

FLOOD INSURANCE STUDY



SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS

VOLUME 2 OF 7

Community Name	Community Number
CARLSBAD, CITY OF	060285
CHULA VISTA, CITY OF	065021
CORONADO, CITY OF	060287
DEL MAR, CITY OF	060288
EL CAJON, CITY OF	060289
ENCINITAS, CITY OF	060726
ESCONDIDO, CITY OF	060290
IMPERIAL BEACH, CITY OF	060291
LA MESA, CITY OF	060292
LEMON GROVE, CITY OF	060723
NATIONAL CITY, CITY OF	060293
OCEANSIDE, CITY OF	060294
POWAY, CITY OF	060702
SAN DIEGO, CITY OF	060295
SAN DIEGO COUNTY UNINCORPORATED AREAS	060284
SAN MARCOS, CITY OF	060296
SANTEE, CITY OF	060703
SOLANA BEACH, CITY OF	060725
VISTA, CITY OF	060297



REVISED:
SEPTEMBER 29, 2006



Federal Emergency Management Agency
FLOOD INSURANCE STUDY NUMBER
06073CV002B

NOTICE TO
FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

This publication incorporates revisions to the original Flood Insurance Study. These revisions are presented in Section 10.0.

Due to the large file size only the information relevant to the City of Oceanside has been provided here. For complete copy of this document please contact the City of Oceanside Engineering Division or FEMA.

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Flood Insurance Rate Map

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION				
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY		WITH FLOODWAY	INCREASE
						(FEET NGVD)			
Buena Vista Creek									
A	8,678	133	1,267	6.7	29.1	29.1	29.2	0.1	
B	9,469	140	1,173	7.2	31.3	31.3	31.3	0.0	
C	10,054	74	542	15.5	32.7	32.7	32.7	0.0	
D	10,348	226	2,940	2.9	39.7	39.7	40.1	0.4	
E	10,884	468	3,904	2.2	39.8	39.8	40.3	0.5	
F	11,550	434	3,137	2.6	39.9	39.9	40.7	0.8	
G	12,248	549	1,860	4.3	40.7	40.7	41.5	0.8	
H	12,788	356	1,502	5.3	43.1	43.1	43.8	0.7	
I	13,541	313	1,286	6.2	49.6	49.6	50.0	0.4	
J	14,543	341	1,074	7.4	56.9	56.9	57.8	0.9	
K	15,287	215	887	9.0	66.7	66.7	66.9	0.2	
L	16,002	280	1,234	6.5	73.4	73.4	74.3	0.9	
M	16,150	385	2,121	3.8	78.1	78.1	79.0	0.9	
N	17,040	189	1,016	7.9	89.2	89.2	89.7	0.5	
O	17,526	260	717	11.2	101.6	101.6	101.7	0.1	
P	17,908	128	588	13.6	146.4	146.4	147.1	0.7	
Q	18,347	131	794	10.1	161.0	161.0	161.0	0.0	
R	18,739	270	1,508	5.3	164.0	164.0	164.0	0.0	
S	19,300	133	1,512	5.3	174.5	174.5	174.5	0.0	
T	20,135	239	1,776	4.5	175.9	175.9	176.5	0.6	
U	20,642	155	1,007	7.9	177.7	177.7	177.7	0.0	
V	21,042	151	741	10.8	180.5	180.5	180.5	0.0	
W	21,531	125	636	12.6	186.2	186.2	186.2	0.0	
X	21,916	58	483	16.6	192.1	192.1	192.1	0.0	
Y	22,284	136	687	11.6	194.9	194.9	194.9	0.0	
Z	22,784	136	714	11.2	197.8	197.8	197.8	0.0	

¹Feet Above Mouth

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FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

BUENA VISTA CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Buena Vista Creek (Cont'd)								
AA	23,281	91	842	9.5	202.9	202.9	202.9	0.0
AB	23,528	112	1,006	8.0	204.7	204.7	204.7	0.0
AC	24,095	101	908	8.8	207.4	207.4	207.4	0.0
AD	24,596	71	648	12.4	211.2	211.2	211.2	0.0
AE	25,085	239	904	8.9	218.2	218.2	218.2	0.0
AF	25,323	228	999	8.0	219.9	219.9	220.3	0.4
AG	25,527	142	712	11.2	221.2	221.2	221.9	0.7
AH	25,684	161	1,342	6.0	224.0	224.0	224.2	0.2
AI	25,833	228	854	9.4	227.4	227.4	227.4	0.0
AJ	26,387	264	927	8.6	238.3	238.3	238.3	0.0
AK	26,577	405	2,244	3.6	239.1	239.1	239.1	0.0
AL	26,822	462	2,667	2.9	240.8	240.8	240.9	0.1
AM	27,321	235	1,033	7.6	241.4	241.4	241.8	0.4
AN	27,823	233	861	9.1	244.9	244.9	245.4	0.5
AO	28,067	192	735	10.6	250.5	250.5	250.5	0.0
AP	28,315	238	843	9.3	254.1	254.1	254.1	0.0
AQ	28,808	172	712	11.0	259.7	259.7	259.7	0.0
AR	29,823	94	565	13.8	271.5	271.5	271.5	0.0
AS	30,061	152	1,060	7.4	275.7	275.7	275.8	0.1
AT	30,683	119	747	10.4	280.9	280.9	281.1	0.2
AU	31,100	168	989	7.9	283.7	283.7	284.5	0.8
AV	31,250	118	781	10.0	285.1	285.1	285.1	0.0
AW	31,415	161	1,465	5.3	289.2	289.2	289.2	0.0
AX	32,162	160	737	9.9	293.7	293.7	293.7	0.0
AY	32,570	60	771	9.5	296.3	296.3	296.7	0.4
AZ	32,900	209	1,583	4.6	298.9	298.9	298.9	0.0

¹Feet Above Mouth

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FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CA
 AND INCORPORATED AREAS

FLOODWAY DATA

BUENA VISTA CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY		INCREASE
						WITH FLOODWAY		
(FEET NGVD)								
Buena Vista Creek (Cont'd)								
BA	33,420	113	858	6.0	299.7	299.7	299.7	0.0
BB	34,028	144	708	7.2	301.5	301.5	302.0	0.5
BC	34,296	277	1,596	3.3	305.1	305.1	305.8	0.7
BD	34,715	142	1,044	4.9	305.4	305.4	306.2	0.8
BE	35,405	146	1,148	4.6	311.2	311.2	312.0	0.8
BF	36,291	214	1,425	5.1	311.8	311.8	312.5	0.7
BG	41,152	125	418	6.1	345.1	345.1	345.1	0.0
BH	41,465	140	374	8.5	349.3	349.3	349.3	0.0
BI	41,705	42	212	10.9	349.7	349.7	349.7	0.0
BJ	41,988	50	200	11.5	353.8	353.8	353.8	0.0
BK	42,268	40	184	12.5	357.8	357.8	357.8	0.0
BL	42,588	65	227	11.3	367.8	367.8	367.9	0.1
BM	42,689	30	169	13.6	369.2	369.2	369.2	0.0
BN	42,819	53	253	9.1	372.0	372.0	372.0	0.0
BO	43,048	35	178	13.0	373.4	373.4	373.4	0.0
BP	43,438	178	317	8.6	384.7	384.7	384.7	0.0

¹Feet Above Mouth

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CA
 AND INCORPORATED AREAS

FLOODWAY DATA

BUENA VISTA CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION				
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY		WITH FLOODWAY	INCREASE
						(FEET NGVD)			
Buena Vista Creek Tributary 1									
A	48	75	318	3.6	414.0	414.0	414.0	0.0	0.0
B	696	143	197	7.6	422.4	422.4	422.4	0.0	0.0
C	1,590	90	172	7.1	433.0	433.0	433.0	0.0	0.0
D	2,048	161	682	1.6	439.1	439.1	440.0	0.9	0.9
E	2,205	261	204	6.8	440.1	440.1	440.1	0.0	0.0
F	2,889	95	193	7.0	452.1	452.1	452.2	0.1	0.1
G	3,056	83	135	7.5	454.4	454.4	454.4	0.0	0.0
H	3,350	107	152	6.6	461.3	461.3	461.3	0.0	0.0
I	3,652	121	153	7.5	468.0	468.0	468.0	0.0	0.0
J	3,882	93	116	7.1	476.8	476.8	476.8	0.0	0.0

¹Feet Above Headwall Culvert at Monte Vista Drive and South Santa Fe Avenue

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FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS

FLOODWAY DATA

BUENA VISTA CREEK TRIBUTARY 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Garrison Creek								
A	660	21	186	6.1	68.1	68.1	68.9	0.8
B	740	66	290	3.9	68.7	68.7	69.3	0.6
C	919	103	379	3.0	69.4	69.4	70.2	0.8
D	1,313	27	143	7.9	72.7	72.7	72.7	0.0
E	1,638	28	154	7.3	77.0	77.0	77.0	0.0
F	1,991	108	184	6.1	78.9	78.9	78.9	0.0
G	2,113	89	477	2.4	80.1	80.1	80.1	0.0
H	2,780	38	348	3.3	89.8	89.8	89.8	0.0
I	3,311	38	179	6.3	93.8	93.8	93.9	0.1
J	3,631	125	873	1.3	100.0	100.0	100.0	0.0
K	4,393	220	202	5.0	102.7	102.7	102.8	0.1
L	5,138	149	244	4.1	111.9	111.9	112.2	0.3
M	5,617	164	600	1.7	119.4	119.4	119.7	0.3
N	5,822	51	181	5.5	119.5	119.5	119.7	0.2
O	6,166	163	590	1.7	126.1	126.1	126.4	0.3
P	6,421	271	219	4.6	127.2	127.2	127.3	0.1
Q	6,876	99	148	6.8	132.8	132.8	132.9	0.1

¹Feet Above Mouth

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FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

GARRISON CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WATER SURFACE ELEVATION (FEET NGVD)		INCREASE
						WITHOUT FLOODWAY	WITH FLOODWAY	
Loma Alta Creek								
A	0	300	1,297	2.9	12.0	12.0	13.0	1.0
B	440	400	2,605	1.5	12.5	12.5	13.4	0.9
C	520	350	2,174	1.7	12.5	12.5	13.4	0.9
D	1,260	300	1,794	2.1	12.6	12.6	13.6	1.0
E	1,370	300	1,917	2.0	12.8	12.8	13.7	0.9
F	1,930	130	634	6.0	12.8	12.8	13.7	0.9
G	2,300	222	639	5.9	13.3	13.3	13.9	0.6
H	3,155	334	922	4.1	15.7	15.7	16.1	0.4
I	3,200	341	1,073	3.5	16.0	16.0	16.3	0.3
J	3,865	337	946	4.0	16.6	16.6	16.8	0.2
K	4,150	565	1,380	2.8	17.0	17.0	17.2	0.2
L	4,595	696	1,009	3.8	19.9	19.9	19.9	0.0
M	4,610	696	1,353	2.8	20.5	20.5	20.5	0.0
N	4,845	675	908	4.2	21.1	21.1	21.1	0.0
O	5,160	708	3,109	1.2	22.0	22.0	22.0	0.0
P	5,420	755 ²	648	5.9	22.7	22.7	22.7	0.0
Q	5,537	770 ²	566	6.7	23.3	23.3	23.3	0.0
R	6,275	800	1,562	2.4	25.8	25.8	26.2	0.4
S	6,325	800	1,702	2.2	25.9	25.9	26.3	0.4
T	6,775	543 ²	976	3.9	26.2	26.2	26.8	0.6
U	7,520	125	441	8.6	29.2	29.2	30.2	1.0
V	8,090	463	1,599	2.4	31.8	31.8	32.6	0.8
W	8,140	495	1,177	3.2	31.9	31.9	32.6	0.7
X	8,180	537 ²	511	7.4	33.5	33.5	33.5	0.0
Y	8,520	306 ²	798	4.8	36.6	36.6	37.1	0.5
Z	8,620	240	918	4.1	38.0	38.0	38.0	0.0

¹Feet Above Pacific Street

²Width Includes Islands

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

LOMA ALTA CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY	INCREASE
Loma Alta Creek (Cont'd)								
AA	8,825	159	518	7.3	38.2	38.2	38.5	0.3
AB	9,443	414	1,179	3.2	40.2	40.2	41.2	1.0
AC	10,160	314	626	6.1	44.5	44.5	44.5	0.0
AD	10,960	140	618	6.1	49.2	49.2	49.5	0.3
AE	11,465	112	457	8.3	51.7	51.7	52.1	0.4
AF	11,970	288	747	5.1	55.5	55.5	55.9	0.4
AG	12,500	319	832	4.3	57.6	57.6	57.9	0.3
AH	12,810	285	546	7.0	59.4	59.4	60.2	0.8
AI	13,300	277	939	4.0	62.5	62.5	63.3	0.8
AJ	13,830	224	827	2.7	63.9	63.9	64.4	0.5
AK	14,460	60	213	10.3	66.5	66.5	66.8	0.3
AL	15,120	246	578	3.8	72.5	72.5	73.0	0.5
AM	15,510	110	255	8.6	75.7	75.7	76.2	0.5
AN	15,690	279	528	4.2	79.6	79.6	80.1	0.5
AO	16,050	84	265	8.3	82.3	82.3	82.3	0.0
AP	16,742	68	230	9.6	89.9	89.9	90.5	0.6
AQ	17,175	54	221	10.0	95.3	95.3	96.3	1.0
AR	17,740	268 ²	378	5.8	102.6	102.6	102.9	0.3
AS	17,780	327 ²	338	6.5	104.7	104.7	104.8	0.1
AT	17,835	267	957	2.3	105.5	105.5	105.5	0.0
AU	17,995	140 ²	700	3.2	108.2	108.2	108.2	0.0
AV	18,075	138 ²	699	3.1	110.7	110.7	110.7	0.0
AW	18,540	84	231	9.5	111.0	111.0	111.0	0.0
AX	18,610	49	194	11.4	112.3	112.3	112.4	0.1
AY	18,780	161 ²	473	4.7	114.7	114.7	115.7	1.0
AZ	18,960	172 ²	291	7.6	116.4	116.4	116.5	0.1

¹Feet Above Pacific Street

²Width Includes Islands

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FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

LOMA ALTA CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION				
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY		WITH FLOODWAY	INCREASE
						(FEET NGVD)			
Loma Alta Creek (Cont'd)									
BA	19,345	74	230	9.6	120.3	120.3	120.7	0.4	
BB	19,438	68	213	10.3	121.1	121.1	121.8	0.7	
BC	19,577	55	202	10.9	123.5	123.5	124.2	0.7	
BD	19,635	62	218	10.1	125.9	125.9	126.7	0.8	
BE	20,140	127	402	5.5	130.6	130.6	131.2	0.6	
BF	20,202	89	235	9.4	131.1	131.1	131.2	0.1	
BG	20,445	96	299	7.4	134.4	134.4	134.4	0.0	
BH	21,090	62	239	9.2	139.8	139.8	140.5	0.7	
BI	21,680	77	253	8.7	145.1	145.1	145.3	0.2	
BJ	22,000	297	730	2.3	146.7	146.7	147.5	0.8	
BK	22,660	210	263	6.5	149.9	149.9	149.9	0.0	
BL	23,440	131	314	5.4	157.1	157.1	157.9	0.8	
BM	24,140	211	300	5.7	164.0	164.0	164.0	0.0	
BN	24,590	96	303	5.6	167.2	167.2	167.6	0.4	
BO	24,840	200	314	5.4	169.2	169.2	169.5	0.3	
BP	25,370	259	333	5.1	175.8	175.8	175.8	0.0	
BQ	25,510	85	196	8.7	177.5	177.5	178.1	0.6	
BR	25,910	108	312	5.5	181.5	181.5	182.5	1.0	
BS	26,642	79	190	8.9	191.0	191.0	191.0	0.0	
BT	27,280	66	209	8.1	199.3	199.3	199.8	0.5	
BU	27,370	146	303	5.6	200.6	200.6	201.0	0.4	
BV	28,020	100	199	8.5	207.9	207.9	208.4	0.5	
BW	28,990	209	328	5.2	217.9	217.9	218.9	1.0	
BX	29,525	80	196	8.7	224.6	224.6	225.4	0.8	
BY	29,955	54	212	8.0	228.8	228.8	229.8	1.0	
BZ	30,060	151	569	3.0	230.9	230.9	231.9	1.0	

¹Feet Above Pacific Street

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

LOMA ALTA CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION				
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY		WITH FLOODWAY	INCREASE
						(FEET NGVD)			
Loma Alta Creek (Cont'd)									
CA	30,490	280	283	6.0	234.3	234.3	234.4	0.1	
CB	31,375	71	186	9.1	247.4	247.4	248.2	0.8	
CC	31,825	149	297	5.7	253.1	253.1	253.9	0.8	
CD	32,270	380	467	3.6	257.5	257.5	257.5	0.0	
CE	32,665	138	280	6.1	260.6	260.6	260.6	0.0	
CF	33,305	99	205	8.3	270.3	270.3	271.2	0.9	
CG	34,151	50	174	9.8	282.8	282.8	283.5	0.7	
CH	34,680	103	208	8.2	291.2	291.2	291.2	0.0	
CI	35,275	132	266	6.4	300.3	300.3	300.4	0.1	
CJ	35,820	118	219	7.8	307.9	307.9	308.2	0.3	
CK	36,270	121	300	5.7	313.4	313.4	313.6	0.2	
CL	36,910	81	192	8.9	326.9	326.9	326.9	0.0	

¹Feet Above Pacific Street

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CA
 AND INCORPORATED AREAS

FLOODWAY DATA

LOMA ALTA CREEK

Pilgrim Creek data has been updated. Please see [Pilgrim Creek Letter of Map Revision \(LOMR\) Approved](#)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WATER SURFACE ELEVATION (FEET NGVD)		INCREASE
						WITHOUT FLOODWAY	WITH FLOODWAY	
Pilgrim Creek								
A	1,260	53	414	6.8	52.0	52.0	52.3	0.3
B	1,861	40	391	7.2	52.9	52.9	53.3	0.4
C	2,155	45	461	6.1	54.3	54.3	54.7	0.4
D	2,560	59	503	4.0	54.8	54.8	55.2	0.4
E	2,773	41	457	4.4	55.5	55.5	55.9	0.4
F	3,205	57	512	3.9	55.6	55.6	56.0	0.4
G	3,505	53	451	4.5	55.7	55.7	56.1	0.4
H	3,905	56	460	4.4	56.0	56.0	56.4	0.4
I	4,368	58	533	3.8	56.4	56.4	56.8	0.4
J	4,845	53	551	3.7	56.7	56.7	57.0	0.3
K	5,145	45	495	4.1	56.8	56.8	57.2	0.4
L	5,520	45	513	3.9	57.0	57.0	57.8	0.8
M	5,910	106	742	2.7	57.2	57.2	58.2	1.0

¹Feet Above Confluence With San Luis Rey River

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FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA
(SAN DIEGO CO.)

FLOODWAY DATA

PILGRIM CREEK

Cross sections "A" through "Z" of San Luis Rey River are within the City of Oceanside and can be located on the FEMA Flood Insurance Rate Maps, 06073C0751F, 06073C0752F, 06073C0753F, 06073C0754F, and 06073C0756F, dated 1997.

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION				
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY		WITH FLOODWAY	INCREASE
						(FEET NGVD)			
San Luis Rey River (Above Oceanside)									
A	0	569	6,634	7.24	133.9	133.9	134.9	1.0	
B	639	393	5,875	8.17	138.0	138.0	138.9	0.9	
C	899	455	8,118	5.91	140.9	140.9	141.9	1.0	
D	1,159	438	8,768	5.47	141.9	141.9	142.8	0.9	
E	1,306	494	9,242	5.19	142.3	142.3	143.2	0.9	
F	1,598	548	9,190	5.22	143.3	143.3	144.2	0.9	
G	2,130	674	10,581	4.54	144.3	144.3	145.2	0.9	
H	2,724	758	10,440	4.60	145.8	145.8	146.8	1.0	
I	2,893	752	11,608	4.14	146.4	146.4	147.4	1.0	
J	3,303	830	12,736	3.77	147.4	147.4	148.4	1.0	
K	3,745	904	14,698	3.27	148.2	148.2	149.1	0.9	
L	4,076	944	15,399	3.12	148.5	148.5	149.4	0.9	
M	4,351	863	12,824	3.74	148.7	148.7	149.6	0.9	
N	4,479	877	12,916	3.72	148.9	148.9	149.8	0.9	
O	5,022	724	9,868	4.86	149.5	149.5	150.4	0.9	
P	5,635	632	8,016	5.99	150.3	150.3	151.2	0.9	
Q	6,030	777	8,494	5.65	151.1	151.1	152.1	1.0	
R	6,568	883	9,552	5.03	152.1	152.1	152.9	0.8	
S	7,023	841	9,133	5.26	152.7	152.7	153.4	0.7	
T	7,405	820	9,218	5.21	153.2	153.2	154.2	1.0	
U	7,888	920	8,115	5.91	153.8	153.8	154.7	0.9	
V	8,417	932	7,544	6.36	154.6	154.6	155.4	0.8	
W	8,920	842	5,250	9.14	155.6	155.6	156.2	0.6	
X	9,210	894	10,256	4.68	158.3	158.3	158.4	0.1	
Y	9,421	940	8,897	5.40	158.5	158.5	158.6	0.1	
Z	10,101	1,098	10,377	4.63	159.3	159.3	159.7	0.4	

¹Feet Above Downstream Limit of Detailed Study

T A B L E 8	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	SAN DIEGO COUNTY, CA AND INCORPORATED AREAS	SAN LUIS REY RIVER (ABOVE OCEANSIDE)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
San Luis Rey River (Above Oceanside) (Cont'd)								
AA	11,070	1,476	10,621	4.52	160.1	160.1	160.5	0.4
AB	11,651	1,675	13,744	3.49	160.6	160.6	161.0	0.4
AC	12,181	956	6,512	6.30	161.2	161.2	162.2	1.0
AD	12,845	800	5,980	6.86	162.6	162.6	162.9	0.3
AE	13,463	756	5,468	7.50	164.2	164.2	164.3	0.1
AF	13,538	860	8,381	4.89	165.2	165.2	165.4	0.2
AG	13,800	1,058	11,497	3.57	165.7	165.7	165.9	0.2
AH	14,338	1,320	13,587	3.02	166.1	166.1	166.4	0.3
AI	14,898	1,279	8,202	5.00	166.8	166.8	167.5	0.7
AJ	15,511	1,315	7,821	5.24	168.6	168.6	169.6	1.0
AK	16,184	1,070	6,117	6.70	171.4	171.4	172.1	0.7
AL	16,785	1,067	7,663	5.35	174.3	174.3	175.3	1.0
AM	17,449	1,226	9,466	4.33	176.2	176.2	177.2	1.0
AN	17,994	1,245	10,070	4.07	177.0	177.0	178.0	1.0
AO	18,719	1,373	8,989	4.56	178.2	178.2	179.2	1.0
AP	19,318	1,648	9,208	4.45	179.4	179.4	180.4	1.0
AQ	20,100	1,642	7,551	5.43	181.6	181.6	182.6	1.0
AR	21,213	1,662	8,216	4.99	186.0	186.0	187.0	1.0
AS	22,033	1,593	7,936	5.17	188.9	188.9	189.9	1.0
AT	23,117	1,540	8,339	4.92	193.2	193.2	193.9	0.7
AU	24,220	1,640	10,269	3.99	197.2	197.2	197.9	0.7
AV	25,244	1,730	10,445	3.93	200.4	200.4	201.4	1.0
AW	26,332	1,700	12,527	3.27	203.5	203.5	204.4	0.9
AX	27,294	1,660	11,520	3.56	206.0	206.0	207.0	1.0
AY	28,293	1,245	8,150	5.03	209.1	209.1	210.1	1.0

¹Feet Above Downstream Limit of Detailed Study

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

SAN LUIS REY RIVER (ABOVE OCEANSIDE)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
San Luis Rey River (Above Oceanside) (Cont'd)								
AZ	29,417	1,651	9,033	4.54	212.6	212.6	213.6	1.0
BA	30,404	1,602	7,098	5.78	216.0	216.0	217.0	1.0
BAA	35,940	888	4,290	13.44	234.5	234.5	234.8	0.3
BAB	37,340	716	5,223	10.99	240.7	240.7	240.7	0.0
BAC	38,180	527	4,766	8.60	245.9	245.9	245.9	0.0
BAD	39,490	476	8,053	5.09	252.2	252.2	252.2	0.0
BAE	40,430	447	7,670	4.30	252.6	252.6	252.6	0.0
BAF	41,980	343	5,850	5.64	252.9	252.9	252.9	0.0
BAG	43,380	203	1,990	16.58	253.2	253.2	253.6	0.4
BB	50,657	1,480	10,782	2.78	293.0	293.0	293.9	0.9
BC	51,807	1,270	5,628	5.33	293.8	293.8	294.8	1.0
BD	52,137	1,075	4,111	7.30	295.3	295.3	295.5	0.2
BE	52,450	880	4,161	7.21	296.6	296.6	297.0	0.4
BF	52,690	840	2,945	10.05	297.4	297.4	297.8	0.4
BG	53,287	726	4,042	7.42	300.9	300.9	301.9	1.0
BH	53,807	660	4,665	6.43	302.7	302.7	303.7	1.0
BI	54,797	679	4,120	7.28	306.6	306.6	307.0	0.4
BJ	55,357	728	4,974	6.03	308.0	308.0	308.7	0.7
BK	56,123	826	5,695	5.27	309.4	309.4	310.2	0.8
BL	56,873	637	3,533	8.49	311.1	311.1	311.9	0.8
BM	56,983	512	2,766	10.85	311.8	311.8	312.3	0.5
BN	57,065	449	2,418	12.41	312.9	312.9	312.9	0.0
BO	57,185	421	2,858	10.50	314.7	314.7	315.1	0.4
BP	57,315	467	4,000	7.50	315.9	315.9	316.7	0.8
BQ	57,369	525	4,113	7.29	316.0	316.0	316.9	0.9

¹Feet Above Downstream Limit of Detailed Study

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
San Luis Rey River (Above Oceanside) (Cont'd)								
BR	57,509	543	3,901	7.69	316.4	316.4	317.3	0.9
BS	58,099	544	3,047	9.85	319.7	319.7	319.9	0.2
BT	58,239	702	4,593	6.53	320.8	320.8	321.8	1.0
BU	59,398	1,373	5,117	5.86	325.7	325.7	326.3	0.6
BV	60,436	1,362	6,025	4.98	328.1	328.1	329.1	1.0
BW	60,961	1,030	4,226	7.10	329.0	329.0	330.0	1.0
BX	61,041	975	4,428	6.78	330.4	330.4	330.4	0.0
BY	61,141	910	3,794	7.91	330.4	330.4	330.6	0.2
BZ	61,721	570	3,457	8.68	332.0	332.0	332.0	0.0
CA	62,081	225	1,833	16.36	332.0	332.0	332.0	0.0
CB	62,453	1,043	3,015	9.95	337.2	337.2	337.4	0.2
CC	62,693	1,140	4,210	7.13	338.7	338.7	339.6	0.9
CD	63,243	1,046	4,808	6.24	341.6	341.6	342.3	0.7
CE	63,743	965	3,391	8.85	344.4	344.4	345.1	0.7
CF	63,943	1,000	4,727	6.35	346.2	346.2	347.2	1.0
CG	65,042	715	3,915	7.66	352.1	352.1	352.3	0.2
CH	66,072	743	4,335	6.92	356.3	356.3	356.7	0.4
CI	66,909	1,500	5,494	5.46	360.1	360.1	360.1	0.0
CJ	67,922	1,380	4,018	7.47	365.5	365.5	365.5	0.0
CK	69,086	1,059	4,435	6.76	372.9	372.9	373.0	0.1
CL	80,269	202	1,685	16.62	476.8	476.8	476.8	0.0
CM	80,539	270	2,784	10.06	480.9	480.9	481.2	0.3
CN	80,989	352	2,022	13.85	485.7	485.7	486.7	1.0
CO	81,309	490	2,605	10.75	490.2	490.2	491.2	1.0
CP	81,659	603	2,488	11.25	494.9	494.9	495.1	0.2

¹Feet Above Downstream Limit of Detailed Study

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FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

SAN LUIS REY RIVER (ABOVE OCEANSIDE)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
(FEET NGVD)								
San Luis Rey River (Above Oceanside) (Cont'd)								
CQ	82,089	675	3,393	8.25	498.5	498.5	499.3	0.8
CR	82,489	730	2,737	10.23	504.1	504.1	504.1	0.0
CS	82,774	785	2,488	11.25	508.8	508.8	508.9	0.1
CT	83,204	925	2,639	10.61	516.0	516.0	516.6	0.6
CU	83,970	865	2,903	9.65	526.6	526.6	526.9	0.3
CV	84,410	329	1,977	14.16	533.3	533.3	533.3	0.0
CW	84,810	277	1,881	14.89	537.4	537.4	537.4	0.0
CX	85,169	292	2,123	13.19	540.2	540.2	540.3	0.1
CY	85,659	292	1,907	14.68	547.5	547.5	547.5	0.0
CZ	86,129	378	2,072	13.51	558.1	558.1	558.1	0.0
DA	86,969	355	2,030	13.79	578.4	578.4	578.6	0.2
DB	87,724	358	2,030	13.79	592.4	592.4	593.4	1.0
DC	88,104	324	1,984	14.11	600.5	600.5	600.5	0.0
DD	88,324	395	2,106	13.29	605.4	605.4	605.8	0.4
DE	88,679	263	1,886	14.85	612.1	612.1	612.5	0.4
DF	88,939	305	1,967	14.23	619.3	619.3	619.3	0.0
DG	89,329	333	2,024	13.83	629.2	629.2	629.2	0.0
DH	89,929	220	1,803	15.53	641.8	641.8	642.1	0.3
DI	90,539	321	2,008	13.94	650.2	650.2	650.2	0.0
DJ	90,899	256	1,823	15.36	656.7	656.7	656.9	0.2
DK	91,046	266	1,924	14.55	661.0	661.0	661.0	0.0
DL	91,336	243	1,884	14.86	665.4	665.4	665.5	0.1
DM	91,536	195	1,688	16.59	667.7	667.7	667.7	0.0
DN	91,681	224	1,767	15.85	671.6	671.6	671.7	0.1
DO	91,871	297	2,495	11.22	675.3	675.3	675.3	0.0

¹Feet Above Downstream Limit of Detailed Study

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

SAN LUIS REY RIVER (ABOVE OCEANSIDE)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
San Luis Rey River (Above Oceanside) (Cont'd)								
DP	92,111	274	1,956	14.31	676.5	676.5	676.7	0.2
DQ	92,511	284	2,557	10.95	680.5	680.5	680.5	0.0
DR	92,726	290	3,012	9.30	681.1	681.1	681.7	0.6
DS	92,966	370	3,871	7.23	682.3	682.3	682.8	0.5
DT	93,166	373	3,807	7.35	682.7	682.7	683.1	0.4
DU	93,956	581	2,912	9.62	684.5	684.5	684.7	0.2
DV	94,206	636	2,454	11.41	686.0	686.0	686.4	0.4
DW	94,546	679	3,430	8.16	689.2	689.2	690.1	0.9
DX	94,671	697	3,446	8.13	689.9	689.9	690.8	0.9
DY	95,146	503	2,683	10.44	692.8	692.8	692.9	0.1
DZ	95,456	429	2,311	12.12	695.2	695.2	695.4	0.2
EA	96,456	665	3,675	7.62	703.6	703.6	704.6	1.0
EB	97,046	1,050	5,241	5.34	706.5	706.5	706.6	0.1
EC	97,796	907	3,381	8.28	708.5	708.5	708.5	0.0
ED	98,466	1,015	3,235	8.66	711.8	711.8	712.0	0.2
EE	98,876	773	3,515	7.97	714.8	714.8	714.9	0.1
EF	99,396	905	3,142	8.91	717.2	717.2	717.5	0.3
EG	99,771	902	3,446	8.13	719.4	719.4	720.2	0.8
EH	100,541	878	3,224	8.68	724.0	724.0	724.6	0.6
EI	101,222	645	3,047	9.19	728.1	728.1	728.6	0.5
EJ	101,492	591	2,548	10.99	731.2	731.2	731.8	0.6
EK	101,704	440	2,272	12.32	732.5	732.5	733.1	0.6
EL	101,824	415	2,223	12.60	734.4	734.4	734.4	0.0
EM	102,024	351	2,577	10.87	736.0	736.0	736.2	0.2
EN	102,131	456	3,588	7.80	737.8	737.8	737.8	0.0

¹Feet Above Downstream Limit of Detailed Study

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FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

SAN LUIS REY RIVER (ABOVE OCEANSIDE)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
San Luis Rey River (Above Oceanside) (Cont'd)								
EO	102,261	591	4,455	5.50	738.3	738.3	738.3	0.0
EP	102,621	784	6,434	3.81	738.7	738.7	738.8	0.1
EQ	103,293	906	6,970	3.52	738.8	738.8	739.2	0.4
ER	103,939	1,092	6,209	3.95	738.9	738.9	739.5	0.6
ES	104,399	1,265	4,301	5.70	739.0	739.0	740.0	1.0
ET	104,511	1,245	4,015	6.10	739.9	739.9	740.7	0.8
EU	104,561	1,214	4,177	5.87	740.2	740.2	740.9	0.7
EV	104,821	1,055	4,294	5.71	740.9	740.9	741.7	0.8
EW	105,021	769	3,075	7.97	741.4	741.4	742.0	0.6
EX	105,231	514	2,121	11.55	744.0	744.0	744.5	0.5
EY	106,004	493	2,476	9.89	748.8	748.8	749.5	0.7
EZ	106,224	580	3,277	7.48	750.9	750.9	750.9	0.0
FA	106,384	576	2,187	11.20	751.2	751.2	751.2	0.0
FB	106,754	535	3,272	7.49	754.0	754.0	754.0	0.0
FC	107,064	536	2,135	11.48	754.9	754.9	754.9	0.0
FD	107,555	577	2,515	9.74	758.9	758.9	758.9	0.0
FE	108,025	566	3,210	7.63	761.5	761.5	761.5	0.0
FF	108,235	543	2,939	8.34	762.2	762.2	762.2	0.0
FG	108,455	556	3,861	6.35	763.2	763.2	763.2	0.0
FH	108,835	650	2,820	8.69	763.9	763.9	763.9	0.0
FI	108,915	674	4,111	5.96	764.9	764.9	764.9	0.0
FJ	108,990	681	3,124	7.84	764.9	764.9	764.9	0.0
FK	109,111	686	3,355	7.30	765.3	765.3	765.3	0.0
FL	109,311	564	2,719	9.01	766.0	766.0	766.0	0.0
FM	109,401	539	2,185	11.21	766.4	766.4	766.6	0.2

¹Feet Above Downstream Limit of Detailed Study

T A B L E 8	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	SAN DIEGO COUNTY, CA AND INCORPORATED AREAS	SAN LUIS REY RIVER (ABOVE OCEANSIDE)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
San Luis Rey River (Above Oceanside) (Cont'd)								
FN	109,500	538	2,518	9.73	767.5	767.5	767.9	0.4
FO	109,680	547	3,035	8.07	769.4	769.4	769.7	0.3
FP	109,807	568	4,071	6.02	769.8	769.8	770.4	0.6
FQ	109,947	638	4,074	6.01	769.9	769.9	770.7	0.8
FR	110,355	480	2,350	10.43	770.8	770.8	770.8	0.0
FS	110,746	580	3,234	7.58	773.1	773.1	773.3	0.2
FT	110,921	600	2,454	9.98	774.0	774.0	773.9	0.0
FU	111,259	509	3,371	7.27	775.8	775.8	776.8	1.0
FV	111,748	465	3,659	6.70	777.2	777.2	777.9	0.7
FW	112,100	435	3,153	7.77	777.9	777.9	778.4	0.5
FX	112,490	339	1,879	13.04	779.7	779.7	779.7	0.0
FY	112,630	485	3,392	7.22	782.8	782.8	782.8	0.0
FZ	113,020	573	2,252	10.88	783.5	783.5	783.6	0.1
GA	113,240	560	2,723	9.00	785.3	785.3	785.8	0.5
GB	113,751	507	3,033	8.08	787.5	787.5	788.1	0.6
GC	113,991	525	2,675	9.16	788.7	788.7	788.8	0.1
GD	114,291	501	2,096	11.69	790.8	790.8	791.3	0.5
GE	114,356	520	3,758	6.52	792.2	792.2	793.1	0.9
GF	114,406	520	4,287	5.72	792.6	792.6	793.3	0.7
GG	114,906	644	2,918	8.40	793.6	793.6	794.0	0.4
GH	115,356	728	2,952	8.30	796.0	796.0	796.5	0.5
GI	116,151	683	3,263	7.51	800.2	800.2	800.4	0.2
GJ	116,829	825	3,798	6.45	802.1	802.1	803.0	0.9
GK	116,949	803	2,949	8.31	802.4	802.4	803.2	0.8
GL	117,168	814	2,844	8.61	803.7	803.7	804.6	0.9

¹Feet Above Downstream Limit of Detailed Study

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FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

SAN LUIS REY RIVER (ABOVE OCEANSIDE)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
						(FEET NGVD)		
San Luis Rey River (Above Oceanside) (Cont'd)								
GM	117,365	764	2,969	8.25	805.2	805.2	806.0	0.8
GN	117,705	692	2,847	8.61	807.7	807.7	808.0	0.3
GO	118,075	563	2,549	9.61	809.4	809.4	810.1	0.7
GP	118,550	500	2,226	11.01	813.2	813.2	813.4	0.2
GQ	118,720	503	3,101	7.90	814.7	814.7	815.3	0.6
GR	118,895	484	2,431	10.08	815.4	815.4	815.6	0.2
GS	119,386	684	3,742	6.55	817.7	817.7	818.3	0.6
GT	119,686	695	3,105	7.89	818.4	818.4	819.0	0.6
GU	119,946	570	2,542	9.64	820.0	820.0	820.2	0.2
GV	120,406	460	2,378	10.30	822.6	822.6	823.1	0.5
GW	120,726	325	1,937	12.65	824.7	824.7	824.9	0.2
GX	121,136	276	1,861	13.17	827.9	827.9	828.1	0.2
GY	121,406	333	2,754	8.90	830.1	830.1	830.8	0.7
GZ	121,666	307	2,724	9.00	830.9	830.9	831.5	0.6
HA	121,946	357	2,521	9.72	832.1	832.1	832.2	0.1
HB	122,171	494	3,206	7.64	832.9	832.9	833.6	0.7
HC	122,731	646	3,390	7.23	834.4	834.4	835.4	1.0
HD	123,561	519	2,734	8.96	837.3	837.3	838.2	0.9
HE	124,498	775	3,307	7.41	841.9	841.9	842.7	0.8

¹Feet Above Downstream Limit of Detailed Study

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FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

SAN LUIS REY RIVER (ABOVE OCEANSIDE)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WATER SURFACE ELEVATION (FEET NGVD)		INCREASE
						WITHOUT FLOODWAY	WITH FLOODWAY	
San Luis Rey River (At Oceanside)								
A	494	590	4,179	12.2	9.4	9.4	9.5	0.1
B	1,357	620	5,830	8.8	12.2	12.2	13.0	0.8
C	2,171	560	3,880	13.1	13.8	13.8	14.1	0.3
D	2,837	450	4,600	11.1	17.5	17.5	17.5	0.0
E	4,077	389	4,298	11.9	19.7	19.7	19.7	0.0
F	5,562	714	8,353	6.1	24.6	24.6	24.7	0.1
G	6,806	721	10,174	5.0	25.7	25.7	25.9	0.2
H	8,632	1,026	10,146	5.0	27.0	27.0	27.2	0.2
I	10,161	744	8,598	5.9	28.0	28.0	28.3	0.3
J	11,241	1,296	10,740	4.8	29.0	29.0	29.3	0.3
K	12,379	1,612	13,177	3.9	30.7	30.7	30.9	0.2
L	14,302	1,723	12,419	4.1	31.4	31.4	31.8	0.4
M	15,745	1,484	10,951	4.7	32.5	32.5	32.9	0.4
N	17,642	1,434	8,401	6.1	37.8	37.8	38.1	0.3
O	19,794	1,102	9,375	5.4	42.5	42.5	42.7	0.2
P	21,780	741	5,708	8.9	46.0	46.0	46.2	0.2
Q	22,856	781	6,460	7.9	48.7	48.7	48.8	0.1
R	24,774	859	7,908	6.4	51.7	51.7	51.8	0.1
S	26,214	678	5,175	9.9	53.7	53.7	53.8	0.1
T	27,861	905	6,743	7.6	58.0	58.0	58.1	0.1
U	28,917	678	6,557	7.8	61.0	61.0	61.0	0.0
V	30,564	1,132	9,676	5.3	63.4	63.4	63.4	0.0
W	32,338	654	5,393	9.5	65.5	65.5	65.7	0.2
X	33,963	872	5,857	8.7	69.6	69.6	69.6	0.0
Y	35,951	943	6,307	8.1	72.9	72.9	73.2	0.3
Z	37,016	683	4,858	10.5	75.4	75.4	75.5	0.1

¹Feet Above Mouth

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FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

SAN LUIS REY RIVER (AT OCEANSIDE)

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
San Luis Rey River (At Oceanside)								
AA	37,967	696	5,939	8.6	82.2	82.2	82.2	0.0
AB	39,077	569	4,832	10.6	83.8	83.8	83.8	0.0
AC	39,988	486	4,549	11.2	87.3	87.3	87.3	0.0
AD	41,170	505	5,262	9.7	90.8	90.8	90.8	0.0
AE	41,902	845	7,143	7.1	92.6	92.6	92.6	0.0
AF	43,190	931	6,808	7.5	94.1	94.1	94.1	0.0
AG	43,984	898	8,150	6.3	95.5	95.5	95.6	0.1
AH	45,225	1,112	8,534	6.0	96.7	96.7	96.9	0.2
AI	46,961	909	4,652	11.0	100.6	100.6	100.6	0.0
AJ	48,039	760	4,523	11.3	104.0	104.0	104.0	0.0
AK	48,970	715	7,051	7.2	107.1	107.1	107.2	0.1
AL	50,002	862	5,170	9.9	108.3	108.3	108.5	0.2
AM	51,602	808	6,815	7.5	113.3	113.3	113.3	0.0
AN	53,234	992	6,850	7.4	116.0	116.0	116.0	0.0
AO	55,408	1,090	9,731	5.2	119.6	119.6	119.8	0.2
AP	56,382	938	7,533	6.8	120.6	120.6	120.9	0.3
AQ	58,139	575	6,140	8.3	125.1	125.1	125.1	0.0
AR	59,318	650/0	4,840	10.5	126.6	126.6	126.8	0.2

¹Feet Above Mouth

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FEDERAL EMERGENCY MANAGEMENT AGENCY

**SAN DIEGO COUNTY, CA
AND INCORPORATED AREAS**

FLOODWAY DATA

SAN LUIS REY RIVER (AT OCEANSIDE)