

Appendix F - Hydrologic Concentration Points for FEMA Reaches

| Reach Name | River Station | 2-year | 5-year | 10-year | 25-year | 50-year | 100-year | 200-year | 500-year |
|--|---------------|--------|--------|---------|---------|---------|----------|----------|----------|
| Acton Canyon (FEMA Reach) | 79+82 | 10 | 40 | 80 | 160 | 240 | 360 | 520 | 800 |
| | 36+69 | 60 | 200 | 370 | 730 | 1,130 | 1,670 | 2,390 | 3,700 |
| | 0 | 140 | 480 | 900 | 1,770 | 2,750 | 4,080 | 5,850 | 9,050 |
| Agua Dulce Canyon (FEMA Reach) | 215+29 | 40 | 130 | 250 | 500 | 780 | 1,150 | 1,650 | 2,550 |
| | 137+39 | 50 | 160 | 300 | 580 | 900 | 1,340 | 1,920 | 2,970 |
| | 67+48 | 60 | 210 | 400 | 780 | 1,220 | 1,800 | 2,580 | 3,990 |
| | 8+35 | 60 | 210 | 400 | 780 | 1,220 | 1,800 | 2,580 | 3,990 |
| | 0 | 100 | 340 | 650 | 1,270 | 1,970 | 2,920 | 4,190 | 6,480 |
| Bouquet Canyon (FEMA Reach) | 390+67 | 150 | 490 | 920 | 1,820 | 2,820 | 4,180 | 5,990 | 9,270 |
| | 312+91 | 270 | 900 | 1,700 | 3,340 | 5,180 | 7,680 | 11,010 | 17,030 |
| | 268+91 | 280 | 940 | 1,770 | 3,480 | 5,400 | 8,000 | 11,470 | 17,740 |
| | 213+34 | 290 | 970 | 1,820 | 3,590 | 5,570 | 8,250 | 11,830 | 18,300 |
| | 177+04 | 300 | 1,000 | 1,880 | 3,700 | 5,740 | 8,510 | 12,200 | 18,880 |
| | 126+85 | 330 | 1,090 | 2,060 | 4,060 | 6,300 | 9,340 | 13,390 | 20,720 |
| | 28+08 | 440 | 1,460 | 2,750 | 5,410 | 8,400 | 12,440 | 17,840 | 27,590 |
| | 0 | 550 | 1,840 | 3,470 | 6,830 | 10,600 | 15,700 | 22,510 | 34,820 |
| Escondido Creek (FEMA Reach) | 62+48 | 70 | 240 | 450 | 890 | 1,380 | 2,050 | 2,940 | 4,550 |
| | 0 | 80 | 280 | 530 | 1,040 | 1,610 | 2,390 | 3,430 | 5,300 |
| Haskell Canyon (FEMA Reach) | 70+29 | 110 | 360 | 680 | 1,330 | 2,070 | 3,060 | 4,390 | 6,790 |
| | 0 | 120 | 390 | 730 | 1,440 | 2,240 | 3,320 | 4,760 | 7,360 |
| Newhall Creek - Main (FEMA Reach) | 138+19 | 30 | 110 | 210 | 420 | 650 | 970 | 1,390 | 2,150 |
| | 60+89 | 40 | 150 | 270 | 540 | 840 | 1,240 | 1,780 | 2,750 |
| | 0 | 90 | 290 | 550 | 1,080 | 1,670 | 2,480 | 3,560 | 5,500 |
| Newhall Creek Railroad Canyon - Main (FEMA Reach) | 18+54 | 20 | 200 | 540 | 670 | 870 | 1,010 | 1,200 | 1,330 |
| | 0 | 10 | 20 | 87 | 95 | 140 | 162 | 180 | 214 |
| San Francisquito Canyon (FEMA Reach) | 227+85 | 480 | 1,600 | 3,020 | 5,940 | 9,210 | 13,650 | 19,570 | 30,280 |
| | 0 | 490 | 1,620 | 3,060 | 6,030 | 9,360 | 13,860 | 19,880 | 30,740 |
| Santa Clara River (SCR) Upstream of USACE SCR Reach (FEMA Reach) | 4,060+75 | 160 | 550 | 1,030 | 2,040 | 3,160 | 4,680 | 6,710 | 10,380 |
| | 3,958+61 | 280 | 950 | 1,790 | 3,510 | 5,450 | 8,080 | 11,590 | 17,920 |
| | 3,876+18 | 420 | 1,400 | 2,650 | 5,220 | 8,090 | 11,990 | 17,190 | 26,590 |
| | 0 | 440 | 1,480 | 2,800 | 5,510 | 8,550 | 12,660 | 18,150 | 28,080 |

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| Reach Name | River Station | 2-year | 5-year | 10-year | 25-year | 50-year | 100-year | 200-year | 500-year |
|--|---------------|--------|--------|---------|---------|---------|----------|----------|----------|
| Santa Clara River (SCR) Downstream of USACE SCR Reach (FEMA Reach) | 3262+55 | 750 | 2,500 | 4,720 | 9,280 | 14,400 | 21,340 | 30,600 | 47,330 |
| | 3075+98 | 800 | 2,670 | 5,050 | 9,940 | 15,420 | 22,840 | 32,750 | 50,660 |
| | 3049+73 | 840 | 2,800 | 5,300 | 10,430 | 16,180 | 23,970 | 34,370 | 53,170 |
| | 2943+13 | 900 | 3,020 | 5,710 | 11,240 | 17,440 | 25,830 | 37,040 | 57,290 |
| | 2870+26 | 1,040 | 3,470 | 6,550 | 12,880 | 19,990 | 29,620 | 42,480 | 65,700 |
| | 2773+64 | 980 | 3,290 | 6,220 | 12,240 | 18,990 | 28,140 | 40,350 | 62,410 |
| | 2618+90 | 950 | 3,180 | 6,000 | 11,810 | 18,330 | 27,160 | 38,950 | 60,240 |
| | 2578+23 | 1,280 | 4,280 | 8,090 | 15,930 | 24,720 | 36,620 | 52,510 | 81,220 |
| | 2537+63 | 1,560 | 5,230 | 9,870 | 19,440 | 30,160 | 44,680 | 64,070 | 99,100 |
| | 2279+81 | 1,880 | 6,300 | 11,890 | 23,410 | 36,320 | 53,810 | 77,160 | 119,350 |
| | 2203+07 | 2,250 | 7,520 | 14,210 | 27,960 | 43,390 | 64,280 | 92,180 | 142,570 |
| | 2156+74 | 2,260 | 7,550 | 14,260 | 28,070 | 43,560 | 64,540 | 92,550 | 143,150 |
| | 2116+67 | 2,280 | 7,630 | 14,420 | 28,380 | 44,040 | 65,250 | 93,570 | 144,720 |
| | 0 | 2,320 | 7,750 | 14,640 | 28,820 | 44,730 | 66,260 | 95,020 | 146,960 |
| South Fork Santa Clara River (FEMA Reach) | 167+10 | 190 | 630 | 1,190 | 2,350 | 3,650 | 5,400 | 7,740 | 11,980 |
| | 138+07 | 290 | 990 | 1,860 | 3,660 | 5,680 | 8,420 | 12,070 | 18,680 |
| | 59+27 | 370 | 1,240 | 2,340 | 4,620 | 7,160 | 10,610 | 15,210 | 23,530 |
| | 0 | 380 | 1,270 | 2,400 | 4,720 | 7,320 | 10,840 | 15,540 | 24,040 |
| Basolo Ditch (FEMA Reach) | 0 | 70 | 234 | 390 | 787 | 1,140 | 1,625 | 2,186 | 3,235 |
| El Rio Drain (FEMA Reach) | 0 | 174 | 347 | 487 | 693 | 863 | 1,050 | 1,251 | 1,577 |
| Grimes Canyon (FEMA Reach) | 0 | 194 | 644 | 1,070 | 2,163 | 3,130 | 4,470 | 6,012 | 8,900 |
| Hopper Canyon (FEMA Reach) | 108+79 | 749 | 2,491 | 5,041 | 8,373 | 13,542 | 19,112 | 23,269 | 37,720 |
| | 71+06 | 840 | 2,794 | 5,060 | 9,390 | 13,600 | 19,200 | 26,093 | 37,900 |
| | 0 | 844 | 2,808 | 5,098 | 9,438 | 13,715 | 19,376 | 26,228 | 38,259 |
| Orcutt Canyon (FEMA Reach) | 0 | 229 | 763 | 1,820 | 2,565 | 4,110 | 5,300 | 7,129 | 8,800 |
| Patterson Drain (FEMA Reach) | 0 | 241 | 479 | 722 | 957 | 1,229 | 1,450 | 1,727 | 2,210 |
| Pole Creek (FEMA Reach) | 0 | 320 | 1,064 | 1,760 | 3,577 | 5,170 | 7,390 | 9,940 | 14,700 |
| Sespe Creek (FEMA Reach) | 271+47 | 5,845 | 19,440 | 35,370 | 65,340 | 95,985 | 135,000 | 181,575 | 227,000 |
| | 155+76 | 5,888 | 19,584 | 35,632 | 65,824 | 96,696 | 135,789 | 182,920 | 228,278 |
| | 135+36 | 1,394 | 4,637 | 8,436 | 15,585 | 22,894 | 31,086 | 43,309 | 53,278 |
| | 133+24 | 870 | 2,894 | 5,266 | 9,728 | 14,291 | 22,000 | 27,035 | 53,278 |
| | 132+59 | 1,394 | 4,637 | 8,436 | 15,585 | 22,894 | 33,500 | 43,309 | 96,278 |
| | 132+39 | 1,394 | 4,637 | 8,436 | 15,585 | 22,894 | 33,500 | 43,309 | 106,278 |
| | 122+86 | 1,394 | 4,637 | 8,436 | 15,585 | 22,894 | 33,500 | 43,309 | 109,278 |
| | 90+03 | 1,108 | 3,686 | 6,707 | 12,390 | 18,202 | 24,746 | 34,432 | 62,588 |
| | 82+06 | 2,758 | 9,173 | 16,689 | 30,831 | 45,291 | 55,789 | 85,677 | 123,278 |
| | 48+73 | 3,632 | 12,082 | 21,982 | 40,608 | 59,653 | 79,000 | 112,846 | 143,278 |
| 0 | 6,018 | 20,016 | 36,418 | 67,276 | 98,829 | 136,812 | 186,955 | 229,936 | |