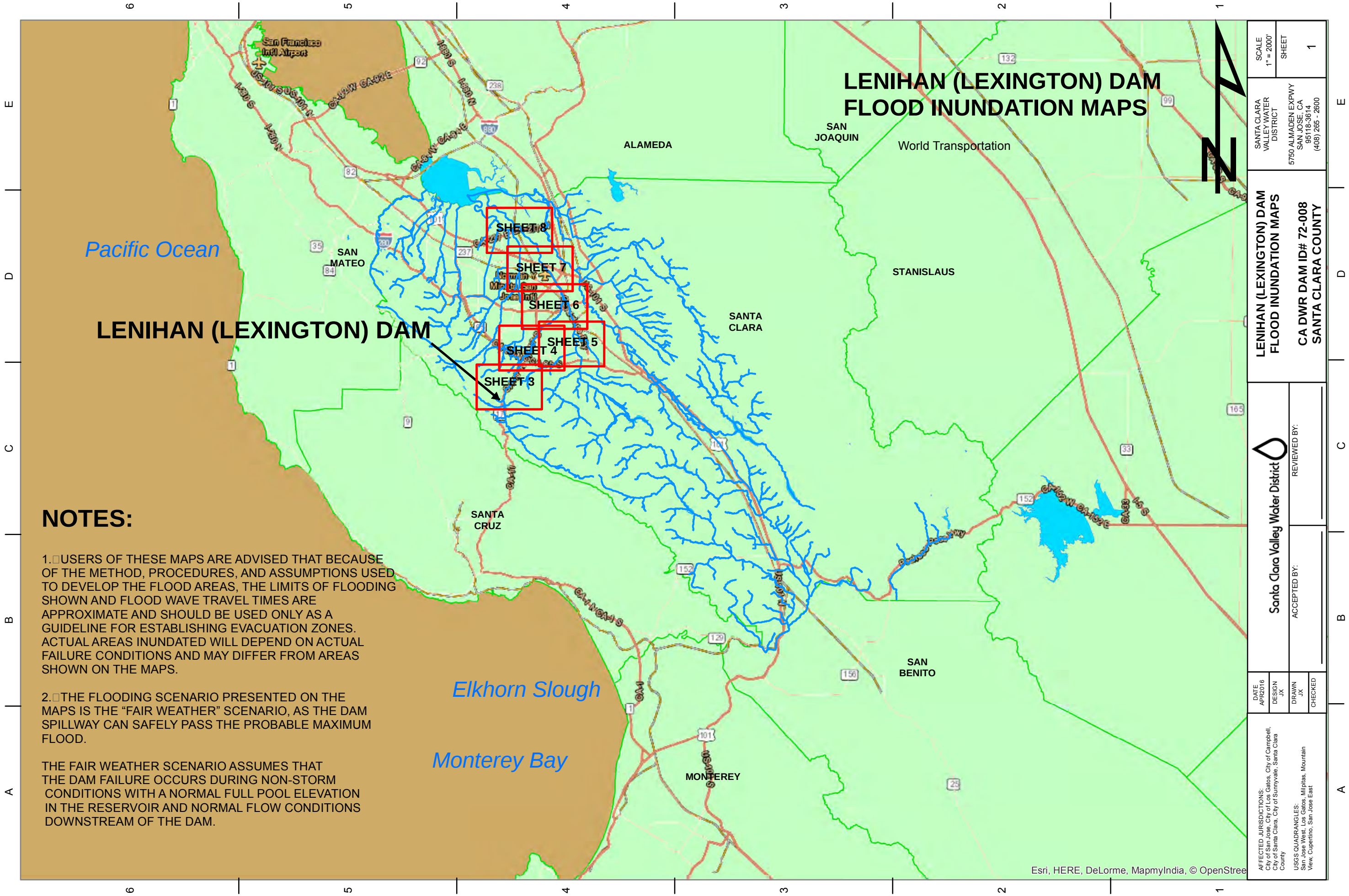




Pacific Ocean

LENIHAN (LEXINGTON) DAM

NOTES:

1. ☐ USERS OF THESE MAPS ARE ADVISED THAT BECAUSE OF THE METHOD, PROCEDURES, AND ASSUMPTIONS USED TO DEVELOP THE FLOOD AREAS, THE LIMITS OF FLOODING SHOWN AND FLOOD WAVE TRAVEL TIMES ARE APPROXIMATE AND SHOULD BE USED ONLY AS A GUIDELINE FOR ESTABLISHING EVACUATION ZONES. ACTUAL AREAS INUNDATED WILL DEPEND ON ACTUAL FAILURE CONDITIONS AND MAY DIFFER FROM AREAS SHOWN ON THE MAPS.

2. ☐ THE FLOODING SCENARIO PRESENTED ON THE MAPS IS THE "FAIR WEATHER" SCENARIO, AS THE DAM SPILLWAY CAN SAFELY PASS THE PROBABLE MAXIMUM FLOOD.

THE FAIR WEATHER SCENARIO ASSUMES THAT THE DAM FAILURE OCCURS DURING NON-STORM CONDITIONS WITH A NORMAL FULL POOL ELEVATION IN THE RESERVOIR AND NORMAL FLOW CONDITIONS DOWNSTREAM OF THE DAM.

Elkhorn Slough

Monterey Bay

LENIHAN (LEXINGTON) DAM FLOOD INUNDATION MAPS

Santa Clara Valley Water District

LENIHAN (LEXINGTON) DAM
FLOOD INUNDATION MAPS

CA DWR DAM ID# 72-008
SANTA CLARA COUNTY

SANTA CLARA
VALLEY WATER
DISTRICT
5750 ALMADEN EXPWY
SAN JOSE, CA
95118-3614
(408) 265 - 2600

SCALE
1" = 2000'
SHEET
1

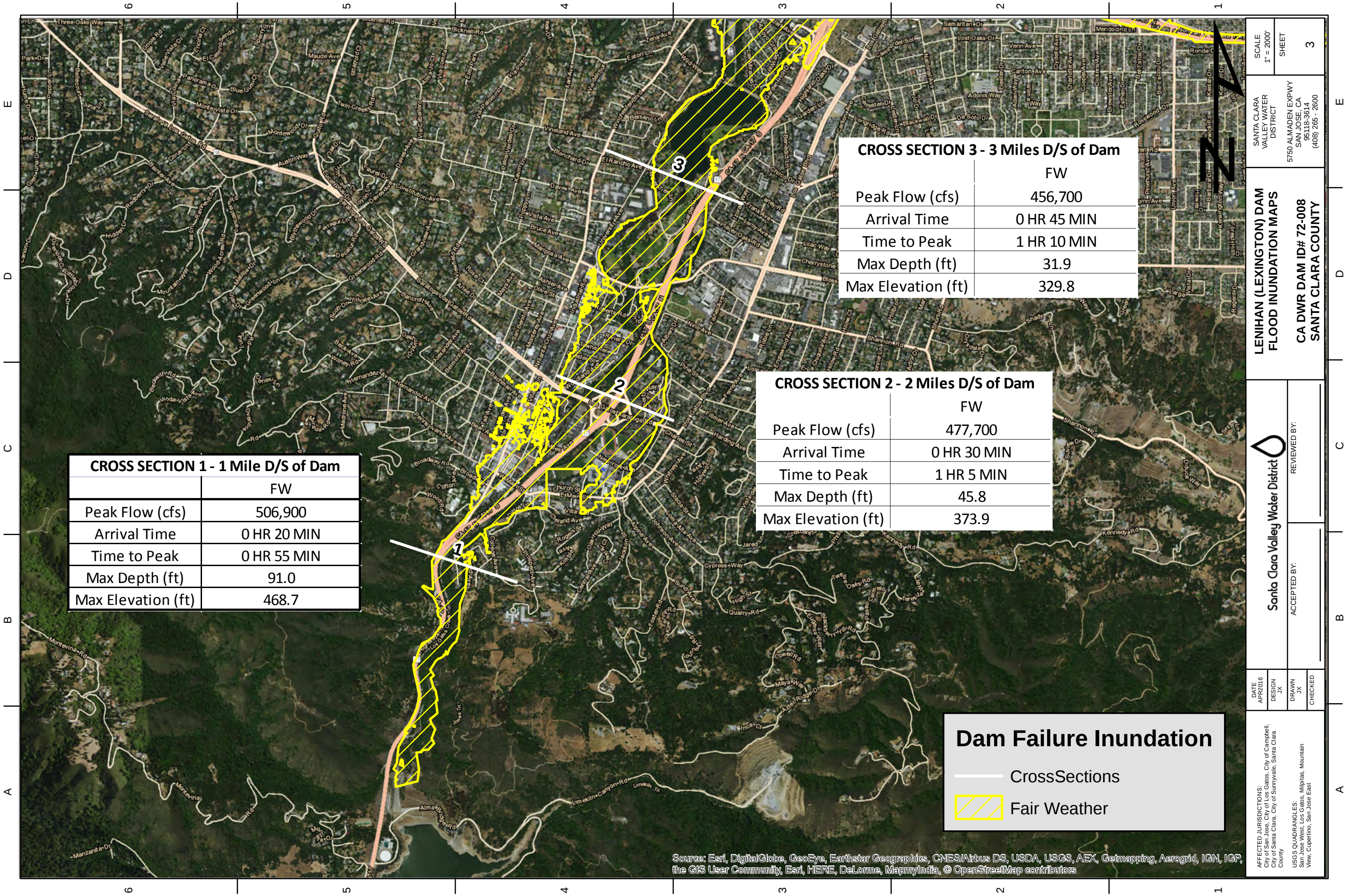
DATE
APR2016
DESIGN
JX
DRAWN
JX
CHECKED

AFFECTED JURISDICTIONS:
City of San Jose, City of Los Gatos, City of Campbell,
City of Santa Clara, City of Sunnyvale, Santa Clara
County
USGS QUADRANGLES:
San Jose West, Los Gatos, Milpitas, Mountain
View, Cupertino, San Jose East

REVIEWED BY:

ACCEPTED BY:

[illegible]



CROSS SECTION 1 - 1 Mile D/S of Dam	
	FW
Peak Flow (cfs)	506,900
Arrival Time	0 HR 20 MIN
Time to Peak	0 HR 55 MIN
Max Depth (ft)	91.0
Max Elevation (ft)	468.7

CROSS SECTION 3 - 3 Miles D/S of Dam	
	FW
Peak Flow (cfs)	456,700
Arrival Time	0 HR 45 MIN
Time to Peak	1 HR 10 MIN
Max Depth (ft)	31.9
Max Elevation (ft)	329.8

CROSS SECTION 2 - 2 Miles D/S of Dam	
	FW
Peak Flow (cfs)	477,700
Arrival Time	0 HR 30 MIN
Time to Peak	1 HR 5 MIN
Max Depth (ft)	45.8
Max Elevation (ft)	373.9

Dam Failure Inundation

CrossSections

Fair Weather

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

SCALE
1" = 2000'

SHEET
3

SANTA CLARA
VALLEY WATER
DISTRICT

5750 ALMADEN EXPWY
SAN JOSE, CA
95118-3614
(408) 265 - 2600

LENIHAN (LEXINGTON) DAM
FLOOD INUNDATION MAPS

CA DWR DAM ID# 72-008
SANTA CLARA COUNTY



Santa Clara Valley Water District

REVIEWED BY:

DATE
APR2016

DESIGN
JX

DRAWN
JX

CHECKED

ACCEPTED BY:

AFFECTED JURISDICTIONS:
City of San Jose, City of Los Gatos, City of Campbell,
City of Santa Clara, City of Sunnyvale, Santa Clara
County

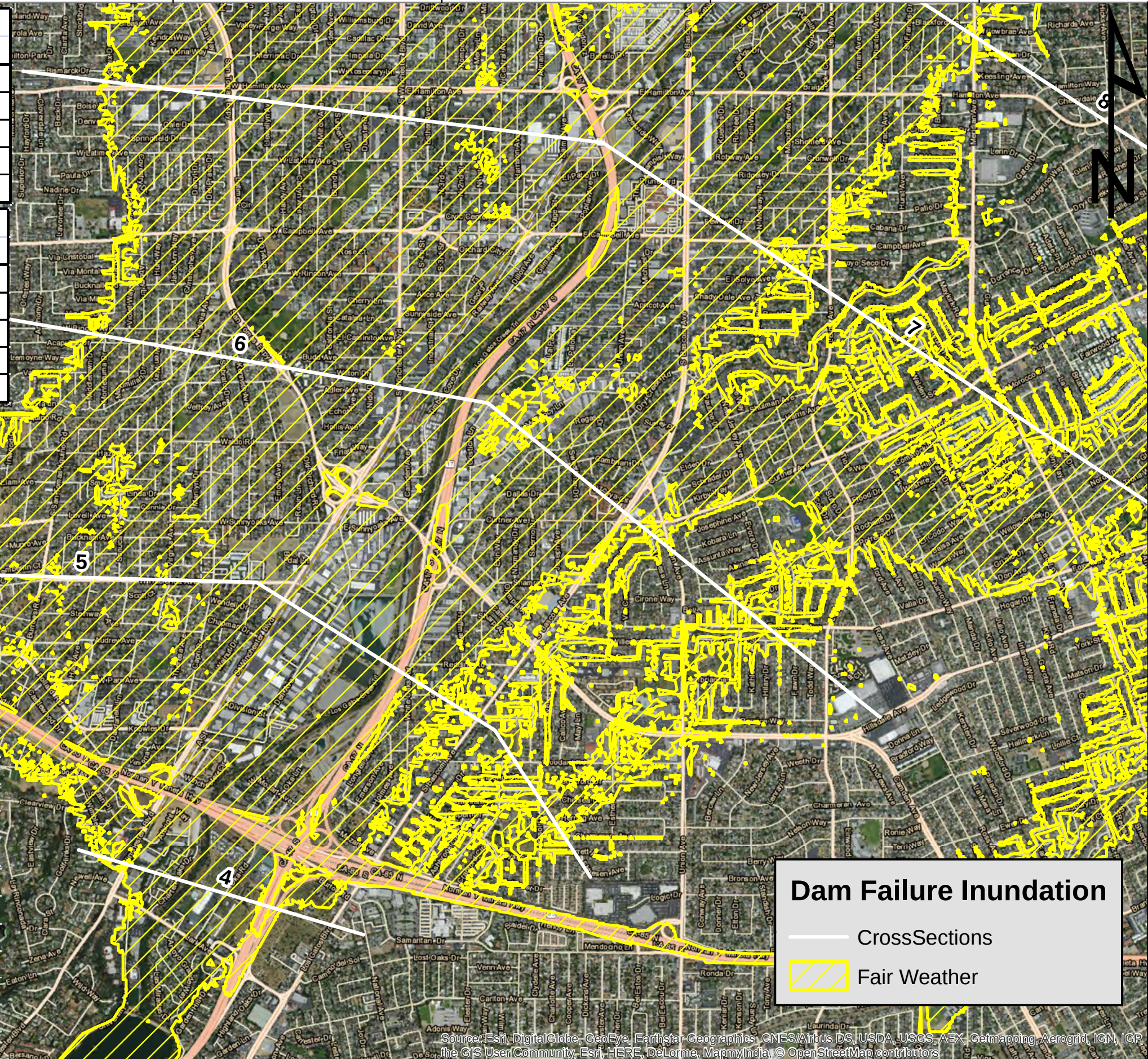
USGS QUADRANGLE(S):
San Jose West, Los Gatos, Milpitas, Mountain
View, Cupertino, San Jose East

CROSS SECTION 7 - 7 Miles D/S of Dam	
	FW
Peak Flow (cfs)	272,300
Arrival Time	1 HR 30 MIN
Time to Peak	1 HR 55 MIN
Max Depth (ft)	34.6
Max Elevation (ft)	191.5

CROSS SECTION 6 - 6 Miles D/S of Dam	
	FW
Peak Flow (cfs)	321,200
Arrival Time	1 HR 15 MIN
Time to Peak	1 HR 35 MIN
Max Depth (ft)	31.3
Max Elevation (ft)	219.8

CROSS SECTION 5 - 5 Miles D/S of Dam	
	FW
Peak Flow (cfs)	387,800
Arrival Time	1 HR 5 MIN
Time to Peak	1 HR 25 MIN
Max Depth (ft)	28.7
Max Elevation (ft)	251.1

CROSS SECTION 4 - 4 Miles D/S of Dam	
	FW
Peak Flow (cfs)	440,900
Arrival Time	0 HR 55 MIN
Time to Peak	1 HR 15 MIN
Max Depth (ft)	35.2
Max Elevation (ft)	294.3



Dam Failure Inundation

CrossSections

Fair Weather

SCALE
1" = 200'

SHEET
4

SANTA CLARA
VALLEY WATER
DISTRICT

5750 ALMADEN EXPWY
SAN JOSE, CA
95118-3614
(408) 265 - 2600

LENIHAN (LEXINGTON) DAM
FLOOD INUNDATION MAPS

CA DWR DAM ID# 72-008
SANTA CLARA COUNTY

Santa Clara Valley Water District

REVIEWED BY:

ACCEPTED BY:

DATE
APR2016

DESIGN
JK

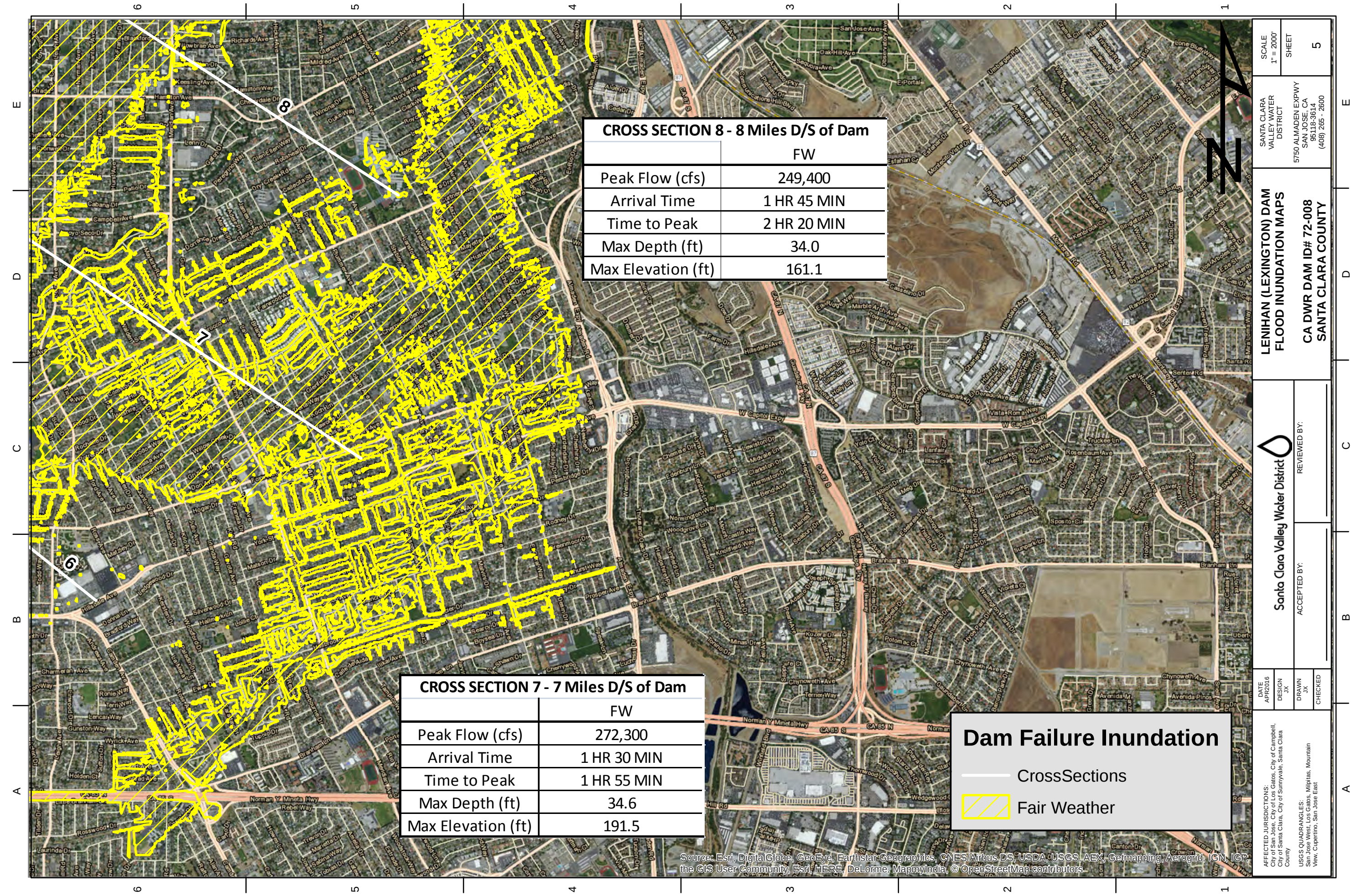
DRAWN
JK

CHECKED

AFFECTED JURISDICTIONS:
City of San Jose, City of Los Gatos, City of Campbell,
City of Santa Clara, City of Sunnyvale, Santa Clara
County

USGS QUADRANGLE ES:
San Jose West, Los Gatos, Milpitas, Mountain
View, Cupertino, San Jose East

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



CROSS SECTION 8 - 8 Miles D/S of Dam	
	FW
Peak Flow (cfs)	249,400
Arrival Time	1 HR 45 MIN
Time to Peak	2 HR 20 MIN
Max Depth (ft)	34.0
Max Elevation (ft)	161.1

CROSS SECTION 7 - 7 Miles D/S of Dam	
	FW
Peak Flow (cfs)	272,300
Arrival Time	1 HR 30 MIN
Time to Peak	1 HR 55 MIN
Max Depth (ft)	34.6
Max Elevation (ft)	191.5

Dam Failure Inundation

CrossSections

Fair Weather

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geomapping, AeroGRID, IGN, IGP, the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

SCALE
1" = 2000'

SHEET
5

SANTA CLARA
VALLEY WATER
DISTRICT

5750 ALMADEN EXPWY
SAN JOSE, CA
95118-3614
(408) 265 - 2600

LENIHAN (LEXINGTON) DAM
FLOOD INUNDATION MAPS

CA DWR DAM ID# 72-008
SANTA CLARA COUNTY



Santa Clara Valley Water District

REVIEWED BY:

ACCEPTED BY:

DATE
APR2016

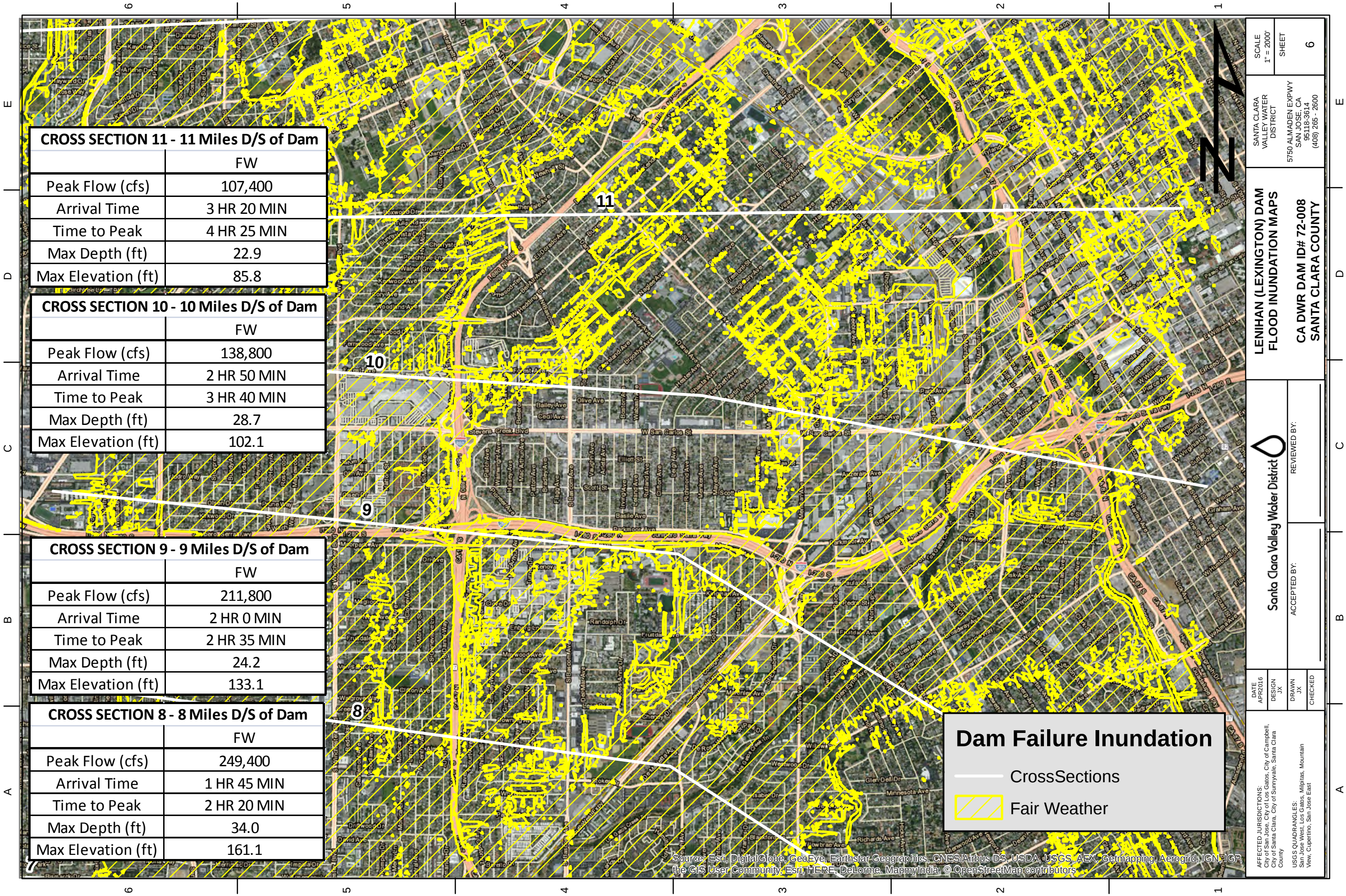
DESIGN
JK

DRAWN
JK

CHECKED

AFFECTED JURISDICTIONS:
City of San Jose, City of Los Gatos, City of Campbell,
City of Santa Clara, City of Sunnyvale, Santa Clara
County

USGS QUADRANGLE(S):
San Jose West, Los Gatos, Milpitas, Mountain
View, Cupertino, San Jose East



CROSS SECTION 11 - 11 Miles D/S of Dam

	FW
Peak Flow (cfs)	107,400
Arrival Time	3 HR 20 MIN
Time to Peak	4 HR 25 MIN
Max Depth (ft)	22.9
Max Elevation (ft)	85.8

CROSS SECTION 10 - 10 Miles D/S of Dam

	FW
Peak Flow (cfs)	138,800
Arrival Time	2 HR 50 MIN
Time to Peak	3 HR 40 MIN
Max Depth (ft)	28.7
Max Elevation (ft)	102.1

CROSS SECTION 9 - 9 Miles D/S of Dam

	FW
Peak Flow (cfs)	211,800
Arrival Time	2 HR 0 MIN
Time to Peak	2 HR 35 MIN
Max Depth (ft)	24.2
Max Elevation (ft)	133.1

CROSS SECTION 8 - 8 Miles D/S of Dam

	FW
Peak Flow (cfs)	249,400
Arrival Time	1 HR 45 MIN
Time to Peak	2 HR 20 MIN
Max Depth (ft)	34.0
Max Elevation (ft)	161.1

Dam Failure Inundation

- CrossSections
- ▨ Fair Weather

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geomapping, Aerogrid, IGN, IGP, the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

SCALE
1" = 2000'

SHEET
6

SANTA CLARA
VALLEY WATER
DISTRICT

5750 ALMADEN EXPWY
SAN JOSE, CA
95118-3614
(408) 265 - 2600

LENIHAN (LEXINGTON) DAM
FLOOD INUNDATION MAPS

CA DWR DAM ID# 72-008
SANTA CLARA COUNTY

DATE
APR2016

DESIGN
JK

DRAWN
JK

CHECKED

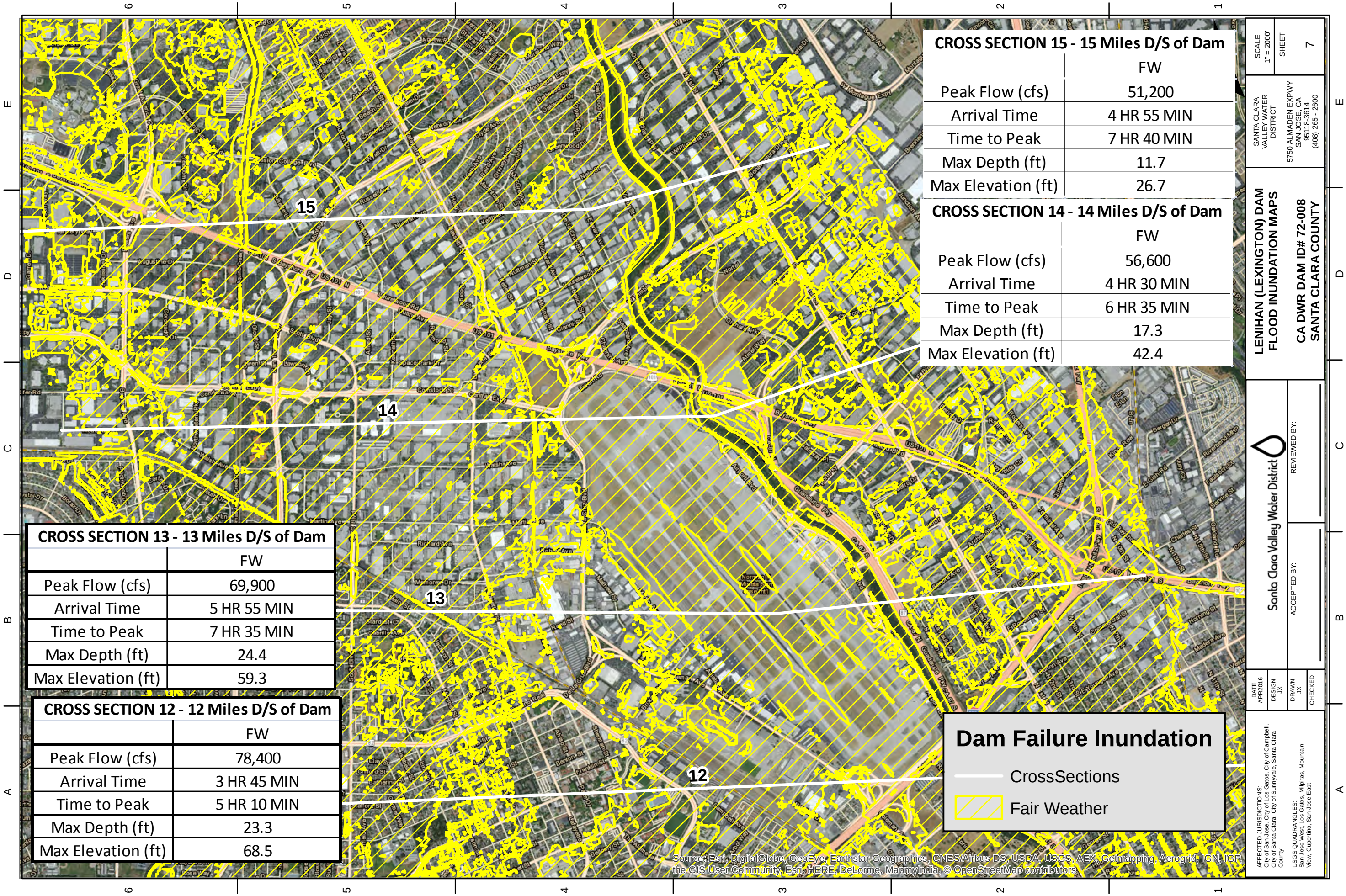
Santa Clara Valley Water District

REVIEWED BY:

ACCEPTED BY:

AFFECTED JURISDICTIONS:
City of San Jose, City of Los Gatos, City of Campbell,
City of Santa Clara, City of Sunnyvale, Santa Clara
County

USGS QUADRANGLE(S):
San Jose West, Los Gatos, Milpitas, Mountain
View, Cupertino, San Jose East



CROSS SECTION 15 - 15 Miles D/S of Dam

	FW
Peak Flow (cfs)	51,200
Arrival Time	4 HR 55 MIN
Time to Peak	7 HR 40 MIN
Max Depth (ft)	11.7
Max Elevation (ft)	26.7

CROSS SECTION 14 - 14 Miles D/S of Dam

	FW
Peak Flow (cfs)	56,600
Arrival Time	4 HR 30 MIN
Time to Peak	6 HR 35 MIN
Max Depth (ft)	17.3
Max Elevation (ft)	42.4

CROSS SECTION 13 - 13 Miles D/S of Dam

	FW
Peak Flow (cfs)	69,900
Arrival Time	5 HR 55 MIN
Time to Peak	7 HR 35 MIN
Max Depth (ft)	24.4
Max Elevation (ft)	59.3

CROSS SECTION 12 - 12 Miles D/S of Dam

	FW
Peak Flow (cfs)	78,400
Arrival Time	3 HR 45 MIN
Time to Peak	5 HR 10 MIN
Max Depth (ft)	23.3
Max Elevation (ft)	68.5

Dam Failure Inundation

- CrossSections
- ▨ Fair Weather



Santa Clara Valley Water District

REVIEWED BY:

ACCEPTED BY:

DATE
APR2016

DESIGN
JX

DRAWN
JX

CHECKED

AFFECTED JURISDICTIONS:
City of San Jose, City of Los Gatos, City of Campbell,
City of Santa Clara, City of Sunnyvale, Santa Clara
County

USGS QUADRANGLE:
San Jose West, Los Gatos, Milpitas, Mountain
View, Cupertino, San Jose East

LENIHAN (LEXINGTON) DAM
FLOOD INUNDATION MAPS

SANTA CLARA
VALLEY WATER
DISTRICT

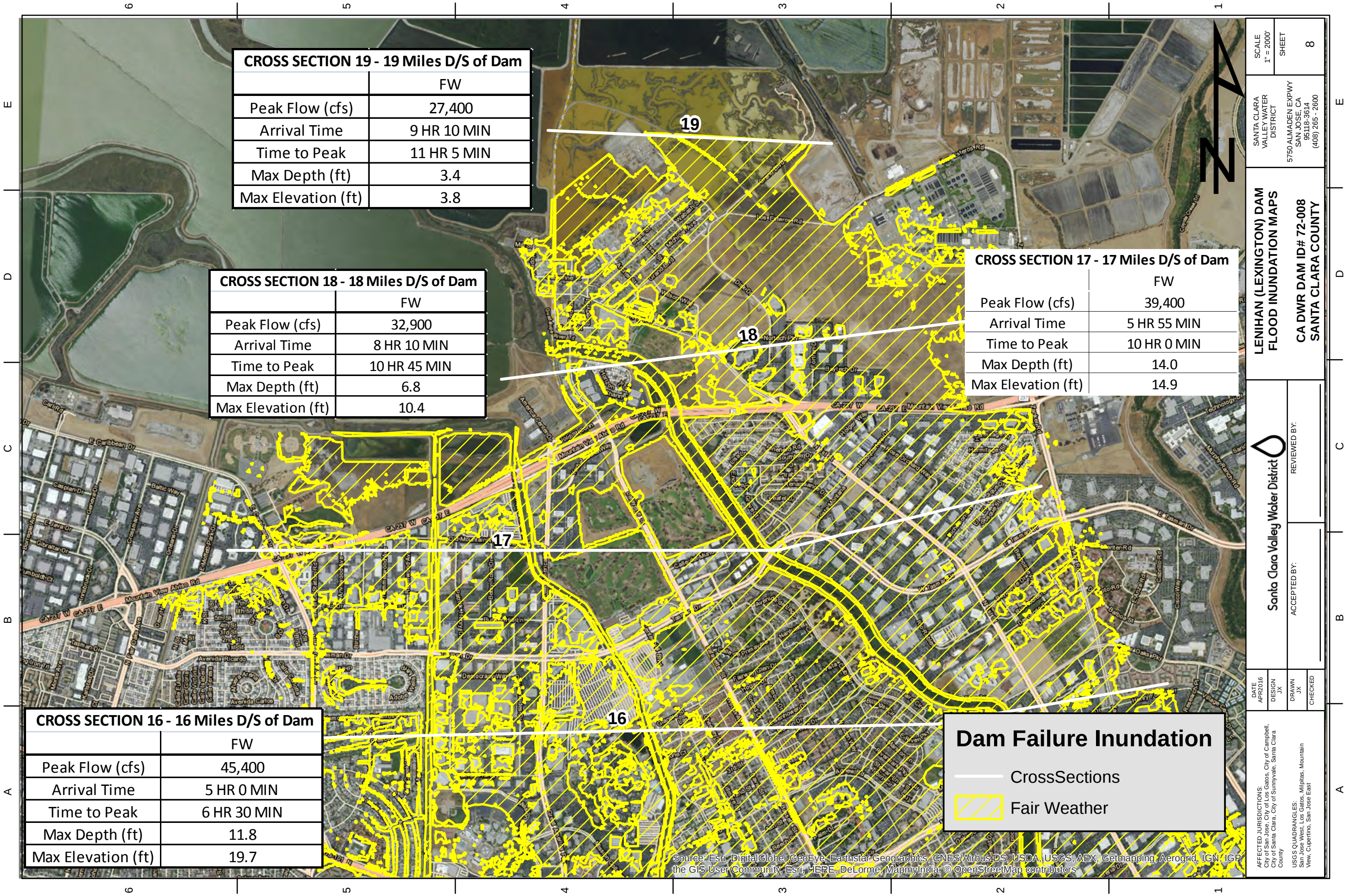
SCALE
1" = 2000'

5750 ALMADEN EXPWY
SAN JOSE, CA
95118-3614
(408) 265 - 2600

CA DWR DAM ID# 72-008
SANTA CLARA COUNTY

SHEET
7

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



CROSS SECTION 19 - 19 Miles D/S of Dam	
	FW
Peak Flow (cfs)	27,400
Arrival Time	9 HR 10 MIN
Time to Peak	11 HR 5 MIN
Max Depth (ft)	3.4
Max Elevation (ft)	3.8

CROSS SECTION 18 - 18 Miles D/S of Dam	
	FW
Peak Flow (cfs)	32,900
Arrival Time	8 HR 10 MIN
Time to Peak	10 HR 45 MIN
Max Depth (ft)	6.8
Max Elevation (ft)	10.4

CROSS SECTION 17 - 17 Miles D/S of Dam	
	FW
Peak Flow (cfs)	39,400
Arrival Time	5 HR 55 MIN
Time to Peak	10 HR 0 MIN
Max Depth (ft)	14.0
Max Elevation (ft)	14.9

CROSS SECTION 16 - 16 Miles D/S of Dam	
	FW
Peak Flow (cfs)	45,400
Arrival Time	5 HR 0 MIN
Time to Peak	6 HR 30 MIN
Max Depth (ft)	11.8
Max Elevation (ft)	19.7

Dam Failure Inundation

CrossSections

Fair Weather

SCALE
1" = 2000'

SHEET
8

SANTA CLARA
VALLEY WATER
DISTRICT

5750 ALMADEN EXPWY
SAN JOSE, CA
95118-3614
(408) 265 - 2600

LENIHAN (LEXINGTON) DAM
FLOOD INUNDATION MAPS

CA DWR DAM ID# 72-008
SANTA CLARA COUNTY

DATE
APR2016

DESIGN
JX

DRAWN
JX

CHECKED

AFFECTED JURISDICTIONS:
City of San Jose, City of Los Gatos, City of Campbell,
City of Santa Clara, City of Sunnyvale, Santa Clara
County

USGS QUADRANGLES:
San Jose West, Los Gatos, Milpitas, Mountain
View, Cupertino, San Jose East

Santa Clara Valley Water District

REVIEWED BY: