


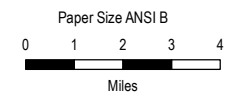


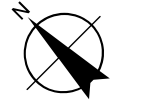
Data Disclaimer

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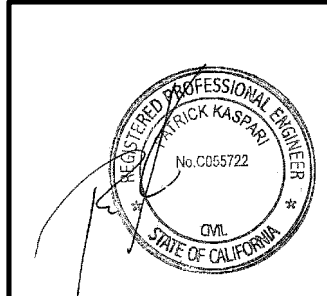
-  Map Book Coverage
-  Inundation Model for Sunny Day & Critical Appurtenant Structure (CAS) Failure Scenarios
-  Inundation Model for Record Flood Scenario



Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Vertical Datum: North American 1988
Grid: NAD 1983 StatePlane California I FIPS 0401 Feet



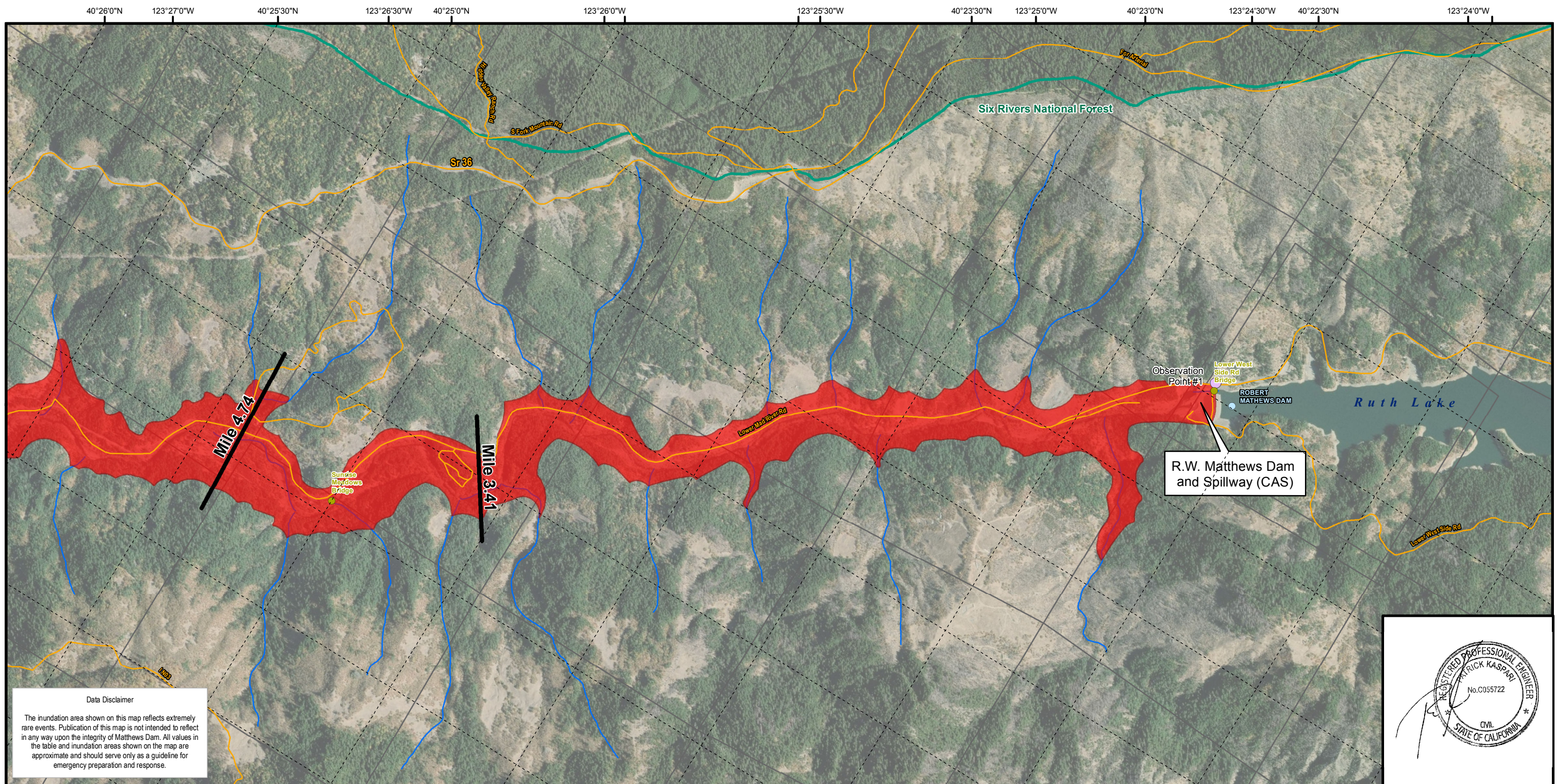
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R. W. MATTHEWS DAM
DAM NUMBER: 1013.000
NATIONAL ID No.: CA00833
TRINITY COUNTY
RUTH LAKE, CA

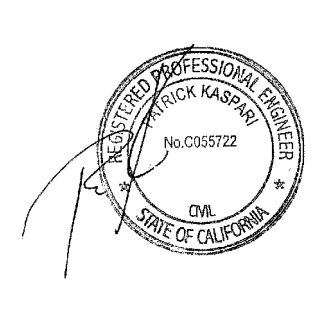


Project No. 11188935
 Revision No. -
 Date 5/15/2019
Figure 1



Data Disclaimer

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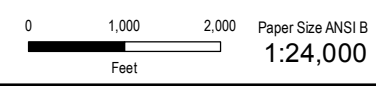


- Legend**
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 - Inundation Model for Record Flood Scenario
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 - Shelters
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Model Simulation Date: April 2001

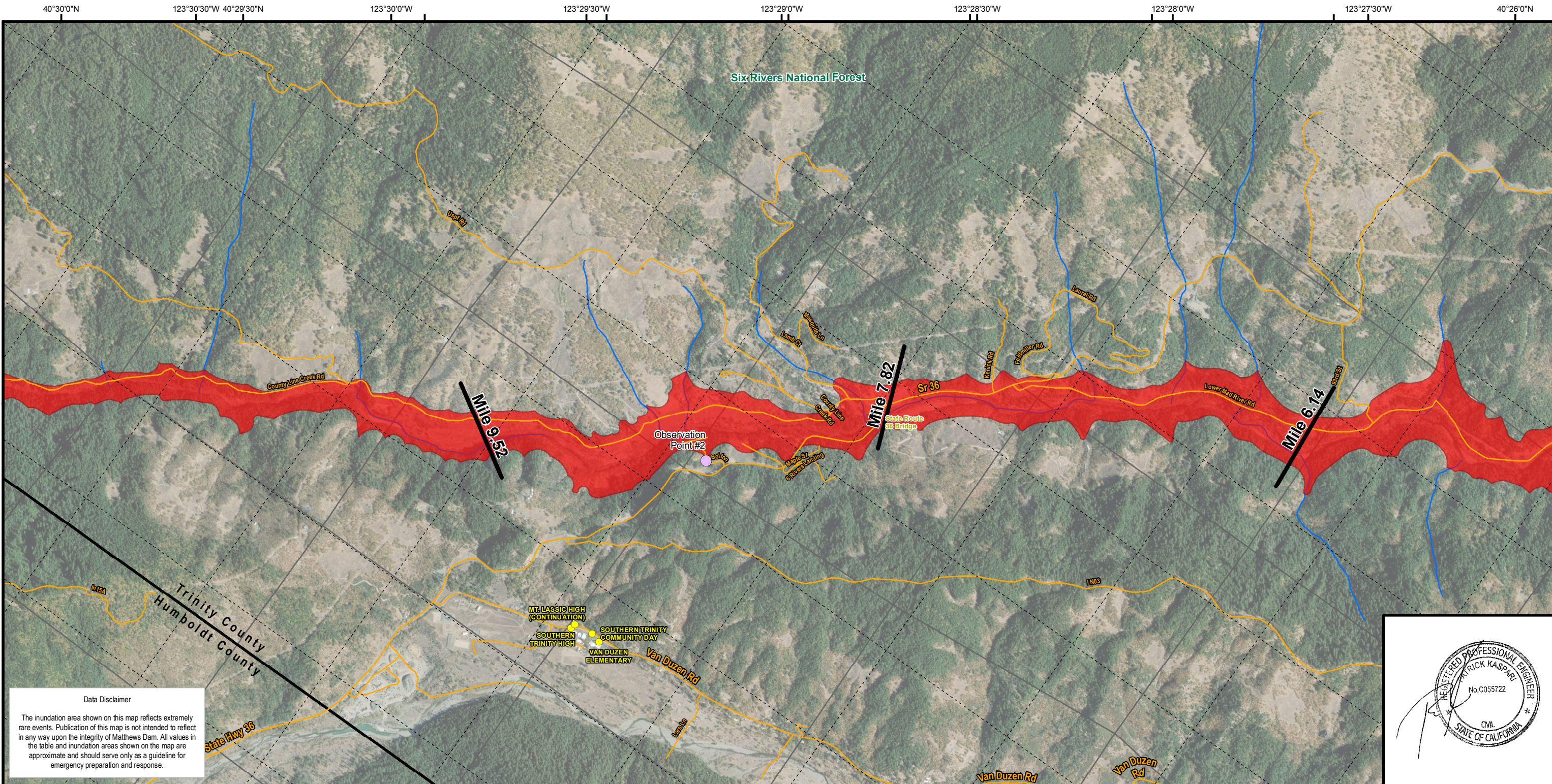
MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
3.41	2601 FT	86 FT	17 FT/S	0 HR 20 MIN	0 HR 45 MIN	2576 FT	61 FT	14 FT/S	0 HR 20 MIN	0 HR 45 MIN
4.74	2571 Ft	82 FT		0 HR 25 MIN	0 HR 55 MIN	2546 FT	57 FT		0 HR 25 MIN	0 HR 55 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Vertical Datum: North American 1988
 Grid: NAD 1983 StatePlane California I FIPS 0401 Feet



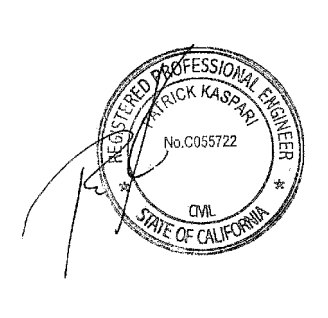
R. W. MATTHEWS DAM
 DAM NUMBER: 1013.000
 NATIONAL ID No.: CA00833
 TRINITY COUNTY
 RUTH LAKE, CA

Project No. 11188935
 Revision No. -
 Date 7/3/2019
Figure 2.1



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Legend

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Model Simulation Date: April 2001

MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
6.14	2541 FT	79 FT		0 HR 30 MIN	1 HR 05 MIN	2515 FT	53 FT		0 HR 30 MIN	1 HR 05 MIN
7.82	2508 FT	78 FT	15 FT/5	0 HR 40 MIN	1 HR 20 MIN	2481 FT	51 FT	12 FT/S	0 HR 45 MIN	1 HR 20 MIN
9.52	2481 FT	86 FT		1 HR 05 MIN	1 HR 35 MIN	2451 FT	56 FT		1 HR 10 MIN	1 HR 35 MIN

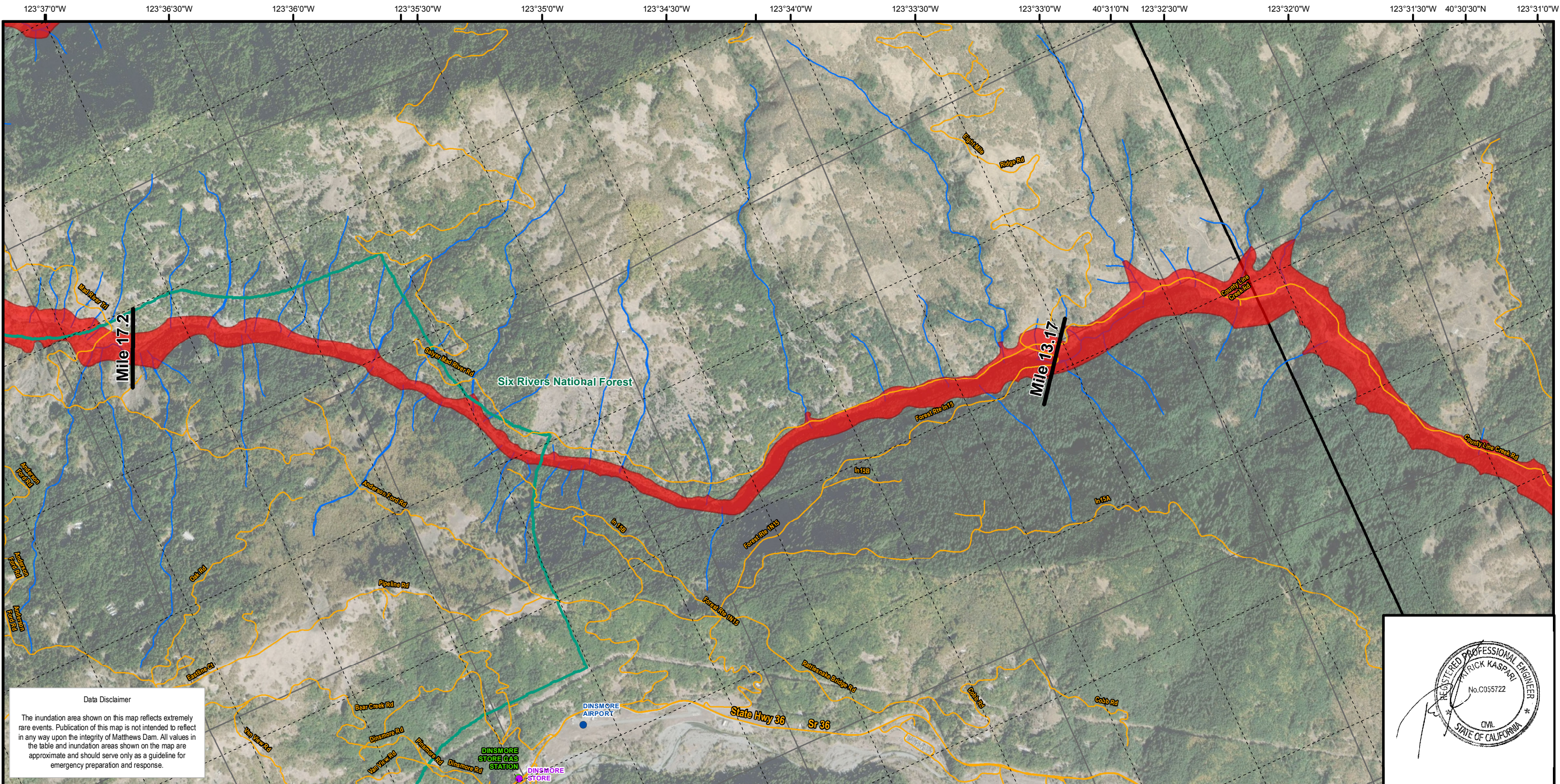
Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983
Vertical Datum: North American 1988
Grid: NAD 1983 StatePlane California I FIPS 0401 Feet

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Feet

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1:24,000

R. W. MATTHEWS DAM
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RUTH LAKE, CA

Project No. 11188935
Revision No. -
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Figure 2.2



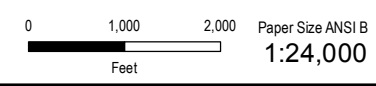
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 - Shelters
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- Model Simulation Date: April 2001**

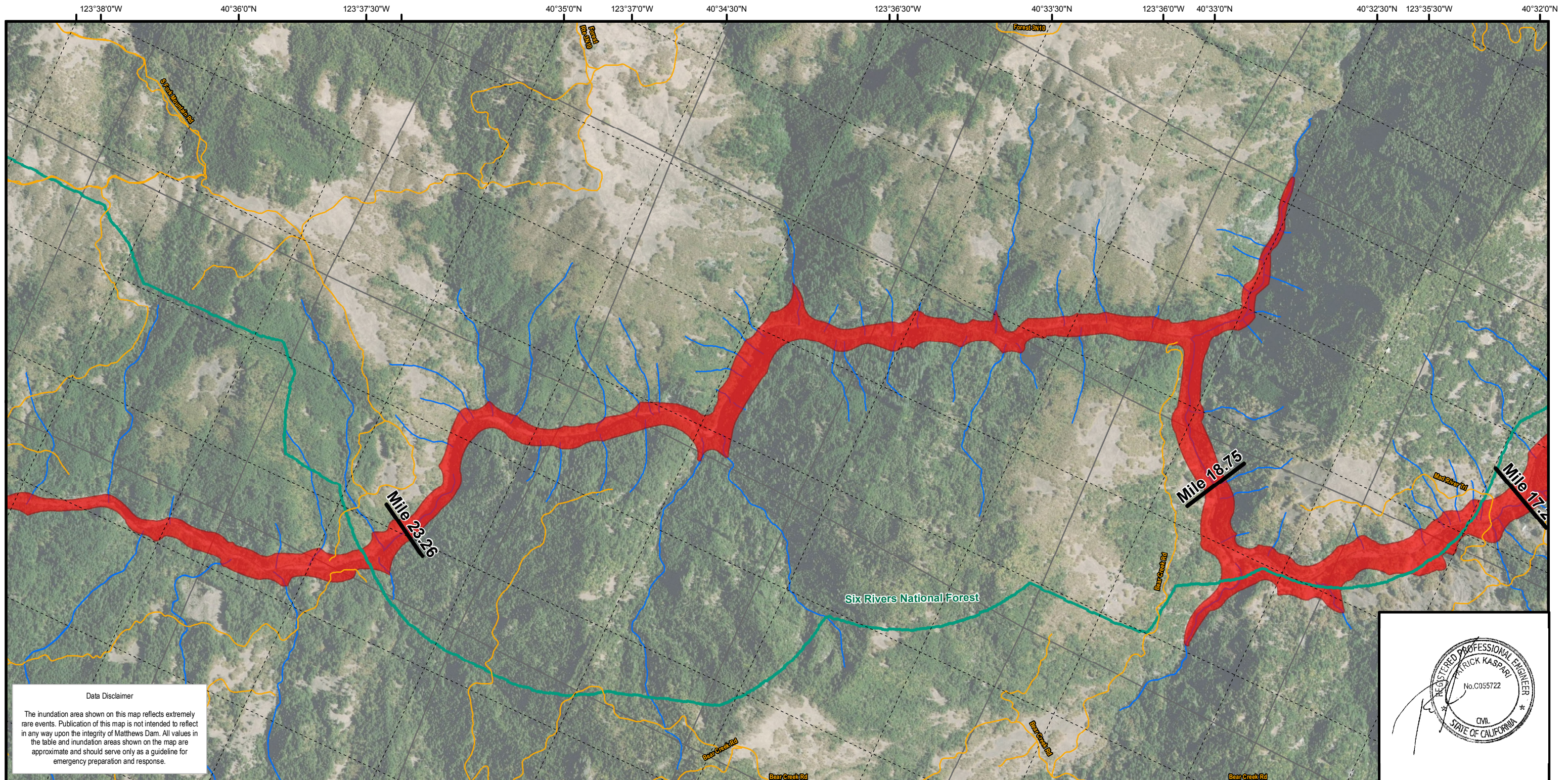
MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
13.17	2409 FT	89 FT	17 FT/S	1 HR 20 MIN	2 HR 15 MIN	2381 FT	61 FT	15 FT/S	1 HR 30 MIN	2 HR 05 MIN
17.20	2264 FT	105 FT		1 HR 30 MIN	2 HR 45 MIN	2231 FT	72 FT		1 HR 50 MIN	2 HR 30 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Vertical Datum: North American 1988
 Grid: NAD 1983 StatePlane California I FIPS 0401 Feet



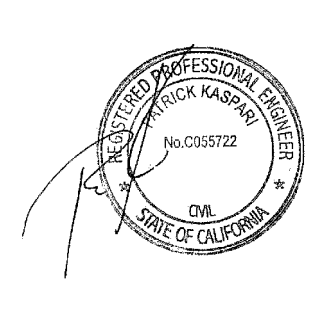
R. W. MATTHEWS DAM
 DAM NUMBER: 1013.000
 NATIONAL ID No.: CA00833
 TRINITY COUNTY
 RUTH LAKE, CA

Project No. 11188935
 Revision No. -
 Date 7/3/2019
 Figure 2.3



Data Disclaimer

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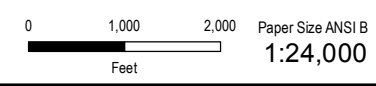


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Model Simulation Date: April 2001

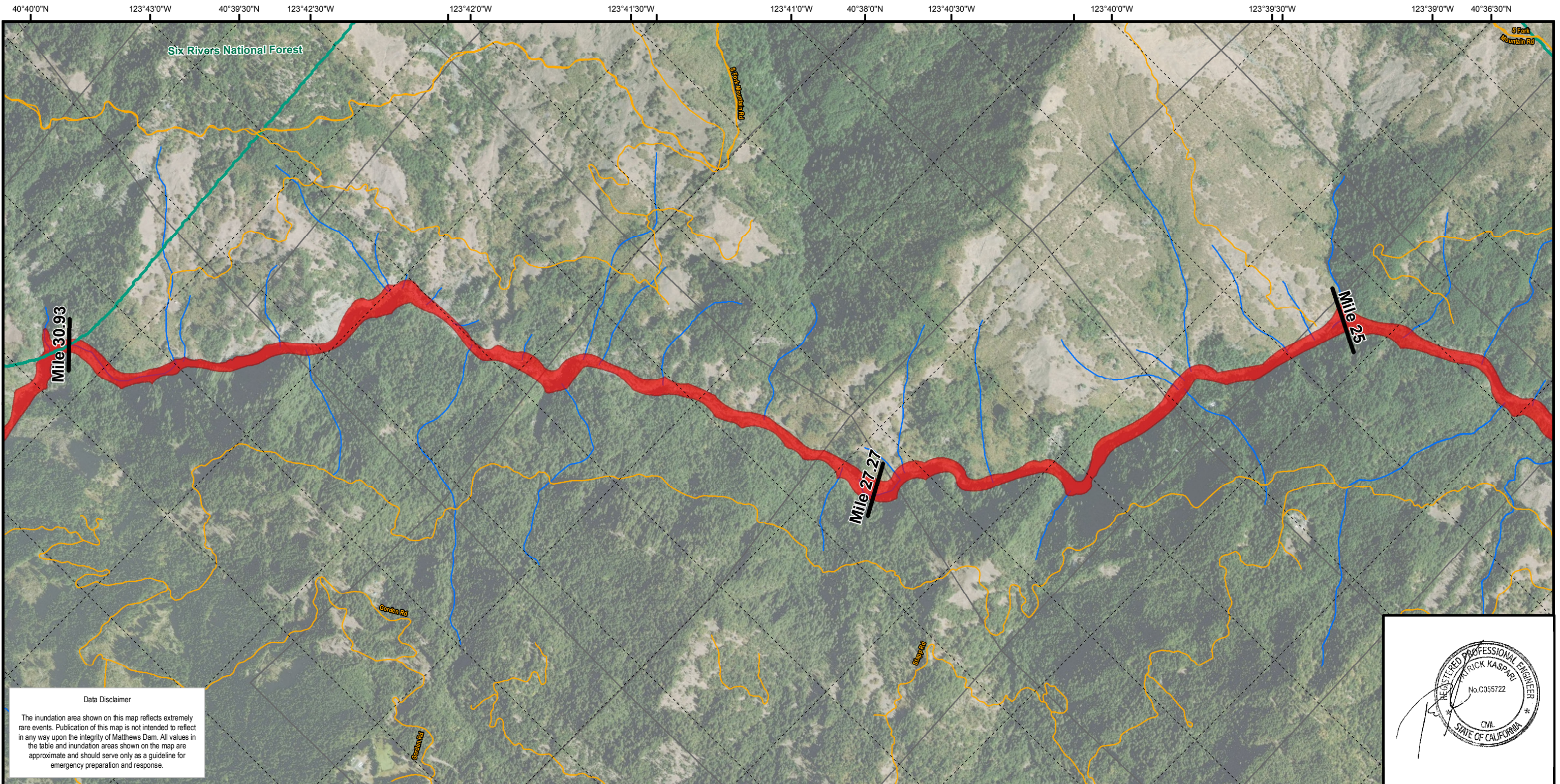
MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
17.20	2264 FT	105 FT		1 HR 30 MIN	2 HR 45 MIN	2231 FT	72 FT		1 HR 50 MIN	2 HR 30 MIN
18.75	2207 FT	101 FT		1 HR 40 MIN	3 HR 00 MIN	2172 FT	67 FT		2 HR 05 MIN	2 HR 40 MIN
23.26	2031 FT	81 FT	18 FT/S	2 HR 10 MIN	3 HR 30 MIN	2007 FT	56 FT	16 FT/S	2 HR 20 MIN	3 HR 05 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Vertical Datum: North American 1988
 Grid: NAD 1983 StatePlane California I FIPS 0401 Feet

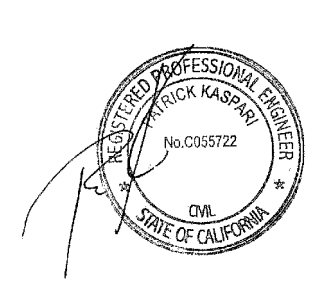


R. W. MATTHEWS DAM
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 Figure 2.4



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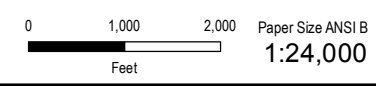
Legend

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Model Simulation Date: April 2001

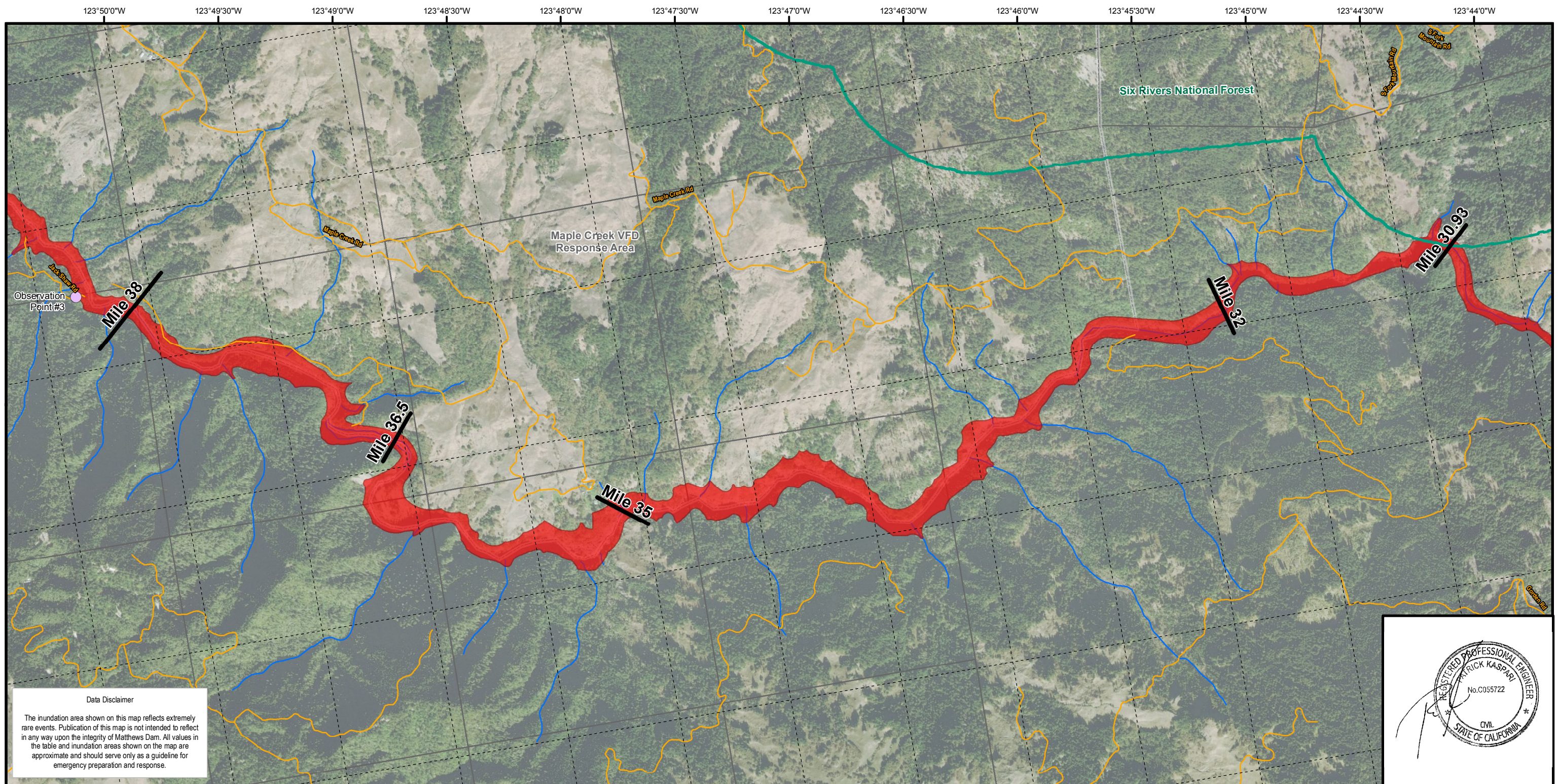
MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
25.00	1967 FT	77 FT		2 HR 20 MIN	3 HR 40 MIN	1943 FT	53 FT		2 HR 350 MIN	3 HR 15 MIN
27.27	1867 FT	53 FT		2 HR 25 MIN	3 HR 50 MIN	1851 FT	36 FT		2 HR 50 MIN	3 HR 25 MIN
30.93	1476 FT	61 FT		2 HR 35 MIN	3 HR 55 MIN	1457 FT	42 FT		3 HR 00 MIN	3 HR 35 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Vertical Datum: North American 1988
 Grid: NAD 1983 StatePlane California I FIPS 0401 Feet

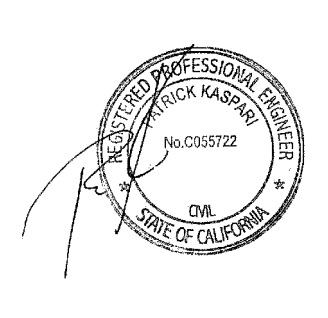


R. W. MATTHEWS DAM
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Project No. 11188935
 Revision No. -
 Date 7/3/2019
 Figure 2.5



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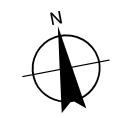
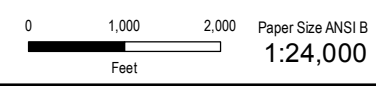


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Model Simulation Date: April 2001

MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
30.93	1476 FT	61 FT		2 HR 35 MIN	3 HR 55 MIN	1457 FT	42 FT		3 HR 00 MIN	3 HR 35 MIN
32.00	1309 FT	55 FT		2 HR 40 MIN	4 HR 00 MIN	1292 FT	38 FT		3 HR 05 MIN	3 HR 40 MIN
35.00	855 FT	55 FT	13 FT/S	2 HR 55 MIN	4 HR 15 MIN	837 FT	37 FT	13 FT/S	3 HR 200 MIN	3 HR 50 MIN
36.50	813 FT	75 FT		3 HR 00 MIN	4 HR 30 MIN	790 FT	52 FT		3 HR 30 MIN	4 HR 00 MIN
38.00	777 FT	85 FT		3 HR 05 MIN	4 HR 40 MIN	750 FT	58 FT		3 HR 40 MIN	4 HR 15 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Vertical Datum: North American 1988
 Grid: NAD 1983 StatePlane California I FIPS 0401 Feet

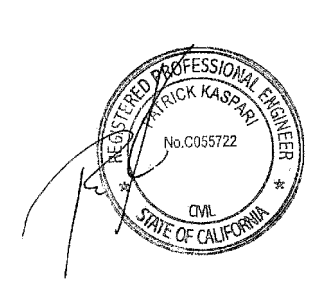


R. W. MATTHEWS DAM
DAM NUMBER: 1013.000
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 Figure 2.6



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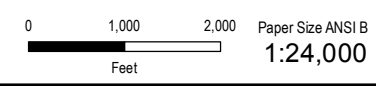
Legend

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Model Simulation Date: April 2001

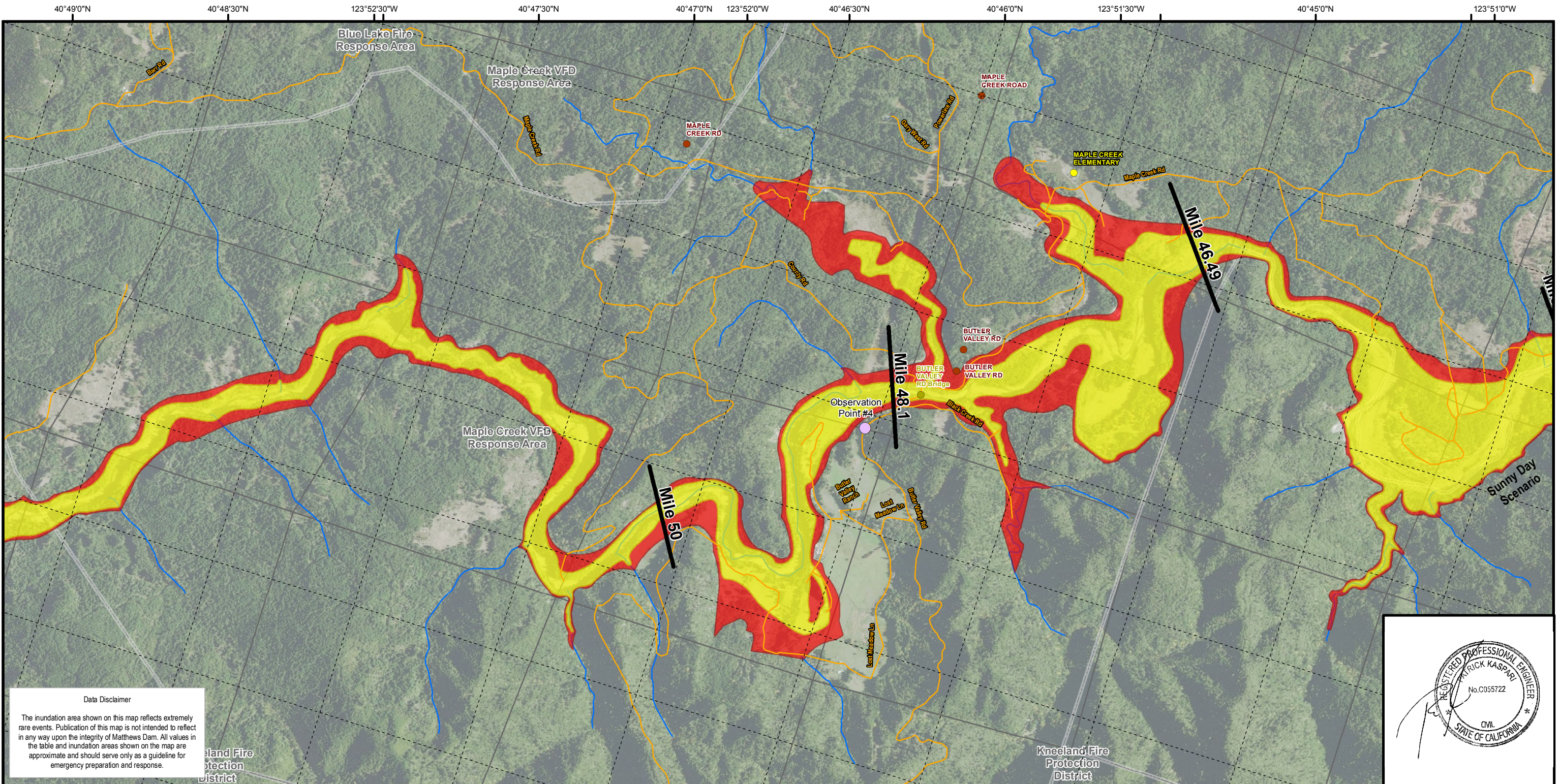
MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
38.00	777 FT	85 FT		3 HR 05 MIN	4 HR 40 MIN	750 FT	58 FT		3 HR 40 MIN	4 HR 15 MIN
40.00	715 FT	87 FT		3 HR 15 MIN	4 HR 50 MIN	689 FT	61 FT		3 HR 15 MIN	4 HR 30 MIN
44.00	528 FT	81 FT		3 HR 40 MIN	5 HR 05 MIN	501 FT	54 FT		4 HR 15 MIN	4 HR 50 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
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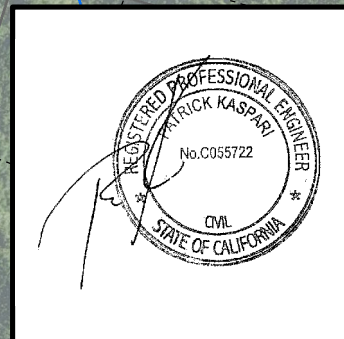


R. W. MATTHEWS DAM
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Project No. 11188935
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 Figure 2.7



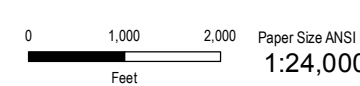
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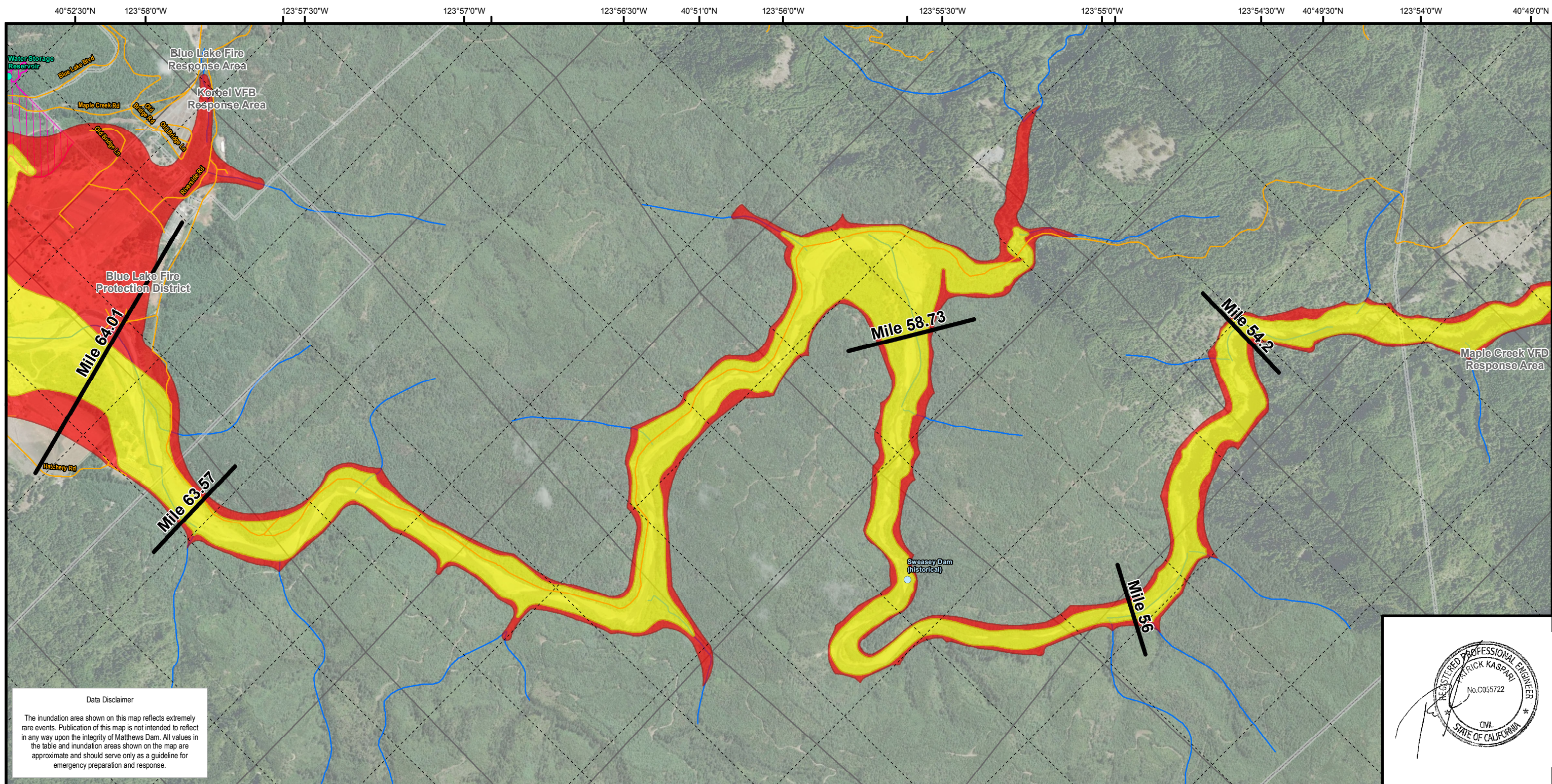
MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
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46.49	445 FT	63 FT	16 FT/S	3 HR 55 MIN	4 HR 40 MIN	418 FT	36 FT	14 FT/S	4 HR 35 MIN	5 HR 05 MIN
48.10	416 FT	109 FT	15 FT/S	4 HR 05 MIN	4 HR 50 MIN	377 FT	70 FT	14 FT/S	4 HR 45 MIN	5 HR 15 MIN
50.00	374 FT	97 FT		4 HR 05 MIN	5 HR 05 MIN	339 FT	62 FT		4 HR 55 MIN	5 HR 30 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
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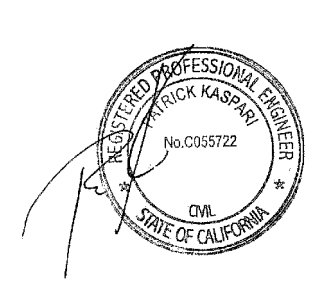


R. W. MATTHEWS DAM
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 Figure 2.8



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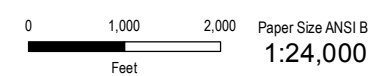


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Model Simulation Date: April 2001

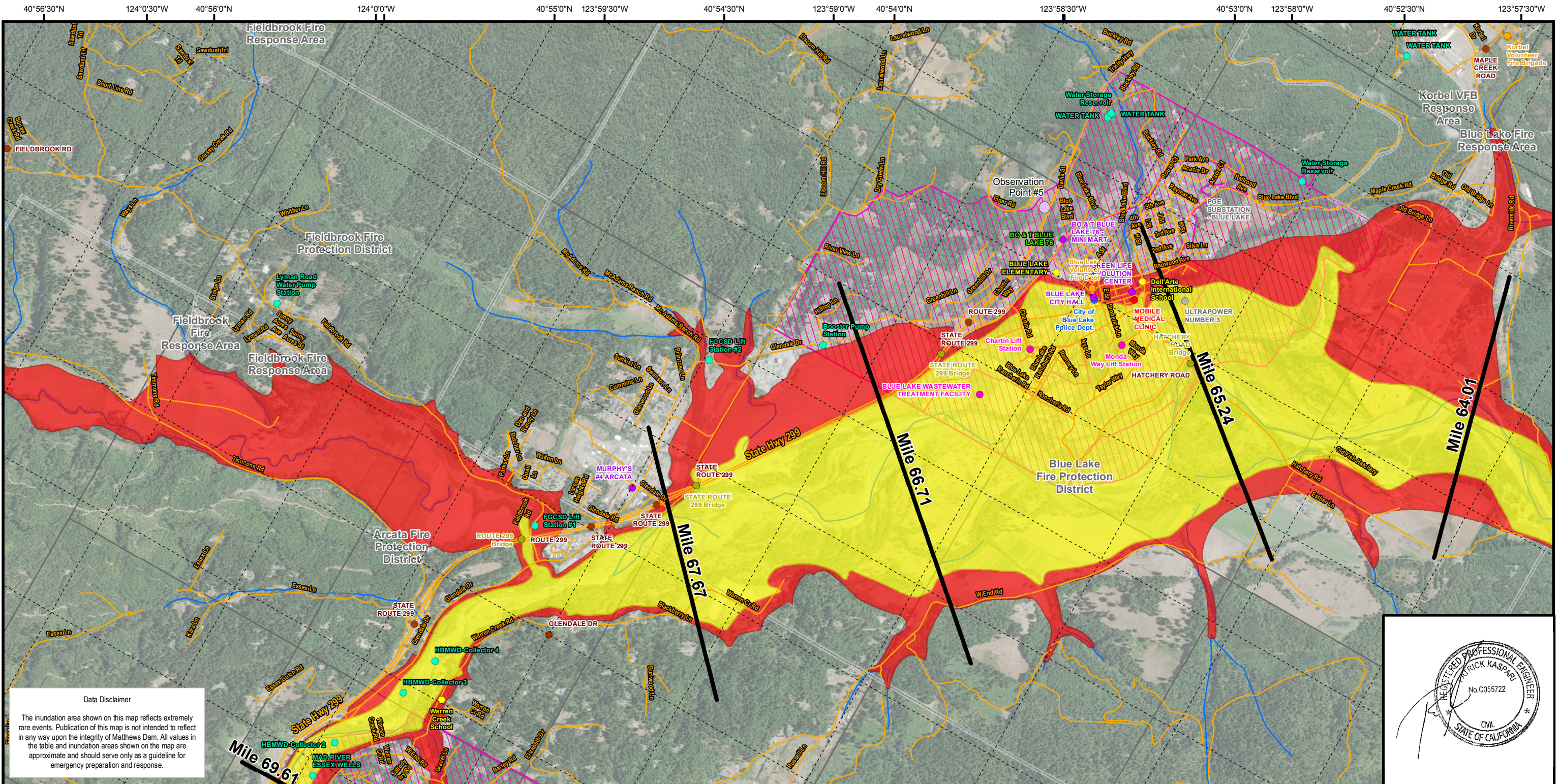
MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
54.50	282 FT	81 FT		4 HR 05 MIN	6 HR 15 MIN	252 FT	51 FT		5 HR 25 MIN	6 HR 05 MIN
56.00	254 FT	82 FT		4 HR 50 MIN	6 HR 25 MIN	225 FT	52 FT		5 HR 40 MIN	6 HR 15 MIN
58.73	211 FT	92 FT		5 HR 00 MIN	6 HR 45 MIN	176 FT	57 FT		6 HR 00 MIN	6 HR 40 MIN
63.57	134 FT	44 FT	13 FT/S	5 HR 15 MIN	7 HR 15 MIN	120 FT	30 FT	8 FT/S	6 HR 45 MIN	7 HR 45 MIN
64.01	120 FT	45 FT		5 HR 25 MIN	7 HR 20 MIN	107 FT	32 FT		6 HR 50 MIN	7 HR 50 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Vertical Datum: North American 1988
 Grid: NAD 1983 StatePlane California I FIPS 0401 Feet

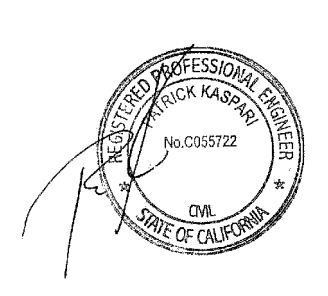


R. W. MATTHEWS DAM
DAM NUMBER: 1013.000
NATIONAL ID No.: CA00833
TRINITY COUNTY
RUTH LAKE, CA

Project No. 11188935
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Figure 2.9



Data Disclaimer
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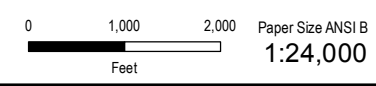
Legend

- Inundation Model for Sunny Day & Critical Appurtenant Structure (CAS) Failure Scenarios
- Inundation Model for Record Flood Scenario
- Response Districts
- USGS Public Land Survey
- City Boundary
- Roads
- Streams
- Observation Points
- Bridges
- Communication Facilities
- Dams
- Electric Power Facilities
- EOC Facilities
- Fire Station Facilities
- Hazardous Materials
- Highway Bridges
- Medical Care Facilities
- Police Station Facilities
- Potable Water Facilities
- School Facilities
- Waste Water Facilities
- Shelters
- Airport Facilities

Model Simulation Date: April 2001

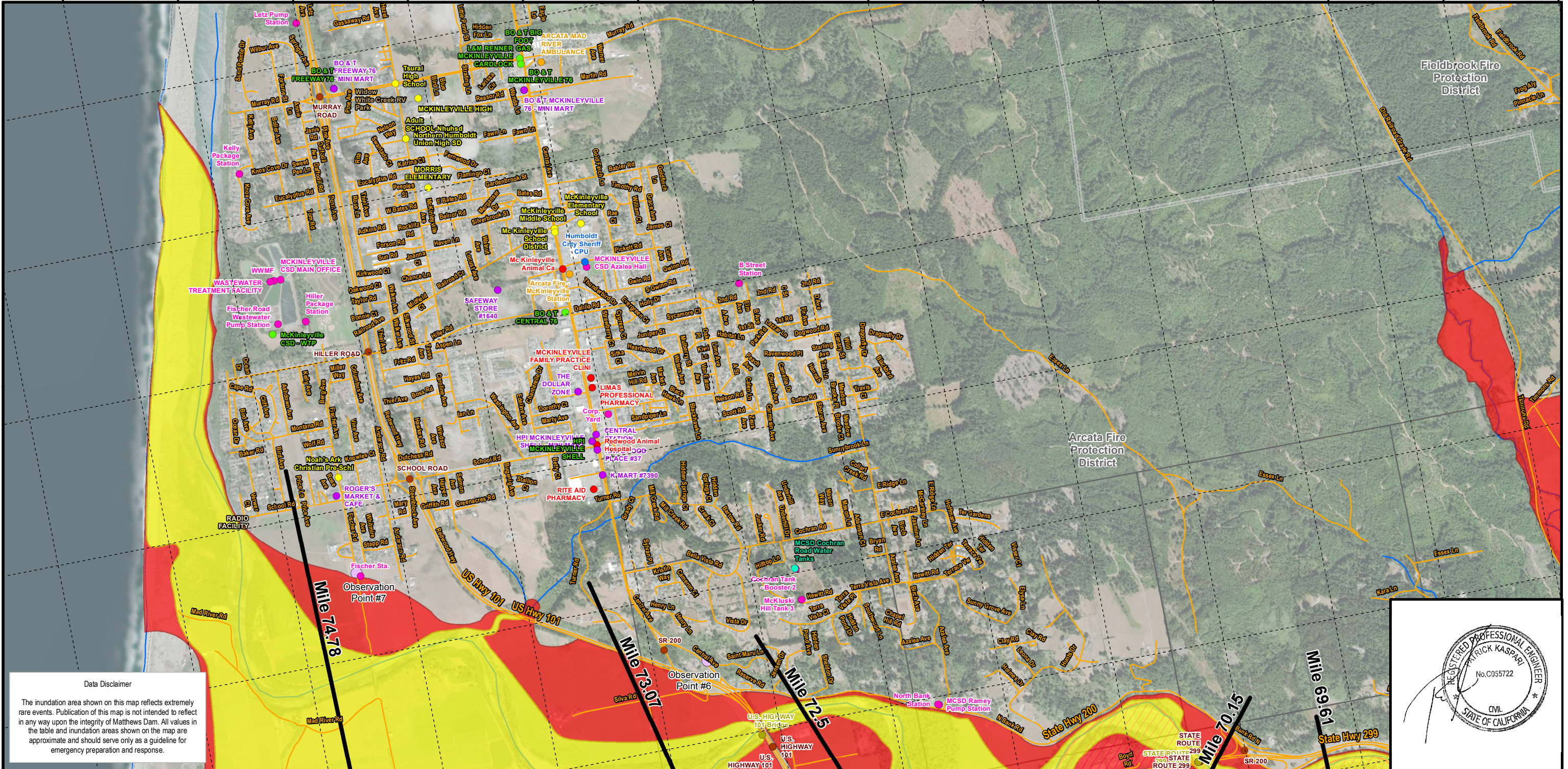
MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
64.01	120 FT	45 FT		5 HR 25 MIN	6 HR 15 MIN	107 FT	32 FT		6 HR 50 MIN	7 HR 50 MIN
65.24	96 FT	24 FT	5 FT/S	5 HR 30 MIN	6 HR 25 MIN	90 FT	16 FT	4 FT/S	7 HR 30 MIN	8 HR 15 MIN
66.71	83 FT	26 FT		5 HR 55 MIN	6 HR 45 MIN	72 FT	15 FT		8 HR 05 MIN	8 HR 50 MIN
67.67	80 FT	33 FT		6 HR 10 MIN	7 HR 15 MIN	67 FT	21 FT		8 HR 35 MIN	9 HR 55 MIN
69.61	66 FT	46 FT		6 HR 35 MIN	7 HR 20 MIN	46 FT	26 FT		9 HR 20 MIN	11 HR 15 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Vertical Datum: North American 1988
 Grid: NAD 1983 StatePlane California I FIPS 0401 Feet

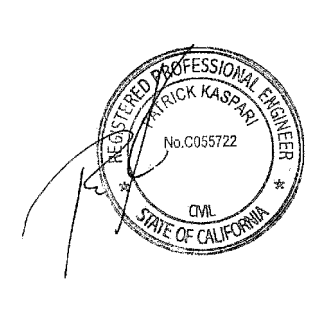


R. W. MATTHEWS DAM
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TRINITY COUNTY
RUTH LAKE, CA

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 Figure 2.10



Data Disclaimer
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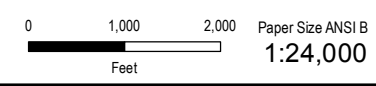
Legend

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- Police Station Facilities
- Potable Water Facilities
- School Facilities
- Waste Water Facilities
- Shelters
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Model Simulation Date: April 2001

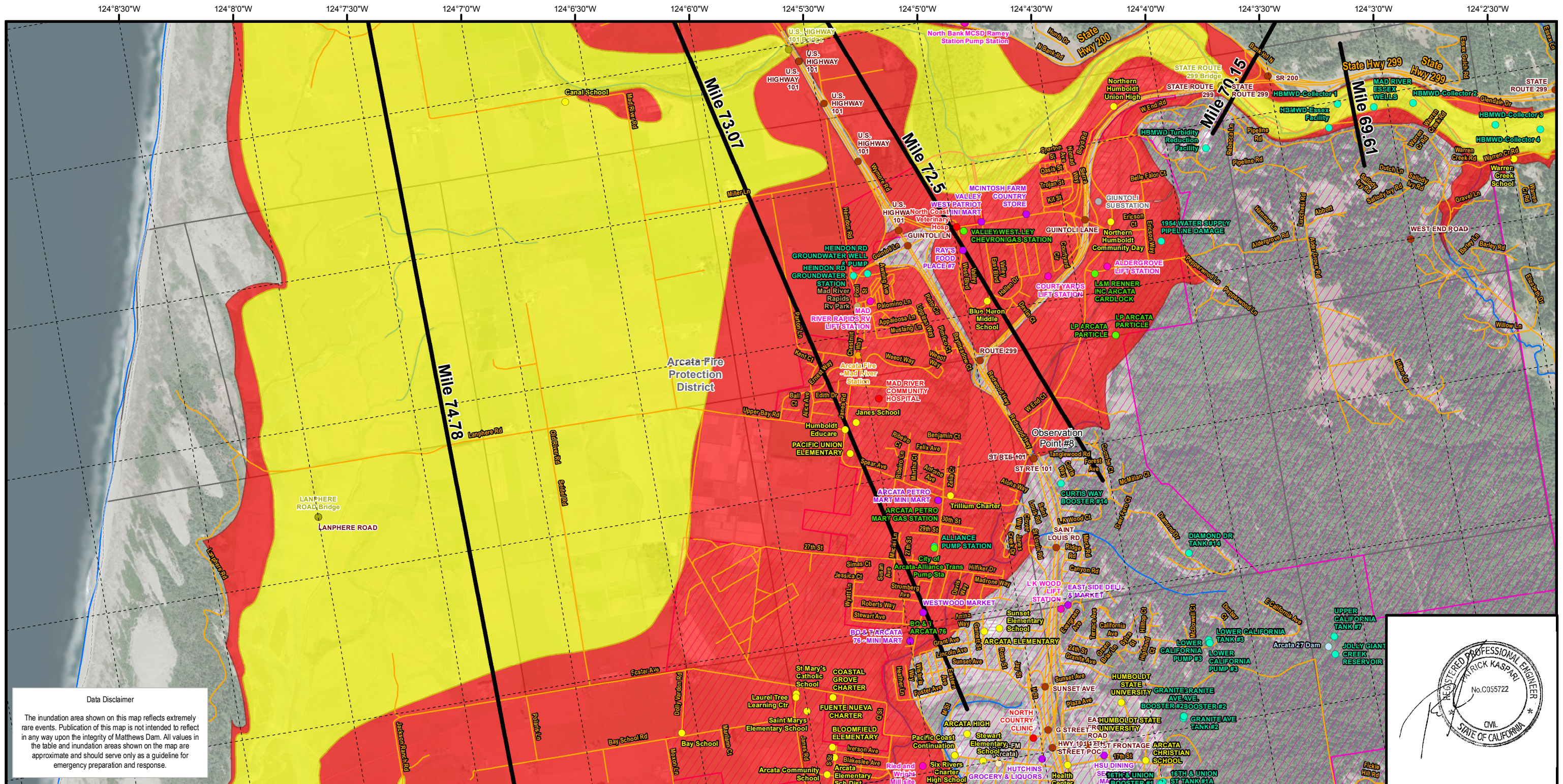
MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
69.61	66 FT	46 FT		6 HR 35 MIN	10 HR 05 MIN	46 FT	26 FT		9 HR 20 MIN	11 HR 15 MIN
70.15	63 FT	49 FT	13 FT/S	6 HR 40 MIN	10 HR 10 MIN	43 FT	29 FT	8 FT/S	9 HR 40 MIN	11 HR 30 MIN
72.50	34 FT	30 FT		7 HR 05 MIN	11 HR 00 MIN	27 FT	23 FT		10 HR 00 MIN	13 HR 20 MIN
73.07	30 FT	28 FT		7 HR 15 MIN	11 HR 15 MIN	24 FT	22 FT		10 HR 05 MIN	13 HR 40 MIN
74.78	10 FT	8.5 FT		8 HR 00 MIN	15 HR 00 MIN	10 FT	8.5 FT		10 HR 30 MIN	15 HR 50 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Vertical Datum: North American 1988
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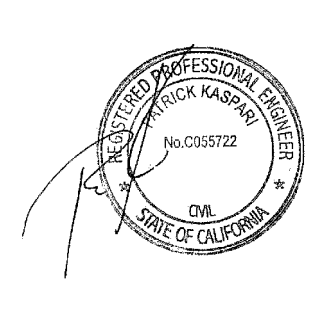
R. W. MATTHEWS DAM
 DAM NUMBER: 1013.000
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 TRINITY COUNTY
 RUTH LAKE, CA

Project No. 11188935
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 Figure 2.11



Data Disclaimer

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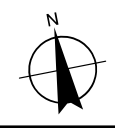
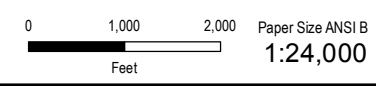
Legend

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Model Simulation Date: April 2001

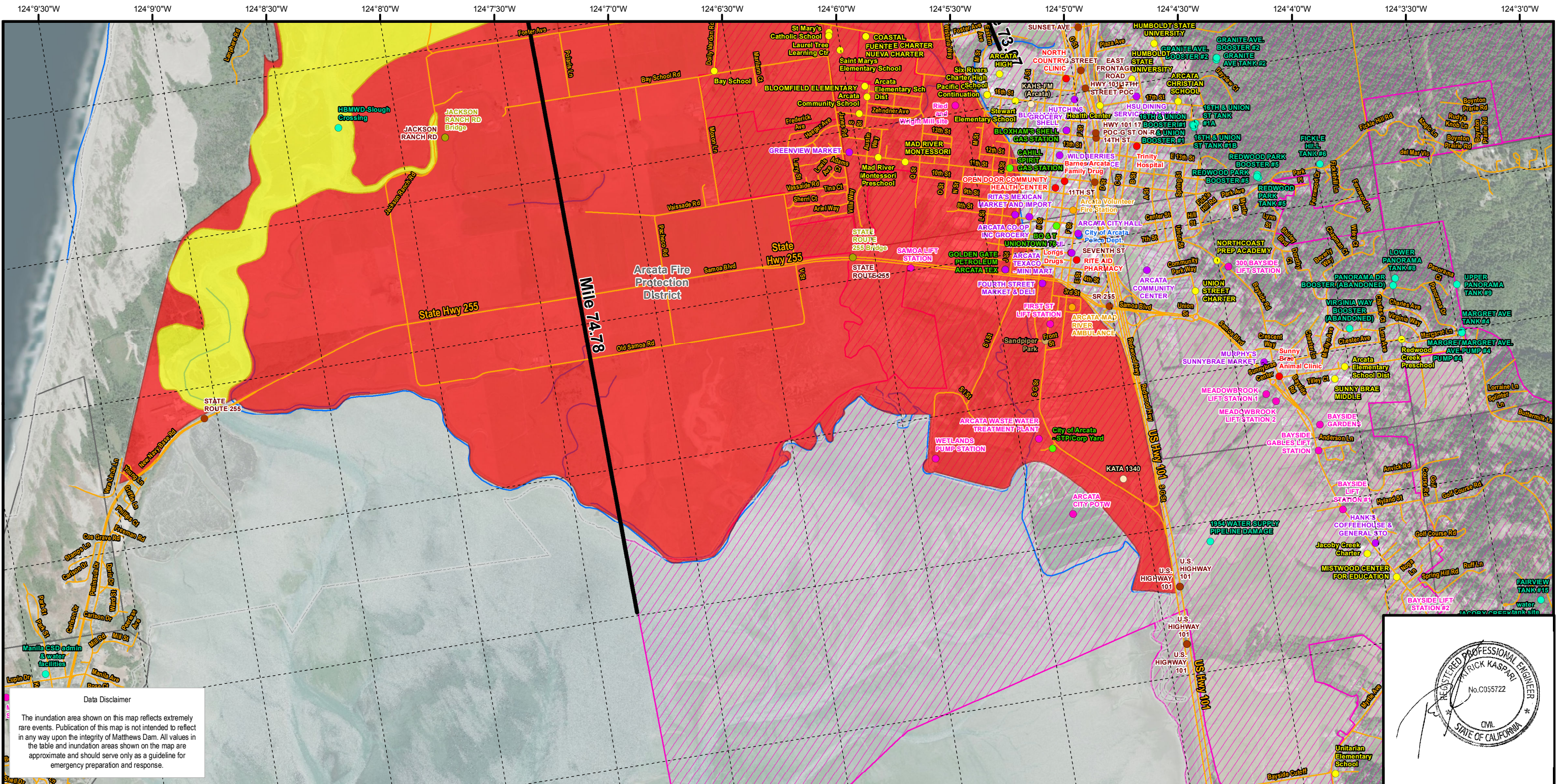
MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
69.61	66 FT	46 FT		6 HR 35 MIN	10 HR 05 MIN	46 FT	26 FT		9 HR 20 MIN	11 HR 15 MIN
70.15	63 FT	49 FT	13 FT/S	6 HR 40 MIN	10 HR 10 MIN	43 FT	29 FT	8 FT/S	9 HR 40 MIN	11 HR 30 MIN
72.50	34 FT	30 FT		7 HR 05 MIN	11 HR 00 MIN	27 FT	23 FT		10 HR 00 MIN	13 HR 20 MIN
73.07	30 FT	28 FT		7 HR 15 MIN	11 HR 15 MIN	24 FT	22 FT		10 HR 05 MIN	13 HR 40 MIN
74.78	10 FT	8.5 FT		8 HR 00 MIN	15 HR 00 MIN	10 FT	8.5 FT		10 HR 30 MIN	15 HR 50 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Vertical Datum: North American 1988
 Grid: NAD 1983 StatePlane California I FIPS 0401 Feet

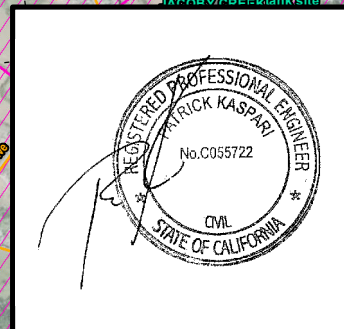


R. W. MATTHEWS DAM
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 Figure 2.12



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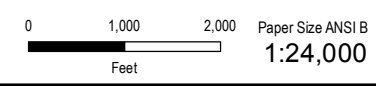
Legend

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Model Simulation Date: April 2001

MILES FROM MATTHEWS DAM	SUMMARY DATA - RECORD FLOOD					SUMMARY DATA - SUNNY DAY / CRITICAL APPURTENANT STRUCTURE (CAS)				
	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW	MAX. WATER SURFACE ELEV.	MAX. MAIN CHANNEL WATER DEPTH	MAX. MAIN CHANNEL VELOCITY	ARRIVAL TIME OF LEADING EDGE	ARRIVAL TIME OF PEAK FLOW
74.78	10 FT	8.5 FT		8 HR 00 MIN	15 HR 00 MIN	10 FT	8.5 FT		10 HR 30 MIN	15 HR 50 MIN

Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
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 Figure 2.13