

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California

[All values rounded to the nearest whole number; because of rounding, all values may not add to totals. See figure 7 for location of the RCHRES. Units in acre-feet]

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Measured rainfall for the HRUs for channel reach 1													
1950	978.00	1,810.00	2,450.00	3,620.00	2,750.00	914.00	893.00	316.00	0.00	2800	55.90	457.00	14,300.00
1951	70.30	1,790.00	91.40	2,810.00	1,530.00	879.00	2,570.00	450.00	0.00	1,560.00	359.00	176.00	12,300.00
1952	1,010.00	942.00	10,200.00	4,860.00	830.00	6,250.00	2,580.00	0.00	49.30	957.00	14.40	63.40	27,800.00
1953	0.00	3,350.00	2,810.00	1,830.00	738.00	1,410.00	1,550.00	633.00	0.00	246.00	626.00	0.00	13,200.00
1954	246.00	929.00	809.00	5,880.00	2,260.00	6,390.00	120.00	14.40	84.70	921.00	134.00	429.00	18,200.00
1955	0.00	1,050.00	1,570.00	4,110.00	3,130.00	35.00	535.00	1,270.00	0.00	929.00	2,550.00	0.00	15,200.00
1956	0.00	1,270.00	2,010.00	5,580.00	858.00	0.00	1,740.00	401.00	0.00	246.00	0.00	0.00	12,100.00
1957	63.30	0.00	795.00	6,300.00	914.00	1,740.00	1,170.00	3,190.00	682.00	91.40	70.30	0.00	15,000.00
1958	2,830.00	1,810.00	2,170.00	2,290.00	4,340.00	8,300.00	4,870.00	183.00	0.00	000	0.00	1,390.00	28,200.00
1959	246.00	316.00	6.98	724.00	5,270.00	0.00	253.00	120.00	0.00	91.40	668.00	1,130.00	8,830.00
1960	949.00	949.00	3,580.00	2,250.00	3,980.00	738.00	1,460.00	204.00	0.00	559.00	141.00	802.00	15,100.00
1961	520.00	1,030.00	331.00	963.00	0.00	1,600.00	155.00	302.00	0.00	350.00	830.00	0.00	5,760.00
1962	422.00	1,240.00	2,070.00	2,250.00	5,650.00	1,920.00	0.00	1,230.00	147.00	000	0.00	619.00	15,600.00
1963	619.00	77.30	499.00	661.00	3,310.00	2,130.00	2,570.00	0.00	0.00	000	218.00	2,750.00	12,800.00
1964	978.00	3,530.00	190.00	3,030.00	710.00	3,590.00	2,600.00	949.00	0.00	485.00	0.00	830.00	16,900.00
1965	260.00	2,090.00	2,950.00	1,050.00	1,340.00	2,320.00	5,300.00	14.40	0.00	781.00	528.00	380.00	17,000.00
1966	70.30	9,560.00	4,230.00	1,130.00	1,880.00	731.00	211.00	14.40	0.00	204.00	55.90	401.00	18,500.00
1967	577.00	1,060.00	12,700.00	2,840.00	0.00	3,120.00	3,470.00	331.00	35.00	1,410.00	1,370.00	1,060.00	28,000.00
1968	0.00	2,050.00	2,680.00	1,160.00	548.00	1,880.00	2,090.00	718.00	0.00	1,740.00	77.30	0.00	12,900.00
1969	253.00	668.00	2,200.00	12,400.00	8,860.00	2,360.00	970.00	753.00	0.00	155.00	0.00	366.00	29,000.00
1970	134.00	1,700.00	302.00	1,600.00	963.00	5,220.00	718.00	0.00	0.00	485.00	2,250.00	35.00	13,400.00
1971	98.30	2,900.00	4,540.00	1,730.00	710.00	619.00	1,330.00	1,460.00	0.00	570.00	105.00	35.00	14,100.00
1972	1,120.00	274.00	6,150.00	35.00	858.00	0.00	450.00	296.00	1,500.00	559.00	865.00	77.30	11,700.00
1973	520.00	2,560.00	3,210.00	2,930.00	4,330.00	5,530.00	331.00	218.00	0.00	000	429.00	0.00	20,100.00
1974	253.00	2,180.00	415.00	5,900.00	218.00	2,480.00	1,480.00	63.30	0.00	710.00	302.00	0.00	14,000.00
1975	2,150.00	105.00	1,490.00	105.00	1,870.00	5,040.00	2,340.00	527.00	0.00	98.30	0.00	1,110.00	14,800.00
1976	830.00	1,760.00	352.00	0.00	5,430.00	2,200.00	1,290.00	1,280.00	6.98	464.00	0.00	5,840.00	19,500.00
1977	211.00	640.00	1,770.00	2,460.00	795.00	1,810.00	218.00	3,350.00	176.00	698	2,260.00	0.00	13,700.00
1978	126.00	309.00	4,400.00	8,560.00	5,370.00	7,400.00	2,290.00	478.00	0.00	591.00	0.00	598.00	30,100.00
1979	436.00	3,310.00	4,020.00	4,920.00	3,850.00	6,140.00	0.00	239.00	0.00	1,590.00	1,190.00	14.40	25,700.00
1980	1,670.00	126.00	1,090.00	10,100.00	12,300.00	4,660.00	1,610.00	1,130.00	6.98	559.00	0.00	0.00	32,700.00
1981	253.00	0.00	2,040.00	2,240.00	2,260.00	2,370.00	858.00	422.00	0.00	000	0.00	724.00	11,200.00
1982	309.00	1,150.00	774.00	8,190.00	3,650.00	5,870.00	1,490.00	134.00	0.00	1,610.00	1,580.00	2,090.00	26,900.00
1983	774.00	5,950.00	3,450.00	5,210.00	5,650.00	8,030.00	5,180.00	654.00	0.00	000	2,710.00	352.00	38,000.00
1984	464.00	6,170.00	5,570.00	0.00	28.00	148.00	851.00	42.40	98.30	1,510.00	999.00	675.00	16,600.00
1985	731.00	1,640.00	5,200.00	1,240.00	2,260.00	3,020.00	823.00	0.00	0.00	1,190.00	0.00	1,290.00	17,400.00
1986	1,050.00	4,420.00	1,270.00	1,460.00	4,350.00	4,400.00	225.00	0.00	0.00	1,220.00	401.00	1,580.00	20,400.00
1987	394.00	1,020.00	1,780.00	2,240.00	2,050.00	2,190.00	387.00	70.30	527.00	563.00	563.00	682.00	12,500.00
1988	3,090.00	1,960.00	2,190.00	2,650.00	900.00	633.00	2,300.00	422.00	0.00	000	992.00	49.30	15,200.00
1989	0.00	1,480.00	3,400.00	1,770.00	4,580.00	2,290.00	0.00	211.00	0.00	000	816.00	450.00	15,000.00
1990	520.00	324.00	281.00	4,230.00	2,380.00	584.00	1,060.00	696.00	183.00	1,240.00	507.00	1,030.00	13,000.00
1991	55.90	999.00	485.00	1,740.00	3,610.00	10,700.00	55.90	281.00	0.00	1,460.00	267.00	507.00	20,100.00
1992	1,060.00	70.30	2,410.00	2,250.00	4,750.00	4,090.00	429.00	134.00	0.00	169.00	1,600.00	0.00	17,000.00
1993	3,070.00	0.00	4,090.00	16,700.00	7,450.00	2,080.00	0.00	591.00	851.00	000	0.00	0.00	34,800.00
1994	155.00	2,150.00	731.00	802.00	5,110.00	2,320.00	1,860.00	105.00	0.00	144.00	837.00	0.00	14,100.00
1995	1,260.00	1,140.00	1,210.00	10,600.00	2,540.00	11,800.00	1,270.00	1,740.00	886.00	281.00	872.00	443.00	34,100.00
1996	0.00	28.00	1,220.00	2,490.00	6,390.00	2,570.00	1,080.00	14.40	0.00	70.30	422.00	0.00	14,300.00
1997	352.00	3,520.00	4,290.00	7,030.00	1,410.00	0.00	492.00	211.00	0.00	633.00	0.00	3,280.00	21,200.00
1998	176.00	3,270.00	1,970.00	4,010.00	10,800.00	5,130.00	1,930.00	3,010.00	211.00	98.30	1,260.00	55.90	31,900.00
Mean	640.00	1,770.00	2,540.00	3,650.00	3,180.00	3,180.00	1,380.00	589.00	111.00	502.00	590.00	648.00	18,800.00
Median	394.00	1,240.00	2,040.00	2,460.00	2,380.00	2,320.00	1,080.00	302.00	0.00	246.00	359.00	380.00	15,600.00

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Total simulated evapotranspiration in the HRUs for channel reach 1													
1950	934.00	1,580.00	1,300.00	1,500.00	2,080.00	2,530.00	1,990.00	533.00	12.50	28.40	55.80	449.00	13,000.00
1951	72.70	1,280.00	499.00	1,210.00	1,660.00	1,950.00	1,490.00	1,720.00	38.20	1,280.00	569.00	194.00	12,000.00
1952	514.00	1,070.00	1,500.00	1,560.00	1,930.00	2,350.00	3,520.00	3,650.00	478.00	899.00	95.50	64.20	17,600.00
1953	0.00	1,270.00	1,620.00	2,070.00	1,600.00	1,990.00	1,320.00	1,490.00	43.90	244.00	601.00	15.40	12,300.00
1954	242.00	848.00	844.00	1,150.00	2,420.00	2,470.00	3,680.00	1,630.00	159.00	894.00	153.00	422.00	14,900.00
1955	0.76	980.00	1,380.00	1,520.00	1,700.00	2,510.00	1,350.00	1,400.00	30.70	861.00	2,400.00	138.00	14,300.00
1956	5.82	920.00	1,640.00	1,020.00	1,650.00	2,570.00	2,250.00	751.00	21.00	245.00	0.80	0.00	11,100.00
1957	63.30	0.00	767.00	1,420.00	2,260.00	2,680.00	2,100.00	2,990.00	1,160.00	130.00	70.90	0.00	13,600.00
1958	1,870.00	1,790.00	1,730.00	1,260.00	2,020.00	2,400.00	3,700.00	3,850.00	511.00	35.10	0.90	1,150.00	20,300.00
1959	454.00	325.00	8.96	701.00	1,430.00	2,610.00	836.00	145.00	0.63	91.20	659.00	1,070.00	8,330.00
1960	529.00	1,350.00	1,220.00	1,540.00	1,790.00	2,890.00	2,060.00	1,170.00	28.70	57.00	140.00	788.00	13,600.00
1961	512.00	817.00	528.00	344.00	597.00	1,020.00	712.00	307.00	1.08	35.00	790.00	32.20	5,690.00
1962	339.00	653.00	1,610.00	1,560.00	1,700.00	2,450.00	2,820.00	1,580.00	227.00	4.34	0.00	548.00	13,500.00
1963	653.00	90.40	416.00	719.00	2,030.00	2,360.00	2,270.00	1,120.00	24.00	0.52	218.00	2,400.00	12,300.00
1964	1,170.00	1,830.00	1,490.00	1,170.00	1,790.00	2,120.00	3,330.00	1,980.00	108.00	408.00	73.80	641.00	16,100.00
1965	431.00	1,320.00	1,050.00	1,920.00	1,830.00	2,190.00	3,630.00	1,620.00	74.70	549.00	739.00	381.00	15,700.00
1966	75.90	1,140.00	1,810.00	1,740.00	1,830.00	2,850.00	2,210.00	242.00	12.40	200.00	60.00	351.00	12,500.00
1967	617.00	1,010.00	1,800.00	1,980.00	2,180.00	2,870.00	2,810.00	3,170.00	459.00	1,360.00	1,350.00	1,040.00	20,600.00
1968	62.00	862.00	1,610.00	1,680.00	1,660.00	1,910.00	2,150.00	818.00	29.70	1,380.00	400.00	5.82	12,600.00
1969	236.00	637.00	741.00	1,940.00	1,780.00	2,950.00	3,380.00	3,470.00	410.00	191.00	0.73	361.00	16,100.00
1970	134.00	1,460.00	501.00	1,290.00	777.00	2,960.00	2,180.00	489.00	10.10	478.00	2,020.00	226.00	12,500.00
1971	104.00	293.00	1,710.00	2,020.00	2,050.00	2,000.00	1,650.00	1,410.00	213.00	545.00	127.00	35.20	12,100.00
1972	971.00	397.00	1,140.00	1,830.00	2,130.00	977.00	450.00	318.00	1,460.00	82.50	470.00	456.00	10,700.00
1973	522.00	1,290.00	1,700.00	1,680.00	1,960.00	2,410.00	3,510.00	2,160.00	96.90	4.83	427.00	0.00	15,800.00
1974	251.00	781.00	1,530.00	1,770.00	2,010.00	2,660.00	2,240.00	386.00	10.20	677.00	326.00	0.28	12,600.00
1975	377.00	1,700.00	1,160.00	465.00	1,620.00	2,410.00	3,050.00	1,870.00	74.10	101.00	0.07	1,070.00	13,900.00
1976	609.00	430.00	1,620.00	234.00	1,920.00	2,770.00	2,470.00	1,670.00	57.70	416.00	46.20	3,440.00	15,700.00
1977	2,140.00	770.00	91.80	1,890.00	1,910.00	1,570.00	1,210.00	2,820.00	618.00	18.10	2,000.00	220.00	15,300.00
1978	134.00	305.00	834.00	1,910.00	2,110.00	3,300.00	3,500.00	3,730.00	614.00	543.00	80.30	586.00	17,600.00
1979	429.00	1,160.00	1,680.00	1,590.00	1,970.00	3,040.00	3,690.00	2,440.00	153.00	1,450.00	1,250.00	55.10	18,900.00
1980	1,010.00	740.00	712.00	1,870.00	2,410.00	2,860.00	3,910.00	3,640.00	1,210.00	145.00	2.99	0.00	18,500.00
1981	248.00	3.22	1,730.00	838.00	2,280.00	2,570.00	1,870.00	487.00	52.20	0.31	0.00	699.00	10,800.00
1982	319.00	247.00	993.00	1,790.00	2,200.00	2,780.00	3,690.00	2,770.00	221.00	1,410.00	1,480.00	1,310.00	19,200.00
1983	1,510.00	1,660.00	1,700.00	2,120.00	2,120.00	2,990.00	3,410.00	4,920.00	1,650.00	100.00	2,530.00	433.00	25,100.00
1984	508.00	1,330.00	1,880.00	2,170.00	1,940.00	1,600.00	903.00	149.00	99.30	1,280.00	1,160.00	618.00	13,600.00
1985	762.00	861.00	1,620.00	1,820.00	2,150.00	2,490.00	3,010.00	540.00	18.70	1,120.00	51.50	1,170.00	15,600.00
1986	1,130.00	1,160.00	2,020.00	1,760.00	2,230.00	3,360.00	2,730.00	515.00	19.40	1,080.00	499.00	754.00	17,300.00
1987	1,170.00	817.00	1,510.00	1,680.00	1,180.00	2,680.00	1,430.00	115.00	520.00	440.00	588.00	738.00	12,900.00
1988	2,150.00	2,060.00	1,400.00	1,900.00	1,970.00	1,240.00	1,850.00	909.00	32.40	0.24	945.00	87.60	14,600.00
1989	0.31	784.00	1,370.00	1,870.00	2,090.00	3,210.00	2,160.00	342.00	7.05	0.00	788.00	456.00	13,100.00
1990	497.00	252.00	302.00	1,720.00	1,970.00	2,440.00	1,510.00	508.00	447.00	1,190.00	522.00	975.00	12,300.00
1991	100.00	628.00	769.00	1,570.00	396.00	2,620.00	3,830.00	2,750.00	207.00	659.00	1,040.00	508.00	15,100.00
1992	345.00	761.00	1,140.00	2,000.00	2,320.00	2,930.00	3,260.00	684.00	18.20	169.00	1,540.00	35.20	15,200.00
1993	910.00	1,830.00	1,460.00	1,820.00	1,990.00	3,560.00	3,730.00	2,520.00	1,010.00	32.40	0.56	0.00	18,800.00
1994	155.00	1,330.00	1,300.00	537.00	1,930.00	3,170.00	2,650.00	1,140.00	26.80	15.40	815.00	12.60	13,100.00
1995	1,210.00	984.00	764.00	1,870.00	2,700.00	3,180.00	3,630.00	3,740.00	1,900.00	408.00	795.00	515.00	21,700.00
1996	2.60	27.90	954.00	1,090.00	2,390.00	3,230.00	3,290.00	647.00	20.50	70.80	387.00	28.80	12,100.00
1997	201.00	879.00	1,990.00	1,990.00	2,160.00	3,200.00	1,800.00	350.00	8.54	588.00	36.60	2,280.00	15,500.00
1998	1,090.00	1,370.00	1,750.00	2,000.00	1,870.00	3,100.00	3,700.00	4,120.00	2,260.00	246.00	1,230.00	79.60	22,800.00
Mean	567.00	940.00	1,240.00	1,530.00	1,890.00	2,550.00	2,530.00	1,670.00	344.00	452.00	603.00	548.00	14,900.00
Median	431.00	879.00	1,380.00	1,680.00	1,970.00	2,610.00	2,470.00	1,410.00	74.70	245.00	427.00	422.00	14,300.00

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Total runoff from HRUs flowing to channel reach 1													
1950	20.50	40.70	49.70	119.00	452.00	244.00	151.00	78.90	40.50	22.40	12.10	11.60	1,240.00
1951	3.65	29.40	4.54	48.30	32.70	56.50	50.60	24.20	8.14	27.60	5.24	2.24	292.00
1952	15.30	12.60	858.00	2,970.00	861.00	2,350.00	1,150.00	669.00	345.00	203.00	103.00	53.90	9,590.00
1953	30.10	92.00	116.00	267.00	129.00	140.00	82.90	39.80	18.10	12.50	15.30	2.84	946.00
1954	2.37	12.40	14.60	326.00	408.00	860.00	715.00	366.00	191.00	117.00	57.10	35.80	3,110.00
1955	16.50	24.80	30.70	147.00	169.00	212.00	102.00	70.10	28.20	30.90	55.40	7.57	894.00
1956	4.25	22.60	54.60	271.00	279.00	148.00	111.00	56.20	26.40	15.80	8.08	4.17	1,000.00
1957	2.45	1.25	12.50	332.00	260.00	281.00	146.00	143.00	65.60	30.20	16.20	8.35	1,300.00
1958	44.10	49.70	73.50	77.70	469.00	1,850.00	2,800.00	862.00	450.00	251.00	134.00	91.80	7,150.00
1959	40.70	22.00	11.50	17.20	284.00	151.00	78.10	42.90	22.40	12.50	12.50	21.20	715.00
1960	13.00	21.00	79.90	191.00	416.00	380.00	196.00	102.00	52.40	29.20	15.90	17.40	1,510.00
1961	10.30	13.30	2.91	16.20	1.11	19.70	1.65	2.73	0.34	0.19	7.09	0.00	76.10
1962	2.37	19.40	56.90	64.30	405.00	661.00	311.00	188.00	91.80	51.10	27.30	23.90	1,900.00
1963	13.40	4.20	7.16	8.00	77.10	49.10	56.40	15.50	8.01	4.57	2.34	49.90	296.00
1964	18.00	83.50	24.70	89.40	40.00	130.00	226.00	120.00	56.30	38.50	16.90	20.70	865.00
1965	6.23	39.60	72.50	79.60	78.50	78.90	534.00	228.00	119.00	76.70	39.10	21.00	1,370.00
1966	10.40	1,330.00	1,300.00	922.00	959.00	522.00	273.00	152.00	79.50	44.40	23.70	15.00	5,630.00
1967	10.60	21.60	4,060.00	786.00	459.00	526.00	475.00	298.00	153.00	109.00	63.00	37.70	7,000.00
1968	13.70	36.00	106.00	65.10	38.80	52.70	54.80	21.60	5.06	25.70	1.82	0.78	422.00
1969	0.46	11.00	40.50	2,520.00	4,310.00	2,620.00	1,220.00	677.00	346.00	193.00	103.00	57.70	12,100.00
1970	30.20	38.20	13.80	30.30	17.20	452.00	130.00	68.20	35.50	24.30	43.00	5.83	888.00
1971	3.26	54.00	481.00	624.00	270.00	187.00	108.00	71.10	28.40	21.80	8.47	4.26	1,860.00
1972	17.50	4.14	295.00	258.00	162.00	85.50	50.90	25.50	29.50	7.60	15.30	2.39	953.00
1973	1.29	62.40	244.00	257.00	570.00	1,280.00	779.00	428.00	222.00	124.00	67.90	34.60	4,070.00
1974	21.00	47.60	23.10	491.00	169.00	247.00	166.00	74.10	38.70	29.80	12.00	5.96	1,330.00
1975	41.20	16.80	28.70	4.67	31.60	190.00	255.00	135.00	67.30	37.50	20.10	23.80	852.00
1976	14.00	35.00	12.80	4.66	399.00	428.00	190.00	127.00	53.90	33.50	16.20	175.00	1,490.00
1977	60.80	35.80	48.20	180.00	64.40	68.60	23.80	87.30	21.60	12.10	42.20	4.51	650.00
1978	2.39	4.61	134.00	2,120.00	2,070.00	4,030.00	1,530.00	871.00	443.00	256.00	132.00	74.00	11,700.00
1979	41.60	102.00	373.00	772.00	1,370.00	1,630.00	1,070.00	527.00	275.00	180.00	96.00	43.50	6,490.00
1980	55.30	12.70	22.20	1,040.00	6,050.00	3,350.00	1,240.00	803.00	399.00	223.00	119.00	62.20	13,400.00
1981	37.00	18.30	59.60	46.70	80.10	88.60	49.40	26.90	12.00	6.85	3.69	13.90	443.00
1982	2.69	18.80	13.20	924.00	1,480.00	1,290.00	1,270.00	573.00	299.00	189.00	112.00	77.40	6,250.00
1983	41.40	138.00	688.00	904.00	1,780.00	3,860.00	2,160.00	1,720.00	768.00	429.00	275.00	126.00	12,900.00
1984	73.80	394.00	1,060.00	666.00	294.00	172.00	98.10	50.30	26.30	29.90	19.80	10.60	2,890.00
1985	14.50	20.60	264.00	259.00	374.00	305.00	210.00	109.00	56.90	48.90	17.50	28.80	1,710.00
1986	17.00	100.00	249.00	120.00	289.00	707.00	359.00	200.00	104.00	76.00	35.80	43.70	2,300.00
1987	16.40	23.80	38.50	63.80	50.00	80.70	40.20	20.30	16.50	14.50	8.72	10.50	384.00
1988	51.70	60.80	60.10	142.00	124.00	75.50	62.40	26.40	12.20	6.71	10.70	2.04	635.00
1989	1.18	25.00	67.40	224.00	673.00	376.00	204.00	113.00	59.00	32.90	29.90	11.90	1,820.00
1990	8.91	6.41	2.65	109.00	181.00	122.00	73.50	45.90	18.20	27.80	11.70	17.70	626.00
1991	1.86	16.00	4.82	28.30	66.80	2,720.00	954.00	485.00	251.00	161.00	77.30	45.70	4,810.00
1992	40.60	11.50	44.20	120.00	357.00	400.00	361.00	185.00	96.30	53.70	52.80	15.30	1,740.00
1993	57.80	35.30	99.10	6,670.00	4,030.00	1,890.00	1,050.00	577.00	309.00	165.00	88.40	46.10	15,000.00
1994	25.80	58.30	25.00	20.70	297.00	239.00	159.00	81.80	42.00	23.70	21.20	6.69	999.00
1995	20.70	13.20	15.20	1,680.00	1,190.00	6,040.00	1,170.00	762.00	389.00	213.00	126.00	60.70	11,700.00
1996	32.90	17.20	28.20	45.90	353.00	791.00	386.00	209.00	109.00	61.10	38.40	17.00	2,090.00
1997	12.30	104.00	468.00	1,660.00	869.00	651.00	330.00	182.00	94.40	60.20	28.30	70.20	4,530.00
1998	15.00	65.90	115.00	347.00	2,800.00	2,050.00	1,780.00	1,110.00	566.00	315.00	181.00	88.20	9,430.00
Mean	21.20	69.90	244.00	594.00	747.00	921.00	510.00	283.00	142.00	84.90	49.60	32.90	3,700.00
Median	15.30	24.80	54.60	191.00	297.00	376.00	210.00	127.00	59.00	37.50	27.30	20.70	1,710.00

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Land-surface infiltration in the HRUs for channel reach 1													
1950	0.00	0.41	1.07	7.16	35.80	1.59	0.72	0.03	0.00	0.00	0.00	0.00	46.90
1951	0.00	0.42	0.00	1.23	0.30	1.76	0.65	0.03	0.00	0.03	0.00	0.00	4.74
1952	0.01	0.04	85.40	171.00	15.10	211.00	39.60	0.00	0.00	0.00	0.00	0.00	522.00
1953	0.00	3.67	7.73	11.20	0.64	2.44	0.24	0.03	0.00	0.00	0.00	0.00	26.00
1954	0.00	0.00	0.00	36.20	21.40	88.90	0.00	0.00	0.00	0.00	0.00	0.00	147.00
1955	0.00	0.00	0.23	10.60	14.10	0.00	0.10	0.22	0.00	0.00	0.79	0.00	26.00
1956	0.00	0.04	1.61	29.90	9.56	0.00	1.15	0.07	0.00	0.00	0.00	0.00	42.10
1957	0.00	0.00	0.00	40.80	2.56	6.56	0.43	2.94	0.07	0.00	0.00	0.00	53.50
1958	0.50	1.28	1.68	2.22	42.70	156.00	182.00	0.03	0.00	0.00	0.00	0.00	385.00
1959	0.00	0.00	0.00	0.00	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.40
1960	0.00	0.21	3.99	13.70	34.80	4.39	0.65	0.03	0.00	0.00	0.00	0.00	58.00
1961	0.00	0.00	0.00	0.01	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.20
1962	0.00	0.20	2.02	1.84	48.90	25.80	0.00	0.18	0.00	0.00	0.00	0.00	79.10
1963	0.00	0.00	0.00	0.00	2.79	0.72	0.92	0.00	0.00	0.00	0.00	0.75	4.97
1964	0.03	3.37	0.04	4.46	0.20	7.58	11.00	0.91	0.00	0.00	0.00	0.00	27.70
1965	0.00	0.72	4.39	3.35	1.47	1.52	41.90	0.00	0.00	0.00	0.00	0.00	53.60
1966	0.00	99.40	121.00	19.70	47.10	3.99	0.03	0.00	0.00	0.00	0.00	0.00	291.00
1967	0.00	0.19	180.00	62.70	0.00	26.90	19.80	1.18	0.00	0.03	0.03	0.03	291.00
1968	0.00	0.55	5.83	0.57	0.13	0.46	0.31	0.03	0.00	0.00	0.00	0.00	8.09
1969	0.00	0.00	1.12	216.00	356.00	91.80	25.60	4.44	0.00	0.00	0.00	0.00	694.00
1970	0.00	0.20	0.00	0.51	0.00	36.80	0.10	0.00	0.00	0.00	0.03	0.00	37.80
1971	0.00	4.95	48.30	33.50	1.45	0.62	0.22	0.11	0.00	0.00	0.00	0.00	89.20
1972	0.01	0.00	42.30	0.00	2.71	0.00	0.00	0.00	0.03	0.00	0.00	0.00	45.00
1973	0.00	2.66	16.40	12.10	48.50	104.00	0.51	0.14	0.00	0.00	0.00	0.00	185.00
1974	0.00	0.90	0.43	42.70	0.09	6.84	1.96	0.00	0.00	0.00	0.00	0.00	52.90
1975	1.86	0.01	0.08	0.00	0.54	14.40	11.10	0.07	0.00	0.00	0.00	0.00	28.10
1976	0.00	0.82	0.04	0.00	34.70	23.10	0.79	0.31	0.00	0.00	0.00	8.67	68.90
1977	0.03	0.03	0.00	14.10	0.16	0.45	0.04	2.79	0.00	0.00	0.08	0.00	18.00
1978	0.00	0.00	15.40	190.00	182.00	277.00	39.50	5.54	0.00	0.00	0.00	0.00	710.00
1979	0.00	4.88	32.00	83.00	92.90	118.00	0.00	0.14	0.00	0.00	0.04	0.00	331.00
1980	0.00	0.00	0.04	122.00	449.00	166.00	18.60	8.42	0.00	0.00	0.00	0.00	764.00
1981	0.00	0.00	1.39	1.11	3.27	2.21	0.29	0.00	0.00	0.00	0.00	0.00	8.23
1982	0.00	0.20	0.00	88.20	86.70	118.00	36.20	0.00	0.00	0.19	0.20	0.50	331.00
1983	0.00	10.20	58.70	101.00	165.00	298.00	147.00	17.90	0.00	0.00	1.00	0.00	800.00
1984	0.00	42.50	83.90	0.00	0.00	0.03	0.07	0.00	0.00	0.00	0.03	0.00	127.00
1985	0.00	0.20	28.60	6.58	16.70	8.49	0.70	0.00	0.00	0.01	0.00	0.01	61.70
1986	0.03	10.40	12.50	0.39	18.10	51.20	0.37	0.00	0.00	0.01	0.00	0.20	93.60
1987	0.00	0.00	0.69	1.96	1.72	2.77	0.16	0.00	0.00	0.00	0.00	0.00	7.39
1988	1.23	1.73	1.04	5.90	2.39	0.46	0.66	0.03	0.00	0.00	0.00	0.00	13.60
1989	0.00	0.00	2.95	18.10	48.50	8.61	0.00	0.00	0.00	0.00	0.00	0.00	77.90
1990	0.00	0.00	0.00	6.90	11.40	0.22	0.07	0.00	0.00	0.03	0.00	0.00	18.70
1991	0.00	0.00	0.00	0.26	1.10	238.00	0.00	0.56	0.00	0.00	0.00	0.00	240.00
1992	0.00	0.00	0.29	7.52	26.60	19.40	3.81	0.00	0.00	0.00	0.03	0.00	57.70
1993	2.62	0.00	5.36	510.00	310.00	52.20	0.00	0.76	0.18	0.00	0.00	0.00	882.00
1994	0.00	1.61	0.04	0.00	27.60	5.21	1.18	0.00	0.00	0.00	0.00	0.00	35.60
1995	0.00	0.00	0.20	172.00	64.80	350.00	18.10	12.70	0.56	0.00	0.00	0.00	619.00
1996	0.00	0.00	0.20	0.81	49.50	38.50	1.59	0.00	0.00	0.00	0.00	0.00	90.80
1997	0.00	5.89	48.50	168.00	15.00	0.00	0.73	0.00	0.00	0.00	0.00	1.08	239.00
1998	0.00	1.49	5.68	23.20	264.00	137.00	49.00	27.90	0.31	0.00	0.04	0.00	509.00
Mean	0.13	4.06	16.80	45.80	52.80	55.30	13.40	1.79	0.02	0.01	0.05	0.23	190.00
Median	0.00	0.20	1.12	7.52	15.10	7.58	0.65	0.03	0.00	0.00	0.00	0.00	61.70

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Measured rainfall for channel reach 1													
1950	0.28	2.19	5.76	3.27	11.40	1.81	2.22	0.52	0.00	0.02	0.03	0.20	27.70
1951	0.02	1.56	0.02	6.66	1.12	2.05	5.43	0.22	0.00	0.79	0.23	0.04	18.10
1952	0.30	0.99	59.60	51.20	7.93	68.70	29.90	0.00	0.22	2.09	0.02	0.06	221.00
1953	0.00	10.40	4.28	4.46	1.85	4.14	1.48	0.88	0.00	0.15	0.00	0.00	27.60
1954	0.03	0.15	0.00	23.10	9.49	46.20	0.66	0.07	0.15	1.46	0.16	0.37	81.80
1955	0.00	0.54	0.42	5.17	9.68	0.06	0.64	2.11	0.00	0.43	1.03	0.00	20.10
1956	0.00	0.19	2.46	27.20	2.12	0.00	3.23	0.42	0.00	0.14	0.00	0.00	35.80
1957	0.00	0.00	0.23	15.60	1.95	4.91	3.01	7.18	0.72	0.07	0.03	0.00	33.70
1958	1.63	2.05	4.71	7.67	19.60	66.70	57.20	1.96	0.00	0.00	0.00	1.69	163.00
1959	0.25	0.27	0.00	0.76	16.90	0.00	0.33	0.11	0.00	0.06	0.38	0.00	19.00
1960	0.41	0.58	3.76	6.94	11.70	3.07	3.85	0.37	0.00	0.03	0.08	0.08	30.80
1961	0.18	0.43	0.07	2.04	0.00	0.37	0.00	0.05	0.00	0.00	0.26	0.00	3.40
1962	0.02	1.50	2.32	6.37	20.70	12.40	0.00	3.52	0.20	0.00	0.00	0.28	47.30
1963	0.71	0.02	0.08	0.37	4.88	0.69	1.57	0.00	0.00	0.00	0.03	7.69	16.00
1964	1.84	6.91	0.14	9.09	0.64	14.60	6.30	2.44	0.00	0.28	0.00	0.36	42.60
1965	0.02	3.17	9.81	0.79	1.85	2.63	26.60	0.03	0.00	0.65	0.26	0.46	46.20
1966	0.03	63.20	36.20	6.71	17.80	3.66	0.51	0.03	0.00	0.17	0.04	0.23	129.00
1967	0.43	2.51	62.70	15.20	0.00	14.00	15.60	1.04	0.07	1.85	1.32	0.59	115.00
1968	0.00	0.63	5.04	2.78	0.54	4.54	1.18	0.28	0.00	0.46	0.02	0.00	15.50
1969	0.00	0.00	1.60	97.50	104.00	27.80	11.40	7.68	0.00	0.31	0.00	0.43	251.00
1970	0.11	1.35	0.16	2.95	0.51	34.60	1.06	0.00	0.00	0.26	1.17	0.00	42.20
1971	0.00	5.65	13.90	5.50	2.18	1.17	2.95	2.21	0.00	0.04	0.00	0.02	33.70
1972	1.69	0.05	22.30	0.07	2.26	0.00	0.40	0.20	1.75	0.02	0.07	0.00	28.80
1973	0.07	2.67	10.80	3.79	23.80	53.00	2.14	1.20	0.00	0.00	0.42	0.00	98.00
1974	0.17	2.19	0.44	18.70	0.40	6.09	2.46	0.07	0.00	0.59	0.13	0.00	31.30
1975	5.00	0.16	1.71	0.03	2.83	9.63	6.35	0.77	0.00	0.06	0.00	0.51	27.10
1976	0.16	6.19	0.14	0.00	17.70	10.50	2.76	1.95	0.01	0.61	0.00	21.90	61.90
1977	0.21	0.67	0.83	4.61	1.27	2.55	0.18	7.20	0.11	0.00	2.64	0.00	20.30
1978	0.04	0.00	9.08	68.90	62.00	86.90	26.80	5.61	0.00	1.27	0.00	0.78	261.00
1979	0.43	7.65	18.10	26.60	39.50	69.50	0.00	1.79	0.00	3.58	1.95	0.01	169.00
1980	1.13	0.07	0.88	48.70	134.00	54.80	18.90	12.00	0.02	0.11	0.00	0.00	270.00
1981	0.23	0.00	7.22	2.40	1.39	2.73	1.04	0.49	0.00	0.00	0.00	0.20	15.70
1982	0.01	1.94	0.52	32.00	30.70	58.20	17.50	0.96	0.00	2.76	4.34	5.71	155.00
1983	0.52	16.00	12.80	40.50	66.30	94.30	60.80	7.68	0.00	0.00	10.20	0.56	310.00
1984	0.48	17.40	29.30	0.00	0.07	0.28	1.14	0.03	0.05	1.04	0.49	0.10	50.30
1985	0.22	1.38	15.60	2.77	5.33	11.30	1.33	0.00	0.00	2.36	0.00	1.53	41.80
1986	0.46	8.90	3.84	1.72	5.75	23.90	1.07	0.00	0.00	3.14	0.23	4.77	53.80
1987	0.24	0.32	2.90	0.52	7.04	3.01	0.51	0.04	0.56	0.03	0.15	0.07	15.40
1988	7.91	4.20	1.62	6.58	1.22	1.41	3.90	0.30	0.00	0.00	0.53	0.01	27.70
1989	0.00	0.21	0.50	0.95	26.80	8.23	0.00	0.32	0.00	0.00	0.48	0.13	37.60
1990	0.21	0.05	0.04	7.57	8.53	0.85	1.24	0.51	0.10	2.08	0.52	0.31	22.00
1991	0.06	0.11	0.28	4.09	13.20	110.00	0.66	1.43	0.00	2.25	0.35	0.48	133.00
1992	0.65	0.04	4.73	6.88	12.00	9.23	2.46	0.27	0.00	0.17	2.75	0.00	39.10
1993	6.52	0.00	6.18	166.00	87.50	24.40	0.00	3.78	3.44	0.00	0.00	0.00	298.00
1994	0.12	4.86	0.45	0.28	13.60	4.83	3.96	0.14	0.00	0.01	1.34	0.00	29.60
1995	1.17	0.17	2.11	68.10	24.20	137.00	14.90	19.00	3.24	0.62	1.27	0.57	272.00
1996	0.00	0.02	2.42	1.12	29.70	13.60	3.19	0.03	0.00	0.06	0.28	0.00	50.40
1997	0.10	17.40	12.40	62.00	11.20	0.00	1.74	0.44	0.00	1.27	0.00	6.32	113.00
1998	0.09	3.18	5.11	14.50	103.00	60.30	22.60	34.50	1.95	0.24	3.52	0.09	249.00
Mean	0.70	4.08	7.87	18.20	20.00	23.90	7.62	2.69	0.26	0.64	0.75	1.15	87.80
Median	0.18	0.99	2.46	6.37	9.49	8.23	2.22	0.49	0.00	0.17	0.15	0.09	42.20

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Total simulated evaporation for channel reach 1													
1950	2.81	2.48	2.20	3.19	11.10	8.60	9.80	7.90	7.07	6.54	3.88	2.83	68.40
1951	1.00	2.66	0.79	2.21	2.14	3.73	4.98	4.47	2.18	9.88	2.25	1.19	37.50
1952	1.66	1.27	4.02	22.40	25.70	35.40	54.60	59.40	24.00	25.40	15.80	8.61	278.00
1953	4.67	4.02	3.48	7.15	4.20	6.20	6.43	5.04	4.35	5.25	5.07	1.10	57.00
1954	0.74	1.43	0.79	5.05	10.70	18.40	41.50	21.90	17.00	18.90	8.60	6.39	151.00
1955	2.63	2.30	1.80	4.10	5.29	7.68	6.68	7.03	5.60	7.42	12.20	2.02	64.80
1956	0.93	1.48	2.38	4.22	5.67	6.64	7.38	7.12	5.98	5.01	2.28	1.48	50.60
1957	0.59	0.34	0.78	6.25	7.49	9.97	8.52	12.60	11.60	8.16	4.95	2.53	73.70
1958	3.90	3.26	3.40	3.25	11.60	28.20	57.60	72.20	35.70	25.10	18.30	12.10	275.00
1959	5.46	2.25	1.53	1.37	6.57	7.09	7.09	5.60	5.85	4.56	5.21	3.63	56.20
1960	1.76	1.69	2.99	4.34	7.82	12.80	10.90	9.78	9.50	8.12	4.37	4.24	78.30
1961	1.53	1.32	0.47	1.16	0.31	2.31	0.78	1.17	0.25	0.13	2.57	0.08	12.10
1962	0.51	1.39	2.27	2.74	8.59	20.40	15.20	13.10	11.90	10.10	7.23	5.71	99.20
1963	2.36	0.87	0.81	0.68	3.54	4.18	5.82	3.53	2.59	2.14	1.32	6.82	34.70
1964	2.45	4.33	1.67	3.47	2.28	6.75	10.80	10.80	8.74	10.10	3.85	3.69	68.90
1965	1.57	2.55	1.88	3.23	3.59	5.05	25.90	14.10	11.40	13.20	8.46	3.71	94.70
1966	2.33	11.10	21.00	19.50	22.90	21.10	14.60	14.20	12.70	10.70	7.36	4.64	162.00
1967	2.51	1.89	23.00	15.20	16.80	20.80	20.40	19.70	15.10	20.30	14.90	7.19	178.00
1968	2.82	2.78	3.40	2.91	3.14	4.02	4.57	3.72	2.00	8.98	1.10	0.54	40.00
1969	0.31	0.92	1.59	11.60	26.60	45.10	56.70	60.20	25.80	25.00	18.40	10.60	283.00
1970	3.84	3.53	1.48	2.35	1.43	12.70	7.85	8.69	7.61	7.56	10.70	1.74	69.50
1971	0.80	1.86	7.17	11.70	7.44	8.19	7.81	9.58	6.27	7.45	3.25	1.63	73.20
1972	1.52	0.77	4.64	5.54	6.01	6.59	5.60	5.09	7.85	3.11	4.45	1.21	52.40
1973	0.65	2.89	4.95	5.71	14.10	31.80	42.90	31.50	22.50	17.70	12.00	5.62	192.00
1974	3.28	2.77	1.73	8.23	5.23	9.31	10.10	8.81	8.12	8.18	3.55	1.89	71.20
1975	2.32	1.66	1.78	0.74	2.38	8.18	10.80	12.20	9.98	8.83	5.34	5.51	69.80
1976	1.98	1.87	1.33	0.78	8.35	11.40	9.88	12.90	9.54	8.76	3.83	14.10	84.70
1977	5.31	3.02	1.41	5.41	3.58	4.45	3.51	7.86	5.70	4.04	9.20	1.49	55.00
1978	0.83	0.79	3.37	23.30	31.20	50.30	54.40	73.80	46.10	29.90	18.00	8.93	341.00
1979	4.66	4.22	6.57	12.60	26.80	44.20	56.60	40.90	25.40	24.40	14.60	8.12	269.00
1980	4.87	1.57	2.37	11.70	33.90	43.10	64.10	62.50	36.30	29.30	17.40	10.20	317.00
1981	5.52	2.28	3.08	2.67	4.08	5.68	5.88	5.61	3.94	2.97	1.88	3.68	47.30
1982	0.75	0.88	1.01	12.60	25.30	32.40	55.40	42.70	21.40	25.10	17.60	9.51	245.00
1983	4.29	4.16	11.40	13.30	32.10	45.00	52.20	93.70	84.40	47.90	29.70	15.30	433.00
1984	6.74	7.46	11.50	18.80	7.70	8.43	8.07	9.14	6.66	9.84	6.19	3.31	104.00
1985	1.67	1.85	5.79	5.88	8.98	10.20	13.20	10.90	10.60	11.70	3.82	3.88	88.50
1986	3.12	3.19	6.46	5.15	10.10	27.70	18.50	15.70	14.70	14.20	9.13	5.08	133.00
1987	2.58	2.09	1.79	2.58	2.54	5.72	5.34	4.55	5.30	4.77	3.51	4.71	45.50
1988	4.47	4.55	2.85	4.91	5.39	5.51	6.44	4.47	3.10	2.95	4.91	1.03	50.60
1989	0.58	1.62	1.67	4.93	13.50	13.70	13.70	11.60	10.40	9.12	7.63	3.17	91.50
1990	1.83	1.05	0.57	3.53	6.49	6.88	7.32	7.06	4.79	10.60	4.78	4.33	59.20
1991	1.00	1.30	0.54	1.91	1.27	33.90	50.40	30.20	21.50	20.10	15.50	8.93	187.00
1992	4.95	1.80	2.62	4.14	10.40	13.80	21.10	15.80	12.60	10.90	12.90	3.95	115.00
1993	5.41	3.09	3.50	24.30	29.80	54.90	68.20	55.50	28.40	20.30	14.90	8.47	317.00
1994	4.21	3.53	1.96	1.77	7.80	10.50	10.60	8.89	9.18	6.94	7.45	1.88	74.80
1995	2.91	1.27	1.35	21.00	36.30	47.50	59.40	59.90	33.80	26.30	20.70	10.60	321.00
1996	4.83	2.41	2.12	2.06	9.47	30.60	20.10	16.60	15.00	13.40	10.00	3.87	131.00
1997	2.47	3.96	9.03	24.70	26.90	33.20	15.90	18.50	13.10	12.90	7.95	11.70	180.00
1998	2.55	3.60	3.98	7.86	24.00	47.40	57.90	68.80	58.20	33.10	24.90	10.70	343.00
Mean	2.70	2.56	3.84	7.64	12.00	19.10	23.10	22.60	15.50	13.40	9.26	5.38	137.00
Median	2.47	2.25	2.27	4.93	7.82	11.40	10.90	12.20	10.40	10.10	7.45	4.24	88.50

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Streamflow out of channel reach 1													
1950	6.59	32.70	21.50	74.60	95.30	28.40	19.80	7.04	3.01	1.47	0.76	3.08	294.00
1951	0.23	12.80	0.34	23.20	11.10	12.40	18.00	5.12	0.52	11.60	1.31	0.49	97.20
1952	7.49	5.91	5,190.00	7,590.00	469.00	7,340.00	1,630.00	276.00	41.80	24.60	10.00	5.21	22,600.00
1953	2.92	32.20	28.70	41.90	16.50	24.10	16.90	5.68	1.21	1.65	5.23	0.16	177.00
1954	0.53	5.92	7.13	171.00	164.00	1,150.00	280.00	44.30	17.00	14.20	4.83	5.50	1,860.00
1955	1.40	9.05	13.20	41.80	41.60	21.70	11.60	12.70	2.00	8.76	22.60	0.53	187.00
1956	0.31	10.40	23.70	514.00	37.20	13.20	20.30	6.91	1.87	1.44	0.52	0.25	630.00
1957	0.16	0.08	6.08	78.90	30.40	40.80	18.50	35.20	9.93	2.04	1.04	0.55	224.00
1958	18.90	15.70	23.20	52.90	139.00	5,380.00	9,880.00	452.00	78.90	24.10	12.50	17.70	16,100.00
1959	4.35	2.75	1.07	6.27	68.60	13.00	6.92	3.35	1.51	0.74	3.18	9.12	121.00
1960	5.76	9.02	32.50	35.60	74.20	55.50	26.40	9.14	3.95	1.98	1.14	5.21	261.00
1961	3.22	5.84	0.87	8.12	0.09	9.66	0.18	1.02	0.01	0.01	3.54	0.01	32.60
1962	1.20	9.67	21.10	22.60	116.00	196.00	31.40	21.90	7.52	3.82	1.90	5.95	439.00
1963	3.38	0.32	2.68	3.59	103.00	17.50	21.50	1.28	0.46	0.20	0.09	24.20	179.00
1964	7.63	33.90	2.47	31.20	5.32	42.50	40.30	16.00	4.01	5.54	1.10	6.74	197.00
1965	0.97	17.20	68.20	13.20	17.80	19.70	155.00	18.60	9.34	10.10	4.26	2.55	337.00
1966	0.72	4,100.00	778.00	580.00	690.00	132.00	27.40	14.60	7.21	3.75	1.86	2.33	6,340.00
1967	2.45	9.25	23,500.00	996.00	148.00	142.00	144.00	46.30	14.70	19.60	12.50	9.13	25,100.00
1968	1.21	14.40	31.20	12.90	5.39	16.60	55.40	6.73	0.27	11.50	0.08	0.03	156.00
1969	0.02	5.57	19.10	11,500.00	22,400.00	11,000.00	2,930.00	301.00	43.50	20.00	10.30	7.23	48,100.00
1970	3.12	12.50	2.93	12.00	5.79	179.00	15.10	5.49	2.58	3.49	17.00	0.39	260.00
1971	0.22	26.20	212.00	152.00	29.60	22.00	15.30	13.60	2.16	4.06	0.53	0.28	478.00
1972	7.69	1.24	78.80	24.40	21.50	7.18	6.94	2.18	9.04	0.43	5.96	0.20	166.00
1973	0.15	23.90	49.90	46.70	291.00	939.00	333.00	71.20	19.80	10.60	6.33	2.91	1,790.00
1974	2.45	18.20	3.75	168.00	14.70	43.40	35.20	5.80	2.75	5.57	0.98	0.38	302.00
1975	18.90	1.58	11.60	0.39	13.40	51.40	39.80	13.70	5.02	2.54	1.31	7.46	167.00
1976	4.12	17.00	2.16	0.36	135.00	64.90	23.20	21.10	4.11	3.78	1.17	86.50	363.00
1977	5.57	5.15	30.90	45.10	9.12	19.10	1.91	56.80	1.45	0.71	18.30	0.29	194.00
1978	0.16	1.76	46.70	4,100.00	4,680.00	21,300.00	5,130.00	733.00	92.40	29.80	13.20	9.58	36,100.00
1979	5.49	32.90	79.40	290.00	2,460.00	4,240.00	1,820.00	141.00	26.10	27.90	14.40	3.78	9,150.00
1980	35.20	1.19	8.34	2,440.00	39,100.00	17,700.00	3,400.00	598.00	80.10	23.20	12.20	6.30	63,400.00
1981	4.82	1.89	22.20	19.60	60.10	23.40	7.67	3.51	0.74	0.35	0.16	6.08	151.00
1982	0.86	9.54	6.08	1,240.00	3,200.00	1,610.00	2,360.00	163.00	29.20	26.70	19.60	19.30	8,690.00
1983	8.50	156.00	400.00	1,310.00	4,190.00	16,000.00	8,890.00	5,640.00	407.00	80.70	44.90	13.10	37,200.00
1984	8.99	247.00	3,450.00	291.00	27.80	16.20	12.40	4.19	2.01	8.63	6.39	3.42	4,080.00
1985	6.42	9.83	65.70	31.30	78.50	53.70	25.40	8.85	4.22	10.80	1.25	10.70	307.00
1986	6.21	43.10	33.80	20.90	428.00	319.00	56.70	16.60	8.16	13.50	4.29	15.20	965.00
1987	3.48	9.71	16.40	22.20	19.40	21.50	4.86	1.35	3.56	4.53	2.72	4.50	114.00
1988	22.90	18.20	19.20	36.40	18.90	10.20	16.10	3.31	0.79	0.34	3.55	0.09	150.00
1989	0.05	12.70	51.30	35.80	768.00	57.00	18.50	9.58	4.59	2.30	7.46	2.03	969.00
1990	2.28	2.17	0.76	40.10	38.90	12.30	11.10	8.31	1.21	9.16	3.22	7.53	137.00
1991	0.19	7.70	2.10	13.30	129.00	6,890.00	596.00	88.10	24.60	21.90	9.82	6.76	7,790.00
1992	11.70	1.08	20.20	28.30	126.00	83.30	64.40	15.20	7.56	3.94	14.10	1.05	377.00
1993	24.90	4.43	37.30	39,900.00	21,400.00	8,060.00	2,270.00	209.00	40.80	17.90	9.21	4.75	72,000.00
1994	2.71	20.20	6.45	7.04	82.10	39.60	24.20	6.81	2.97	1.51	5.05	0.44	199.00
1995	8.89	5.82	7.20	2,490.00	1,380.00	43,500.00	2,790.00	515.00	73.60	23.30	18.60	6.97	50,900.00
1996	3.32	1.75	10.30	19.70	121.00	294.00	55.10	18.00	8.89	4.57	5.25	1.27	543.00
1997	2.22	58.20	83.10	2,600.00	451.00	221.00	37.60	17.40	8.33	8.21	2.18	28.40	3,510.00
1998	1.33	28.90	25.50	73.30	10,000.00	6,650.00	5,820.00	1,800.00	230.00	31.80	22.70	8.47	24,700.00
Mean	5.56	104.00	705.00	1,580.00	2,320.00	3,140.00	1,000.00	234.00	27.60	11.20	7.56	7.43	9,150.00
Median	3.22	9.71	21.50	41.80	95.30	55.50	31.40	15.20	5.02	5.57	4.83	4.75	377.00

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Channel infiltration for channel reach 1													
1950	82.40	206.00	269.00	439.00	1,190.00	355.00	247.00	88.10	37.60	18.40	9.50	38.50	2,980.00
1951	2.93	160.00	4.30	290.00	138.00	155.00	225.00	64.00	6.52	145.00	16.30	6.06	1,210.00
1952	93.70	73.90	1,830.00	11,200.00	5,500.00	12,100.00	7,830.00	3,450.00	522.00	307.00	125.00	65.20	43,100.00
1953	36.50	403.00	359.00	524.00	206.00	301.00	211.00	71.10	15.20	20.60	65.30	1.95	2,210.00
1954	6.65	73.90	89.10	1,010.00	971.00	3,390.00	3,370.00	554.00	213.00	178.00	60.30	68.70	9,980.00
1955	17.40	113.00	165.00	523.00	520.00	272.00	146.00	158.00	25.00	109.00	282.00	6.60	2,340.00
1956	3.82	130.00	246.00	1,140.00	465.00	164.00	254.00	86.40	23.30	18.00	6.48	3.06	2,540.00
1957	1.94	0.99	76.10	986.00	380.00	510.00	231.00	439.00	124.00	25.50	13.00	6.82	2,800.00
1958	237.00	196.00	290.00	294.00	1,490.00	7,750.00	13,100.00	5,080.00	986.00	302.00	156.00	221.00	30,100.00
1959	54.40	34.40	13.40	78.30	858.00	163.00	86.50	41.80	18.90	9.23	39.80	114.00	1,510.00
1960	72.00	113.00	406.00	445.00	928.00	694.00	330.00	114.00	49.30	24.80	14.30	65.10	3,260.00
1961	40.30	73.00	10.90	101.00	1.10	121.00	2.31	12.80	0.18	0.10	44.30	0.06	407.00
1962	15.00	121.00	236.00	282.00	1,450.00	2,450.00	393.00	274.00	94.00	47.80	23.70	74.30	5,460.00
1963	42.30	4.03	33.40	44.90	314.00	219.00	269.00	15.90	5.71	2.52	1.18	303.00	1,260.00
1964	95.40	423.00	30.90	390.00	66.50	531.00	504.00	200.00	50.20	69.20	13.70	84.20	2,460.00
1965	12.10	215.00	336.00	165.00	222.00	247.00	1,940.00	232.00	117.00	126.00	53.20	31.90	3,690.00
1966	8.95	4,310.00	5,350.00	4,390.00	5,020.00	1,650.00	342.00	183.00	90.10	46.90	23.30	29.10	21,500.00
1967	30.70	116.00	10,000.00	2,980.00	1,850.00	1,770.00	1,810.00	579.00	183.00	245.00	157.00	114.00	19,900.00
1968	15.10	180.00	390.00	161.00	67.40	207.00	228.00	84.10	3.42	143.00	0.99	0.37	1,480.00
1969	0.28	69.60	239.00	5,970.00	13,900.00	14,100.00	8,260.00	3,650.00	544.00	250.00	128.00	90.40	47,200.00
1970	39.10	156.00	36.70	150.00	72.40	1,030.00	189.00	68.60	32.20	43.60	212.00	4.88	2,040.00
1971	2.78	328.00	1,330.00	1,600.00	370.00	275.00	191.00	170.00	27.00	50.70	6.61	3.49	4,360.00
1972	96.20	15.40	985.00	305.00	269.00	89.80	86.80	27.20	113.00	5.36	74.50	2.50	2,070.00
1973	1.83	298.00	623.00	583.00	2,280.00	6,320.00	4,060.00	890.00	247.00	133.00	79.10	36.40	15,600.00
1974	30.60	228.00	46.90	1,310.00	184.00	543.00	347.00	72.50	34.30	69.70	12.30	4.70	2,880.00
1975	237.00	19.70	145.00	4.84	168.00	642.00	497.00	171.00	62.70	31.80	16.40	93.30	2,090.00
1976	51.50	212.00	26.90	4.45	993.00	811.00	290.00	264.00	51.30	47.30	14.60	748.00	3,510.00
1977	69.60	64.40	153.00	472.00	114.00	239.00	23.90	347.00	18.10	8.89	229.00	3.65	1,740.00
1978	1.95	22.00	583.00	8,050.00	9,470.00	16,500.00	9,280.00	5,740.00	1,160.00	373.00	165.00	120.00	51,400.00
1979	68.60	412.00	992.00	2,620.00	6,760.00	9,040.00	6,960.00	1,760.00	326.00	349.00	180.00	47.20	29,500.00
1980	211.00	14.90	104.00	3,170.00	14,800.00	16,800.00	8,690.00	5,590.00	1,000.00	290.00	153.00	78.70	50,900.00
1981	60.20	23.70	278.00	245.00	261.00	292.00	95.80	43.90	9.20	4.32	1.98	76.00	1,390.00
1982	10.70	119.00	76.00	3,470.00	5,610.00	5,690.00	7,550.00	2,040.00	365.00	334.00	244.00	242.00	25,700.00
1983	106.00	585.00	2,220.00	2,960.00	9,380.00	18,600.00	12,600.00	10,500.00	4,780.00	1,010.00	561.00	164.00	63,500.00
1984	112.00	955.00	4,220.00	2,790.00	348.00	202.00	155.00	52.40	25.10	108.00	79.90	42.70	9,080.00
1985	80.30	123.00	822.00	392.00	840.00	672.00	318.00	111.00	52.80	135.00	15.60	134.00	3,690.00
1986	77.60	539.00	422.00	261.00	1,310.00	2,940.00	709.00	208.00	102.00	168.00	53.60	189.00	6,970.00
1987	43.50	121.00	205.00	278.00	242.00	269.00	60.80	16.90	44.50	56.70	34.00	56.30	1,430.00
1988	286.00	228.00	240.00	455.00	237.00	127.00	202.00	41.30	9.90	4.19	44.30	1.17	1,880.00
1989	0.61	159.00	337.00	447.00	2,600.00	712.00	231.00	120.00	57.40	28.70	93.20	25.40	4,810.00
1990	28.50	27.10	9.43	501.00	486.00	153.00	139.00	104.00	15.10	114.00	40.20	94.10	1,710.00
1991	2.33	96.20	26.30	167.00	251.00	9,110.00	4,880.00	1,100.00	308.00	274.00	123.00	84.50	16,400.00
1992	146.00	13.60	252.00	354.00	1,090.00	1,040.00	805.00	190.00	94.60	49.20	176.00	13.20	4,230.00
1993	311.00	55.30	467.00	17,400.00	17,100.00	11,900.00	7,730.00	2,620.00	509.00	223.00	115.00	59.40	58,400.00
1994	33.80	253.00	80.60	88.00	856.00	495.00	302.00	85.10	37.10	18.90	63.10	5.48	2,320.00
1995	111.00	72.80	90.10	6,380.00	5,720.00	16,400.00	8,390.00	5,210.00	920.00	291.00	233.00	87.20	43,900.00
1996	41.60	21.80	129.00	246.00	1,260.00	2,990.00	689.00	225.00	111.00	57.10	65.70	15.90	5,860.00
1997	27.70	473.00	1,040.00	6,830.00	4,750.00	2,760.00	470.00	217.00	104.00	103.00	27.30	356.00	17,200.00
1998	16.60	362.00	319.00	895.00	11,000.00	11,200.00	10,400.00	7,650.00	2,870.00	397.00	283.00	106.00	45,500.00
Mean	64.80	266.00	748.00	1,920.00	2,740.00	3,780.00	2,570.00	1,250.00	339.00	140.00	94.50	86.10	14,000.00
Median	40.30	121.00	246.00	455.00	858.00	694.00	342.00	190.00	62.70	69.70	60.30	59.40	3,690.00

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Measured rainfall for the HRUs for channel reach 3													
1950	417.00	775.00	1,050.00	1,550.00	1,170.00	391.00	381.00	135.00	0.00	12.00	23.90	195.00	6,100.00
1951	30.00	763.00	38.90	1,200.00	652.00	376.00	1,100.00	192.00	0.00	667.00	153.00	74.90	5,250.00
1952	429.00	402.00	4,370.00	2,080.00	354.00	2,670.00	1,100.00	0.00	21.00	409.00	6.10	26.90	11,900.00
1953	0.00	1,430.00	1,200.00	781.00	316.00	601.00	661.00	270.00	0.00	105.00	267.00	0.00	5,630.00
1954	105.00	397.00	345.00	2,510.00	964.00	2,730.00	51.00	6.10	36.10	393.00	57.00	183.00	7,780.00
1955	0.00	447.00	670.00	1,760.00	1,340.00	14.90	228.00	541.00	0.00	397.00	1,090.00	0.00	6,480.00
1956	0.00	544.00	859.00	2,390.00	367.00	0.00	742.00	171.00	0.00	105.00	0.00	0.00	5,170.00
1957	26.90	0.00	339.00	2,690.00	391.00	742.00	499.00	1,360.00	292.00	38.90	30.00	0.00	6,410.00
1958	1,210.00	772.00	925.00	976.00	1,850.00	3,540.00	2,080.00	78.20	0.00	0.00	0.00	595.00	12,000.00
1959	105.00	135.00	2.89	309.00	2,250.00	0.00	108.00	51.20	0.00	38.90	285.00	484.00	3,770.00
1960	405.00	405.00	1,530.00	961.00	1,700.00	316.00	625.00	87.00	0.00	23.90	60.10	342.00	6,460.00
1961	222.00	439.00	141.00	411.00	0.00	682.00	66.20	129.00	0.00	14.90	354.00	0.00	2,460.00
1962	180.00	532.00	886.00	961.00	2,420.00	820.00	0.00	526.00	63.00	0.00	0.00	264.00	6,650.00
1963	264.00	32.90	213.00	282.00	1,410.00	910.00	1,100.00	0.00	0.00	0.00	93.00	1,170.00	5,480.00
1964	418.00	1,510.00	81.00	1,290.00	303.00	1,530.00	1,110.00	405.00	0.00	207.00	0.00	354.00	7,220.00
1965	111.00	892.00	1,260.00	447.00	571.00	991.00	2,270.00	6.10	0.00	333.00	225.00	162.00	7,270.00
1966	30.00	4,080.00	1,810.00	481.00	802.00	312.00	90.10	6.10	0.00	87.00	23.90	171.00	7,890.00
1967	246.00	454.00	5,420.00	1,210.00	0.00	1,330.00	1,480.00	141.00	14.90	601.00	586.00	454.00	11,900.00
1968	0.00	874.00	1,140.00	496.00	234.00	802.00	892.00	307.00	0.00	742.00	32.90	0.00	5,520.00
1969	108.00	285.00	940.00	5,290.00	3,790.00	1,010.00	414.00	321.00	0.00	66.20	0.00	156.00	12,400.00
1970	57.00	727.00	129.00	685.00	411.00	2,230.00	307.00	0.00	0.00	207.00	961.00	14.90	5,730.00
1971	42.00	1,240.00	1,940.00	739.00	303.00	264.00	568.00	625.00	0.00	243.00	45.10	14.90	6,020.00
1972	478.00	117.00	2,630.00	14.90	367.00	0.00	192.00	126.00	643.00	23.90	369.00	32.90	4,990.00
1973	222.00	1,090.00	1,370.00	1,250.00	1,850.00	2,360.00	141.00	93.00	0.00	0.00	183.00	0.00	8,570.00
1974	108.00	931.00	177.00	2,520.00	93.00	1,060.00	631.00	26.90	0.00	303.00	129.00	0.00	5,980.00
1975	919.00	45.10	637.00	44.90	799.00	2,150.00	997.00	225.00	0.00	42.00	0.00	475.00	6,340.00
1976	354.00	751.00	150.00	0.00	2,320.00	940.00	553.00	547.00	2.89	198.00	0.00	2,500.00	8,310.00
1977	90.10	273.00	757.00	1,050.00	339.00	772.00	93.00	1,430.00	74.90	2.89	967.00	0.00	5,850.00
1978	54.00	132.00	1,880.00	3,660.00	2,300.00	3,160.00	976.00	204.00	0.00	252.00	0.00	255.00	12,900.00
1979	186.00	1,410.00	1,720.00	2,100.00	1,650.00	2,620.00	0.00	102.00	0.00	679.00	508.00	6.10	11,000.00
1980	712.00	54.00	465.00	4,310.00	5,240.00	1,990.00	688.00	481.00	2.89	23.90	0.00	0.00	14,000.00
1981	108.00	0.00	871.00	958.00	967.00	1,010.00	367.00	180.00	0.00	0.00	0.00	309.00	4,770.00
1982	132.00	493.00	330.00	3,500.00	1,560.00	2,510.00	637.00	57.00	0.00	688.00	676.00	892.00	11,500.00
1983	330.00	2,540.00	1,470.00	2,230.00	2,420.00	3,430.00	2,210.00	279.00	0.00	0.00	1,160.00	150.00	16,200.00
1984	198.00	2,630.00	2,380.00	0.00	12.00	63.20	363.00	18.10	42.00	646.00	427.00	288.00	7,070.00
1985	312.00	700.00	2,220.00	532.00	967.00	1,290.00	351.00	0.00	0.00	508.00	0.00	553.00	7,440.00
1986	448.00	1,890.00	544.00	625.00	1,860.00	1,880.00	96.20	0.00	0.00	520.00	171.00	673.00	8,700.00
1987	168.00	435.00	760.00	955.00	877.00	937.00	165.00	30.00	225.00	240.00	240.00	291.00	5,330.00
1988	1,320.00	838.00	937.00	1,130.00	384.00	270.00	982.00	180.00	0.00	0.00	423.00	21.00	6,490.00
1989	0.00	634.00	1,450.00	754.00	1,960.00	979.00	0.00	90.10	0.00	0.00	349.00	192.00	6,410.00
1990	222.00	138.00	120.00	1,810.00	1,020.00	249.00	454.00	297.00	78.20	529.00	216.00	439.00	5,570.00
1991	23.90	427.00	207.00	745.00	1,540.00	4,560.00	23.90	120.00	0.00	622.00	114.00	216.00	8,600.00
1992	454.00	30.00	1,030.00	961.00	2,030.00	1,750.00	183.00	57.00	0.00	72.00	682.00	0.00	7,250.00
1993	1,310.00	0.00	1,750.00	7,130.00	3,180.00	889.00	0.00	252.00	363.00	0.00	0.00	0.00	14,900.00
1994	66.20	919.00	312.00	342.00	2,180.00	991.00	793.00	44.90	0.00	6.10	358.00	0.00	6,020.00
1995	538.00	487.00	517.00	4,530.00	1,080.00	5,050.00	541.00	745.00	379.00	120.00	372.00	189.00	14,600.00
1996	0.00	12.00	523.00	1,060.00	2,730.00	1,100.00	459.00	6.10	0.00	30.00	180.00	0.00	6,100.00
1997	150.00	1,500.00	1,830.00	3,000.00	601.00	0.00	210.00	90.10	0.00	270.00	0.00	1,400.00	9,060.00
1998	74.90	1,400.00	841.00	1,710.00	4,610.00	2,190.00	823.00	1,290.00	90.10	42.00	538.00	23.90	13,600.00
Mean	273.00	755.00	1,090.00	1,560.00	1,360.00	1,360.00	588.00	252.00	47.50	214.00	252.00	277.00	8,020.00
Median	168.00	532.00	871.00	1,050.00	1,020.00	991.00	459.00	129.00	0.00	105.00	153.00	162.00	6,650.00

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Total simulated evapotranspiration in the HRUs for channel reach 3													
1950	313.00	473.00	418.00	461.00	580.00	735.00	771.00	405.00	61.60	15.60	23.50	159.00	4,420.00
1951	34.10	409.00	206.00	412.00	503.00	621.00	614.00	617.00	59.50	392.00	245.00	83.20	4,200.00
1952	177.00	357.00	482.00	480.00	535.00	703.00	1,000.00	1,260.00	423.00	350.00	69.00	30.10	5,870.00
1953	0.00	409.00	494.00	597.00	469.00	689.00	525.00	629.00	117.00	96.80	195.00	14.90	4,240.00
1954	90.20	284.00	281.00	386.00	643.00	743.00	1,020.00	777.00	216.00	321.00	81.10	145.00	4,990.00
1955	2.86	305.00	423.00	500.00	497.00	712.00	558.00	631.00	93.60	268.00	754.00	106.00	4,850.00
1956	7.66	278.00	463.00	392.00	463.00	729.00	827.00	461.00	70.90	101.00	3.27	0.00	3,790.00
1957	27.30	0.00	249.00	514.00	618.00	787.00	831.00	994.00	602.00	108.00	33.50	0.00	4,760.00
1958	604.00	550.00	524.00	443.00	590.00	781.00	1,010.00	1,350.00	456.00	73.40	4.39	354.00	6,740.00
1959	189.00	135.00	10.90	229.00	467.00	753.00	443.00	114.00	4.09	39.10	241.00	346.00	2,970.00
1960	220.00	419.00	407.00	461.00	516.00	802.00	834.00	577.00	91.50	30.20	58.90	279.00	4,690.00
1961	184.00	294.00	207.00	123.00	194.00	365.00	268.00	124.00	4.19	15.50	280.00	29.70	2,090.00
1962	128.00	222.00	473.00	488.00	568.00	720.00	974.00	692.00	234.00	19.90	0.00	161.00	4,680.00
1963	251.00	52.90	146.00	258.00	599.00	739.00	757.00	509.00	60.60	3.78	92.00	729.00	4,190.00
1964	430.00	561.00	457.00	400.00	527.00	701.00	999.00	801.00	248.00	143.00	44.90	196.00	5,510.00
1965	181.00	410.00	373.00	542.00	519.00	756.00	1,100.00	724.00	198.00	191.00	289.00	148.00	5,430.00
1966	42.90	392.00	560.00	462.00	496.00	852.00	853.00	323.00	37.50	83.70	27.50	127.00	4,260.00
1967	244.00	322.00	523.00	524.00	556.00	839.00	896.00	1,100.00	421.00	495.00	479.00	379.00	6,780.00
1968	37.00	293.00	476.00	506.00	578.00	638.00	704.00	421.00	46.30	448.00	181.00	7.36	4,340.00
1969	97.60	200.00	256.00	637.00	575.00	837.00	960.00	1,250.00	407.00	134.00	3.78	131.00	5,490.00
1970	59.80	479.00	210.00	422.00	306.00	824.00	774.00	329.00	33.00	176.00	646.00	130.00	4,390.00
1971	48.50	109.00	533.00	540.00	575.00	744.00	644.00	651.00	147.00	192.00	67.60	16.70	4,270.00
1972	316.00	169.00	415.00	466.00	616.00	507.00	239.00	146.00	524.00	53.70	160.00	167.00	3,780.00
1973	220.00	391.00	485.00	527.00	598.00	774.00	985.00	963.00	207.00	19.50	173.00	0.00	5,350.00
1974	96.10	270.00	469.00	542.00	544.00	822.00	799.00	373.00	47.60	233.00	148.00	1.53	4,350.00
1975	150.00	504.00	380.00	216.00	532.00	806.00	909.00	827.00	163.00	53.50	1.23	370.00	4,910.00
1976	234.00	166.00	483.00	132.00	559.00	764.00	923.00	698.00	113.00	153.00	33.50	988.00	5,240.00
1977	717.00	365.00	115.00	558.00	602.00	536.00	504.00	923.00	334.00	24.50	611.00	134.00	5,420.00
1978	62.70	110.00	286.00	629.00	668.00	998.00	1,010.00	1,290.00	471.00	203.00	52.80	215.00	6,000.00
1979	165.00	389.00	481.00	499.00	567.00	938.00	1,000.00	994.00	245.00	451.00	470.00	48.10	6,250.00
1980	280.00	277.00	246.00	637.00	716.00	876.00	1,130.00	1,200.00	680.00	167.00	10.40	0.00	6,220.00
1981	86.70	6.44	500.00	326.00	641.00	792.00	734.00	321.00	47.20	1.94	0.00	224.00	3,680.00
1982	131.00	98.00	318.00	569.00	599.00	859.00	1,020.00	1,050.00	300.00	473.00	526.00	496.00	6,440.00
1983	501.00	508.00	507.00	625.00	658.00	949.00	993.00	1,480.00	752.00	126.00	814.00	222.00	8,140.00
1984	206.00	436.00	554.00	548.00	565.00	683.00	509.00	157.00	48.80	447.00	423.00	238.00	4,820.00
1985	251.00	323.00	541.00	529.00	600.00	777.00	1,050.00	432.00	71.70	365.00	44.20	365.00	5,350.00
1986	427.00	365.00	568.00	597.00	662.00	974.00	961.00	425.00	70.60	340.00	208.00	245.00	5,840.00
1987	398.00	253.00	446.00	493.00	432.00	792.00	625.00	160.00	193.00	133.00	227.00	257.00	4,410.00
1988	692.00	639.00	460.00	543.00	620.00	498.00	762.00	443.00	46.20	2.15	339.00	61.40	5,100.00
1989	1.53	238.00	477.00	505.00	586.00	923.00	850.00	348.00	31.00	0.92	259.00	176.00	4,390.00
1990	186.00	98.90	119.00	523.00	563.00	816.00	617.00	278.00	191.00	401.00	200.00	327.00	4,320.00
1991	53.70	195.00	273.00	502.00	206.00	811.00	1,020.00	1,070.00	312.00	258.00	360.00	185.00	5,250.00
1992	108.00	255.00	384.00	563.00	692.00	935.00	1,100.00	497.00	62.30	76.30	505.00	32.40	5,210.00
1993	316.00	532.00	466.00	606.00	654.00	965.00	1,120.00	999.00	562.00	57.40	2.96	0.00	6,280.00
1994	66.20	403.00	429.00	231.00	584.00	898.00	975.00	558.00	89.20	12.50	291.00	14.80	4,550.00
1995	400.00	363.00	299.00	645.00	716.00	924.00	1,020.00	1,250.00	835.00	297.00	253.00	226.00	7,230.00
1996	5.72	11.70	298.00	367.00	724.00	891.00	1,110.00	463.00	56.00	32.70	120.00	24.80	4,100.00
1997	74.30	274.00	599.00	635.00	577.00	938.00	734.00	333.00	27.00	191.00	33.40	728.00	5,150.00
1998	403.00	433.00	506.00	600.00	640.00	919.00	1,050.00	1,230.00	958.00	270.00	453.00	50.00	7,520.00
Mean	202.00	307.00	393.00	477.00	561.00	784.00	839.00	687.00	234.00	174.00	215.00	191.00	5,070.00
Median	177.00	305.00	446.00	505.00	577.00	792.00	896.00	629.00	147.00	134.00	173.00	148.00	4,910.00

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Total runoff from the HRUs flowing to channel reach 3													
1950	68.70	196.00	232.00	389.00	470.00	101.00	96.10	9.17	0.00	0.00	0.00	31.70	1,590.00
1951	0.00	144.00	0.00	256.00	115.00	106.00	189.00	43.50	0.00	138.00	13.90	5.15	1,010.00
1952	87.00	66.70	1,250.00	1,630.00	137.00	1,610.00	473.00	30.30	0.00	61.00	0.00	0.00	5,350.00
1953	0.00	322.00	274.00	247.00	77.10	165.00	141.00	34.20	0.00	13.70	59.90	0.00	1,330.00
1954	5.15	68.50	82.20	717.00	366.00	1,140.00	85.50	0.00	0.00	61.90	0.00	35.90	2,570.00
1955	0.00	96.60	147.00	407.00	367.00	56.40	46.70	96.90	0.00	92.30	259.00	0.00	1,570.00
1956	0.00	118.00	211.00	667.00	137.00	6.11	149.00	34.40	0.00	6.12	0.00	0.00	1,330.00
1957	0.00	0.00	70.00	701.00	108.00	220.00	81.10	316.00	69.20	0.00	0.00	0.00	1,570.00
1958	218.00	153.00	231.00	258.00	661.00	1,630.00	1,390.00	1.33	0.00	0.00	0.00	130.00	4,670.00
1959	7.89	9.02	0.00	65.10	605.00	3.24	7.83	0.00	0.00	0.00	34.30	105.00	838.00
1960	65.60	101.00	355.00	264.00	542.00	171.00	130.00	9.93	0.00	0.00	0.97	55.70	1,700.00
1961	33.80	65.80	8.96	91.40	0.16	113.00	1.49	12.10	0.00	0.00	42.80	0.00	369.00
1962	14.30	110.00	195.00	230.00	764.00	335.00	0.92	78.80	1.87	0.00	0.00	58.90	1,790.00
1963	31.80	0.00	29.10	40.40	336.00	188.00	236.00	2.97	0.00	0.00	0.00	272.00	1,140.00
1964	83.80	364.00	5.58	317.00	35.60	413.00	298.00	89.00	0.00	42.70	0.00	72.60	1,720.00
1965	7.89	189.00	317.00	92.40	154.00	192.00	756.00	0.10	0.00	62.10	21.00	13.80	1,810.00
1966	0.00	1,430.00	881.00	296.00	542.00	78.30	2.72	0.00	0.00	0.00	0.00	16.30	3,240.00
1967	21.80	100.00	2,480.00	669.00	35.70	532.00	494.00	47.00	0.00	142.00	103.00	82.60	4,710.00
1968	0.48	165.00	296.00	99.60	31.00	165.00	229.00	71.60	0.00	138.00	0.26	0.00	1,200.00
1969	0.00	65.00	216.00	2,310.00	2,390.00	804.00	223.00	93.00	0.00	0.00	0.00	22.20	6,120.00
1970	0.00	125.00	21.80	126.00	71.70	669.00	55.30	0.98	0.00	26.60	194.00	0.10	1,290.00
1971	0.00	302.00	639.00	345.00	67.60	72.30	78.80	106.00	0.37	36.90	0.00	0.00	1,650.00
1972	84.90	12.90	728.00	26.20	101.00	0.00	38.60	3.70	95.60	0.00	68.90	1.13	1,160.00
1973	0.97	256.00	393.00	340.00	666.00	1,170.00	66.40	16.90	0.00	0.00	9.50	0.00	2,920.00
1974	9.50	195.00	24.80	762.00	2.92	302.00	199.00	0.00	0.00	49.60	2.74	0.00	1,550.00
1975	209.00	3.64	125.00	0.53	147.00	485.00	253.00	40.40	0.10	0.00	0.00	80.60	1,340.00
1976	47.80	183.00	14.50	0.00	674.00	332.00	92.00	146.00	0.00	19.80	0.16	632.00	2,140.00
1977	8.65	30.60	188.00	265.00	52.20	184.00	1.69	310.00	0.20	0.00	211.00	0.10	1,250.00
1978	0.00	19.80	483.00	1,690.00	1,230.00	1,960.00	492.00	94.50	0.00	55.50	0.00	30.10	6,060.00
1979	18.00	323.00	557.00	776.00	1,030.00	1,180.00	136.00	4.89	0.00	161.00	80.30	0.00	4,260.00
1980	186.00	0.10	88.90	1,440.00	3,610.00	1,150.00	219.00	223.00	0.00	0.00	0.00	0.00	6,910.00
1981	14.70	0.00	225.00	213.00	236.00	220.00	51.90	22.30	0.16	0.00	0.00	71.80	1,050.00
1982	9.50	108.00	68.80	1,190.00	871.00	1,140.00	412.00	0.00	0.00	129.00	128.00	166.00	4,230.00
1983	65.70	638.00	664.00	985.00	1,200.00	2,250.00	1,030.00	356.00	0.00	0.00	237.00	6.60	7,430.00
1984	22.20	755.00	986.00	64.60	0.00	2.09	49.00	0.42	0.00	91.60	70.00	37.50	2,080.00
1985	72.90	112.00	590.00	126.00	360.00	365.00	103.00	0.20	0.00	99.50	0.00	116.00	1,940.00
1986	68.20	472.00	175.00	149.00	563.00	754.00	15.10	0.00	0.00	105.00	25.00	156.00	2,480.00
1987	30.60	108.00	179.00	234.00	202.00	205.00	25.40	0.00	35.10	51.20	33.60	52.60	1,150.00
1988	255.00	171.00	196.00	334.00	123.00	58.00	152.00	19.60	0.16	0.00	41.30	0.00	1,350.00
1989	0.00	148.00	321.00	238.00	759.00	308.00	8.71	1.07	0.00	0.00	74.40	16.40	1,870.00
1990	22.40	23.00	7.57	438.00	300.00	30.90	72.50	67.40	0.16	102.00	35.10	88.20	1,190.00
1991	0.81	89.00	23.30	146.00	390.00	2,160.00	82.70	25.70	0.00	124.00	13.10	38.50	3,090.00
1992	113.00	0.16	221.00	243.00	625.00	472.00	102.00	0.00	0.00	0.00	142.00	0.00	1,920.00
1993	281.00	13.00	406.00	4,250.00	2,000.00	495.00	64.40	66.40	74.90	0.00	0.00	0.00	7,650.00
1994	0.00	202.00	57.60	72.70	607.00	264.00	148.00	3.59	0.00	0.00	50.70	0.00	1,410.00
1995	100.00	66.20	79.90	1,800.00	631.00	3,200.00	241.00	250.00	82.80	18.20	86.30	13.10	6,570.00
1996	0.00	0.00	105.00	233.00	824.00	534.00	132.00	0.31	0.00	0.00	35.10	0.00	1,860.00
1997	17.70	400.00	592.00	1,520.00	202.00	101.00	37.90	9.81	0.00	44.70	0.00	312.00	3,240.00
1998	1.85	324.00	212.00	519.00	2,420.00	1,100.00	549.00	545.00	17.20	0.00	75.20	0.00	5,750.00
Mean	46.70	180.00	319.00	577.00	568.00	596.00	203.00	67.00	7.71	38.20	43.80	55.50	2,700.00
Median	14.70	110.00	211.00	265.00	366.00	308.00	103.00	19.60	0.00	6.12	13.10	13.80	1,810.00

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Land-surface infiltration in the HRUs for channel reach 3													
1950	0.00	0.36	1.44	12.40	44.30	6.15	3.83	0.31	0.00	0.00	0.00	0.00	68.80
1951	0.00	0.46	0.00	1.39	1.44	2.82	1.38	0.20	0.00	0.10	0.00	0.00	7.79
1952	0.00	0.10	111.00	186.00	23.10	236.00	74.60	0.00	0.00	0.00	0.00	0.00	631.00
1953	0.00	2.98	10.90	16.10	3.33	8.40	1.63	0.31	0.00	0.00	0.00	0.00	43.30
1954	0.00	0.00	0.10	23.60	28.70	143.00	0.00	0.00	0.00	0.00	0.00	0.00	195.00
1955	0.00	0.00	0.20	11.00	25.30	0.00	0.61	1.33	0.00	0.00	0.82	0.00	39.40
1956	0.00	0.10	1.49	22.10	12.40	0.00	5.52	0.41	0.00	0.00	0.00	0.00	42.10
1957	0.00	0.00	0.00	31.80	6.36	16.50	2.25	8.13	0.51	0.00	0.00	0.00	65.50
1958	0.67	2.56	4.71	5.22	56.40	215.00	191.00	0.31	0.00	0.00	0.00	0.00	476.00
1959	0.00	0.00	0.00	0.00	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.30
1960	0.00	0.36	3.49	13.30	52.20	8.57	2.91	0.31	0.00	0.00	0.00	0.00	81.00
1961	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.36
1962	0.00	0.26	2.00	3.84	67.20	39.50	0.00	1.02	0.00	0.00	0.00	0.00	114.00
1963	0.00	0.00	0.00	0.00	1.64	2.30	3.43	0.00	0.00	0.00	0.00	0.56	8.19
1964	0.10	3.64	0.20	5.89	1.02	14.80	21.40	4.96	0.00	0.00	0.00	0.00	52.50
1965	0.00	0.72	2.88	3.54	3.95	6.19	64.50	0.00	0.00	0.00	0.00	0.00	82.00
1966	0.00	105.00	143.00	33.40	63.60	11.00	0.20	0.00	0.00	0.00	0.00	0.00	356.00
1967	0.00	0.10	190.00	95.20	0.00	66.80	57.70	4.40	0.00	0.10	0.10	0.10	415.00
1968	0.00	0.72	5.70	1.95	0.61	1.99	2.25	0.20	0.00	0.10	0.00	0.00	13.30
1969	0.00	0.00	0.82	250.00	336.00	91.50	34.20	11.90	0.00	0.00	0.00	0.00	724.00
1970	0.00	0.36	0.00	0.46	0.10	25.90	0.61	0.00	0.00	0.00	0.10	0.00	27.40
1971	0.00	2.68	43.40	40.60	5.33	3.23	1.12	0.61	0.00	0.00	0.00	0.00	97.10
1972	0.00	0.00	29.80	0.00	5.90	0.00	0.00	0.00	0.10	0.00	0.00	0.00	36.10
1973	0.00	1.80	14.40	23.90	82.40	160.00	2.46	0.61	0.00	0.00	0.00	0.00	286.00
1974	0.00	0.72	0.46	37.20	0.41	22.00	8.85	0.00	0.00	0.00	0.00	0.00	69.80
1975	0.98	0.00	0.31	0.00	0.56	15.60	19.80	0.41	0.00	0.00	0.00	0.00	37.70
1976	0.00	0.62	0.10	0.00	22.30	28.30	4.40	1.74	0.00	0.00	0.00	8.58	66.10
1977	0.10	0.10	0.00	8.18	0.87	1.53	0.20	2.52	0.00	0.00	0.31	0.00	14.10
1978	0.00	0.00	9.42	212.00	196.00	276.00	65.10	12.50	0.00	0.00	0.00	0.00	771.00
1979	0.00	3.60	31.80	112.00	123.00	179.00	0.00	0.72	0.00	0.10	0.10	0.00	450.00
1980	0.00	0.00	0.10	135.00	442.00	159.00	38.10	21.00	0.00	0.00	0.00	0.00	796.00
1981	0.00	0.00	0.88	0.92	3.34	6.51	1.59	0.00	0.00	0.00	0.00	0.00	13.10
1982	0.00	0.10	0.00	86.00	109.00	177.00	43.60	0.00	0.00	0.20	0.36	0.46	416.00
1983	0.00	12.20	68.40	143.00	197.00	303.00	183.00	21.60	0.00	0.00	1.03	0.00	930.00
1984	0.00	29.90	111.00	0.00	0.00	0.31	0.31	0.00	0.00	0.00	0.10	0.00	142.00
1985	0.00	0.36	26.50	11.70	31.80	29.10	3.53	0.00	0.00	0.10	0.00	0.00	103.00
1986	0.10	7.81	10.60	2.20	31.90	84.80	1.84	0.00	0.00	0.10	0.00	0.26	140.00
1987	0.10	0.00	0.56	2.67	2.92	6.76	0.82	0.00	0.00	0.00	0.00	0.00	13.70
1988	1.39	3.33	4.09	15.40	7.37	2.35	1.38	0.10	0.00	0.00	0.00	0.00	35.80
1989	0.00	0.00	2.98	13.40	65.60	25.30	0.00	0.00	0.00	0.00	0.00	0.00	107.00
1990	0.00	0.00	0.00	5.86	14.40	1.18	0.51	0.00	0.00	0.10	0.00	0.00	22.10
1991	0.00	0.00	0.00	0.46	0.82	267.00	0.00	1.95	0.00	0.00	0.00	0.00	270.00
1992	0.00	0.00	0.56	5.86	37.70	51.90	8.16	0.00	0.00	0.00	0.10	0.00	104.00
1993	2.26	0.00	8.35	525.00	283.00	74.40	0.00	2.76	0.92	0.00	0.00	0.00	897.00
1994	0.00	0.98	0.20	0.00	21.90	14.60	4.70	0.00	0.00	0.00	0.00	0.00	42.40
1995	0.10	0.10	0.10	182.00	81.20	370.00	34.90	30.40	1.74	0.00	0.00	0.00	701.00
1996	0.00	0.00	0.10	1.03	57.70	56.00	6.86	0.00	0.00	0.00	0.00	0.00	122.00
1997	0.00	3.29	47.20	207.00	32.70	0.00	2.66	0.10	0.00	0.00	0.00	0.82	293.00
1998	0.00	1.85	6.78	36.20	330.00	175.00	60.70	68.20	1.59	0.00	0.10	0.00	680.00
Mean	0.12	3.86	18.50	51.80	54.30	66.90	18.80	2.73	0.07	0.02	0.06	0.22	217.00
Median	0.00	0.10	1.16	11.40	22.10	16.10	2.36	0.20	0.00	0.00	0.00	0.00	89.60

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Measured rainfall for channel reach 3													
1950	0.01	0.25	0.32	0.09	0.81	0.04	0.09	0.02	0.00	0.00	0.00	0.00	1.63
1951	0.00	0.08	0.00	0.52	0.06	0.11	0.37	0.01	0.00	0.03	0.01	0.00	1.19
1952	0.02	0.05	8.57	2.34	0.11	3.67	0.41	0.00	0.01	0.09	0.00	0.00	15.30
1953	0.00	0.79	0.14	0.26	0.08	0.19	0.03	0.04	0.00	0.00	0.00	0.00	1.52
1954	0.00	0.01	0.00	2.33	0.45	2.51	0.01	0.00	0.00	0.04	0.01	0.01	5.37
1955	0.00	0.02	0.01	0.29	0.65	0.00	0.01	0.12	0.00	0.01	0.02	0.00	1.13
1956	0.00	0.01	0.14	4.24	0.08	0.00	0.12	0.01	0.00	0.00	0.00	0.00	4.60
1957	0.00	0.00	0.02	1.10	0.05	0.20	0.12	0.43	0.02	0.00	0.00	0.00	1.93
1958	0.09	0.12	0.38	0.65	1.47	1.40	4.06	0.02	0.00	0.00	0.00	0.05	8.25
1959	0.01	0.01	0.00	0.04	1.43	0.00	0.01	0.00	0.00	0.00	0.01	0.01	1.51
1960	0.03	0.03	0.18	0.31	0.53	0.27	0.25	0.01	0.00	0.00	0.00	0.01	1.63
1961	0.00	0.02	0.00	0.11	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.17
1962	0.00	0.08	0.29	0.40	1.26	0.23	0.00	0.14	0.01	0.00	0.00	0.01	2.41
1963	0.03	0.00	0.00	0.02	0.68	0.02	0.05	0.00	0.00	0.00	0.00	0.57	1.38
1964	0.10	0.54	0.00	0.73	0.02	1.23	0.40	0.09	0.00	0.01	0.00	0.01	3.12
1965	0.00	0.17	1.36	0.02	0.12	0.12	1.43	0.00	0.00	0.01	0.01	0.02	3.26
1966	0.00	6.76	1.02	0.12	0.74	0.08	0.02	0.00	0.00	0.01	0.00	0.01	8.75
1967	0.02	0.14	12.50	1.42	0.00	1.08	0.51	0.03	0.00	0.06	0.04	0.02	15.80
1968	0.00	0.03	0.29	0.13	0.02	0.33	0.03	0.01	0.00	0.02	0.00	0.00	0.85
1969	0.00	0.00	0.15	8.57	7.37	1.69	0.24	0.09	0.00	0.01	0.00	0.02	18.10
1970	0.00	0.05	0.01	0.12	0.02	3.49	0.03	0.00	0.00	0.01	0.08	0.00	3.80
1971	0.00	0.60	0.93	0.10	0.08	0.03	0.13	0.10	0.00	0.00	0.00	0.00	1.98
1972	0.10	0.00	1.87	0.00	0.10	0.00	0.01	0.01	0.09	0.00	0.01	0.00	2.19
1973	0.00	0.27	0.78	0.14	1.25	1.27	0.03	0.02	0.00	0.00	0.01	0.00	3.78
1974	0.01	0.19	0.02	1.70	0.01	0.35	0.06	0.00	0.00	0.02	0.01	0.00	2.36
1975	0.50	0.01	0.13	0.00	0.13	0.57	0.24	0.02	0.00	0.00	0.00	0.01	1.59
1976	0.01	0.47	0.00	0.00	1.83	0.82	0.07	0.05	0.00	0.03	0.00	2.60	5.88
1977	0.00	0.02	0.02	0.24	0.05	0.20	0.00	0.77	0.00	0.00	0.14	0.00	1.46
1978	0.00	0.00	0.96	2.57	3.44	8.59	0.56	0.07	0.00	0.04	0.00	0.03	16.30
1979	0.01	0.74	1.48	0.93	2.12	2.74	0.00	0.03	0.00	0.11	0.09	0.00	8.26
1980	0.03	0.00	0.04	4.19	20.00	4.06	0.30	0.25	0.00	0.00	0.00	0.00	28.90
1981	0.01	0.00	0.88	0.23	0.03	0.11	0.03	0.02	0.00	0.00	0.00	0.00	1.30
1982	0.00	0.18	0.04	3.60	2.32	2.48	0.52	0.01	0.00	0.16	0.31	0.52	10.10
1983	0.02	0.85	0.73	1.62	2.91	8.10	2.65	0.75	0.00	0.00	0.58	0.02	18.20
1984	0.00	1.69	2.58	0.00	0.00	0.01	0.03	0.00	0.00	0.04	0.03	0.01	4.40
1985	0.01	0.07	1.10	0.09	0.13	0.89	0.03	0.00	0.00	0.19	0.00	0.16	2.68
1986	0.01	1.05	0.17	0.04	0.37	0.85	0.02	0.00	0.00	0.16	0.01	0.26	2.93
1987	0.01	0.01	0.36	0.01	0.54	0.15	0.02	0.00	0.03	0.01	0.01	0.00	1.12
1988	0.60	0.23	0.04	0.62	0.02	0.06	0.25	0.01	0.00	0.00	0.02	0.00	1.85
1989	0.00	0.01	0.02	0.02	2.21	0.59	0.00	0.01	0.00	0.00	0.01	0.00	2.87
1990	0.01	0.00	0.00	0.63	0.67	0.02	0.04	0.01	0.00	0.10	0.02	0.01	1.51
1991	0.00	0.00	0.02	0.28	0.74	11.70	0.04	0.03	0.00	0.07	0.01	0.02	12.90
1992	0.02	0.00	0.28	0.44	0.78	0.25	0.08	0.01	0.00	0.00	0.13	0.00	2.00
1993	0.36	0.00	0.30	23.70	6.60	1.14	0.00	0.07	0.16	0.00	0.00	0.00	32.40
1994	0.00	0.52	0.01	0.01	1.01	0.19	0.14	0.00	0.00	0.00	0.07	0.00	1.96
1995	0.06	0.01	0.11	3.47	1.24	11.30	0.34	0.33	0.16	0.02	0.05	0.02	17.10
1996	0.00	0.00	0.18	0.04	2.28	0.24	0.08	0.00	0.00	0.00	0.01	0.00	2.83
1997	0.00	2.42	0.48	3.07	0.33	0.00	0.03	0.01	0.00	0.06	0.00	0.65	7.06
1998	0.00	0.29	0.29	1.37	4.64	3.20	0.87	0.99	0.02	0.01	0.14	0.00	11.80
Mean	0.04	0.38	0.80	1.49	1.46	1.56	0.30	0.09	0.01	0.03	0.04	0.10	6.31
Median	0.00	0.05	0.17	0.29	0.54	0.27	0.06	0.01	0.00	0.01	0.01	0.00	2.87

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Total simulated evaporation for channel reach 3													
1950	0.05	0.05	0.05	0.06	0.13	0.09	0.11	0.07	0.07	0.07	0.04	0.05	0.83
1951	0.01	0.06	0.01	0.04	0.04	0.04	0.09	0.07	0.02	0.23	0.04	0.02	0.67
1952	0.04	0.03	0.10	0.22	0.14	0.33	0.31	0.40	0.32	0.40	0.20	0.12	2.60
1953	0.07	0.08	0.06	0.10	0.05	0.08	0.10	0.06	0.03	0.08	0.10	0.01	0.81
1954	0.01	0.03	0.02	0.10	0.12	0.25	0.22	0.22	0.20	0.27	0.09	0.10	1.63
1955	0.03	0.04	0.04	0.08	0.09	0.07	0.08	0.09	0.05	0.13	0.28	0.02	1.00
1956	0.01	0.03	0.04	0.06	0.07	0.06	0.10	0.07	0.06	0.07	0.02	0.02	0.60
1957	0.01	0.00	0.02	0.12	0.08	0.14	0.09	0.21	0.14	0.07	0.04	0.02	0.94
1958	0.08	0.06	0.06	0.06	0.15	0.33	0.42	0.36	0.38	0.34	0.25	0.20	2.69
1959	0.07	0.03	0.02	0.03	0.12	0.06	0.07	0.05	0.06	0.05	0.10	0.08	0.73
1960	0.04	0.03	0.07	0.07	0.11	0.15	0.12	0.09	0.10	0.09	0.06	0.09	1.00
1961	0.03	0.03	0.01	0.03	0.00	0.06	0.01	0.03	0.01	0.01	0.07	0.00	0.27
1962	0.01	0.03	0.04	0.05	0.14	0.15	0.13	0.15	0.11	0.10	0.08	0.10	1.09
1963	0.04	0.01	0.01	0.01	0.08	0.08	0.13	0.03	0.02	0.02	0.01	0.16	0.60
1964	0.05	0.09	0.02	0.06	0.02	0.12	0.15	0.11	0.06	0.13	0.03	0.06	0.90
1965	0.03	0.05	0.03	0.05	0.05	0.08	0.29	0.11	0.10	0.17	0.10	0.04	1.09
1966	0.02	0.18	0.18	0.12	0.15	0.17	0.17	0.19	0.17	0.15	0.11	0.08	1.66
1967	0.04	0.03	0.27	0.16	0.12	0.24	0.22	0.19	0.19	0.32	0.26	0.12	2.17
1968	0.03	0.06	0.06	0.03	0.04	0.06	0.09	0.06	0.02	0.21	0.02	0.01	0.68
1969	0.00	0.02	0.04	0.22	0.37	0.45	0.29	0.36	0.34	0.37	0.28	0.16	2.91
1970	0.06	0.07	0.03	0.04	0.02	0.17	0.09	0.07	0.08	0.11	0.23	0.03	1.00
1971	0.01	0.04	0.10	0.11	0.08	0.09	0.10	0.14	0.07	0.13	0.04	0.02	0.92
1972	0.03	0.01	0.10	0.05	0.07	0.06	0.07	0.05	0.15	0.03	0.09	0.02	0.73
1973	0.01	0.06	0.06	0.09	0.13	0.32	0.21	0.28	0.27	0.22	0.14	0.07	1.86
1974	0.04	0.05	0.02	0.12	0.04	0.12	0.12	0.08	0.08	0.13	0.05	0.03	0.89
1975	0.05	0.02	0.03	0.01	0.05	0.17	0.15	0.12	0.08	0.08	0.05	0.11	0.89
1976	0.04	0.04	0.02	0.01	0.13	0.13	0.12	0.16	0.09	0.12	0.04	0.28	1.16
1977	0.05	0.03	0.01	0.09	0.04	0.07	0.04	0.15	0.04	0.03	0.20	0.02	0.77
1978	0.01	0.02	0.07	0.25	0.27	0.67	0.40	0.36	0.45	0.46	0.23	0.13	3.30
1979	0.07	0.07	0.09	0.14	0.19	0.32	0.25	0.33	0.34	0.39	0.21	0.10	2.49
1980	0.09	0.02	0.05	0.19	0.60	0.53	0.35	0.31	0.39	0.44	0.27	0.16	3.39
1981	0.08	0.03	0.05	0.05	0.07	0.10	0.08	0.07	0.04	0.03	0.02	0.08	0.69
1982	0.01	0.02	0.02	0.17	0.21	0.30	0.29	0.32	0.29	0.39	0.25	0.14	2.39
1983	0.06	0.08	0.15	0.16	0.25	0.63	0.49	0.60	0.43	0.51	0.48	0.22	4.07
1984	0.09	0.15	0.14	0.12	0.09	0.10	0.11	0.10	0.08	0.20	0.13	0.06	1.36
1985	0.04	0.04	0.11	0.07	0.12	0.12	0.15	0.10	0.11	0.18	0.05	0.07	1.16
1986	0.07	0.07	0.07	0.06	0.15	0.22	0.13	0.16	0.15	0.21	0.12	0.08	1.50
1987	0.04	0.04	0.03	0.04	0.04	0.10	0.05	0.03	0.09	0.09	0.07	0.11	0.73
1988	0.10	0.08	0.05	0.08	0.06	0.05	0.10	0.06	0.03	0.02	0.10	0.01	0.73
1989	0.01	0.04	0.04	0.06	0.12	0.16	0.13	0.13	0.12	0.11	0.14	0.06	1.11
1990	0.03	0.02	0.01	0.07	0.10	0.06	0.10	0.08	0.05	0.21	0.09	0.10	0.93
1991	0.02	0.03	0.01	0.04	0.02	0.41	0.26	0.28	0.28	0.26	0.24	0.13	1.98
1992	0.08	0.02	0.06	0.06	0.16	0.19	0.18	0.15	0.13	0.12	0.25	0.04	1.42
1993	0.11	0.04	0.07	0.47	0.42	0.41	0.34	0.39	0.38	0.29	0.23	0.13	3.29
1994	0.07	0.06	0.03	0.03	0.14	0.15	0.14	0.08	0.09	0.07	0.12	0.02	0.98
1995	0.06	0.03	0.03	0.27	0.25	0.69	0.29	0.33	0.37	0.36	0.32	0.15	3.16
1996	0.07	0.04	0.04	0.04	0.16	0.25	0.21	0.16	0.16	0.15	0.15	0.04	1.48
1997	0.03	0.07	0.15	0.28	0.15	0.20	0.17	0.21	0.16	0.19	0.09	0.26	1.95
1998	0.03	0.08	0.06	0.11	0.33	0.34	0.39	0.40	0.34	0.44	0.37	0.13	3.02
Mean	0.04	0.05	0.06	0.10	0.13	0.21	0.18	0.18	0.16	0.19	0.14	0.09	1.51
Median	0.04	0.04	0.04	0.07	0.12	0.15	0.13	0.14	0.11	0.15	0.10	0.08	1.09

Table 9. Flows in and out of the land surfaces [hydrologic response units (HRUs)] and the channel reach and reservoir segments (RCHRESs) in the long-term (1950–98) model when the effective impervious (EIA) and non-effective impervious (NEIA) urban areas are increased by 100 percent for the eastern part of the San Jacinto River Basin, Riverside County, California—Continued

Year end	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Annual
Streamflow out of channel reach 3													
1950	71.10	198.00	234.00	398.00	531.00	146.00	123.00	23.50	7.30	3.92	2.06	32.80	1,770.00
1951	0.61	145.00	0.88	257.00	118.00	112.00	192.00	46.40	1.26	139.00	14.50	5.44	1,030.00
1952	87.10	67.10	1,280.00	2,160.00	377.00	2,350.00	814.00	263.00	159.00	151.00	48.00	25.00	7,780.00
1953	14.00	333.00	286.00	284.00	96.60	185.00	150.00	39.70	2.73	15.10	60.60	0.39	1,470.00
1954	5.46	68.80	82.50	735.00	431.00	1,260.00	270.00	107.00	55.70	92.70	16.50	44.50	3,170.00
1955	4.79	99.10	149.00	417.00	384.00	88.80	61.60	105.00	4.29	94.60	262.00	1.57	1,670.00
1956	0.85	119.00	214.00	676.00	174.00	35.70	167.00	43.80	4.77	8.65	1.37	0.69	1,450.00
1957	0.40	0.21	70.20	724.00	154.00	271.00	108.00	334.00	79.50	5.46	2.87	1.50	1,750.00
1958	219.00	157.00	237.00	262.00	705.00	1,820.00	2,150.00	243.00	170.00	99.30	52.70	158.00	6,270.00
1959	23.20	17.10	4.50	67.70	626.00	31.10	21.80	7.81	3.87	2.06	35.40	106.00	947.00
1960	66.10	102.00	358.00	284.00	595.00	246.00	167.00	30.80	10.40	5.66	3.96	57.30	1,930.00
1961	34.70	66.30	9.22	91.60	0.39	113.00	1.65	12.20	0.06	0.02	42.90	0.04	372.00
1962	14.40	110.00	199.00	234.00	800.00	457.00	68.60	117.00	21.40	10.70	5.60	61.90	2,100.00
1963	33.60	0.92	29.60	40.60	338.00	191.00	239.00	5.19	0.95	0.48	0.25	273.00	1,150.00
1964	84.90	368.00	9.97	322.00	40.40	422.00	321.00	103.00	6.56	46.20	1.91	73.60	1,800.00
1965	8.43	191.00	320.00	101.00	162.00	198.00	814.00	35.90	18.40	72.20	26.30	16.70	1,970.00
1966	1.55	1,490.00	1,120.00	530.00	772.00	266.00	110.00	59.20	30.50	16.80	8.83	20.80	4,420.00
1967	24.50	102.00	3,440.00	905.00	227.00	726.00	670.00	166.00	59.80	175.00	120.00	92.10	6,710.00
1968	5.71	168.00	305.00	108.00	36.30	168.00	232.00	72.80	0.57	138.00	0.49	0.10	1,240.00
1969	0.12	65.10	216.00	2,680.00	3,840.00	2,100.00	727.00	339.00	172.00	101.00	53.70	50.30	10,300.00
1970	15.80	134.00	26.70	130.00	72.70	718.00	80.20	14.70	6.95	30.30	196.00	1.32	1,430.00
1971	0.65	303.00	685.00	469.00	135.00	117.00	103.00	119.00	7.14	40.50	1.91	0.99	1,980.00
1972	85.60	13.40	744.00	76.20	131.00	17.80	47.80	8.67	98.20	1.41	69.60	1.57	1,300.00
1973	1.19	259.00	419.00	374.00	754.00	1,380.00	267.00	148.00	67.00	37.10	29.20	10.30	3,750.00
1974	15.30	198.00	28.50	810.00	34.40	341.00	224.00	13.00	6.56	53.20	4.57	0.96	1,730.00
1975	210.00	6.15	127.00	1.27	148.00	499.00	286.00	60.60	10.30	5.57	2.94	82.00	1,440.00
1976	48.40	184.00	16.30	0.87	711.00	404.00	130.00	168.00	11.00	25.80	3.31	643.00	2,350.00
1977	19.60	36.10	188.00	285.00	61.00	191.00	5.05	315.00	3.46	1.63	212.00	0.92	1,320.00
1978	0.42	20.00	487.00	1,930.00	1,750.00	3,500.00	1,114.00	370.00	190.00	175.00	63.70	63.50	9,670.00
1979	36.70	336.00	600.00	903.00	1,250.00	1,500.00	416.00	188.00	102.00	218.00	111.00	15.80	5,680.00
1980	195.00	4.75	91.50	1,510.00	6,060.00	2,780.00	756.00	501.00	190.00	119.00	63.60	33.10	12,300.00
1981	33.20	9.72	233.00	217.00	244.00	230.00	58.50	25.70	1.75	0.87	0.44	72.00	1,130.00
1982	9.65	108.00	69.10	1,270.00	1,090.00	1,420.00	746.00	197.00	116.00	194.00	163.00	185.00	5,570.00
1983	77.10	642.00	759.00	1,120.00	1,520.00	3,560.00	1,950.00	1,090.00	245.00	187.00	348.00	64.50	11,600.00
1984	54.50	797.00	1,100.00	239.00	88.50	53.70	76.00	15.10	7.51	95.60	72.20	38.80	2,630.00
1985	73.60	112.00	610.00	167.00	422.00	417.00	144.00	21.30	10.70	106.00	3.22	118.00	2,200.00
1986	69.40	476.00	205.00	165.00	590.00	856.00	88.10	40.20	20.60	116.00	31.00	159.00	2,820.00
1987	32.90	109.00	181.00	238.00	204.00	212.00	30.10	2.44	36.30	51.80	33.60	52.80	1,180.00
1988	256.00	177.00	200.00	345.00	136.00	65.50	157.00	22.30	1.55	0.69	41.70	0.28	1,400.00
1989	0.13	148.00	323.00	263.00	858.00	388.00	57.50	27.30	13.40	7.28	78.20	18.50	2,180.00
1990	23.60	23.70	7.96	442.00	321.00	49.90	82.40	72.90	2.94	104.00	36.00	88.70	1,260.00
1991	1.10	89.30	23.70	147.00	385.00	2,460.00	347.00	208.00	102.00	178.00	45.30	54.20	4,040.00
1992	122.00	4.79	224.00	255.00	665.00	533.00	171.00	35.40	18.20	9.98	147.00	2.84	2,190.00
1993	283.00	18.80	411.00	6,510.00	3,750.00	1,580.00	559.00	304.00	241.00	95.60	50.80	26.50	13,800.00
1994	14.80	211.00	63.40	75.90	632.00	301.00	174.00	18.20	7.15	3.89	52.80	1.10	1,560.00
1995	101.00	66.60	80.40	1,961.00	873.00	5,860.00	694.00	510.00	264.00	128.00	144.00	43.40	10,700.00
1996	17.00	8.87	110.00	235.00	853.00	683.00	222.00	50.50	25.80	14.10	42.50	3.92	2,270.00
1997	20.00	406.00	645.00	1,750.00	411.00	294.00	148.00	70.00	31.20	61.90	9.08	317.00	4,170.00
1998	5.68	327.00	224.00	560.00	2,850.00	1,640.00	1,160.00	845.00	217.00	132.00	146.00	36.80	8,150.00
Mean	51.50	186.00	356.00	688.00	763.00	882.00	361.00	156.00	58.40	68.80	60.50	64.50	3,700.00
Median	23.20	110.00	214.00	285.00	411.00	388.00	171.00	70.00	18.20	51.80	41.70	33.10	2,100.00