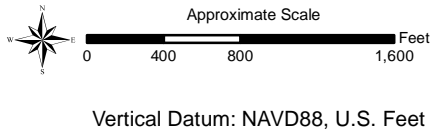
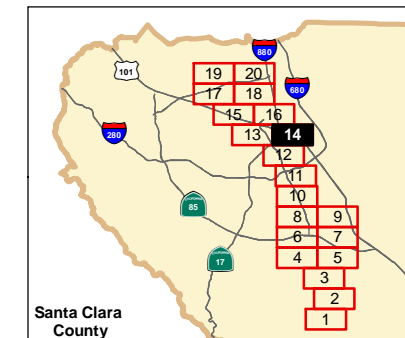
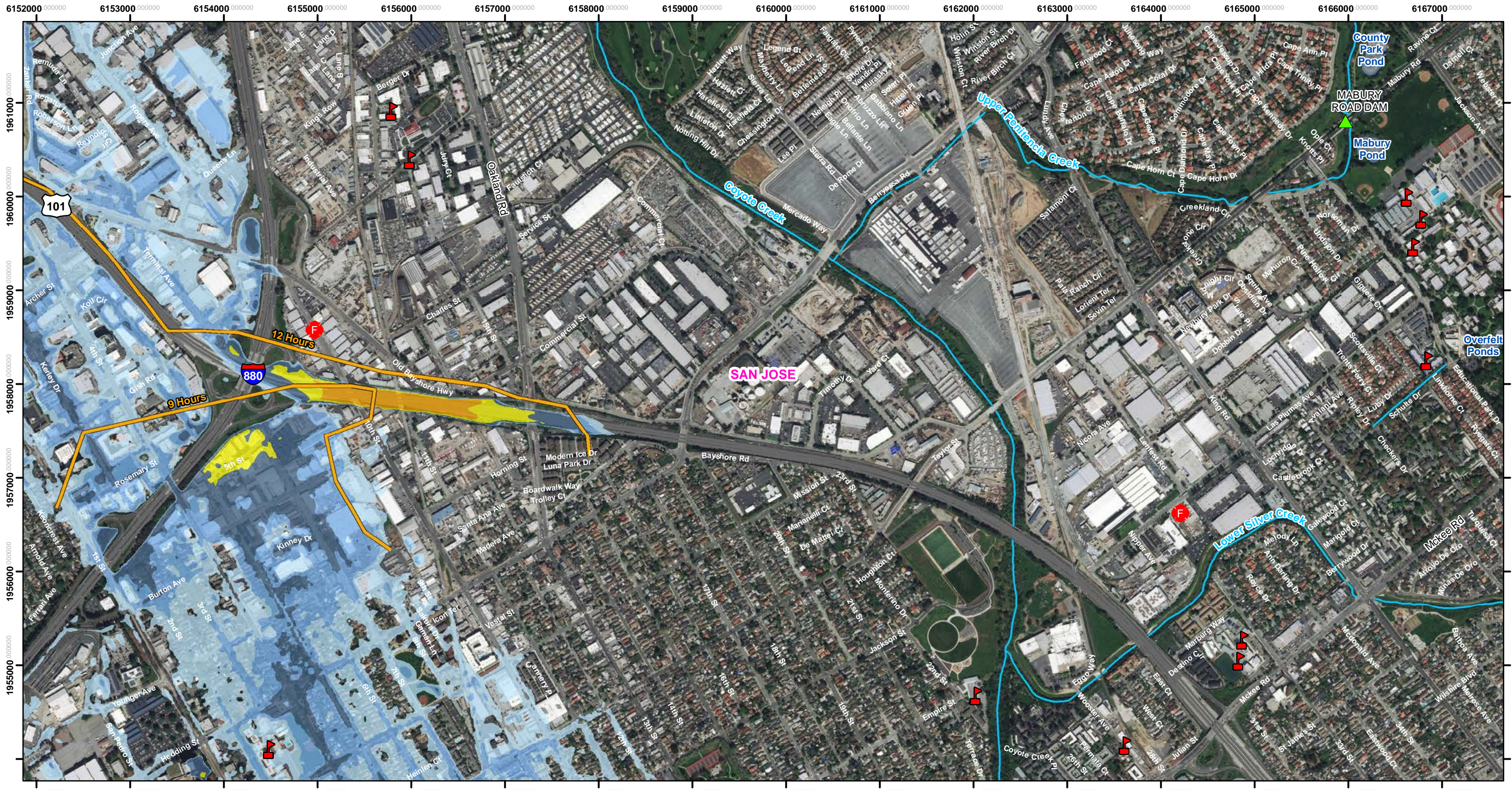
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 - 1 to 2
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 - 10 to 20
 - Flood Wave Arrival Time
 - Cities
 - ▲ Dams
 - 🚒 Schools
 - F Fire Stations

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



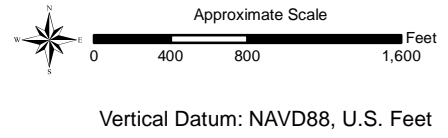
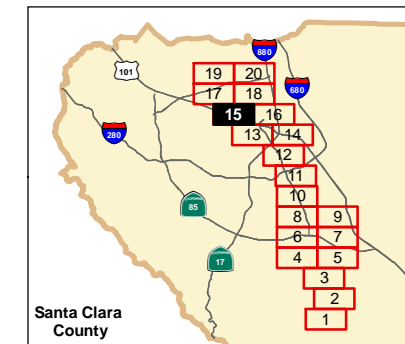
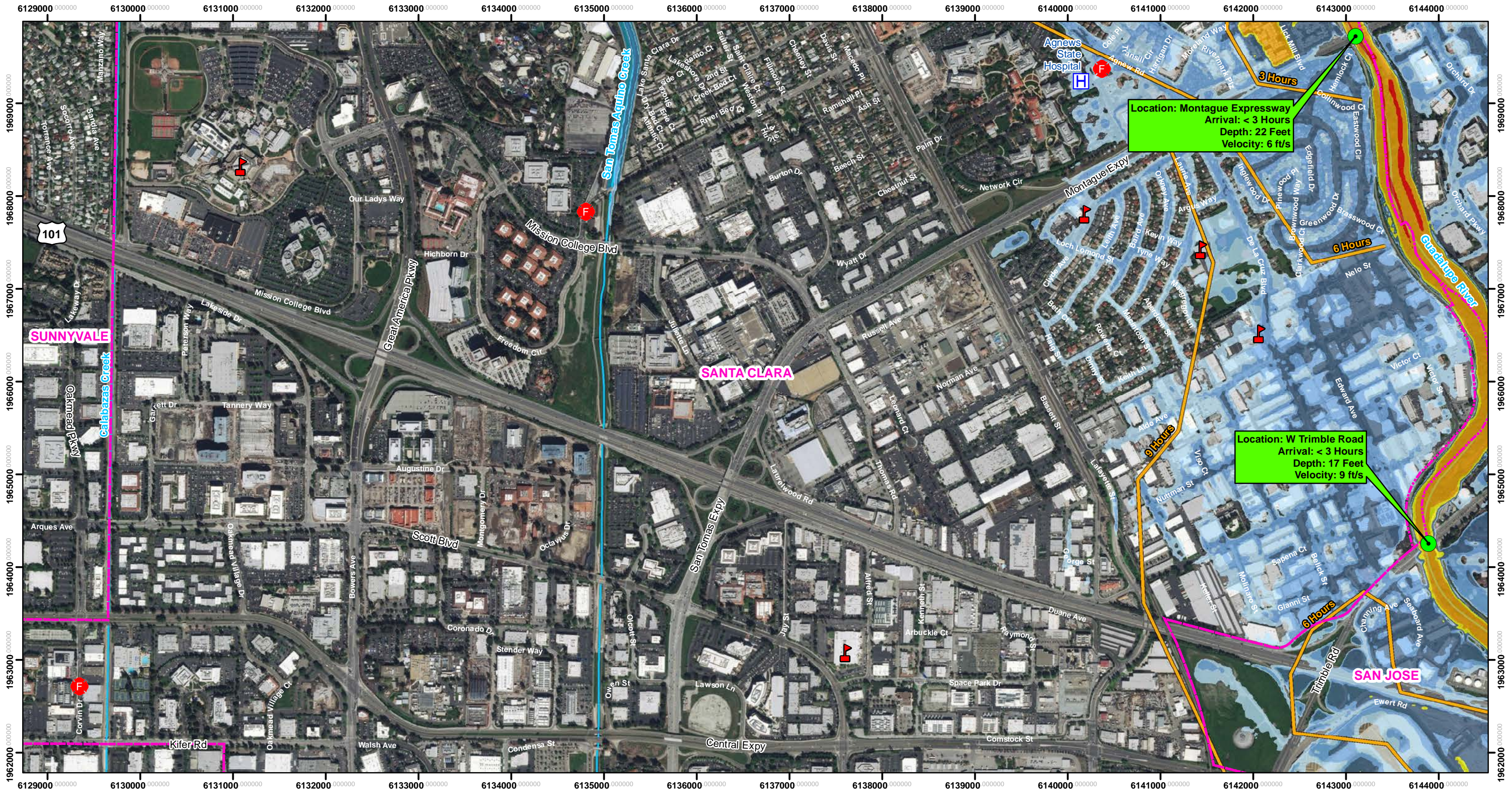
Inundation Map for the Hypothetical Inflow Design Flood Failure of **Almaden Dam**
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Sheet 14 of 20
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Inflow Design Flood (IDF) failure assumes a dam failure at the highest calculated reservoir elevation due to a probable maximum flood



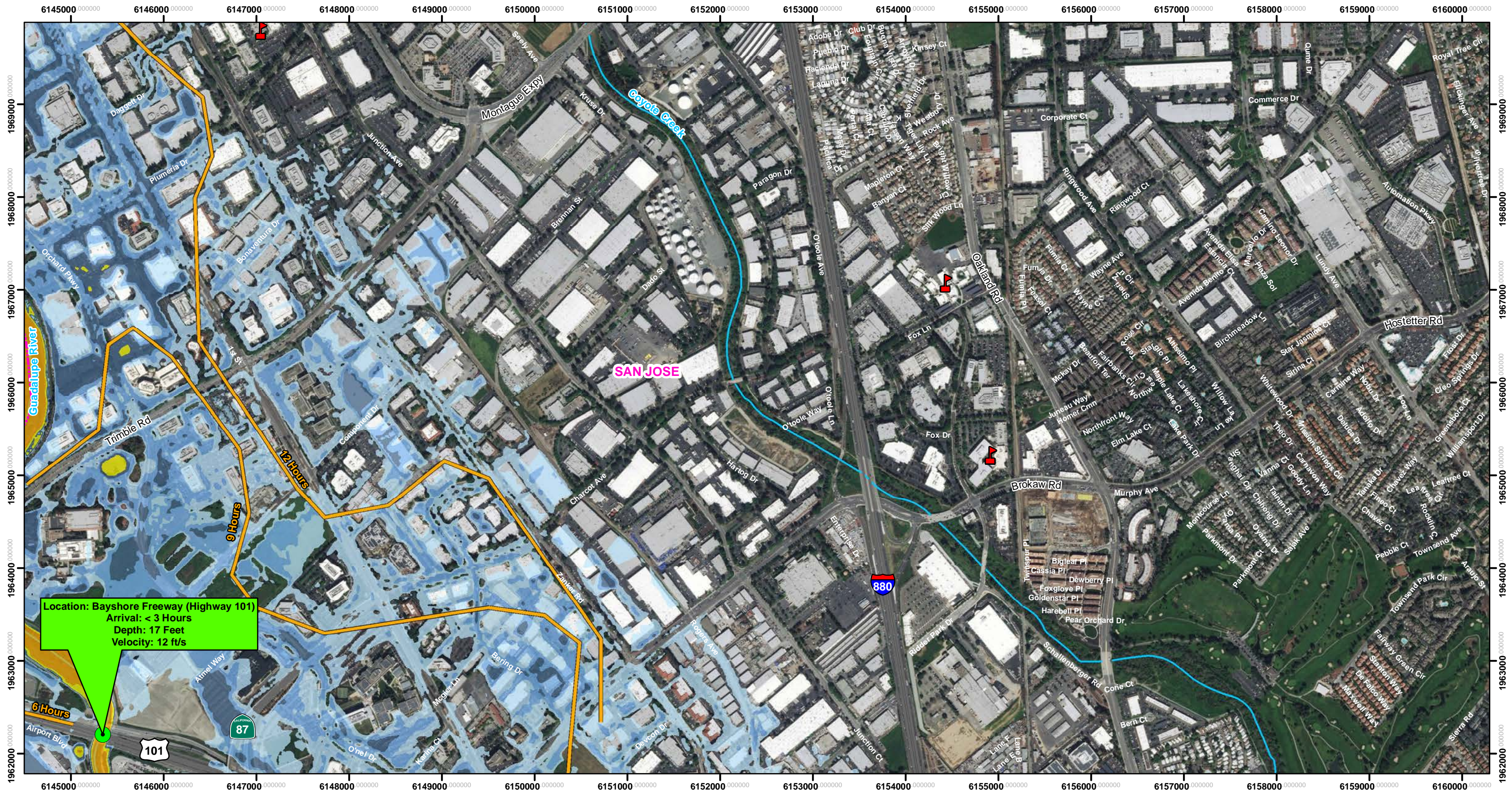
Inundation Map for the Hypothetical Inflow Design Flood Failure of **Almaden Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 15 of 20
 1 in = 1,000 ft

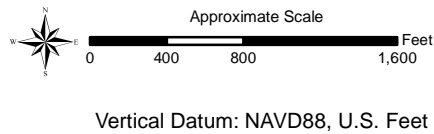
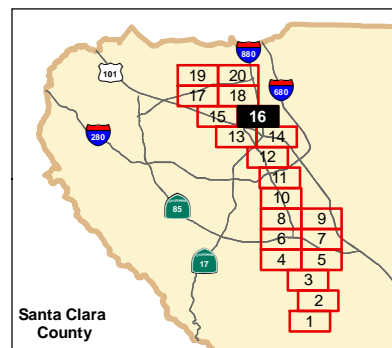
Dam Owner:
 Santa Clara Valley Water District
 5750 Almaden Exp
 San Jose CA 95118

Inundation Analysis and maps created by SCVWD

August 2019
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Location: Bayshore Freeway (Highway 101)
Arrival: < 3 Hours
Depth: 17 Feet
Velocity: 12 ft/s



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

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



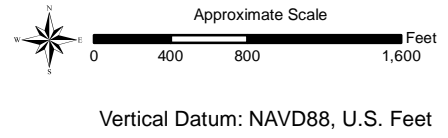
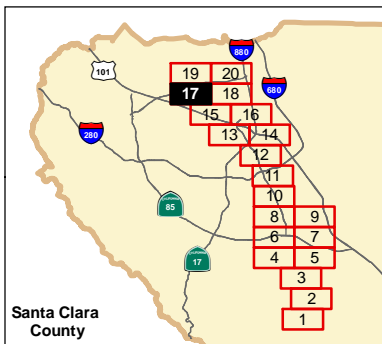
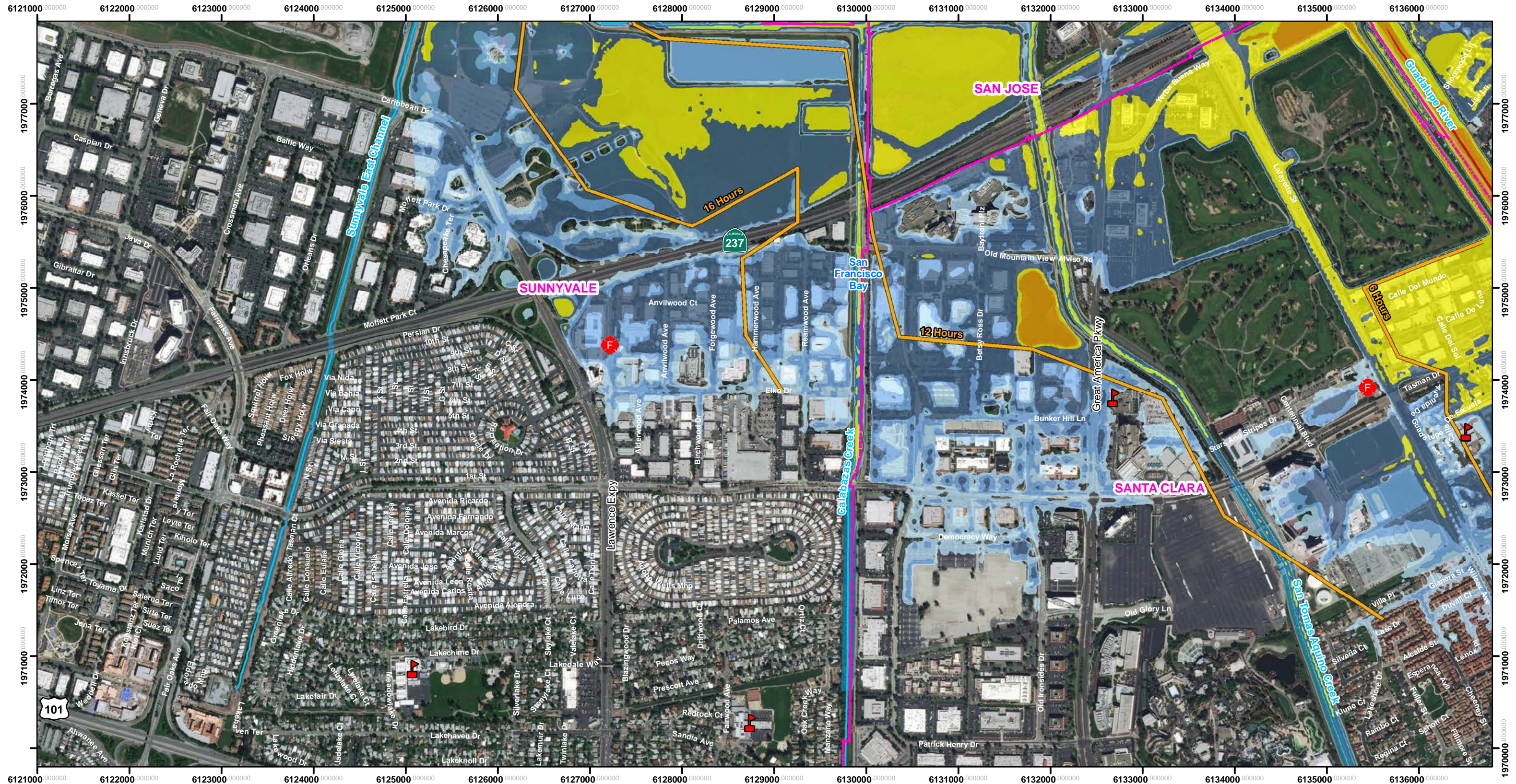
Inundation Map for the Hypothetical Inflow Design Flood Failure of **Almaden Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009

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

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



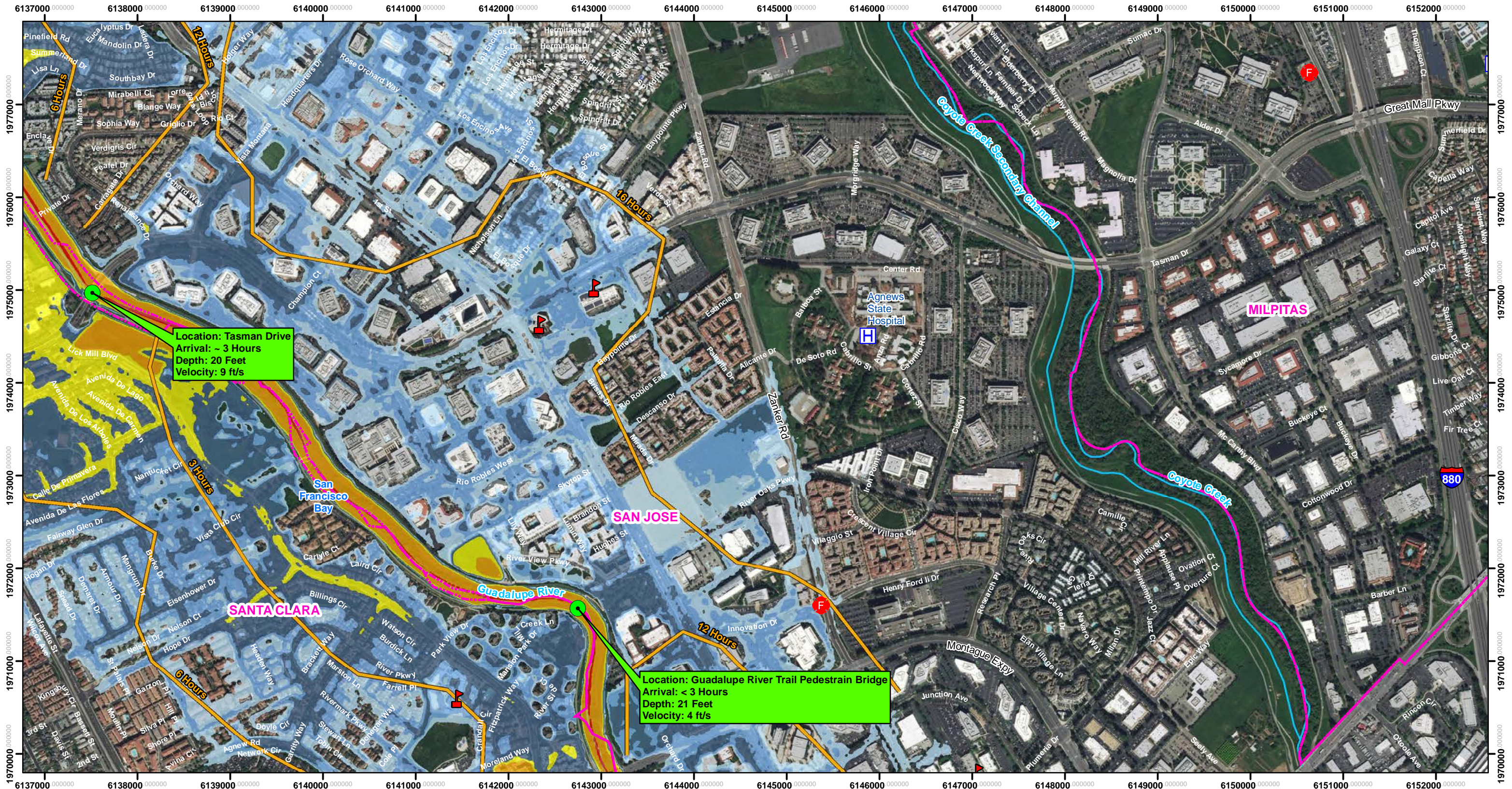
Inundation Map for the Hypothetical Inflow Design Flood Failure of **Almaden Dam**
 Federal Dam ID: CA00294 State Dam ID: 72-009

Sheet 17 of 20
 1 in = 1,000 ft

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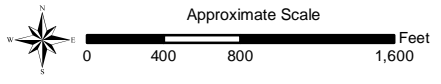
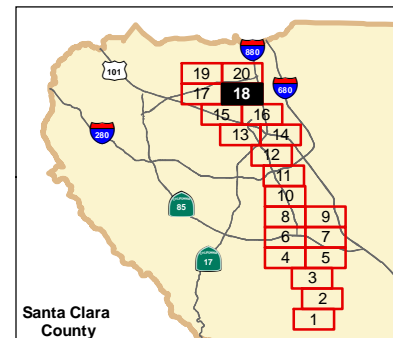
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Location: Tasman Drive
Arrival: ~ 3 Hours
Depth: 20 Feet
Velocity: 9 ft/s

Location: Guadalupe River Trail Pedestrian Bridge
Arrival: < 3 Hours
Depth: 21 Feet
Velocity: 4 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
 - Flood Wave Arrival Time
 - Cities
 - ▲ Schools
 - H Hospitals
 - F Fire Stations
 - 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 **Almaden Dam**

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

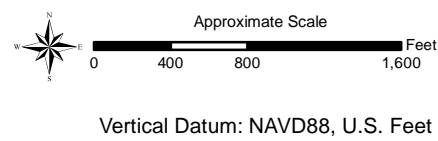
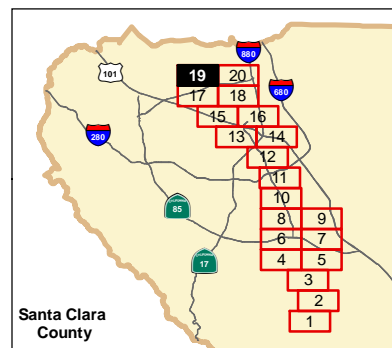
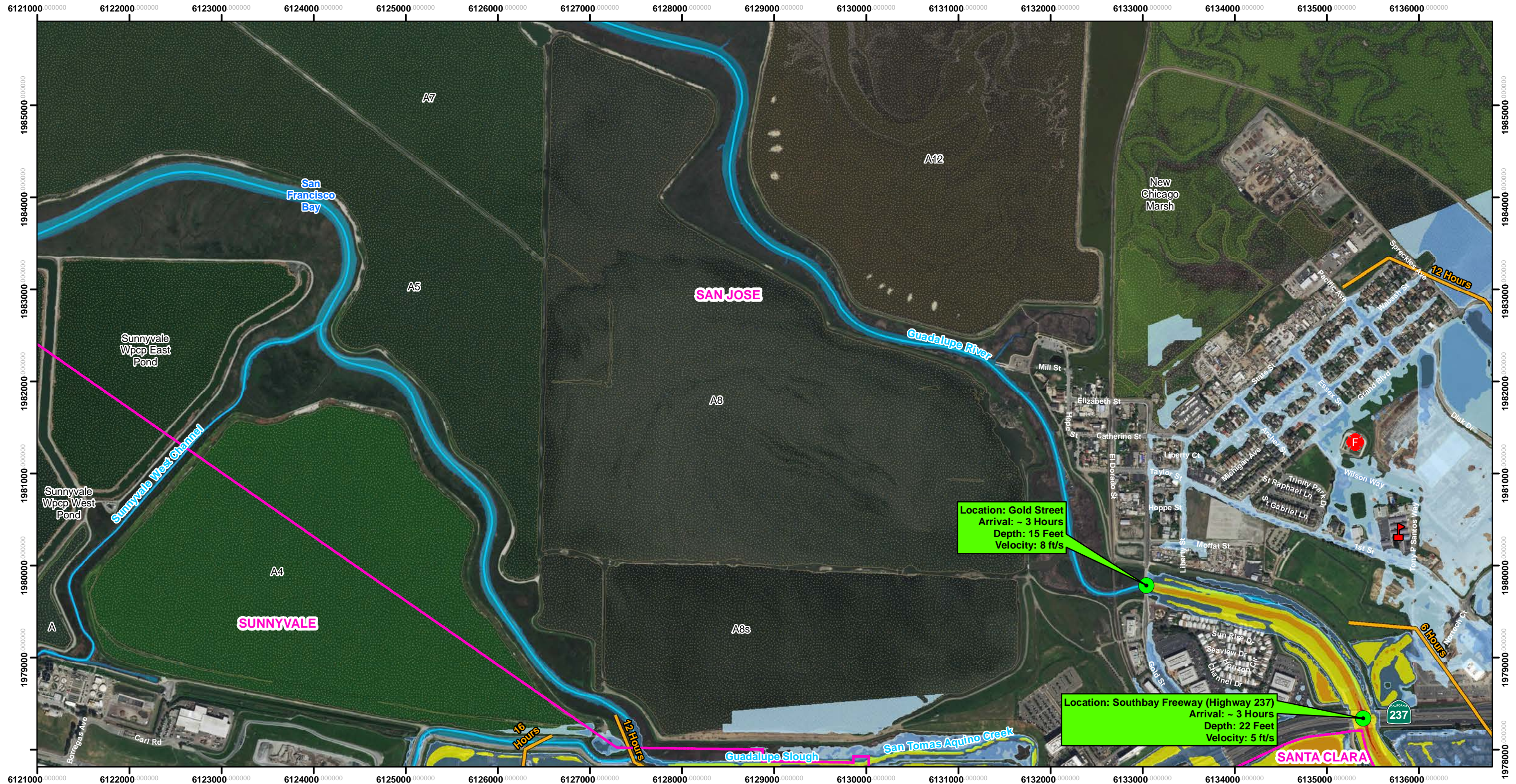
Sheet 18 of 20
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Legend

Maximum Inundation Depth (feet)

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

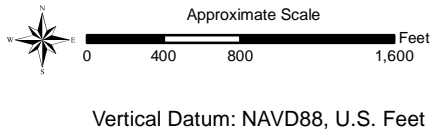
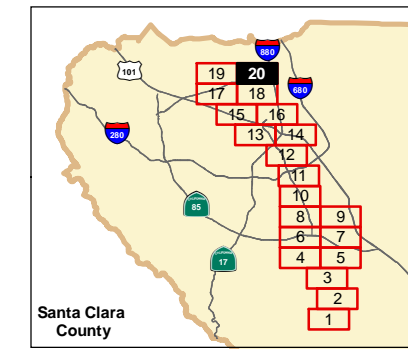
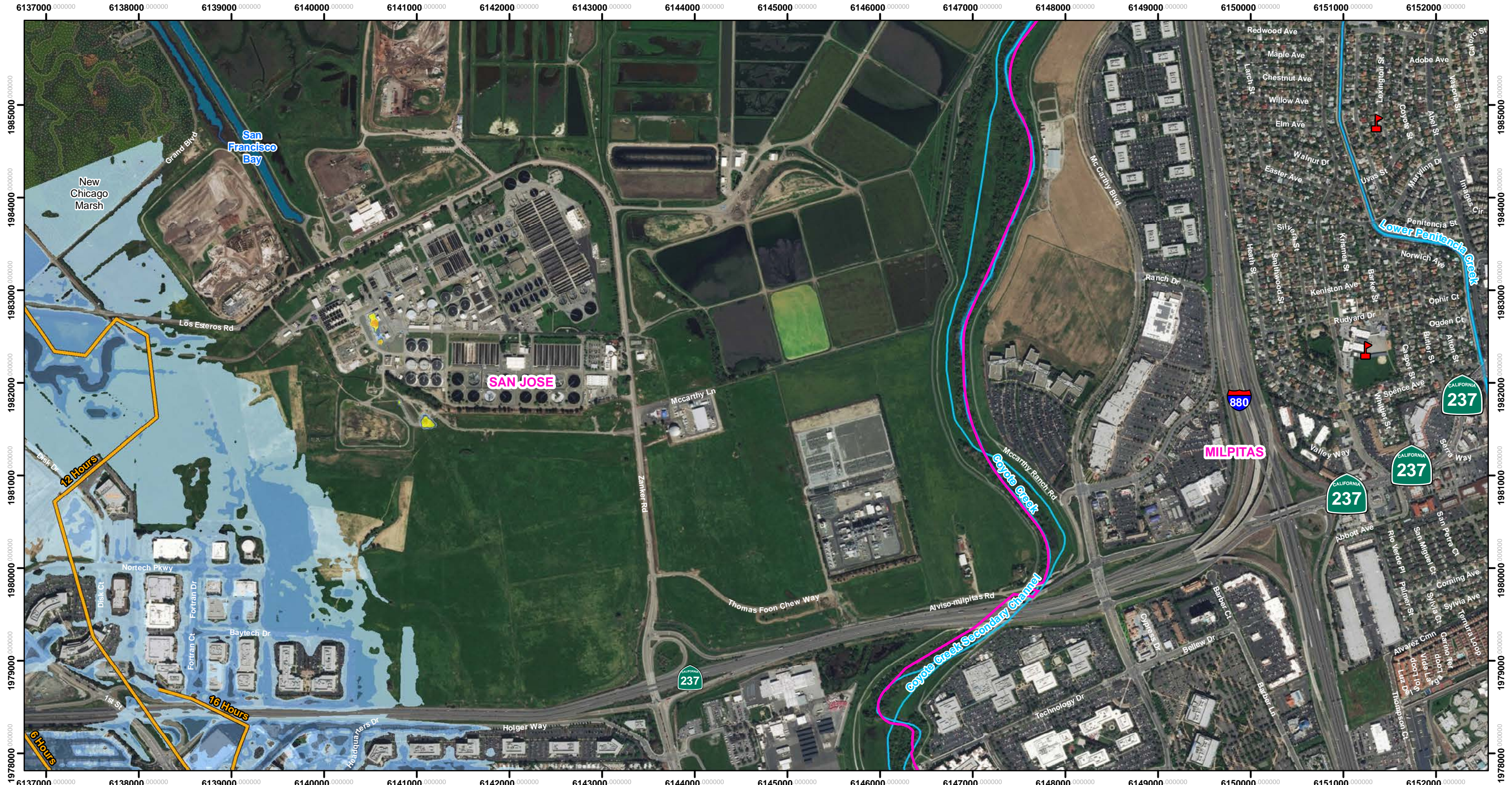
Flood Wave Arrival Time

- Cities
- Schools
- Fire Stations
- Road Callouts

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Inundation Map for the Hypothetical Inflow Design Flood 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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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 **Almaden Dam**

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

Sheet 20 of 20
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