

FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 4 OF 12



SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS

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

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FEMA

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Published Separately

Flood Insurance Rate Map (FIRM)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,470	150	1,504	12.1	37.4	37.4	37.8	0.4
B	2,044	289	3,226	5.1	42.2	42.2	42.2	0.0
C	2,279	360	4,430	3.5	42.4	42.4	42.4	0.0
D	2,569	265	2,490	7.4	42.6	42.6	42.6	0.0
E	2,909	202	2,492	6.8	43.1	43.1	43.5	0.4
F	3,249	222	2,547	6.6	44.1	44.1	44.6	0.5
G	3,619	271	2,966	5.7	45.1	45.1	45.8	0.7
H	4,339	399	4,080	4.2	47.4	47.4	48.2	0.8
I	5,545	500	3,743	4.8	48.0	48.0	48.7	0.7
J	5,905	530	3,770	4.3	48.0	48.0	48.9	0.9
K	6,283	600	3,503	4.9	48.3	48.3	49.1	0.8
L	6,915	600	2,252	7.3	48.8	48.8	49.5	0.7
M	7,367	590	2,461	7.6	50.0	50.0	50.9	0.9
N	7,783	550	2,370	8.3	51.2	51.2	51.7	0.5
O	8,274	304	1,418	11.8	53.3	53.3	53.6	0.3
P	8,904	540	2,555	6.6	56.6	56.6	57.1	0.5
Q	9,424	500	2,130	7.9	57.8	57.8	58.0	0.2
R	10,114	239	1,272	13.2	59.6	59.6	59.8	0.2
S	10,440	230	1,650	10.2	61.5	61.5	62.3	0.8
T	10,924	400	2,838	5.9	63.0	63.0	64.0	1.0
U	11,444	371	2,147	7.8	63.4	63.4	64.2	0.8
V	11,904	466	2,895	5.8	64.7	64.7	65.4	0.7
W	12,474	258	1,312	12.8	66.5	66.5	66.9	0.4

¹Feet above mouth

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: LOS PENASQUITOS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
X	13,154	229	1,307	12.9	73.3	73.3	73.3	0.0
Y	13,310	100	956	17.6	73.9	73.9	73.9	0.0
Z	13,420	89	925	18.2	75.9	75.9	75.9	0.0
AA	14,094	360	5,583	3.0	81.5	81.5	81.5	0.0
AB	14,094	440	6,353	2.6	81.6	81.6	81.6	0.0
AC	14,392	469	5,824	2.9	81.6	81.6	81.6	0.0
AD	15,206	426	4,100	4.1	81.7	81.7	81.7	0.0
AE	15,836	539	4,036	4.2	81.9	81.9	82.0	0.1
AF	16,595	503	1,716	9.8	82.7	82.7	82.7	0.0
AG	16,835	740	2,017	8.3	84.0	84.0	84.0	0.0
AH	17,145	331	1,738	9.7	85.5	85.5	85.5	0.0
AI	17,495	201	1,196	14.0	86.5	86.5	87.0	0.5
AJ	17,811	158	1,286	13.1	88.7	88.7	89.7	1.0
AK	18,241	94	940	17.9	92.6	92.6	93.5	0.9
AL	18,706	130	1,080	15.6	105.3	105.3	106.0	0.7
AM	19,150	89	943	17.8	109.0	109.0	109.9	0.9
AN	19,514	137	1,099	15.3	113.0	113.0	113.6	0.6
AO	19,858	125	1,056	15.9	118.7	118.7	118.7	0.0
AP	20,018	138	1,053	16.0	121.7	121.7	121.7	0.0
AQ	20,234	75	871	19.3	143.0	143.0	143.0	0.0
AR	20,378	140	1,106	15.2	153.8	153.8	153.8	0.0
AS	20,544	330	2,087	8.0	157.5	157.5	157.5	0.0
AT	20,824	588	1,957	8.6	158.4	158.4	158.4	0.0

¹Feet above mouth

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LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AU	21,050	510	2,393	7.0	160.6	160.6	160.6	0.0
AV	21,214	537	2,734	6.1	161.4	161.4	162.2	0.8
AW	21,480	619	3,092	5.4	162.8	162.8	163.5	0.7
AX	21,806	319	1,851	9.1	163.8	163.8	164.2	0.4
AY	22,091	529	2,075	8.1	165.8	165.8	165.8	0.0
AZ	22,401	615	3,537	4.8	168.6	168.6	168.7	0.1
BA	22,744	805	3,144	5.3	169.3	169.3	169.4	0.1
BB	23,030	489	2,139	7.9	170.2	170.2	170.2	0.0
BC	23,373	477	2,074	8.1	172.1	172.1	172.7	0.6
BD	23,717	514	3,037	5.5	174.6	174.6	175.1	0.5
BE	24,041	380	1,900	8.8	176.1	176.1	176.8	0.7
BF	24,327	388	2,229	7.5	179.6	179.6	180.1	0.5
BG	24,463	465	2,559	6.6	180.4	180.4	180.9	0.5
BH	24,630	490	2,869	5.9	181.2	181.2	181.8	0.6
BI	24,916	340	1,798	9.3	182.3	182.3	182.7	0.4
BJ	25,242	527	2,438	6.9	185.9	185.9	186.5	0.6
BK	25,552	737	3,278	5.1	188.4	188.4	189.0	0.6
BL	25,852	716	2,768	6.1	190.3	190.3	190.8	0.5
BM	26,162	701	3,730	4.5	192.3	192.3	192.9	0.6
BN	26,452	587	4,037	4.2	193.1	193.1	193.7	0.6
BO	26,768	502	2,564	6.6	194.0	194.0	194.6	0.6
BP	27,054	505	2,853	5.9	196.0	196.0	196.6	0.6
BQ	27,220	472	2,527	6.6	197.0	197.0	197.6	0.6

¹Feet above mouth

TABLE 24

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

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FLOODING SOURCE: LOS PENASQUITOS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BR	27,360	597	3,687	4.6	197.9	197.9	198.6	0.7
BS	27,643	488	1,833	9.2	201.4	201.4	201.8	0.4
BT	27,957	539	3,133	5.4	204.6	204.6	205.3	0.7
BU	28,261	573	4,178	4.0	205.6	205.6	206.3	0.7
BV	28,551	583	4,004	4.2	206.0	206.0	206.7	0.7
BW	28,851	565	3,317	5.1	206.4	206.4	207.1	0.7
BX	29,155	346	1,489	11.3	207.6	207.6	208.0	0.4
BY	29,451	559	3,367	5.0	210.5	210.5	211.4	0.9
BZ	29,767	461	2,919	5.8	211.6	211.6	212.3	0.7
CA	30,057	465	1,145	7.8	213.0	213.0	213.6	0.6
CB	30,183	539	3,483	4.8	214.4	214.4	215.0	0.6
CC	30,353	631	3,417	4.9	214.9	214.9	215.5	0.6
CD	30,643	548	2,799	6.0	215.8	215.8	216.3	0.5
CE	30,943	462	2,087	8.0	216.9	216.9	217.4	0.5
CF	31,249	477	3,271	5.1	219.3	219.3	219.9	0.6
CG	31,545	623	3,205	5.2	220.4	220.4	220.9	0.5
CH	31,855	593	3,522	4.8	222.0	222.0	222.1	0.1
CI	32,149	636	1,993	8.4	224.1	224.1	224.3	0.2
CJ	32,623	359	2,208	7.6	228.2	228.2	228.2	0.0
CK	32,769	357	2,524	6.7	228.7	228.7	229.1	0.4
CL	33,032	391	2,507	6.7	229.4	229.4	230.2	0.8
CM	33,296	391	1,545	10.9	231.4	231.4	231.6	0.2
CN	33,642	497	3,505	4.8	233.6	233.6	234.4	0.8

¹Feet above mouth

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LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
CO	34,172	636	1,909	8.8	234.9	234.9	235.3	0.4
CP	34,528	814	2,798	6.0	237.8	237.8	238.4	0.6
CQ	34,818	823	2,847	5.9	239.0	239.0	239.5	0.5
CR	35,146	889	3,361	5.0	240.1	240.1	240.7	0.6
CS	35,456	499	1,646	10.2	241.1	241.1	241.3	0.2
CT	35,728	763	3,109	5.4	243.2	243.2	244.1	0.9
CU	35,998	652	2,609	6.4	244.3	244.3	244.9	0.6
CV	36,230	515	1,986	8.5	245.1	245.1	245.6	0.5
CW	36,534	334	1,509	11.1	247.4	247.4	247.8	0.4
CX	36,838	473	2,434	6.9	250.3	250.3	251.0	0.7
CY	37,388	472	2,748	6.1	252.2	252.2	252.7	0.5
CZ	37,696	266	1,348	12.5	255.0	255.0	255.3	0.3
DA	38,216	141	1,146	14.7	259.5	259.5	259.9	0.4
DB	38,716	119	1,053	16.0	264.0	264.0	264.1	0.1
DC	39,216	189	1,556	10.8	269.7	269.7	269.7	0.0
DD	39,807	97	940	17.9	272.1	272.1	272.2	0.1
DE	40,237	138	1,542	10.9	277.5	277.5	278.1	0.6
DF	40,667	222	1,506	11.2	279.6	279.6	280.1	0.5
DG	40,841	153	1,118	15.0	281.7	281.7	282.0	0.3
DH	41,105	112	991	17.0	285.1	285.1	285.1	0.0
DI	41,855	162	1,729	9.7	291.5	291.5	292.5	1.0
DJ	42,359	116	1,019	16.5	295.6	295.6	295.7	0.1
DK	42,913	187	1,678	10.0	301.3	301.3	302.3	1.0

¹Feet above mouth

TABLE 24

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SAN DIEGO COUNTY, CALIFORNIA
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FLOODWAY DATA

FLOODING SOURCE: LOS PENASQUITOS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
DL	43,293	121	1,137	14.8	303.1	303.1	304.0	0.9
DM	43,845	83	943	17.8	310.9	310.9	310.9	0.0
DN	44,475	132	1,698	9.1	317.8	317.8	318.8	1.0
DO	44,835	245	2,427	6.3	319.7	319.7	320.5	0.8
DP	45,315	231	1,506	10.2	321.4	321.4	321.9	0.5
DQ	45,745	177	1,343	11.5	323.8	323.8	324.4	0.6
DR	46,000	149	1,410	10.9	325.3	325.3	326.1	0.8
DS	46,300	156	1,327	11.6	326.7	326.7	327.3	0.6
DT	46,475	169	1,510	10.2	328.6	328.6	329.2	0.6
DU	46,715	118	1,032	14.9	330.3	330.3	330.3	0.0
DV	47,115	79	895	17.2	336.4	336.4	336.4	0.0
DW	47,555	92	1,230	12.5	341.6	341.6	342.6	1.0
DX	47,765	75	856	18.0	343.1	343.1	343.2	0.1
DY	48,020	107	1,148	12.2	347.6	347.6	347.6	0.0
DZ	48,242	274	3,247	4.3	355.4	355.4	355.4	0.0
EA	48,609	305	3,528	4.0	355.5	355.5	355.5	0.0
EB	49,008	231	2,772	5.0	355.6	355.6	355.6	0.0
EC	49,288	203	2,513	5.6	355.7	355.7	355.7	0.0
ED	49,635	255	2,553	5.5	356.1	356.1	356.1	0.0
EE	50,200	369	1,990	7.0	357.7	*	*	*
EF	50,709	519	3,009	4.7	358.5	358.5	358.5	0.0
EG	51,278	411	2,110	6.6	367.4	367.4	367.4	0.0
EH	51,637	485	2,673	5.2	369.2	369.2	369.2	0.0

¹Feet above mouth

*Data not available

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: LOS PENASQUITOS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
EI	52,272	476	3,376	4.1	370.4	370.4	370.4	0.0
EJ	52,641	297	2,408	5.8	371.1	371.1	371.1	0.0
EK	53,096	114	883	15.9	374.8	374.8	374.8	0.0
EL	53,310	200	2,181	6.4	379.3	379.3	379.3	0.0
EM	55,543	148	1,366	10.2	397.8	397.8	397.8	0.0
EN	56,039	201	1,477	19.5	400.6	400.6	400.6	0.0
EO	56,452	139	1,354	10.3	403.1	403.1	403.1	0.0
EP	56,930	94	897	15.6	406.0	406.0	406.2	0.2

¹Feet above mouth

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: LOS PENASQUITOS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	95	443	8.4	59.6	*	*	*
B	566	31	295	12.7	59.6	59.6	59.9	0.3
C	1,026	113	896	4.2	69.4	69.4	70.0	0.6
D	1,682	98	653	5.7	77.2	77.2	77.8	0.6
E	2,278	61	397	9.4	85.2	85.2	86.0	0.8
F	2,964	73	604	6.2	92.2	92.2	93.0	0.8
G	3,610	37	341	11.0	101.7	101.7	102.5	0.8
H	4,272	44	371	10.1	112.1	112.1	112.7	0.6
I	4,974	59	413	9.1	126.7	126.7	127.6	0.9
J	5,486	47	430	8.7	135.7	135.7	136.0	0.3

¹Feet above confluence with San Dieguito River

*Data not available

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: LUSARDI CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	15,843	101	345	3.5	285.7	285.7	386.3	0.6
B	16,658	42	170	5.0	299.9	299.9	300.4	0.5
C	17,541	51	187	4.6	321.4	321.4	322.4	1.0
D	18,224	77	570	1.0	340.4	340.4	340.4	0.0
E	19,005	115	1,270	0.4	351.4	351.4	351.4	0.0
F	19,417	39	162	3.3	353.1	353.1	353.2	0.1
G	19,746	33	107	5.2	358.0	358.0	359.0	1.0

¹Feet above confluence with Carmel Valley Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: MCGONIGLE CANYON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,143	137	338	6.7	377.6	377.6	377.6	0.0
B	2,583	41	186	12.1	403.9	403.9	403.9	0.0
C	3,326	132	282	9.2	415.9	415.9	415.9	0.0
D	4,826	99	249	9.1	450.4	450.4	450.4	0.0
E	6,150	30	134	12.4	471.8	471.8	471.8	0.0
F	6,926	57	348	3.2	493.6	493.6	493.6	0.0
G	8,460	63	139	8.1	537.7	537.7	537.8	0.1
H	9,576	81	141	7.9	577.5	577.5	577.5	0.0
I	9,722	45	178	6.3	585.9	585.9	586.5	0.6

¹Feet above confluence with Sweetwater River

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: MEXICAN CANYON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	96	643	4.9	1,411.5	1,411.5	1,412.2	0.7
B	26	103	492	6.3	1,412.2	1,412.2	1,412.2	0.0
C	266	102	443	7.0	1,418.1	1,418.1	1,419.1	1.0
D	676	80	287	10.9	1,435.7	1,435.7	1,435.7	0.0
E	1,036	93	4.1	7.8	1,452.3	1,452.3	1,452.7	0.4
F	1,436	66	443	7.1	1,458.3	1,458.3	1,458.8	0.5
G	1,626	94	363	8.6	1,461.1	1,461.1	1,461.4	0.3
H	1,686	132	750	4.2	1,465.3	1,465.3	1,465.3	0.0
I	1,966	134	478	6.5	1,467.8	1,467.8	1,468.1	0.3
J	2,181	122	608	5.1	1,471.9	1,471.9	1,472.9	1.0
K	2,491	156	455	6.9	1,481.3	1,481.3	1,481.4	0.1
L	2,641	115	460	6.8	1,491.0	*	*	*
M	2,681	134	605	5.2	1,493.8	1,493.8	1,493.8	0.0
N	2,911	115	531	5.9	1,497.3	1,497.3	1,498.1	0.8
O	3,221	86	562	5.6	1,500.4	1,500.4	1,501.3	0.9
P	3,741	51	321	9.7	1,507.3	1,507.3	1,508.3	1.0
Q	4,236	110	632	4.9	1,520.9	1,520.9	1,521.8	0.9
R	4,296	114	689	4.5	1,522.5	1,522.5	1,522.5	0.0
S	4,676	110	440	7.1	1,525.1	1,525.1	1,525.4	0.3
T	5,156	118	488	6.4	1,531.8	1,531.8	1,532.8	1.0
U	5,591	58	288	8.3	1,537.2	1,537.2	1,538.1	0.9
V	5,961	61	219	10.9	1,547.9	1,547.9	1,547.9	0.0
W	6,341	73	237	10.0	1,558.0	1,558.0	1,558.2	0.2

¹Feet above Private Road

*Data not available

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: MOOSA CREEK (NORTH BRANCH)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
X	6,371	80	378	6.3	1,562.3	1,562.3	1,562.4	0.1
Y	6,411	85	441	5.4	1,565.4	1,565.4	1,565.4	0.0
Z	6,791	122	360	6.6	1,566.8	1,566.8	1,567.4	0.6
AA	7,136	150	310	7.7	1,574.5	1,574.5	1,574.7	0.2
AB	7,166	155	756	3.1	1,577.7	1,577.7	1,578.4	0.7
AC	7,556	235	819	2.9	1,578.1	1,578.1	1,578.9	0.8
AD	7,936	405	455	5.2	1,582.9	1,582.9	1,583.0	0.1
AE	8,406	340	584	4.1	1,595.3	1,595.3	1,595.3	0.0
AF	8,438	306	776	3.1	1,598.1	1,598.1	1,598.1	0.0
AG	8,818	266	379	6.3	1,601.0	1,601.0	1,601.1	0.1
AH	9,398	75	18	1.4	1,612.9	1,612.9	1,613.0	0.1
AI	9,718	21	13	1.9	1,617.4	1,617.4	1,617.4	0.0
AJ	10,268	7	11	2.2	1,622.8	1,622.8	1,622.9	0.1
AK	10,857	201	200	4.8	1,634.7	1,634.7	1,634.7	0.0
AL	10,867	205	372	2.6	1,634.8	1,634.8	1,634.9	0.1
AM	11,367	300	661	3.1	1,639.5	1,639.5	1,640.4	0.9
AN	11,997	80	394	7.0	1,650.1	1,650.1	1,650.8	0.7
AO	12,317	141	531	4.0	1,658.9	1,658.9	1,658.9	0.0
AP	12,352	121	459	4.8	1,659.9	1,659.9	1,659.9	0.0

¹Feet above Private Road

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: MOOSA CREEK (NORTH BRANCH)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	555	199	409	5.8	1,611.1	1,611.1	1,611.6	0.5
B	845	220	386	3.4	1,614.1	1,614.1	1,614.6	0.5
C	1,360	112	194	6.8	1,620.6	1,620.6	1,621.0	0.4
D	1,924	265	275	4.8	1,630.0	1,630.0	1,630.1	0.1
E	1,934	280	404	3.3	1,630.4	1,630.4	1,630.6	0.2

¹Feet above confluence with Moosa Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: MOOSA CREEK (SOUTH BRANCH)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,961	73	271	10.7	95.4	95.4	95.4	0.0
B	3,831	42	253	16.0	102.6	102.6	102.6	0.0
C	4,331	43	459	8.5	107.6	107.6	108.4	0.8
D	²	²	²	²	²	²	²	²
E	²	²	²	²	²	²	²	²
F	9,222	77	1,021	2.9	162.5	162.5	162.5	0.0
G	10,936	111	272	9.0	174.0	174.0	174.0	0.0
H	11,376	191	310	7.7	179.0	179.0	179.0	0.0
I	11,674	132	182	3.8	180.8	180.8	180.8	0.0
J	12,064	13	132	18.2	187.2	187.2	187.2	0.0
K	13,546	86	373	4.6	210.2	210.2	210.2	0.0
L	14,992	42	140	12.1	223.8	223.8	223.8	0.0
M	15,262	34	96	10.4	230.5	230.5	230.5	0.0
N	16,388	39	95	10.5	246.3	246.3	246.3	0.0
O	16,719	42	182	5.5	253.1	253.1	253.1	0.0

¹Feet above Friars Road

²1-percent annual chance flood contained in culvert

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: MURPHY CANYON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,915	52	262	4.2	15.4 ²	9.8 ³	9.8 ³	0.0
B	3,390	160	637	1.7	15.7 ²	11.3 ³	11.7 ³	0.4
C	3,988	100	230	4.7	16.2 ²	11.6 ³	12.4 ³	0.8
D	5,772	68	482	1.8	18.9	18.9	19.2	0.3
E	7,500	100	479	1.7	19.3	19.3	19.8	0.5
F	8,000	100	433	1.8	19.3	19.3	19.9	0.6
G	8,310	50	294	2.4	19.8	19.8	20.3	0.5
H	8,760	64	249	2.8	20.2	20.2	20.6	0.4
I	9,400	39	111	6.3	22.8	22.8	22.8	0.0
J	9,700	127	578	0.9	28.2	28.2	28.2	0.0
K	10,180	21	182	2.7	28.3	28.3	28.3	0.0
L	10,300	40	200	2.5	28.3	28.3	28.5	0.2
M	10,500	68	295	1.6	28.4	28.4	28.7	0.3

¹Feet above confluence with Otay River

²Elevation computed without consideration of flooding controlled by Otay River

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: NESTOR CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	500	43	245	1.6	554.8	554.8	555.1	0.3
B	1,285	36	143	4.0	557.5	557.5	558.1	0.6
C	2,150	297	589	4.0	564.0	564.0	564.7	0.7
D	3,255	93	349	8.6	575.9	575.9	576.3	0.4
E	3,955	89	298	10.1	583.5	583.5	583.8	0.3

¹Feet above confluence with Poway Creek and South Branch Poway Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: NORTH BRANCH POWAY CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,490	650	3,838	0.3	1,373.4	1,373.4	1,374.2	0.8
B	2,040	205	1,070	1.0	1,373.4	1,373.4	1,374.2	0.8
C	2,780	240	680	1.6	1,373.5	1,373.5	1,374.5	1.0
D	2,890	265	1,154	1.0	1,375.5	1,375.5	1,376.4	0.9
E	3,170	129	466	2.4	1,375.5	1,375.5	1,376.5	1.0
F	3,920	195	376	2.9	1,379.1	1,379.1	1,380.1	1.0

¹Feet above confluence with Santa Maria Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: NORTH TRIBUTARY TO SANTA MARIA CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	455	132	232	5.9	701.7	699.8 ²	700.8 ²	1.0
B	605	171	254	5.4	702.2	702.2	702.6	0.4
C	828	256	314	4.4	704.5	704.5	705.2	0.7
D	1,078	135	207	6.6	708.7	708.7	708.8	0.1
E	1,232	163	232	5.9	711.1	711.1	711.1	0.0
F	1,692	170	238	5.8	716.1	716.1	716.6	0.5
G	2,237	180	235	5.8	726.2	726.2	726.8	0.6
H	2,627	238	282	4.8	732.7	732.7	733.5	0.8
I	2,892	243	292	4.7	740.1	740.1	740.2	0.1

¹Feet above confluence with Twin Oaks Valley Creek

²Elevation computed without consideration of backwater effects from Twin Oaks Valley Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: OLIVE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	2,533	4,688	4.7	13.2	13.2	13.2	0.0
B	1,390	2,110	9,474	2.3	15.2	15.2	16.1	0.9
C	2,490	2,300	4,084	5.4	16.3	16.3	16.8	0.5
D	3,720	1,662	7,917	2.8	18.2	18.2	18.9	0.7
E	4,040	642	1,928	11.4	19.3	19.3	19.4	0.1
F	4,270	722	3,819	5.8	20.6	20.6	20.6	0.0
G	5,100	641	2,883	7.6	24.0	24.0	24.0	0.0
H	5,350	360	1,767	12.4	25.7	25.7	25.7	0.0
I	5,390	320	2,711	8.1	28.0	28.0	28.0	0.0
J	5,500	304	2,359	9.3	28.9	28.9	28.9	0.0
K	5,600	440	4,010	5.5	30.8	30.8	30.8	0.0
L	5,880	740	4,511	4.9	30.8	30.8	30.9	0.1
M	6,280	1,020	7,451	2.9	30.9	30.9	31.5	0.6
N	6,610	1,225	7,933	2.8	30.9	30.9	31.7	0.8
O	7,012	1,243	4,824	4.6	32.8	32.8	32.9	0.1
P	7,330	1,035	3,833	5.7	33.3	33.3	33.8	0.5
Q	7,670	1,204	6,208	3.5	34.3	34.3	35.3	1.0
R	8,780	451	3,132	7.0	36.4	36.4	37.3	0.9
S	8,875	432	2,553	8.6	36.6	36.6	37.6	1.0
T	9,525	1,060	7,231	3.0	39.7	39.7	39.9	0.2
U	10,375	1,110	9,424	2.3	40.1	40.1	40.3	0.2
V	11,275	935	8,841	2.5	40.3	40.3	40.5	0.2
W	11,825	917	8,300	2.6	40.3	40.3	40.6	0.3

¹Feet above cross section A

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: OTAY RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
X	12,085	670	6,494	3.4	40.4	40.4	40.7	0.3
Y	12,395	403	1,798	12.2	42.9	42.9	42.9	0.0
Z	12,579	476	3,279	6.8	45.4	45.4	45.4	0.0
AA	12,959	540	4,145	5.3	45.7	45.7	46.0	0.3
AB	13,789	503	3,304	6.7	46.2	46.2	47.2	1.0
AC	14,839	575	4,992	4.4	48.4	48.4	49.0	0.6
AD	15,349	455	1,940	11.3	49.0	49.0	49.0	0.0
AE	16,049	455	2,241	9.8	54.9	54.9	55.6	0.7
AF	16,249	462	3,144	7.0	57.3	57.3	57.3	0.0
AG	16,529	447	3,490	6.3	57.9	57.9	58.0	0.1
AH	16,769	446	2,434	9.0	58.2	58.2	58.3	0.1
AI	16,979	415	2,063	10.7	59.1	59.1	59.3	0.2
AJ	17,149	382	2,053	10.7	61.2	61.2	61.2	0.0
AK	17,669	442	2,432	9.0	63.8	63.8	64.8	1.0
AL	18,109	430	1,969	11.2	68.2	68.2	68.8	0.6
AM	18,969	595	2,383	9.2	76.6	76.6	77.4	0.8
AN	19,039	586	3,840	5.7	77.6	77.6	78.5	0.9
AO	19,259	610	3,518	6.2	78.2	78.2	78.8	0.6
AP	19,349	572	2,298	9.6	78.2	78.2	78.8	0.6
AQ	19,704	442	2,695	8.2	81.4	81.4	81.4	0.0
AR	20,174	448	3,705	6.1	83.2	83.2	83.2	0.0
AS	20,674	316	2,938	7.2	84.2	84.2	84.2	0.0
AT	21,120	329	2,938	7.3	86.5	86.5	86.5	0.0

¹Feet above cross section A

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: OTAY RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AU	21,465	415	1,832	12.2	91.3	91.3	91.3	0.0
AV	22,420	470	4,374	5.3	96.2	96.2	96.2	0.0
AW	23,330	379	1,744	12.7	104.1	104.1	104.1	0.0
AX	23,875	635	6,948	3.4	107.5	107.5	107.6	0.1
AY	24,245	600	5,399	4.4	107.6	107.6	107.7	0.1
AZ	25,225	514	2,049	12.3	110.7	110.7	111.2	0.5
BB	26,489	665	4,846	4.5	116.2	116.2	116.9	0.7
BC	27,534	713	2,379	9.2	117.7	117.7	118.7	1.0
BD	28,094	571	3,241	6.8	123.3	123.3	124.2	0.9
BE	28,284	590	1,599	13.8	125.3	125.3	125.3	0.0
BF	28,629	564	4,085	5.4	128.9	128.9	129.2	0.3
BG	28,959	574	3,466	6.3	129.1	129.1	129.6	0.5
BH	29,259	580	5,340	4.1	129.4	129.4	130.4	1.0
BI	29,429	600	2,128	10.3	131.8	131.8	131.8	0.0
BJ	29,619	630	4,329	5.1	133.4	133.4	133.8	0.4
BK	29,829	637	4,332	5.1	133.6	133.6	134.0	0.4
BL	30,404	650	5,548	4.0	134.0	134.0	134.7	0.7
BM	30,884	685	1,941	11.3	143.6	143.6	143.6	0.0
BN	30,964	833	6,336	3.5	145.1	145.1	145.8	0.7
BO	32,114	808	8,694	2.5	145.6	145.6	146.3	0.7
BP	33,074	520	3,145	7.0	145.7	145.7	146.3	0.6
BQ	33,824	523	3,240	6.8	148.0	148.0	148.6	0.6
BR	34,664	515	2,703	8.1	151.4	151.4	151.6	0.2

¹Feet above cross section A

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: OTAY RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BS	35,779	446	1,892	11.6	160.5	160.5	160.5	0.0
BT	36,599	520	3,324	6.6	166.0	166.0	166.1	0.1
BU	37,049	406	3,069	7.2	167.1	167.1	167.2	0.1
BV	37,549	268	1,600	13.7	169.9	169.9	169.9	0.0
BW	37,749	280	2,171	10.1	172.9	172.9	172.9	0.0
BX	38,239	315	1,872	11.7	175.3	175.3	175.3	0.0
BY	38,479	380	2,002	11.0	177.8	177.8	177.8	0.0
BZ	38,829	462	2,865	7.7	180.4	180.4	180.6	0.2
CA	39,629	762	5,569	3.9	181.5	181.5	182.5	1.0
CB	41,309	741	3,587	6.1	184.3	184.3	184.5	0.2
CC	42,409	501	2,035	10.8	192.3	192.3	192.6	0.3
CD	43,509	873	4,270	5.2	197.9	197.9	198.1	0.2
CE	44,789	1,110	3,708	5.9	201.9	201.9	201.9	0.0
CF	45,989	579	2,484	8.9	208.3	208.3	208.3	0.0
CG	46,789	794	5,009	4.4	211.2	211.2	211.4	0.2
CH	47,989	828	2,393	9.2	216.9	216.9	216.9	0.0
CI	48,989	1,155	2,657	8.3	231.4	231.4	231.4	0.0
CJ	49,889	775	3,154	7.0	238.3	238.3	238.6	0.3
CK	50,189	615	2,112	10.4	240.1	240.1	240.4	0.3
CL	50,559	619	2,878	7.6	243.5	243.5	244.2	0.7
CM	50,909	415	2,577	8.5	245.2	245.2	245.8	0.6
CN	51,569	368	1,824	12.1	250.2	250.2	250.2	0.0
CO	52,049	390	2,923	7.5	254.6	254.6	255.2	0.6

¹Feet above cross section A

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: OTAY RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
CP	53,329	437	1,893	11.6	262.1	262.1	262.1	0.0
CQ	53,499	454	1,919	11.5	264.0	264.0	264.0	0.0
CR	53,844	583	4,261	5.2	266.5	266.5	267.3	0.8
CS	54,234	659	5,891	3.7	266.8	266.8	267.8	1.0
CT	54,694	518	4,336	5.1	267.1	267.1	268.0	0.9
CU	54,974	370	3,002	7.3	267.2	267.2	268.1	0.9
CV	55,074	321	2,174	10.1	267.2	267.2	268.1	0.9
CW	55,154	297	1,777	12.4	267.4	267.4	268.1	0.7
CX	55,254	295	2,419	9.1	269.7	269.7	269.7	0.0
CY	55,524	203	1,668	13.2	269.9	269.9	270.0	0.1
CZ	55,604	165	1,361	16.2	271.2	271.2	271.2	0.0
DA	55,774	119	1,212	18.1	272.6	272.6	272.6	0.0
DB	55,934	76	1,041	21.1	281.1	281.1	281.1	0.0
DC	56,144	145	1,291	17.0	288.6	288.6	288.6	0.0
DD	56,314	103	1,155	19.0	295.9	295.9	295.9	0.0
DE	56,564	109	1,425	15.4	299.9	299.9	299.9	0.0
DF	56,754	94	1,126	19.5	300.3	300.3	300.3	0.0
DG	56,914	89	1,111	19.8	306.1	306.1	306.1	0.0
DH	57,124	114	1,186	18.5	313.4	313.4	313.4	0.0
DI	57,304	128	1,247	17.6	318.4	318.4	318.4	0.0
DJ	57,884	104	1,145	19.2	332.2	332.2	332.2	0.0
DK	58,364	164	1,341	16.4	342.1	342.1	342.1	0.0
DL	58,724	150	1,311	16.8	347.4	347.4	347.4	0.0

¹Feet above cross section A

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: OTAY RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
DM	59,494	229	2,900	7.6	355.2	355.2	355.2	0.0
DN	59,914	141	1,328	16.6	356.0	356.0	356.0	0.0
DO	60,034	165	2,114	10.4	359.8	359.8	359.8	0.0
DP	60,314	161	1,360	16.2	359.8	359.8	359.8	0.0
DQ	60,564	240	1,515	14.5	365.3	365.3	365.3	0.0
DR	60,934	196	1,427	15.4	373.7	373.7	373.7	0.0
DS	61,114	161	1,361	16.2	375.4	375.4	375.4	0.0
DT	62,014	301	4,226	5.2	381.3	381.3	381.3	0.0

¹Feet above cross section A

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: OTAY RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	265	24	276	6.2	312.6	312.6	313.6	1.0
B	300	35	146	11.6	313.7	313.7	313.7	0.0
C	675	108	477	3.6	317.1	317.1	317.4	0.3
D	960	410	1,250	1.4	317.5	317.5	317.7	0.2
E	1,440	398	323	5.3	320.0	320.0	320.0	0.0
F	1,725	258	284	6.0	325.3	325.3	325.3	0.0
G	1,955	56	172	9.9	328.8	328.8	329.0	0.2
H	2,340	157	241	7.0	334.1	334.1	334.8	0.7
I	2,815	281	291	5.8	343.4	343.4	343.4	0.0
J	3,205	197	373	6.6	349.7	349.7	350.0	0.3
K	3,495	197	493	3.4	356.3	356.3	356.3	0.0
L	3,750	144	462	3.7	360.1	360.1	360.1	0.0
M	4,120	178	307	5.5	365.9	365.9	365.9	0.0
N	4,555	298	606	2.8	373.1	373.1	374.0	0.9
O	4,840	175	384	4.4	379.2	379.2	379.9	0.7
P	5,215	217	382	4.5	386.3	386.3	386.3	0.0
Q	5,485	78	222	7.7	389.6	389.6	389.9	0.3
R	5,730	58	172	9.9	391.5	391.5	391.6	0.1
S	6,030	48	166	10.3	399.5	399.5	399.9	0.4
T	6,430	37	152	11.2	415.0	415.0	415.2	0.2
U	6,845	53	178	9.6	432.4	432.4	432.7	0.3
V	7,180	25	130	13.1	444.7	444.7	444.9	0.2

¹Feet above Interstate Highway 15

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: PALA MESA CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1.95	165	*	*	14.7	14.7	14.7	0.0
B	2.10	225	*	*	17.5	17.5	17.5	0.0
C	3.88	200	289	5.2	118.1	118.1	118.5	0.4
D	3.96	50	159	9.4	122.8	122.8	123.2	0.4
E	4.08	50	145	10.3	130.1	130.1	131.1	1.0
F	4.27	185	*	*	*	145.1	145.1	*
G	4.37	125	*	*	*	149.9	149.9	*
H	4.48	80	*	*	*	156.4	156.4	*
I	4.62	50	*	*	*	163.7	163.7	*

¹Miles above mouth

²Data not available

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: PARADISE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,266	52	411	7.4	54.3	53.7 ²	54.1 ²	0.4
B	1,861	48	412	6.3	54.3	54.2 ²	54.5 ²	0.3
C	2,165	56	526	4.7	54.4	54.4	54.8	0.4
D	2,407	43	436	5.2	54.6	54.6	54.9	0.3
E	2,677	40	414	5.4	54.6	54.6	54.9	0.3
F	3,160	54	454	5.4	54.7	54.7	55.0	0.3
G	3,454	50	416	5.8	54.7	54.7	55.0	0.3
H	3,862	43	415	5.4	54.8	54.8	55.1	0.3
I	4,323	42	399	3.7	55.1	55.1	55.3	0.2
J	4,804	43	387	3.8	55.1	55.1	55.4	0.3
K	5,109	43	377	3.9	55.1	55.1	55.4	0.3
L	5,497	40	334	4.5	55.1	55.1	55.4	0.3
M	5,886	41	351	4.3	55.1	55.1	55.4	0.3

¹Feet above confluence with San Luis Rey River

²Elevation computed without consideration of backwater effects from San Luis Rey River

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: PILGRIM CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	773	34	125	11.2	93.2	93.2	93.2	0.0
B	1,090	67	293	4.8	105.2	105.2	105.2	0.0
C	1,744	88	196	7.2	109.0	109.0	109.0	0.0
D	3,178	34	127	11.1	133.2	133.2	133.2	0.0
E	5,038	45	266	5.5	163.3	163.3	163.3	0.0
F	5,852	34	127	11.1	166.9	166.9	166.9	0.0

¹Feet above mouth

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: POGGI CANYON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	626	55	380	5.5	434.9	434.9	435.8	0.9
B	1,030	54	306	6.8	438.0	438.0	438.3	0.3

¹Feet above confluence with Poway Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: POMERADO CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	190	172	1,426	9.8	410.1	410.1	410.1	0.0
B	680	251	2,083	6.7	414.2	414.2	414.3	0.1
C	1,310	202	1,421	9.9	418.6	418.6	418.6	0.0
D	2,125	210	1,074	11.2	425.7	425.7	426.1	0.4
E	2,870	509	2,265	5.3	430.1	430.1	430.6	0.5
F	3,430	219	1,237	7.8	432.9	432.9	432.9	0.0
G	4,290	125	917	10.6	436.5	436.5	436.6	0.1
H	4,910	141	1,241	7.8	442.9	442.9	443.0	0.1
I	6,135	233	1,616	8.2	452.6	452.6	453.2	0.6
J	6,820	192	1,101	14.5	454.3	454.3	454.3	0.0
K	8,060	195	1,347	7.2	460.3	460.3	460.3	0.0
L	9,620	111	654	9.6	472.7	472.7	472.7	0.0
M	10,410	109	675	9.3	478.7	478.7	478.7	0.0
N	11,575	74	660	9.5	487.0	487.0	488.0	1.0
O	12,505	114	966	6.0	492.2	492.2	492.3	0.1
P	13,145	*	*	*	*	*	*	*
Q	14,730	300	1,185	4.7	518.2	518.2	518.2	0.0
R	16,030	382	938	6.0	522.8	522.8	522.8	0.0
S	16,910	390	1,252	4.5	529.0	529.0	529.2	0.2
T	17,590	518	1,471	3.8	532.0	532.0	532.3	0.3
U	18,400	146	385	20.0	537.5	537.5	537.5	0.0
V	19,490	242	635	8.8	544.3	544.3	544.5	0.2

¹Feet above the City of Poway corporate limits

*Data not available

TABLE 24	FEDERAL EMERGENCY MANAGEMENT AGENCY SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS	FLOODWAY DATA FLOODING SOURCE: POWAY CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	64	591	8.1	1,030.6	1,030.6	1,031.6	1.0
B	136	55	881	5.4	1,038.1	1,038.1	1,038.1	0.0
C	170	48	690	7.0	1,038.2	1,038.2	1,038.2	0.0
D	872	237	1,805	2.7	1,038.2	1,038.2	1,039.0	0.8
E	1,216	320	1,973	2.4	1,038.5	1,038.5	1,039.3	0.8
F	1,431	395	2,025	2.4	1,038.6	1,038.6	1,039.4	0.8
G	1,494	377	2,035	2.4	1,038.6	1,038.6	1,039.4	0.8
H	1,940	185	751	6.4	1,039.6	1,039.6	1,040.3	0.7
I	2,480	141	741	6.5	1,043.5	1,043.5	1,044.5	1.0
J	2,942	362	2,059	2.3	1,045.8	1,045.8	1,046.6	0.8
K	3,092	527	2,332	2.1	1,045.9	1,045.9	1,046.7	0.8
L	3,822	493	1,713	2.9	1,047.5	1,047.5	1,048.4	0.9
M	4,112	280	859	3.4	1,048.0	1,048.0	1,049.0	1.0
N	4,742	390	1,106	2.7	1,051.5	1,051.5	1,052.1	0.6
O	5,212	478	867	3.5	1,052.4	1,052.4	1,053.2	0.8
P	5,542	429	702	5.0	1,055.8	1,055.8	1,056.4	0.6
Q	5,922	520	1,497	2.4	1,059.0	1,059.0	1,059.8	0.8
R	6,955	174	580	6.1	1,063.2	1,063.2	1,063.9	0.7
S	7,772	93	415	8.5	1,067.9	1,067.9	1,068.3	0.4
T	8,170	70	361	9.8	1,071.0	1,071.0	1,071.0	0.0
U	8,904	42	257	13.7	1,075.7	1,075.7	1,075.7	0.0

¹Feet above Interstate Highway 15

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: RAINBOW CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	720	314	1,204	4.2	1,047.5	1,047.5	1,048.5	1.0
B	1,130	68	273	9.6	1,049.6	1,049.6	1,049.9	0.3
C	1,958	210	695	3.1	1,055.2	1,055.2	1,056.1	0.9
D	2,258	250	384	5.5	1,058.2	1,058.2	1,058.2	0.0
E	2,292	260	1,084	2.0	1,058.9	1,058.9	1,059.8	0.9
F	2,357	234	999	2.1	1,060.4	1,060.4	1,060.5	0.1
G	2,638	83	348	6.1	1,060.5	1,060.5	1,060.8	0.3
H	2,937	105	357	6.0	1,061.5	1,061.5	1,062.4	0.9
I	3,354	47	321	6.6	1,063.1	1,063.1	1,063.9	0.8
J	3,670	42	180	11.9	1,066.5	1,066.5	1,066.5	0.0
K	4,231	46	227	9.4	1,071.9	1,071.9	1,072.6	0.7

¹Feet above confluence with Rainbow Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: RAINBOW CREEK (WEST BRANCH)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	731	97	370	10.6	466.5	466.5	466.5	0.0
B	1,173	92	447	8.7	470.0	470.0	470.3	0.3
C	1,786	119	592	6.6	476.0	476.0	476.0	0.0
D	2,328	70	456	6.8	480.0	480.0	480.4	0.4
E	3,670	51	428	7.2	498.6	498.6	498.8	0.2
F	4,434	82	680	*	502.8	502.8	502.9	0.1
G	5,497	62	408	9.6	504.1	504.1	504.3	0.2
H	5,905	88	742	5.3	508.1	508.1	508.1	0.0
I	6,528	80	534	7.3	509.9	509.9	509.9	0.0
J	7,980	300	943	4.1	519.4	519.4	519.8	0.4
K	8,680	624	1,043	3.7	526.5	526.5	526.8	0.3
L	9,080	627/689 ²	1,333	2.8	529.7	529.7	530.1	0.4
M	9,630	297/367 ²	508	5.7	534.0	534.0	534.4	0.4
N	10,050	55/172 ²	356	4.4	540.4	540.4	540.4	0.0
O	10,850	68	337	9.8	548.6	548.6	548.8	0.2
P	11,450	220	409	9.4	556.0	556.0	556.5	0.5
Q	12,245	88	392	8.4	560.3	560.3	560.3	0.0
R	13,040	280	711	7.5	569.2	569.2	569.5	0.3
S	13,670	240	607	5.4	573.7	573.7	574.2	0.5
T	14,430	230	1,431	2.3	583.0	583.0	583.0	0.0
U	15,440	261	429	6.1	588.2	588.2	588.2	0.0

¹Feet above confluence with Poway Creek

²Width/width of combined floodway with Split Flow and Midland Road

*Data not available

TABLE 24	FEDERAL EMERGENCY MANAGEMENT AGENCY SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS	FLOODWAY DATA FLOODING SOURCE: RATTLESNAKE CREEK
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LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
V	16,330	200	379	6.9	599.0	599.0	599.0	0.0
W	17,090	130	315	8.3	610.8	610.8	610.8	0.0
X	18,030	90	289	9.0	628.3	628.3	628.3	0.0

¹Feet above confluence with Poway Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: RATTLESNAKE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	673	55	104	7.6	481.5	481.5	481.7	0.2
B	1,900	162	507	1.7	492.0	492.0	492.7	0.7
C	2,674	150	251	4.0	495.5	495.5	495.5	0.0

¹Feet above confluence with Rattlesnake Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: RATTLESNAKE CREEK SPLIT FLOW AT HERITAGE HILLS

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
L	40	62/689 ²	50	0.2	532.7	532.7	532.7	0.0
M	670	70/367 ²	175	9.0	536.5	536.5	536.5	0.0
N	890	117/172 ²	386	4.7	540.4	540.4	540.4	0.0

¹Feet above confluence with Rattlesnake Creek

²Width/width of combined floodway with Rattlesnake Creek

TABLE 24

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

FLOODWAY DATA

**FLOODING SOURCE: RATTLESNAKE CREEK SPLIT FLOW AT
 MIDLAND ROAD**

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	11,500	419	1,526	5.4	692.2	692.2	692.2	0.0
B	12,185	322	1,170	7.1	694.4	694.4	694.6	0.2
C	13,338	224	1,350	5.7	700.3	700.3	701.2	0.9
D	13,873	174	1,223	6.3	704.7	704.7	704.8	0.1
E	14,632	110	639	10.3	708.6	708.6	708.7	0.1
F	15,261	131	1,118	6.6	715.3	715.3	715.3	0.0
G	16,270	164	897	8.6	720.0	720.0	720.0	0.0
H	16,900	185	1,140	7.0	722.7	722.7	722.7	0.0
I	17,661	172	1,040	5.8	728.9	728.9	729.6	0.7
J	18,464	158	1,082	5.2	735.6	735.6	736.4	0.8
K	19,066	119	1,081	4.5	740.0	740.0	740.4	0.4
L	19,467	153	1,390	3.5	741.4	741.4	742.1	0.7
M	20,539	183	502	10.2	755.8	755.8	755.9	0.1
N	21,087	331	817	2.1	759.1	759.1	760.0	0.9
O	21,623	385	675	2.7	763.1	763.1	763.5	0.4
P	22,127	318	752	2.3	768.1	768.1	769.1	1.0
Q	22,365	366	778	5.1	770.6	770.6	770.9	0.3
R	22,630	275	549	7.3	772.9	772.9	773.0	0.1
S	22,830	100	386	10.4	777.5	777.5	777.5	0.0
T	23,205	270	609	6.6	781.1	781.1	781.9	0.8
U	23,465	330	651	6.1	783.8	783.8	783.9	0.1
V	23,645	380	1,013	3.9	785.7	785.7	785.9	0.2
W	23,920	485	1,117	3.6	786.8	786.8	786.8	0.0
X	24,240	545	690	4.9	788.7	788.7	788.8	0.1

¹Feet above confluence with Escondido Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: REIDY CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Y	25,055	200	491	6.9	796.9	796.9	797.7	0.8
Z	25,545	140	421	8.1	801.4	801.4	802.2	0.8
AA	25,860	200	450	7.5	805.1	805.1	805.2	0.1
AB	26,150	195	496	6.9	808.5	808.5	808.6	0.1
AC	26,440	300	528	6.4	812.5	812.5	812.6	0.1
AD	27,040	125	399	8.5	819.8	819.8	820.4	0.6
AE	27,830	150	418	8.1	829.7	829.7	830.3	0.6
AF	28,225	240	548	6.2	835.2	835.2	835.3	0.1
AG	29,100	76	264	10.6	842.5	842.5	842.5	0.0
AH	29,550	73	264	10.6	849.6	849.6	849.6	0.0
AI	30,110	528	679	4.1	856.2	856.2	856.3	0.1
AJ	30,615	317	699	4.0	859.8	859.8	860.5	0.7
AK	30,935	170	378	7.4	865.5	865.5	865.7	0.2
AL	31,305	230	509	5.5	870.0	870.0	870.1	0.1
AM	31,630	180	411	6.8	872.3	872.3	872.4	0.1
AN	31,910	135	355	7.9	876.6	876.6	877.0	0.4
AO	32,230	218	457	6.1	879.5	879.5	880.0	0.5
AP	32,500	86	298	9.4	882.0	882.0	882.0	0.0
AQ	33,045	176	265	6.0	888.7	888.7	888.9	0.2
AR	33,310	240	377	4.2	891.2	891.2	891.5	0.3
AS	33,820	101	262	6.1	894.1	894.1	894.4	0.3
AT	34,195	100	213	7.5	897.5	897.5	897.5	0.0
AU	34,480	130	234	6.8	902.9	902.9	902.9	0.0

¹Feet above confluence with Escondido Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: REIDY CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,560	70	380	3.7	45.0	41.4 ²	41.8 ²	0.4
B	1,978	45	182	7.7	47.3	42.2 ²	42.4 ²	0.2

¹Feet above confluence with Sweetwater River

²Elevation computed without consideration of flooding controlled by Sweetwater River

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: RICE CANYON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	415	123	574	12.2	3,400.9	3,400.9	3,400.9	0.0
B	665	125	669	13.3	3,403.2	3,403.2	3,403.2	0.0
C	1,015	95	759	11.7	3,406.2	3,406.2	3,406.2	0.0
D	1,525	70	553	16.1	3,411.1	3,411.1	3,411.1	0.0
E	1,773	77	584	15.3	3,414.0	3,414.0	3,414.0	0.0
F	1,873	69	553	16.1	3,428.5	3,428.5	3,428.5	0.0
G	2,115	101	626	14.2	3,456.5	3,456.5	3,456.5	0.0
H	2,445	92	804	11.1	3,459.9	3,459.9	3,459.9	0.0
I	2,698	63	585	15.2	3,460.2	3,460.2	3,460.2	0.0
J	2,896	85	751	11.8	3,462.9	3,462.9	3,462.9	0.0
K	2,936	170	744	12.0	3,472.6	3,472.6	3,473.5	0.9
L	3,126	120	663	13.4	3,478.0	3,478.0	3,479.0	1.0
M	3,386	95	717	12.4	3,480.7	3,480.7	3,481.7	1.0
N	3,536	92	611	14.6	3,482.4	3,482.4	3,482.5	0.1
O	3,679	90	1,071	8.3	3,486.1	3,486.1	3,486.1	0.0
P	3,899	90	1,062	8.4	3,486.1	3,486.1	3,486.1	0.0
Q	4,174	64	534	16.7	3,490.5	3,490.5	3,490.5	0.0
R	4,350	95	1,086	5.0	3,495.1	3,495.1	3,495.1	0.0
S	4,810	125	486	11.1	3,498.1	3,498.1	3,498.1	0.0
T	4,950	91	500	10.8	3,499.3	3,499.3	3,499.3	0.0
U	5,043	91	588	9.2	3,500.4	3,500.4	3,500.4	0.0
V	5,208	95	449	12.0	3,501.2	3,501.2	3,501.2	0.0
W	5,901	103	576	9.4	3,506.9	3,506.9	3,506.9	0.0

¹Feet above confluence with Sweetwater River (Descanso Area)

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SAMAGUTUMA CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
X	6,221	61	377	14.3	3,510.6	3,510.6	3,510.6	0.0
Y	6,261	64	427	12.7	3,511.3	3,511.3	3,511.3	0.0
Z	6,391	180	892	6.1	3,514.0	3,514.0	3,514.0	0.0
AA	6,781	91	433	12.5	3,518.2	3,518.2	3,518.2	0.0
AB	6,971	71	396	13.6	3,537.6	3,537.6	3,537.6	0.0
AC	7,791	51	437	12.3	3,551.8	3,551.8	3,551.8	0.0
AD	8,271	90	444	12.2	3,559.3	3,559.3	3,559.4	0.1
AE	8,771	80	500	10.8	3,565.9	3,565.9	3,566.4	0.5
AF	9,231	100	477	11.3	3,570.6	3,570.6	3,570.9	0.3
AG	9,531	90	431	12.5	3,578.8	3,578.8	3,578.8	0.0
AH	10,011	80	414	13.0	3,585.8	3,585.8	3,585.8	0.0
AI	10,491	107	459	11.8	3,595.1	3,595.1	3,595.1	0.0
AJ	10,771	121	478	11.3	3,603.9	3,603.9	3,603.9	0.0
AK	11,071	75	405	13.3	3,612.3	3,612.3	3,612.4	0.1
AL	11,471	113	464	11.6	3,624.1	3,624.1	3,624.1	0.0
AM	11,801	61	380	14.2	3,642.4	3,642.4	3,642.5	0.1
AN	12,329	91	432	12.5	3,668.1	3,668.1	3,668.1	0.0
AO	12,538	64	387	13.9	3,693.8	3,693.8	3,693.8	0.0

¹Feet above confluence with Sweetwater River (Descanso Area)

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SAMAGUTUMA CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
ZT	2,028	920	8,370	4.3	10.5	10.5	10.5	0.0
ZU	7,268	894	9,057	4.0	12.3	12.3	12.3	0.0
ZV	14,028	865	7,381	4.9	14.7	14.7	14.7	0.0
ZW	19,598	876	8,833	5.7	21.8	21.8	21.8	0.0
ZX	23,862	898	6,677	5.9	26.5	26.5	26.5	0.0
ZY	25,563	952	5,972	8.0	28.2	28.2	28.8	0.6
ZZ	26,433	1,180	8,882	4.7	30.1	30.1	30.4	0.3
A	27,462	830	3,439	12.3	31.4	31.4	31.4	0.0
B	27,654	877	4,920	4.5	33.2	33.2	33.2	0.0
C	27,882	775	5,051	4.9	34.0	34.0	34.0	0.0
D	28,791	531	5,828	3.6	35.8	35.8	35.8	0.0
E	29,173	619	6,351	4.0	36.7	36.7	36.7	0.0
F	29,624	601	5,266	5.2	37.2	37.2	37.2	0.0
G	31,782	352	6,440	5.6	38.3	38.3	39.3	1.0
H	33,732	405	6,258	5.8	41.5	41.5	41.9	0.4
I	35,769	337	6,058	5.9	42.8	42.8	43.1	0.3
J	37,116	336	6,148	5.9	46.3	46.3	46.4	0.1
K	38,574	415	7,545	4.8	47.6	47.6	47.6	0.0
L	41,149	432	8,647	4.2	48.7	48.7	48.7	0.0
M	43,814	538	4,900	7.6	53.8	53.8	54.1	0.3
N	45,704	303	3,144	11.5	57.8	57.8	57.8	0.0
O	48,553	828	11,269	3.2	66.5	66.5	66.6	0.1
P	51,043	360	4,444	8.1	71.4	71.4	71.7	0.3
Q	52,448	462	6,382	5.6	72.7	72.7	73.2	0.5
R	53,280	372	5,667	6.4	73.7	73.7	74.2	0.5

¹Feet above Pacific Ocean

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SAN DIEGO RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
S	53,766 ¹	470	4,478	8.1	73.7	73.7	74.2	0.5
T	54,319 ¹	229	2,166	16.6	76.8	76.8	76.8	0.0
U	56,074 ¹	659	7,841	4.6	90.1	90.1	90.1	0.0
V	58,207 ¹	305	4,851	7.4	90.4	90.4	90.8	0.0
W	59,830 ¹	679	10,284	3.5	91.4	91.4	91.9	0.0
X	60,500 ¹	407	2,847	12.6	91.1	91.1	91.3	0.0
Y	61,250 ¹	331	3,185	11.3	95.5	95.5	96.3	0.0
Z	61,705 ¹	346	4,382	8.2	98.8	98.8	98.8	0.0
AA	63,575 ¹	472	3,677	9.8	104.6	104.6	104.8	0.0
AB	65,927 ¹	132	1,954	18.4	114.1	114.1	114.1	0.0
AC	66,802 ¹	246	3,024	11.9	121.6	121.6	121.6	0.0
AD	67,180 ¹	233	3,259	11.0	123.1	123.1	123.1	0.0
AE	68,438 ¹	153	2,402	15.0	130.3	130.3	130.3	0.0
AF	0 ²	280	4,770	7.9	291.5	291.5	292.5	0.0
AG	98 ²	280	4,243	8.9	293.9	293.9	294.6	0.0
AH	618 ²	275	5,118	7.4	297.8	297.8	298.6	0.0
AI	1,170 ²	270	5,075	7.5	299.7	299.7	300.7	0.0
AJ	1,710 ²	545	8,606	4.4	301.5	301.5	302.4	0.0
AK	2,400 ²	865	10,394	3.7	302.0	302.0	303.0	0.0
AL	2,750 ²	1,045	11,054	3.4	302.2	302.2	303.2	0.0
AM	3,050 ²	1,200	14,092	2.7	302.3	302.3	303.3	0.0
AN	3,600 ²	1,290	17,618	2.2	302.5	302.5	303.5	0.0
AO	4,200 ²	1,090	14,230	2.7	302.6	302.6	303.5	0.0

¹Feet above Pacific Ocean

²Feet above Limit of Detailed Study

TABLE 24	FEDERAL EMERGENCY MANAGEMENT AGENCY SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS	FLOODWAY DATA
		FLOODING SOURCE: SAN DIEGO RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AP	4,550	1,040	11,769	3.2	302.6	302.6	303.6	0.0
AQ	5,000	970	8,438	4.5	302.9	302.9	303.8	0.0
AR	5,487	735	6,465	5.9	303.6	303.6	304.5	0.0
AS	5,900	660	5,790	6.6	304.8	304.8	305.8	0.0
AT	6,220	498	5,410	7.0	306.7	306.7	307.3	0.6
AU	7,097	695	7,383	5.1	309.6	309.6	310.3	0.7
AV	8,128	600	5,647	6.7	311.7	311.7	312.6	0.9
AW	9,079	560	6,111	6.1	315.3	315.3	315.6	0.3
AX	10,100	1,300	12,607	3.0	317.0	317.0	317.3	0.3
AY	11,441	1,557	10,122	3.8	318.3	318.3	318.6	0.3
AZ	12,095	1,470	9,785	3.9	319.5	319.5	319.8	0.3
BA	12,800	1,545	9,949	3.7	320.2	320.2	320.4	0.2
BB	14,100	799	*	*	321.3	321.3	321.5	0.2
BC	14,889	930	*	*	323.2	323.2	323.3	0.1
BD	15,927	875	*	*	329.1	329.1	329.1	0.0
BE	16,611	990	*	*	329.7	329.7	329.7	0.0
BF	17,629	728	*	*	330.5	330.5	331.2	0.7
BG	19,199	775	*	*	334.5	334.5	335.0	0.5
BH	19,945	462	*	*	335.5	335.5	336.1	0.6
BI	20,798	995	*	*	338.4	338.4	338.4	0.0
BJ	21,874	1,000	*	*	342.5	342.5	342.5	0.0
BK	22,720	1,011	*	*	342.6	342.6	342.7	0.1

¹Feet above Limit of Detailed Study

*Data not available

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SAN DIEGO RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BL	23,476 ¹	950	*	*	347.4	347.4	348.1	0.7
BM	24,294 ¹	575	*	*	348.5	348.5	349.0	0.5
BN	25,555 ¹	655	*	*	350.4	350.4	350.6	0.2
BO	26,863 ¹	512	*	*	350.7	350.7	350.9	0.2
BP	28,470 ¹	737	*	*	351.9	351.9	352.2	0.3
BQ	29,216 ¹	443	*	*	351.8	351.8	352.1	0.3
BR	29,954 ¹	417	*	*	352.4	352.4	352.7	0.3
BS	-1,359 ²	391	6,448	5.1	364.5	364.5	364.5	0.0
BT	-420 ²	368	4,326	4.6	365.3	365.3	365.3	0.0
BU	250 ²	375	5,147	6.4	367.4	367.4	367.4	0.0
BV	1,231 ²	310	2,936	11.2	370.9	370.9	370.9	0.0
BW	2,408 ²	595	11,947	3.0	375.1	375.1	375.1	0.0
BX	3,197 ²	888	14,457	2.3	375.4	375.4	375.6	0.2
BY	4,487 ²	503	8,458	3.8	377.0	377.0	377.2	0.2
BZ	6,307 ²	521	6,535	4.9	383.0	383.0	383.2	0.2
CA	7,389 ²	392	3,659	8.7	392.8	392.8	392.8	0.0
CB	8,667 ²	505	6,521	4.9	397.3	397.3	397.3	0.0
CC	10,350 ²	588	5,224	5.9	399.3	399.3	399.4	0.1

¹Feet above Limit of Detailed Study

²Feet above Riverford Bridge

*Data not available

TABLE 24

SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: SAN DIEGO RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	642	920	6,206	7.1	12.8	12.8	12.8	0.0
B	1,918	541	5,247	9.1	17.1	17.1	17.1	0.0
C	2,428	469	5,168	9.7	17.7	17.7	17.7	0.0
D	3,156	772	10,328	4.5	20.2	20.2	20.8	0.6
E	5,333	1,082	13,465	3.7	20.6	20.6	21.3	0.7

¹Feet above mouth

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SAN DIEGUITO RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	335	916	2.3	14.8	11.6 ²	12.6 ²	1.0
B	1,105	227	498	4.2	18.6	18.6	19.0	0.4

¹Feet above San Elijo Lagoon

²Elevation computed without consideration of backwater effects from San Elijo Lagoon

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SAN ELIJO CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AA	37,967	696	5,939	8.6	84.5	84.5	84.5	0.0
AB	39,077	569	4,832	10.6	86.1	86.1	86.1	0.0
AC	39,988	486	4,549	11.2	89.6	89.6	89.6	0.0
AD	41,170	505	5,262	9.7	93.1	93.1	93.1	0.0
AE	41,902	845	7,143	7.1	94.9	94.9	94.9	0.0
AF	43,190	931	6,808	7.5	96.4	96.4	96.4	0.0
AG	43,984	898	8,150	6.3	97.8	97.8	97.9	0.1
AH	45,225	1,112	8,534	6.0	99.0	99.0	99.2	0.2
AI	46,961	909	4,652	11.0	102.9	102.9	102.9	0.0
AJ	48,039	760	4,523	11.3	106.3	106.3	106.3	0.0
AK	48,970	715	7,051	7.2	109.4	109.4	109.5	0.1
AL	50,002	862	5,170	9.9	110.6	110.6	110.8	0.2
AM	51,602	808	6,815	7.5	115.6	115.6	115.6	0.0
AN	53,234	992	6,850	7.4	118.3	118.3	118.3	0.0
AO	55,408	1,090	9,731	5.2	121.9	121.9	122.1	0.2
AP	56,382	938	7,533	6.8	122.9	122.9	123.2	0.3
AQ	58,139	575	6,140	8.3	127.4	127.4	127.4	0.0
AR	59,318	650	4,840	10.5	128.9	128.9	129.1	0.2

¹Feet above mouth

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SAN LUIS REY RIVER (AT OCEANSIDE)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,770	500	3,145	4.7	517.6	517.6	518.2	0.6
B	3,420	200	1,679	7.8	523.1	523.1	523.4	0.3
C	5,090	590	3,181	4.1	528.6	528.6	529.2	0.6
D	6,877	800	4,417	3.0	536.3	536.3	536.9	0.6
E	8,077	559	2,198	4.1	541.4	541.4	541.4	0.0
F	9,367	510	1,720	5.3	544.3	544.3	544.3	0.0
G	10,855	407	1,931	4.7	552.5	552.5	552.5	0.0
H	12,245	300	1,742	7.2	563.1	563.1	563.1	0.0
I	13,655	252	2,087	6.0	567.7	567.7	568.4	0.7
J	14,920	245	2,079	2.5	574.8	574.8	574.8	0.0
K	15,657	220	1,043	4.2	576.5	576.5	576.5	0.0
L	16,782	175	1,164	4.9	589.6	589.6	589.6	0.0
M	18,222	130	436	10.1	596.5	596.5	596.6	0.1
N	19,614	227	681	6.5	610.1	610.1	610.6	0.5
O	20,585	103	630	7.0	619.7	619.7	620.7	1.0
P	21,225	181	760	5.8	624.3	624.3	625.3	1.0

¹Feet above Lake San Marcos

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SAN MARCOS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,980	460	500	4.9	547.7	547.7	547.7	0.0
B	2,640	286	593	4.1	550.6	550.6	550.6	0.0
C	4,310	304	1,775	2.3	562.9	562.9	562.9	0.0

¹Feet above confluence with San Marcos Creek

TABLE 24	FEDERAL EMERGENCY MANAGEMENT AGENCY SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS	FLOODWAY DATA
		FLOODING SOURCE: SAN MARCOS CREEK - HIGHWAY 78 SPLIT FLOW

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	1,059	3,472	4.6	413.8	413.8	413.8	0.0
B	250	1,234	3,178	5.0	414.6	414.6	414.7	0.1
C	570	1,224	3,446	4.6	415.5	415.5	415.8	0.3
D	1,120	1,479	4,130	3.9	417.2	417.2	417.5	0.3
E	1,680	1,230	3,654	4.4	418.9	418.9	419.6	0.7
F	2,220	1,212	4,569	3.5	420.2	420.2	421.2	1.0
G	2,670	1,221	4,008	4.0	421.4	421.4	422.1	0.7
H	3,405	1,731	4,294	3.7	423.3	423.3	424.1	0.8
I	3,925	915	3,152	5.1	425.2	425.2	426.1	0.9
J	4,425	804	3,698	4.3	427.3	427.3	428.2	0.9
K	4,795	971	3,688	4.3	428.4	428.4	429.3	0.9
L	5,255	1,071	3,901	4.1	429.9	429.9	430.8	0.9
M	5,685	1,210	3,819	4.2	431.2	431.2	432.1	0.9
N	5,885	1,230	3,590	4.5	431.8	431.8	432.7	0.9
O	6,085	1,102	3,511	4.6	432.6	432.6	433.5	0.9
P	6,405	1,207	3,903	4.1	433.6	433.6	434.5	0.9
Q	7,025	934	2,602	6.2	435.6	435.6	436.4	0.8
R	7,540	1,224	3,776	4.2	437.9	437.9	438.9	1.0
S	8,280	1,301	4,126	3.9	440.0	440.0	440.9	0.9
T	8,480	1,268	3,591	4.5	440.5	440.5	441.4	0.9
U	8,670	1,315	4,142	3.9	441.5	441.5	442.1	0.6
V	9,070	1,128	3,412	3.8	442.8	442.8	443.7	0.9
W	9,720	948	2,473	5.3	444.3	444.3	445.2	0.9
X	10,460	994	3,500	3.7	447.0	447.0	447.9	0.9
Y	10,830	860	2,982	4.4	449.2	449.2	450.1	0.9

¹Feet above Cross Section A

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SAN VICENTE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Z	11,130	758	2,662	4.9	450.0	450.0	450.9	0.9
AA	11,460	666	2,339	5.6	451.1	451.1	452.0	0.9
AB	11,850	702	2,551	5.1	452.5	452.5	453.5	1.0
AC	12,090	699	2,432	5.3	453.4	453.4	454.4	1.0
AD	12,310	580	2,828	4.6	454.3	454.3	455.2	0.9
AE	12,475	605	2,850	4.6	454.8	454.8	455.7	0.9
AF	12,630	595	2,730	4.8	455.4	455.4	456.3	0.9
AG	12,800	559	2,397	5.4	456.2	456.2	457.1	0.9
AH	13,000	397	2,155	6.0	457.2	457.2	458.1	0.9
AI	13,365	828	3,361	3.9	458.3	458.3	459.3	1.0
AJ	13,855	303	1,182	11.0	463.0	463.0	463.3	0.3
AK	14,105	387	3,734	3.5	465.2	465.2	465.6	0.4
AL	14,325	194	1,373	9.5	465.2	465.2	465.6	0.4
AM	15,035	133	701	14.4	471.9	471.9	472.0	0.1

¹Feet above Cross Section A

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SAN VICENTE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,240	372	2,040	12.7	373.3	373.3	373.3	0.0
B	2,390	464	2,703	9.6	378.1	378.1	378.1	0.0
C	3,545	329	2,178	11.9	382.8	382.8	382.8	0.0
D	3,826	291	2,133	12.2	384.3	384.3	384.3	0.0
E	4,013	635	4,565	5.7	387.1	387.1	387.2	0.1
F	4,717	567	2,527	8.3	387.9	387.9	388.1	0.2
G	5,409	248	1,867	10.2	390.4	390.4	390.4	0.0
H	6,145	188	1,348	14.1	392.0	392.0	392.1	0.1
I	7,765	244	2,301	8.3	398.5	398.5	398.7	0.2
J	8,411	170	1,716	1.1	399.5	399.5	399.7	0.2
K	8,481	195	1,814	10.5	399.8	399.8	400.0	0.2
L	9,232	348	4,006	4.7	402.2	402.2	402.3	0.1
M	10,140	176	1,761	10.8	402.5	402.5	402.7	0.2

¹Feet above confluence with Santa Ysabel Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SANTA MARIA CREEK (SAN PASQUAL VALLEY AREA)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	375	311	2,726	6.4	1,317.9	1,317.9	1,318.9	1.0
B	950	142	1,300	13.3	1,320.1	1,320.1	1,320.3	0.2
C	1,355	140	1,425	12.1	1,326.1	1,326.1	1,327.1	1.0
D	2,035	323	3,562	4.9	1,329.0	1,329.0	1,329.8	0.8
E	3,165	248	2,291	7.6	1,332.5	1,332.5	1,332.9	0.4
F	3,845	368	3,194	5.4	1,333.9	1,333.9	1,334.2	0.3
G	4,710	216	1,979	8.7	1,334.6	1,334.6	1,335.5	0.9
H	5,950	379	2,095	8.3	1,338.1	1,338.1	1,339.0	0.9
I	6,680	464	3,187	5.4	1,340.3	1,340.3	1,341.3	1.0
J	7,980	630	3,380	5.1	1,343.8	1,343.8	1,344.1	0.3
K	8,575	710	3,350	5.2	1,344.4	1,344.4	1,344.9	0.5
L	8,680	671	2,542	6.8	1,344.5	1,344.5	1,345.0	0.5
M	9,380	690	3,012	5.7	1,347.5	1,347.5	1,347.9	0.4
N	11,060	838	4,107	4.2	1,351.0	1,351.0	1,352.0	1.0
O	12,270	854	3,686	4.7	1,353.4	1,353.4	1,354.4	1.0
P	13,450	649	2,714	6.4	1,356.9	1,356.9	1,357.9	1.0
Q	14,040	749	3,653	4.7	1,358.5	1,358.5	1,359.5	1.0
R	14,485	525	2,532	6.8	1,359.3	1,359.3	1,360.3	1.0
S	15,110	894	4,372	4.0	1,361.0	1,361.0	1,362.0	1.0
T	16,430	470	1,642	10.5	1,364.3	1,364.3	1,364.3	0.0
U	16,930	875	3,804	4.6	1,369.0	1,369.0	1,369.0	0.0
V	17,760	704	2,995	5.8	1,371.0	1,371.0	1,372.0	1.0
W	18,710	1,090	5,200	3.3	1,372.7	1,372.7	1,373.7	1.0
X	19,295	719	2,386	7.3	1,373.4	1,373.4	1,374.2	0.8
Y	20,720	300	2,013	7.8	1,379.1	1,379.1	1,380.0	0.9

¹Feet above downstream Limit of Detailed Study

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SANTA MARIA CREEK (SANTA MARIA VALLEY AREA)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Z	21,070	465	2,040	7.7	1,380.7	1,380.7	1,381.5	0.8
AA	21,620	392	2,250	6.9	1,383.5	1,383.5	1,383.7	0.2
AB	22,450	407	2,170	7.2	1,385.9	1,385.9	1,386.0	0.1
AC	23,055	300	1,665	9.4	1,387.3	1,387.3	1,388.2	0.9
AD	23,605	396	2,328	6.7	1,391.3	1,391.3	1,391.3	0.0
AE	24,120	304	2,105	7.4	1,393.5	1,393.5	1,393.8	0.3
AF	25,330	515	3,253	4.8	1,397.5	1,397.5	1,398.1	0.6
AG	26,220	570	2,359	6.6	1,401.0	1,401.0	1,401.1	0.1
AH	26,840	530	2,648	5.9	1,403.4	1,403.4	1,404.0	0.6
AI	28,750	820	4,379	3.6	1,409.8	1,409.8	1,410.7	0.9
AJ	28,850	930	5,142	3.0	1,410.5	1,410.5	1,411.3	0.8
AK	30,130	460	2,216	7.0	1,413.7	1,413.7	1,414.0	0.3
AL	30,630	565	2,455	6.4	1,415.2	1,415.2	1,416.2	1.0
AM	31,160	527	2,449	6.4	1,417.1	1,417.1	1,418.0	0.9
AN	31,905	610	3,146	5.0	1,421.3	1,421.3	1,422.1	0.8
AO	32,200	395	811	11.2	1,421.3	1,421.3	1,421.9	0.6
AP	32,500	231	1,595	9.8	1,422.9	1,422.9	1,422.9	0.0
AQ	32,590	238	2,166	7.2	1,424.3	1,424.3	1,425.3	1.0
AR	33,165	447	1,746	8.9	1,425.0	1,425.0	1,425.4	0.4
AS	33,985	250	1,545	10.1	1,427.6	1,427.6	1,428.5	0.9
AT	34,210	508	1,396	11.2	1,430.0	1,430.0	1,430.4	0.4
AU	34,290	560	3,697	4.2	1,432.2	1,432.2	1,432.9	0.7
AV	34,885	500	2,625	5.9	1,432.6	1,432.6	1,433.4	0.8
AW	36,090	435	1,751	8.9	1,437.0	1,437.0	1,437.5	0.5

¹Feet above downstream Limit of Detailed Study

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SANTA MARIA CREEK (SANTA MARIA VALLEY AREA)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AX	36,515	548	2,277	6.9	1,439.7	1,439.7	1,439.9	0.2
AY	36,910	560	2,523	6.2	1,441.0	1,441.0	1,441.3	0.3
AZ	37,705	675	1,919	8.1	1,445.2	1,445.2	1,445.2	0.0
BA	38,435	610	2,250	6.9	1,448.6	1,448.6	1,449.6	1.0
BB	39,175	640	1,878	8.3	1,453.5	1,453.5	1,454.3	0.8
BC	39,790	500	1,888	8.3	1,458.4	1,458.4	1,458.7	0.3
BD	40,440	234	684	6.1	1,463.6	1,463.6	1,463.6	0.0
BE	41,660	90	357	11.5	1,478.5	1,478.5	1,478.5	0.0
BF	42,050	165	753	5.4	1,481.9	1,481.9	1,482.9	1.0
BG	42,490	77	345	11.6	1,487.2	1,487.2	1,487.8	0.6
BH	42,990	105	499	8.0	1,493.0	1,493.0	1,493.1	0.1
BI	43,440	105	418	9.3	1,498.0	1,498.0	1,498.6	0.6
BJ	44,170	350	564	6.9	1,505.6	1,505.6	1,505.7	0.1
BK	44,570	445	547	7.0	1,509.7	1,509.7	1,509.8	0.1
BL	44,990	340	188	8.0	1,515.0	1,515.0	1,515.6	0.6
BM	45,090	290	1,094	1.4	1,518.8	1,518.8	1,519.7	0.9
BN	45,295	210	485	3.1	1,518.8	1,518.8	1,519.7	0.9
BO	45,380	180	380	4.0	1,519.2	1,519.2	1,519.8	0.6
BP	45,840	27	81	6.2	1,526.3	1,526.3	1,526.3	0.0
BQ	46,410	22	56	8.9	1,534.9	1,534.9	1,534.9	0.0
BR	47,350	80	84	6.0	1,551.0	1,551.0	1,551.0	0.0
BS	47,580	220	141	3.6	1,554.0	1,554.0	1,554.0	0.0
BT	48,320	65	254	11.0	1,564.9	1,564.9	1,565.2	0.3
BU	48,680	92	265	10.6	1,569.0	1,569.0	1,569.0	0.0

¹Feet above downstream Limit of Detailed Study

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SANTA MARIA CREEK (SANTA MARIA VALLEY AREA)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BV	49,190	70	357	7.8	1,583.0	1,583.0	1,583.7	0.7
BW	49,645	55	238	11.7	1,589.7	1,589.7	1,589.7	0.0
BX	49,865	102	315	8.9	1,592.6	1,592.6	1,593.2	0.6
BY	50,280	115	304	9.2	1,597.7	1,597.7	1,597.9	0.2
BZ	50,605	80	299	9.4	1,602.1	1,602.1	1,602.1	0.0
CA	51,105	120	452	6.2	1,610.2	1,610.2	1,610.2	0.0
CB	51,345	93	282	10.0	1,614.8	1,614.8	1,614.8	0.0
CC	51,830	100	237	11.8	1,619.7	1,619.7	1,619.7	0.0
CD	52,040	143	742	3.8	1,629.7	1,629.7	1,629.7	0.0
CE	52,561	90	496	5.6	1,634.8	1,634.8	1,635.6	0.8

¹Feet above downstream Limit of Detailed Study

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SANTA MARIA CREEK (SANTA MARIA VALLEY AREA)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,260	1,860	8,526	6.9	327.9	320.1 ²	320.1 ²	0.0
B	3,390	1,959	8,720	6.7	327.9	322.5 ²	322.5 ²	0.0
C	5,589	1,636	8,854	6.6	327.9	326.2 ²	326.5 ²	0.3
D	7,679	1,901	12,371	4.7	328.6	328.6	329.0	0.4
E	9,314	1,557	9,148	6.3	330.4	330.4	330.9	0.5
F	11,012	1,696	11,414	5.0	332.8	332.8	333.3	0.5
G	13,000	2,034	11,040	5.2	334.7	334.7	335.2	0.5
H	14,570	1,677	7,694	7.4	337.1	337.1	337.5	0.4
I	16,736	1,012	6,911	8.3	342.4	342.4	342.5	0.1
J	17,731	1,582	10,376	5.5	344.6	344.6	344.7	0.1
K	19,544	1,306	8,711	6.6	347.4	347.4	347.5	0.1
L	20,809	1,031	5,758	9.9	349.5	349.5	349.6	0.1
M	21,098	1,100	6,974	8.2	350.7	350.7	350.9	0.2
N	22,561	605	4,851	11.8	354.8	354.8	354.8	0.0
O	23,581	1,209	9,251	6.0	357.8	357.8	358.0	0.2
P	24,641	1,068	5,570	9.9	359.3	359.3	359.3	0.0
Q	25,604	821	6,483	8.5	362.0	362.0	362.1	0.1
R	27,226	960	4,792	11.5	365.9	365.9	365.9	0.0
S	29,698	570	4,982	11.1	371.8	371.8	372.0	0.2
T	30,619	303	2,645	11.5	373.4	373.4	373.6	0.2
U	31,689	387	2,257	13.2	375.8	375.8	376.0	0.2
V	32,839	300	2,006	14.9	380.9	380.9	381.0	0.1
W	33,231	400	2,665	11.2	385.0	385.0	385.3	0.3
X	33,381	955	5,225	5.7	387.1	387.1	387.2	0.1

¹Feet above upstream face of Interstate Highway 15 bridge

²Elevation computed without consideration of backwater effects from Lake Hodges

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SANTA YSABEL CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Y	34,151 ¹	931	4,636	7.5	387.7	387.7	387.8	0.1
Z	35,014 ¹	643	3,509	10.5	388.8	388.8	389.1	0.3
AA	36,182 ¹	512	3,150	11.7	392.5	392.5	392.6	0.1
AB	37,261 ¹	379	2,681	13.8	395.5	395.5	395.6	0.1
AC	38,896 ¹	501	2,997	12.3	403.2	403.2	403.2	0.0
AD	41,008 ¹	395	3,211	11.5	411.5	411.5	412.0	0.5
AE	41,913 ¹	789	5,815	6.3	415.8	415.8	415.9	0.1
AF	43,463 ¹	420	2,511	12.2	419.7	419.7	420.0	0.3
AG	44,287 ¹	260	2,540	12.0	424.6	424.6	424.6	0.0
AH	44,367 ¹	254	2,757	11.1	427.6	427.6	427.7	0.1
AI	45,142 ¹	394	4,284	7.1	430.2	430.2	430.2	0.0
AJ	46,646 ¹	349	3,269	9.0	433.5	433.5	433.5	0.0
AK	48,141 ¹	408	3,808	7.7	438.2	438.2	438.3	0.1
AL	49,249 ¹	173	1,874	15.7	440.7	440.7	440.7	0.0
AM	49,929 ¹	318	4,219	7.0	445.3	445.3	445.3	0.0
AN	51,029 ¹	212	1,602	18.4	445.8	445.8	445.8	0.0
AO	15,500 ²	274	1,973	10.5	2,812.8	2,812.8	2,813.8	1.0
AP	15,950 ²	297	1,591	13.0	2,816.4	2,816.4	2,816.4	0.0
AQ	16,370 ²	284	1,908	10.9	2,819.9	2,819.9	2,820.1	0.2
AR	16,825 ²	231	1,467	14.1	2,822.8	2,822.8	2,822.8	0.0
AS	17,282 ²	184	1,352	15.3	2,828.0	2,828.0	2,828.0	0.0
AT	17,762 ²	296	2,122	9.8	2,833.2	2,833.2	2,833.2	0.0
AU	18,116 ²	205	1,424	14.6	2,837.6	2,837.6	2,837.6	0.0
AV	18,586 ²	592	2,326	8.9	2,843.1	2,843.1	2,843.1	0.0

¹Feet above upstream face of Interstate Highway 15 bridge

²Feet above confluence with Witch Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SANTA YSABEL CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AW	19,056	321	1,611	12.9	2,847.1	2,847.1	2,847.1	0.0
AX	19,559	387	1,958	10.6	2,852.2	2,852.2	2,852.2	0.0
AY	20,046	178	1,217	15.0	2,858.0	2,858.0	2,858.0	0.0
AZ	20,501	318	1,860	9.8	2,862.8	2,862.8	2,862.8	0.0
BA	21,011	267	1,492	12.2	2,868.7	2,868.7	2,868.7	0.0
BB	21,372	199	1,251	14.6	2,873.2	2,873.2	2,873.2	0.0
BC	21,847	154	1,176	15.5	2,885.5	2,885.5	2,885.5	0.0
BD	22,191	260	1,353	13.5	2,889.8	2,889.8	2,889.8	0.0
BE	22,541	142	1,124	16.2	2,896.4	2,896.4	2,896.4	0.0
BF	22,901	335	1,669	10.9	2,900.7	2,900.7	2,900.7	0.0
BG	23,351	149	971	14.5	2,905.8	2,905.8	2,905.8	0.0
BH	23,591	301	1,281	11.0	2,909.7	2,909.7	2,909.7	0.0
BI	23,851	38	615	22.9	2,923.7	2,923.7	2,923.7	0.0
BJ	23,881	77	1,382	10.2	2,932.2	2,932.2	2,932.2	0.0
BK	23,951	407	6,366	2.2	2,932.4	2,932.4	2,933.4	1.0
BL	24,933	135	952	14.8	2,941.5	2,941.5	2,941.5	0.0
BM	25,279	101	871	16.2	2,952.5	2,952.5	2,952.5	0.0
BN	25,669	132	941	15.0	2,960.1	2,960.1	2,960.1	0.0
BO	26,059	250	1,203	11.7	2,970.4	2,970.4	2,970.6	0.2
BP	26,509	327	1,318	10.7	2,982.5	2,982.5	2,982.5	0.0
BQ	26,809	124	919	15.3	2,995.3	2,995.3	2,995.3	0.0

¹Feet above confluence with Witch Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SANTA YSABEL CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,800	80	407	6.0	449.1	449.1	449.1	0.0
B	2,780	407	1,947	1.3	454.0	454.0	454.0	0.0
C	2,910	285	1,258	1.9	457.3	457.3	457.3	0.0
D	3,181	100	658	3.7	457.4	457.4	457.6	0.2
E	3,903	190	399	6.1	459.2	459.2	459.6	0.4
F	3,979	166	698	3.5	462.3	462.3	463.0	0.7
G	4,223	120	814	3.2	462.6	462.6	463.2	0.6
H	4,496	165	924	2.7	462.8	462.8	463.4	0.6
I	4,607	124	541	4.5	463.0	463.0	463.9	0.9
J	4,692	126	633	3.9	463.0	463.0	464.0	0.9
K	5,271	97	238	7.9	470.4	470.4	470.6	0.2
L	5,642	70	236	10.4	476.1	476.1	476.1	0.0
M	6,009	65	267	9.2	483.4	483.4	483.6	0.2
N	6,728	145	351	7.0	493.1	493.1	493.7	0.6
O	6,928	125	347	7.1	498.1	498.1	498.2	0.1
P	7,362	115	329	7.5	507.3	507.3	507.3	0.0
Q	7,621	108	301	8.2	510.7	510.7	510.7	0.0
R	7,885	156	338	7.3	515.4	515.4	515.5	0.1
S	8,155	135	333	7.4	523.9	523.9	524.0	0.1
T	8,458	139	360	6.8	530.3	530.3	530.5	0.2
U	8,744	175	387	6.3	537.4	537.4	537.4	0.0
V	9,144	127	318	7.7	548.6	548.6	548.7	0.1

¹Feet above confluence with San Vicente Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SLAUGHTERHOUSE CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	299	3,230	7.1	12.9	12.9	12.9	0.0
B	1,060	1,459	14,582	1.6	13.9	13.9	13.9	0.0
C	1,510	1,490	11,041	2.1	13.9	13.9	13.9	0.0
D	2,080	1,320	8,236	2.8	13.9	13.9	13.9	0.0
E	2,530	1,290	10,649	2.2	14.1	14.1	14.3	0.2
F	3,430	1,320	12,044	1.9	14.1	14.1	14.4	0.3
G	4,340	1,610	13,502	1.7	14.2	14.2	14.5	0.3
H	5,090	1,830	11,040	2.1	14.2	14.2	14.5	0.3
I	5,440	2,009	13,024	1.8	14.3	14.3	14.6	0.3
J	5,870	1,970	16,383	1.4	14.3	14.3	14.7	0.4
K	6,320	1,750	14,397	1.6	14.4	14.4	14.8	0.4
L	6,480	1,729	14,479	1.3	14.4	14.4	14.8	0.4
M	7,120	1,510	11,307	1.7	14.4	14.4	14.8	0.4
N	8,460	1,053	4,979	3.9	14.4	14.4	14.8	0.4
O	8,950	988	5,234	3.7	15.0	15.0	15.3	0.3
P	9,490	1,164	6,140	3.2	15.6	15.6	15.8	0.2
Q	9,940	935	3,669	5.3	16.0	16.0	16.2	0.2
R	10,930	1,154	3,331	5.8	19.6	19.6	19.6	0.0
S	11,095	1,154	5,738	3.4	20.3	20.3	20.3	0.0
T	11,840	639	2,769	7.0	21.1	21.1	21.1	0.0
U	12,590	520	3,539	5.5	24.9	24.9	25.0	0.1
V	13,220	548	4,483	4.3	26.3	26.3	26.4	0.1
W	13,510	496	3,548	5.5	26.7	26.7	26.8	0.1
X	14,240	600	3,524	5.5	28.3	28.3	28.9	0.6
Y	14,673	780	4,661	4.2	29.5	29.5	30.1	0.6

¹Feet above North Torrey Pines Road

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SOLEDAD CANYON

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Z	15,100	700	5,258	3.7	34.7	34.7	35.6	0.9
AA	15,740	1,033	5,383	3.6	35.5	35.5	36.2	0.7
AB	16,140	1,075	6,622	2.9	36.2	36.2	36.7	0.5
AC	16,520	1,163	6,695	2.9	36.5	36.5	37.0	0.5
AD	16,810	789	4,278	4.6	36.8	36.8	37.2	0.4
AE	17,120	386	1,784	10.9	38.3	38.3	38.3	0.0
AF	17,420	373	2,273	2.9	40.8	40.8	41.2	0.4
AG	17,620	362	1,379	4.9	40.8	40.8	41.2	0.4
AH	18,060	352	1,813	3.7	42.6	42.6	42.6	0.0
AI	18,160	296	1,475	4.5	42.6	42.6	42.6	0.0
AJ	18,340	146	644	10.4	42.6	42.6	42.6	0.0
AK	18,850	310	1,324	5.1	45.6	45.6	45.6	0.0
AL	19,177	478	1,707	3.9	46.1	46.1	46.1	0.0
AM	19,427	656	2,247	3.0	46.7	46.7	46.7	0.0
AN	19,630	553	1,204	5.6	47.8	47.8	47.8	0.0
AO	20,220	335	1,005	6.7	53.1	53.1	53.1	0.0
AP	20,805	556	1,196	5.6	59.8	59.8	59.8	0.0
AQ	21,230	354	1,008	6.6	62.3	62.3	62.3	0.0
AR	21,480	421	1,495	4.5	64.4	64.4	64.4	0.0
AS	21,690	286	1,074	6.2	65.3	65.3	65.3	0.0

¹Feet above North Torrey Pines Road

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SOLEDAD CANYON

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	65	700/743 ²	3,333	1.1	554.8 ³	554.5	554.5	0.0
B	895	691/727 ²	1,032	3.3	557.5 ³	557.0	557.2	0.2
C	1,915	500/797 ²	585	5.9	564.0 ³	563.9	563.9	0.0
D	2,895	110	258	7.0	575.9	575.9	576.3	0.4
E	3,615	117	236	7.6	586.6	586.6	586.6	0.0

¹Feet above confluence with Poway Creek and North Branch Poway Creek

²Width/total width of North Branch and South Branch combined floodway

³Elevation includes flooding controlled by North Branch Poway Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SOUTH BRANCH POWAY CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	350	171	1,547	3.4	442.8	442.8	443.8	1.0
B	561	87	703	7.4	445.6	445.6	446.2	0.6
C	3,406	84	431	12.1	470.3	470.3	470.3	0.0
D	3,942	234	995	4.8	475.3	475.3	475.9	0.6
E	4,829	94	839	5.7	486.1	486.1	486.9	0.8
F	5,260	214	867	7.0	488.0	488.0	488.6	0.6
G	5,611	90	519	9.2	489.7	489.7	489.9	0.2
H	6,470	190	603	11.4	497.3	497.3	497.3	0.0
I	7,812	75	319	12.5	509.6	509.6	509.6	0.0
J	8,024	46	281	14.2	511.9	511.9	511.9	0.0
K	8,520	198	552	7.3	517.4	517.4	517.8	0.4
L	8,920	190	654	4.9	521.0	521.0	521.3	0.3
M	9,408	45	283	11.3	523.2	523.2	523.2	0.0
N	9,697	30	266	12.0	527.2	527.2	527.3	0.1
O	10,841	38	205	14.6	535.4	535.4	536.4	1.0
P	11,176	49	272	11.0	538.0	538.0	538.0	0.0
Q	11,287	100	302	9.9	541.4	541.4	541.4	0.0

¹Feet above confluence with Moosa Canyon Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SOUTH FORK MOOSA CANYON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A-H	*	*	*	*	*	*	*	*
I	5,410	57	468	11.3	27.6	27.6	28.6	1.0
J	6,000	45	441	12.0	31.9	31.9	32.5	0.6
K	6,950	64	762	7.0	37.9	37.9	38.9	1.0
L	7,200	86	741	7.6	37.9	37.9	38.9	1.0
M	8,200	65	420	12.6	41.2	41.2	41.3	0.1
N	9,030	90	822	6.5	51.9	51.9	51.9	0.0
O	9,280	89	751	7.1	52.3	52.3	52.3	0.0
P	10,080	83	573	9.3	57.3	57.3	57.3	0.0
Q	10,880	164	1,273	4.2	60.2	60.2	60.2	0.0
R	11,580	101	829	6.4	71.7	71.7	71.9	0.2
S	12,330	81	611	8.7	72.6	72.6	73.1	0.5
T	13,380	62	666	4.6	83.3	83.3	83.8	0.5
U	13,690	217	1,157	4.6	85.5	85.5	86.3	0.8
V	14,330	169	929	5.7	88.9	88.9	89.5	0.6
W	15,230	150	1,102	4.8	96.8	96.8	96.8	0.0
X	16,280	70	389	4.9	109.7	109.7	109.7	0.0
Y	16,730	50	309	6.1	113.8	113.8	114.4	0.6
Z	17,620	113	505	3.8	125.0	125.0	125.2	0.2
AA	18,270	34	159	11.9	132.3	132.3	132.4	0.1
AB-AC	*	*	*	*	*	*	*	*
AD	19,930	36	203	9.3	155.9	155.9	156.7	0.8
AE	20,670	38	183	10.4	168.8	168.8	169.4	0.6
AF	21,350	23	122	12.3	182.2	182.2	182.9	0.7

¹Feet above confluence with Las Chollas Creek

*Data not available

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SOUTH LAS CHOLLAS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AG	22,510	20	119	12.6	201.7	201.7	201.7	0.0
AH	23,550	61	177	8.5	218.8	218.8	219.6	0.8
AI	24,650	53	210	7.1	238.3	238.3	239.3	1.0
AJ	25,680	30	129	11.6	253.9	253.9	254.6	0.7
AK-AM	*	*	*	*	*	*	*	*

¹Feet above confluence with Las Chollas Creek

*Data not available

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SOUTH LAS CHOLLAS CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	1,540	470	2,670	2.2	1,369.7	1,369.7	1,369.7	0.0
B	2,163	444	2,687	2.2	1,369.9	1,369.9	1,369.9	0.0
C	3,047	377	1,583	3.7	1,370.2	1,370.2	1,371.1	0.9
D	3,991	414	1,323	4.4	1,372.2	1,372.2	1,372.6	0.4
E	4,525	310	1,082	5.4	1,373.8	1,373.8	1,374.8	1.0
F	5,514	405	1,498	3.9	1,377.4	1,377.4	1,378.4	1.0
G	6,142	706	1,476	3.9	1,378.4	1,378.4	1,379.3	0.9
H	6,272	790	3,611	1.6	1,381.6	1,381.6	1,381.8	0.2
I	7,132	567	960	3.8	1,381.8	1,381.8	1,382.8	1.0

¹Feet above confluence with Santa Maria Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SOUTH TRIBUTARY TO SANTA MARIA CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	480	86	420	7.1	315.4	315.4	316.4	1.0
B	855	94	514	5.8	320.3	320.3	321.0	0.7
C	1,270	94	368	8.1	327.1	327.1	327.9	0.8
D	1,755	71	435	6.8	336.3	336.3	337.0	0.7
E	2,160	46	372	8.0	345.3	345.3	345.7	0.4
F	2,480	56	481	6.2	351.8	351.8	352.7	0.9
G	2,880	70	428	7.0	358.3	358.3	359.0	0.7
H	3,280	72	395	7.6	366.3	366.3	367.3	1.0
I	3,690	72	367	8.1	376.7	376.7	377.7	1.0
J	4,100	74	423	7.0	387.3	387.3	388.2	0.9
K	4,525	103	511	5.8	396.1	396.1	397.1	1.0
L	4,850	72	452	6.6	402.1	402.1	403.1	1.0
M	5,240	98	458	6.5	412.0	412.0	413.0	1.0
N	5,635	78	472	6.3	421.6	421.6	422.6	1.0
O	6,050	84	397	7.5	429.9	423.9	430.9	1.0
P	6,395	64	317	9.4	433.3	433.3	434.1	0.8
Q	6,800	82	307	9.7	441.5	441.5	442.4	0.9
R	7,150	43	228	13.1	448.5	448.5	448.9	0.4
S	7,545	46	233	12.8	458.2	458.2	458.2	0.0
T	7,890	59	252	11.8	462.3	462.3	462.3	0.0
U	8,270	70	268	11.1	472.4	472.4	472.8	0.4
V	8,314	90	403	7.4	476.0	476.0	476.0	0.0
W	8,589	60	371	8.0	477.5	477.5	478.4	0.9
X	8,904	69	281	10.6	484.4	484.4	484.7	0.3
Y	8,954	120	445	6.7	486.5	486.5	486.9	0.4

¹Feet above confluence with Sweetwater River

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: STEELE CANYON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Z	9,234	130	423	7.0	492.9	492.9	493.2	0.3
AA	9,279	150	568	5.2	492.9	492.9	493.9	1.0
AB	9,599	70	198	9.2	500.2	500.2	500.2	0.0
AC	9,659	79	508	3.6	501.4	501.4	501.7	0.3
AD	9,984	100	265	6.9	507.7	507.7	508.3	0.6
AE	10,024	100	289	6.3	509.0	509.0	509.8	0.8
AF	10,454	47	202	9.0	515.1	515.1	515.4	0.3
AG	10,859	47	178	10.2	528.0	528.0	528.2	0.2
AH	11,284	51	223	8.2	535.3	535.3	535.7	0.4
AI	11,674	64	195	9.3	542.3	542.3	542.6	0.3
AJ	12,079	45	171	10.6	552.6	552.6	553.4	0.8
AK	12,499	120	410	4.4	558.6	558.6	559.5	0.9
AL	12,924	44	162	11.2	566.9	566.9	566.9	0.0
AM	13,314	48	177	10.3	576.1	576.1	577.1	1.0
AN	13,714	33	149	12.2	592.1	592.1	592.3	0.2
AO	14,049	55	287	6.3	601.1	601.1	602.0	0.9
AP	14,449	68	332	5.5	608.6	608.6	609.1	0.5
AQ	14,874	54	305	6.0	617.4	617.4	617.9	0.5
AR	15,214	80	418	4.4	623.1	623.1	623.8	0.7
AS	15,609	47	210	8.6	632.0	632.0	632.9	0.9
AT	15,994	34	216	8.4	649.0	649.0	649.5	0.5
AU	16,389	41	160	11.4	680.1	680.1	680.1	0.0
AV	16,604	48	316	5.8	686.1	686.1	686.9	0.8
AW	17,029	51	253	7.2	695.7	695.7	696.7	1.0
AX	17,394	42	269	6.8	706.4	706.4	706.8	0.4

¹Feet above confluence with Sweetwater River

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: STEELE CANYON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AY	17,779	41	196	9.3	721.5	721.5	721.6	0.1
AZ	18,174	43	288	6.3	732.8	732.8	733.2	0.4
BA	18,609	70	214	7.9	747.7	747.7	747.7	0.0
BB	18,664	77	216	7.8	749.4	749.4	749.4	0.0
BC	19,024	76	393	4.3	756.1	756.1	757.1	1.0
BD	19,089	110	246	6.9	757.0	757.0	757.0	0.0
BE	19,359	170	423	4.0	765.1	765.1	766.1	1.0
BF	19,424	150	508	3.3	766.2	766.2	767.0	0.8
BG	19,694	112	670	2.5	767.5	767.5	768.3	0.8
BH	20,069	55	178	9.5	773.1	773.1	773.2	0.1
BI	20,114	60	240	7.0	775.4	775.4	775.9	0.5
BJ	20,554	52	315	5.4	783.8	783.8	784.0	0.2
BK	20,579	61	231	7.3	784.0	784.0	784.2	0.2
BL	20,939	23	167	10.1	792.9	792.9	793.7	0.8
BM	21,364	52	269	6.3	805.1	805.1	806.1	1.0

¹Feet above confluence with Sweetwater River

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: STEELE CANYON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	900	175	226	4.0	734.1	734.1	734.6	0.5
B	1,395	240	195	4.6	739.7	739.7	740.3	0.6
C	1,555	207	248	3.6	742.0	742.0	742.8	0.8
D	1,773	165	199	4.5	747.0	747.0	747.5	0.5
E	2,103	195	208	4.3	752.2	752.2	752.9	0.7
F	2,463	143	215	4.2	761.0	761.0	761.7	0.7
G	2,733	126	199	4.5	767.5	767.5	767.6	0.1
H	2,930	99	142	6.3	772.2	772.2	772.8	0.6
I	3,365	103	161	5.6	783.1	783.1	783.1	0.0
J	3,780	129	173	5.2	792.3	792.3	792.9	0.6
K	3,870	127	254	3.5	794.6	794.6	795.6	1.0
L	4,240	53	105	8.6	802.5	802.5	802.5	0.0
M	4,809	50	107	8.4	813.3	813.3	813.4	0.1
N	4,858	60	233	3.9	815.3	815.3	816.0	0.7
O	5,060	44	103	8.7	817.3	817.3	817.3	0.0

¹Feet above confluence with Twin Oaks Valley Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: STEVENSON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	1,133	16,651	1.8	249.7	249.7	250.7	1.0
B	1,520	1,015	7,315	4.0	249.9	249.9	250.8	0.9
C	2,070	1,075	5,696	5.2	250.3	250.3	250.3	0.0
D	3,092	491	3,743	7.9	251.4	251.4	251.4	0.0
E	5,507	247	2,435	12.1	258.3	258.3	258.5	0.2
F	8,097	203	1,406	21.0	268.8	268.8	268.8	0.0
G	8,420	183	1,633	18.1	273.1	273.1	273.1	0.0
H	10,110	243	2,587	11.4	282.7	282.7	282.8	0.1
I	10,970	246	2,074	14.2	289.3	289.3	289.4	0.1
J	12,057	413	2,512	11.7	298.0	298.0	298.0	0.0
K	13,657	720	5,060	5.8	305.9	305.9	306.1	0.2
L	15,520	522	6,012	4.9	318.8	318.8	318.8	0.0
M	15,725	530	5,558	5.3	319.2	319.2	319.2	0.0
N	17,366	664	5,288	5.6	322.3	322.3	322.4	0.1
O	17,869	720	6,617	4.5	323.5	323.5	323.8	0.3
P	19,309	1,025	5,378	5.5	329.2	329.2	329.3	0.1
Q	21,632	960	4,695	6.3	336.7	336.7	336.8	0.1
R	24,273	749	4,140	7.1	345.6	345.6	345.9	0.3
S	25,510	577	3,678	8.0	350.2	350.2	350.2	0.0
T	26,529	1,150	3,209	9.2	353.6	353.6	353.7	0.1
U	27,732	750	3,967	7.4	363.0	363.0	363.2	0.2
V	27,749	750	4,040	7.3	363.1	363.1	363.3	0.2
W	30,221	830	2,937	10.0	375.0	375.0	375.1	0.1
X	30,784	670	1,904	15.5	378.2	378.2	378.2	0.0
Y	30,951	640	4,635	6.4	382.4	382.4	382.6	0.2

¹Feet above Sweetwater River

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SWEETWATER RIVER (ABOVE RESERVOIR)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Z	33,190	935	2,498	11.8	387.3	387.3	387.3	0.0
AA	33,835	1,036	7,741	3.8	390.2	390.2	390.6	0.4
AB	34,555	833	4,393	6.7	390.5	390.5	390.8	0.3
AC	35,657	440	3,622	8.1	400.0	400.0	400.3	0.3
AD	35,751	455	4,278	6.9	400.9	400.9	401.2	0.3
AE	37,315	561	3,927	7.5	402.6	402.6	403.0	0.4
AF	37,802	572	2,921	10.1	404.2	404.2	404.3	0.1
AG	40,171	405	3,318	8.9	417.2	417.2	417.4	0.2
AH	41,078	668	6,117	4.8	420.8	420.8	421.6	0.8
AI	42,395	344	4,408	6.7	425.1	425.1	425.1	0.0
AJ	43,725	480	3,777	8.8	430.2	430.2	430.4	0.2
AK	44,975	320	4,151	7.8	440.8	440.8	440.9	0.1
AL	45,525	358	3,676	8.9	441.2	441.2	441.3	0.1
AM	46,995	170	3,008	9.8	444.3	444.3	444.3	0.0
AN	47,845	145	1,797	17.1	447.0	447.0	447.0	0.0
AO	48,195	187	2,541	11.6	451.8	451.8	451.8	0.0
AP	48,520	325	3,089	10.3	455.0	454.8	454.8	0.0
AQ	49,120	491	2,562	11.5	455.5	455.5	455.5	0.0
AR	49,920	679	3,414	10.8	459.1	459.1	459.1	0.0
AS	51,340	440	3,798	7.8	463.8	463.8	463.8	0.0
AT	54,209	395	6,427	4.7	479.1	479.1	479.3	0.2
AU	55,346	851	3,171	9.3	483.5	483.5	483.5	0.0
AV	55,481	778	3,306	8.9	484.3	484.3	484.3	0.0
AW	55,645	570	4,232	7.0	487.2	487.2	487.2	0.0
AX	56,845	642	2,635	11.2	491.0	491.0	491.1	0.1

¹Feet above Sweetwater Reservoir

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SWEETWATER RIVER (ABOVE RESERVOIR)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AY	57,545	1,354	4,903	6.0	496.1	496.1	496.2	0.1
AZ	58,515	989	3,822	7.7	500.9	500.9	500.9	0.0
BA	59,445	636	2,740	10.2	506.5	506.5	506.6	0.1
BB	60,775	883	4,576	6.1	515.6	515.6	515.7	0.1
BC	61,325	669	3,196	8.8	519.6	519.6	519.6	0.0
BD	62,085	494	3,240	8.6	523.0	523.0	523.0	0.0
BE	63,235	619	3,295	7.9	526.3	526.3	527.0	0.7
BF	64,755	265	1,837	14.1	538.1	538.1	538.1	0.0
BG	65,655	477	3,344	7.8	543.	543.	544.7	1.0
BH	66,705	425	2,266	11.5	549.5	549.5	549.5	0.0
BI	67,625	346	2,273	11.4	555.3	555.3	555.4	0.1

¹Feet above Sweetwater Reservoir

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SWEETWATER RIVER (ABOVE RESERVOIR)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A-C	*	*	*	*	*	*	*	*
D	3.49	380	4,508	7.8	37.0	37.0	37.4	0.4
E	3.58	380	4,145	8.4	37.2	37.2	37.7	0.5
F	3.72	390	4,428	7.9	38.7	38.7	38.8	0.1
G	3.85	876	8,117	4.3	39.4	39.4	40.0	0.6
H	4.11	632	5,929	5.9	40.5	40.5	40.8	0.3
I	4.22	885	6,281	6.4	43.1	43.1	43.1	0.0
J	5.60	753	4,083	12.3	63.3	63.3	63.3	0.0
K	5.73	570	3,823	9.2	66.8	66.8	66.8	0.0
L	5.78	725	4,822	9.8	68.2	68.2	68.2	0.0
M	5.84	533	3,645	10.3	68.5	68.5	68.6	0.1
N	6.01	473	3,509	10.2	71.6	71.6	71.7	0.1
O	6.14	1,002	5,209	12.2	74.0	74.0	74.1	0.1
P	6.35	1,101	4,433	10.7	75.0	75.0	75.7	0.7
Q	6.51	969	4,071	11.1	78.2	78.2	78.2	0.0
R	6.69	1,084	4,041	13.9	80.9	80.9	81.1	0.2
S	6.95	854	3,503	15.5	86.0	86.0	86.0	0.0

¹Miles above mouth

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SWEETWATER RIVER (AT NATIONAL CITY)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	204	1,470	13.8	3,308.4	3,308.4	3,308.4	0.0
B	280	153	1,242	16.3	3,316.7	3,316.7	3,316.7	0.0
C	535	139	1,196	17.0	3,325.0	3,325.0	3,325.0	0.0
D	995	84	1,021	19.9	3,345.2	3,345.2	3,345.2	0.0
E	1,555	186	1,793	11.3	3,356.9	3,356.9	3,357.8	0.9
F	1,790	151	1,731	11.7	3,359.4	3,359.4	3,359.7	0.3
G	2,420	266	2,588	7.8	3,363.6	3,363.6	3,364.4	0.8
H	2,720	273	1,802	11.3	3,364.3	3,364.3	3,365.3	1.0
I	3,180	217	2,235	9.1	3,369.5	3,369.5	3,369.5	0.0
J	3,610	233	2,245	9.0	3,371.3	3,371.3	3,371.4	0.1
K	3,920	149	1,237	16.4	3,379.8	3,379.8	3,379.8	0.0
L	3,980	155	1,451	14.0	3,382.0	3,382.0	3,382.0	0.0
M	4,055	189	2,204	9.2	3,383.3	3,383.3	3,383.3	0.0
N	4,365	288	3,498	5.8	3,384.3	3,384.3	3,384.3	0.0
O	4,765	376	4,084	5.0	3,384.7	3,384.7	3,384.8	0.1
P	5,215	312	3,224	6.3	3,384.8	3,384.8	3,384.9	0.1
Q	5,945	391	2,833	7.2	3,385.5	3,385.5	3,385.8	0.3
R	6,095	353	2,388	8.5	3,385.7	3,385.7	3,385.9	0.2
S	6,635	454	3,227	6.3	3,388.9	3,388.9	3,389.7	0.8
T	7,075	435	2,892	7.0	3,391.1	3,391.1	3,391.8	0.7
U	7,455	379	2,793	7.3	3,393.4	3,393.4	3,394.1	0.7
V	7,675	473	3,452	5.9	3,394.5	3,394.5	3,395.3	0.8
W	8,055	559	4,293	3.5	3,395.7	3,395.7	3,396.5	0.8
X	8,195	518	3,333	4.2	3,395.8	3,395.8	3,396.6	0.8
Y	8,445	397	1,501	9.3	3,396.6	3,396.6	3,396.7	0.1

¹Feet above Cross Section A

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SWEETWATER RIVER (DESCANSO AREA)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Z	9,045	75	928	16.3	3,405.4	3,405.4	3,405.4	0.0
AA	9,095	75	929	16.3	3,405.4	3,405.4	3,405.4	0.0
AB	9,615	292	2,706	5.6	3,409.1	3,409.1	3,410.1	1.0
AC	9,935	320	3,014	5.0	3,409.5	3,409.5	3,410.5	1.0
AD	10,385	361	2,737	5.5	3,410.0	3,410.0	3,411.0	1.0
AE	10,875	310	1,405	10.8	3,410.9	3,410.9	3,411.2	0.3
AF	11,667	225	1,346	11.2	3,417.2	3,417.2	3,418.0	0.8
AG	12,294	314	1,985	7.6	3,422.0	3,422.0	3,422.0	0.0
AH	12,360	314	1,306	11.6	3,423.6	3,423.6	3,423.6	0.0
AI	12,866	233	1,214	12.4	3,429.7	3,429.7	3,429.7	0.0
AJ	13,086	142	1,011	14.9	3,431.8	3,431.8	3,432.0	0.2
AK	13,416	375	2,319	6.5	3,435.5	3,435.5	3,436.5	1.0
AL	13,566	306	2,041	7.4	3,436.4	3,436.4	3,437.2	0.8
AM	14,336	569	3,161	4.8	3,438.6	3,438.6	3,439.2	0.6
AN	15,076	230	1,342	11.2	3,445.2	3,445.2	3,445.7	0.5
AO	15,746	172	1,061	14.2	3,450.2	3,450.2	3,450.5	0.3
AP	16,346	439	2,351	6.4	3,454.9	3,454.9	3,455.9	1.0
AQ	16,896	330	1,454	10.4	3,460.2	3,460.2	3,460.3	0.1
AR	17,196	146	1,164	13.0	3,461.6	3,461.6	3,462.0	0.4
AS	17,726	147	1,172	12.9	3,464.7	3,464.7	3,465.2	0.5
AT	18,156	126	1,117	13.5	3,467.4	3,467.4	3,467.7	0.3
AU	18,586	141	1,405	10.7	3,470.5	3,470.5	3,470.8	0.3
AV	19,176	171	1,097	13.8	3,476.7	3,476.7	3,477.0	0.3
AW	19,496	100	1,079	14.0	3,479.3	3,479.3	3,479.3	0.0

¹Feet above Cross Section A

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: SWEETWATER RIVER (DESCANSO AREA)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
AX	20,116	84	834	18.1	3,492.0	3,492.0	3,492.0	0.0
AY	20,676	90	855	17.7	3,511.5	3,511.5	3,511.5	0.0
AZ	21,136	86	935	16.1	3,521.3	3,521.3	3,521.3	0.0
BA	21,386	82	826	18.3	3,534.2	3,534.2	3,534.2	0.0
BB	21,896	59	741	20.4	3,557.6	3,557.6	3,557.6	0.0
BC	22,131	70	788	19.2	3,576.6	3,576.6	3,576.6	0.0
BD	22,741	61	756	20.0	3,598.5	3,598.5	3,598.7	0.2
BE	23,451	88	849	17.8	3,633.9	3,633.9	3,633.9	0.0
BF	24,071	87	927	16.3	3,646.7	3,646.7	3,646.7	0.0
BG	24,651	114	1,362	11.1	3,654.3	3,654.3	3,655.3	1.0

¹Feet above Cross Section A

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: SWEETWATER RIVER (DESCANSO AREA)

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	8,667	84	356	6.7	80.0	80.0	80.2	0.2
B	9,440	51	238	10.1	84.9	84.9	85.5	0.6
C	10,225	54	382	7.3	93.9	93.9	93.9	0.0
D	10,635	75	386	7.3	97.1	97.1	97.1	0.0
E	10,865	71	372	7.5	99.7	99.7	99.7	0.0
F	11,432	23	178	15.8	99.7	99.7	99.7	0.0
G	12,131	34	254	11.0	107.0	107.0	107.0	0.0
H	12,662	21	172	16.3	109.6	109.6	109.6	0.0
I	13,305	153	741	3.8	125.0	125.0	125.0	0.0
J	13,663	228	821	3.4	129.8	129.8	129.8	0.0
K	14,251	128	676	4.1	130.2	130.2	130.2	0.0
L	14,590	40	181	12.2	130.2	130.2	130.4	0.2
M	15,037	88	257	8.6	134.8	134.8	135.8	1.0
N	15,667	40	181	12.1	146.4	146.4	146.4	0.0
O	16,440	33	172	12.8	151.6	151.6	152.6	1.0
P	33,465	131	305	3.2	345.8	345.8	346.8	1.0
Q	35,061	199	254	6.3	363.9	363.9	363.9	0.0
R	36,520	118	244	8.4	379.5	379.5	379.7	0.2
S	38,920	78	291	3.5	399.7	399.7	400.1	0.4
T	41,339	76	276	4.3	429.8	429.8	429.8	0.0
U	42,355	206	259	5.6	440.2	440.2	440.4	0.2
V	43,178	30	135	8.7	452.9	452.9	453.5	0.6
W	43,382	73	459	2.7	458.9	458.9	458.9	0.0
X	45,200	110	198	4.9	477.8	477.8	477.8	0.0
Y	46,220	45	45	15.9	490.1	490.1	490.1	0.0

¹Feet above mouth

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: TELEGRAPH CANYON CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,710	4,450	16,365	4.6	9.1	9.1	9.8	0.7
B	5,440	5,100	19,082	3.9	14.2	14.2	14.6	0.4
C	*	*	*	*	*	*	*	*
D	13,805	5,024	17,578	4.3	27.2	27.2	27.5	0.3
E	14,995	5,100	23,451	3.2	30.5	30.5	31.2	0.7
F	18,435	4,600	17,592	4.3	34.1	34.1	34.3	0.2
G	19,815	3,940	17,567	4.3	37.6	37.6	37.8	0.2
H	21,435	3,499	13,032	5.8	42.1	42.1	42.2	0.1
I	23,845	2,327	13,751	5.5	48.1	48.1	48.2	0.1

¹Feet above mouth

*Data not available

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: TIJUANA RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	890	295	1,676	1.0	1,381.6	1,381.6	1,381.6	0.3
B	1,505	259	1,104	1.5	1,381.7	1,381.7	1,382.7	1.0
C	2,220	95	292	5.5	1,383.8	1,383.8	1,384.8	1.0

¹Feet above confluence with South Tributary to Santa Maria Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: TRIBUTARY OF SOUTH TRIBUTARY TO SANTA MARIA CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
G	4,090	68	70	5.8	517.6	517.6	517.7	0.1
H	4,570	105	59	6.0	522.9	522.9	523.7	0.8
I	5,050	221	138	2.5	527.5	527.5	527.7	0.2
J	5,400	94	225	7.1	532.7	532.7	533.6	0.9
K	6,150	260	231	5.0	539.0	539.0	539.8	0.8
L	6,650	274	236	4.2	543.6	543.6	544.0	0.4
M	7,170	150	141	6.5	548.9	548.9	549.2	0.3
N	7,600	141	191	4.8	554.2	554.2	554.4	0.2
O	8,100	36	96	9.5	562.7	562.7	563.2	0.5

¹Feet above East Main Street

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: TRIBUTARY TO FORESTER CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	800	109	398	5.2	130.1	130.1	131.1	1.0
B	1,182	86	239	8.7	133.4	133.4	133.6	0.2
C	1,372	77	315	6.6	135.0	135.0	135.3	0.3
D	1,844	108	689	3.0	139.2	139.2	139.3	0.1
E	2,257	102	808	2.6	149.5	149.5	149.5	0.0
F	2,716	93	333	6.2	151.7	151.7	152.1	0.4
G	3,176	90	247	8.4	156.6	156.6	156.6	0.0
H	3,526	31	160	13.0	167.8	167.8	167.8	0.0
I	4,161	27	153	13.6	178.8	178.8	178.8	0.0
J	4,603	42	173	12.0	186.8	186.8	186.8	0.0
K	4,875	24	146	14.2	198.0	194.7	194.7	0.0
L	5,141	56	491	4.2	202.6	202.6	202.6	0.0
M	5,362	59	282	7.3	202.8	202.8	203.0	0.2
N	5,557	56	210	9.8	207.3	207.3	207.5	0.2
O	5,872	129	368	5.6	211.6	211.6	211.6	0.0
P	6,269	82	415	5.0	223.1	223.1	223.4	0.3
Q	6,836	67	206	10.0	233.7	233.7	233.7	0.0
R	6,996	29	338	6.1	246.8	246.8	247.0	0.2
S	7,306	80	387	5.4	247.3	247.3	248.3	1.0
T	7,656	129	268	7.7	253.5	253.5	253.5	0.0
U	8,016	87	234	8.8	261.4	261.4	261.4	0.0
V	8,306	83	224	9.2	269.8	269.8	269.8	0.0

¹Feet above Loma Del Sol Drive

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: TRIBUTARY TO SWEETWATER RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	*	*	*	*	*	*	*	*
B	1,880	164	1,364	5.2	579.9	579.9	580.2	0.3
C	2,748	381	1,924	3.7	582.5	582.5	582.6	0.1
D	3,588	300	1,820	3.9	585.9	585.9	586.1	0.2
E	5,227	255	795	8.9	605.1	605.1	605.4	0.3
F	6,357	170	1,172	6.1	608.4	608.4	609.0	0.6
G	7,917	130	1,128	5.9	624.4	624.4	624.9	0.5
H	8,916	155	1,220	5.5	631.1	631.1	631.8	0.7
I	10,929	110	931	7.0	649.5	649.5	650.0	0.5
J	12,158	110	870	7.5	665.4	665.4	665.8	0.4
K	13,658	239	716	9.1	676.7	676.7	677.0	0.3
L	15,203	414	1,151	5.6	690.6	690.6	690.7	0.1
M	16,039	615	1,391	4.7	695.8	695.8	695.9	0.1
N	16,582	701	2,333	2.2	701.6	701.6	701.6	0.0
O	16,932	713	823	6.3	702.9	702.9	703.3	0.4
P	17,040	705	1,291	4.0	704.8	704.8	705.1	0.3
Q	17,089	690	991	5.2	705.3	705.3	705.3	0.0
R	17,359	628	1,292	4.0	707.6	707.6	708.0	0.4
S	17,844	672	1,243	4.2	711.0	711.0	711.6	0.6
T	18,084	800	1,308	3.2	713.3	713.3	713.5	0.2
U	18,264	830	2,287	1.8	717.4	717.4	717.4	0.0
V	18,734	1,040	1,225	3.4	720.5	720.5	720.5	0.0
W	18,994	1,185	1,538	2.7	721.7	721.7	722.6	0.9
X	19,109	1,275	2,342	1.8	724.5	724.5	724.6	0.1

¹Feet above confluence with San Marcos Creek

*Data not available

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: TWIN OAKS VALLEY CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Y	19,199	385	482	5.5	724.6	724.6	725.2	0.6
Z	19,594	253	396	4.4	728.7	728.7	729.7	1.0
AA	20,034	247	308	5.7	737.2	737.2	737.8	0.6
AB	20,414	145	314	5.6	741.8	741.8	742.5	0.7
AC	20,554	145	263	6.6	743.9	743.9	744.4	0.5
AD	20,749	181	293	6.0	747.1	747.1	747.3	0.2
AE	21,079	325	368	4.8	751.7	751.7	751.8	0.1
AF	21,500	324	416	4.2	757.1	757.1	757.9	0.8
AG	21,960	339	426	4.1	761.5	761.5	762.4	0.9
AH	22,450	115	243	7.2	770.6	770.6	771.1	0.5
AI	22,605	164	304	5.7	772.8	772.8	773.4	0.6
AJ	22,676	178	300	5.8	773.7	773.7	774.1	0.4
AK	23,215	74	187	9.4	780.8	780.8	780.9	0.1
AL	23,660	98	224	7.8	788.6	788.6	789.0	0.4
AM	24,000	57	187	9.3	793.2	793.2	793.5	0.3
AN	24,155	86	284	6.2	794.9	794.9	795.7	0.8
AO	24,204	89	392	4.5	796.8	796.8	797.8	1.0
AP	24,684	61	177	9.9	806.0	806.0	806.0	0.0
AQ	25,094	65	256	6.8	811.1	811.1	811.1	0.0

¹Feet above confluence with San Marcos Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: TWIN OAKS VALLEY CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	3,361	185	583	4.9	492.2	492.2	492.2	0.0
B	3,596	174	671	1.5	494.2	494.2	494.2	0.0
C	3,894	174	273	4.9	494.9	494.9	494.9	0.0
D	4,594	160	208	7.4	501.3	501.3	501.3	0.0

¹Feet above confluence with San Dieguito River

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: UNNAMED TRIBUTARY TO SAN DIEGUITO RIVER

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	2,060	38	437	3.7	84.5	84.5	84.5	0.2
B	2,430	33	130	10.7	87.4	87.4	88.3	0.9
C	2,760	31	137	10.1	91.4	91.4	92.3	0.9
D	4,700	16	101	13.6	123.4	123.4	124.2	0.8

¹Feet above confluence with Las Chollas Creek

TABLE 24

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

FLOODWAY DATA

FLOODING SOURCE: WABASH BRANCH

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	7,700	76	486	7.3	2,489.2	2,489.2	2,490.2	1.0
B	8,120	89	332	10.7	2,500.0	2,500.0	2,500.0	0.0
C	8,610	107	589	6.0	2,507.8	2,507.8	2,508.3	0.5
D	9,100	94	604	5.9	2,511.5	2,511.5	2,512.3	0.8
E	9,570	117	546	6.5	2,516.5	2,516.5	2,517.2	0.7
F	9,964	165	398	8.9	2,535.0	2,534.9	2,534.9	0.0
G	10,354	161	559	6.3	2,543.8	2,543.8	2,544.4	0.6
H	10,834	147	700	5.1	2,548.6	2,548.6	2,549.4	0.8
I	11,374	115	343	10.3	2,567.4	2,567.4	2,567.5	0.1
J	11,702	44	258	13.7	2,690.4	2,690.4	2,690.4	0.0
K	11,882	134	1,021	3.5	2,725.0	2,725.0	2,725.0	0.0
L	12,162	121	586	6.0	2,725.4	2,725.4	2,725.7	0.3
M	12,827	97	625	5.7	2,726.4	2,726.4	2,727.2	0.8
N	13,227	76	331	10.7	2,730.4	2,730.4	2,730.6	0.2
O	13,557	98	625	5.7	2,736.8	2,736.8	2,736.9	0.1
P	13,837	165	531	6.7	2,741.2	2,741.2	2,741.3	0.1
Q	13,932	301	1,357	2.6	2,752.2	2,752.2	2,752.5	0.3
R	13,967	278	1,573	2.3	2,755.9	2,755.9	2,755.9	0.0
S	14,953	210	857	4.1	2,756.7	2,756.7	2,757.7	1.0
T	15,273	125	525	6.7	2,759.7	2,759.7	2,760.0	0.3
U	15,719	105	427	8.3	2,762.4	2,762.4	2,763.2	0.8
V	16,219	63	354	10.0	2,764.9	2,764.9	2,765.9	1.0
W	16,582	74	486	7.3	2,770.2	2,770.2	2,770.2	0.0
X	17,149	128	694	5.1	2,776.3	2,776.3	2,776.7	0.4
Y	17,610	227	755	4.7	2,779.0	2,779.0	2,779.5	0.5
Z	18,085	122	529	6.7	2,784.2	2,784.2	2,784.3	0.1

¹Feet above confluence with Santa Ysabel Creek

TABLE 24

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS**

FLOODWAY DATA

FLOODING SOURCE: WITCH CREEK