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FLOOD HAZARD ANALYSES

SAND CREEK

CITY OF COLORADO SPRINGS AND EL PASO COUNTY COLORADO

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Appendix II

Elevation-Peak Discharge Relationship Tables

Prepared by the

Soil Conservation Service
U. S. Department of Agriculture

in cooperation with the

Colorado Water Conservation Board
City of Colorado Springs
El Paso County
December 1973

APPENDIX II

Elevation-Peak Discharge Relationship Tables

FLOOD HAZARD ANALYSES

SAND CREEK

City of Colorado Springs and El Paso County, Colorado

APPENDIX II

A limited number of copies of this appendix has been produced for planners, engineers, developers, and others concerned with the development of Sand Creek. It contains *Elevation-Peak Discharge Relationship* Tables for the 500-, 100-, 50-, 25-, and 10-year frequency flood events which were analyzed for Sand Creek, East Fork of Sand Creek and the Center Tributary. Because of its detailed or technical nature, this appendix is not attached to copies of the main report for general distribution.

Elevation-Peak Discharge Relationships are based on flood routings using runoff computations for (1) existing land use and cover conditions in the watershed for March 1972, and (2) computations reflecting the runoff conditions with projected developments expected by the year 1990. Any channel modifications and/or physical changes within the adjacent flood plain will alter the elevation-peak discharge relationship. The water surface profiles will need to be revised in those particular areas where this occurs subsequent to March 1972.

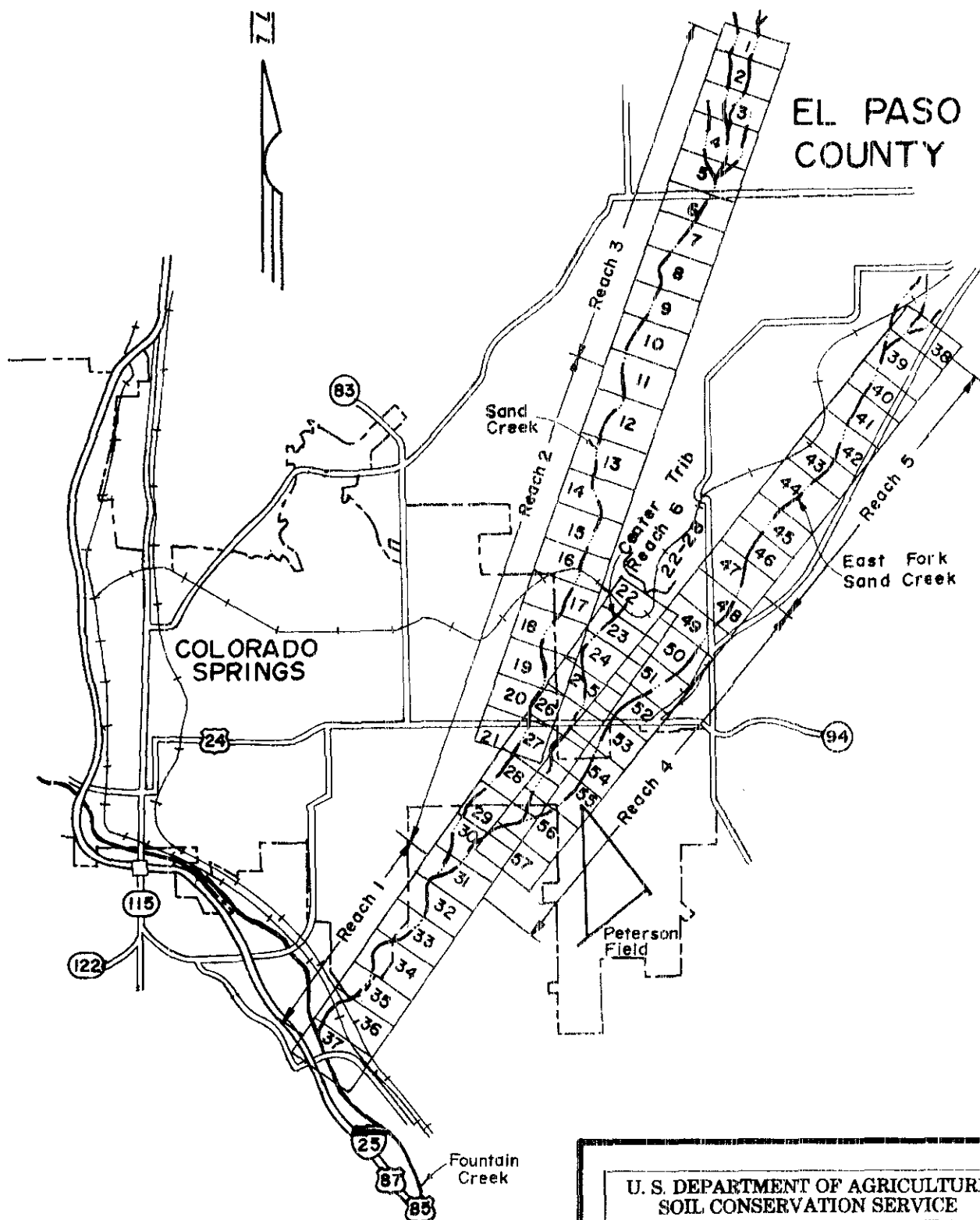
The tabulated information is intended for use in conjunction with the water surface profiles (Main Report) and flood hazard maps (Appendix I). As a general guide for orientation purposes, the following designations are assigned to stream names, reach numbers, and cross-section identification:

<u>Stream Name</u>	<u>Reach Number</u>	<u>Cross-Section Identification</u>
Sand Creek	1	M-150 thru M-039
Sand Creek	2	M-039, W-390 thru W-160
Sand Creek	3	W-160 thru W-010
East Fork	4	M-039, E-340 thru E-150
East Fork	5	E-150 thru E-010
Center Tributary	6	C-121 thru C-010

The mosaic sheet index for flood hazard maps with stream and reach locations is shown on the following page. A similar index with more detailed geographic data is included in Appendix I.

Elevation-Peak Discharge Relationship Tables for the 500-, 100-, 50-, 25-, and 10-year frequency floods are numbered respectively 1 thru 5.

The survey, hydrologic, hydraulic, and other pertinent data and computations are on file with the Soil Conservation Service, U. S. Department of Agriculture, 2490 West 26th Avenue, Denver, Colorado 80211.



APPROXIMATE
SCALE: 1/2" = 1 MILE

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

MOSAIC SHEET INDEX
SAND CREEK
COLORADO SPRINGS AND
EL PASO COUNTY, COLORADO

ELEVATION-PEAK DISCHARGE RELATIONSHIP

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TABLE 1 500-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Peach 1

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed	500-Year	Peak	500-Year	Peak
			Elevation ft. M.S.L.	Elevation ft. M.S.L.	Discharge c.f.s.	Elevation ft. M.S.L.	Discharge c.f.s.
	0+00	Mouth at Fountain Creek	5780.0				
M-150	3+00		5783.0	5792.9	15300	5793.3	17700
M-140	11+80		5794.0	5805.2	15300	5805.9	17700
M-131	23+20		5809.5	5814.9	15300	5815.4	17700
M-130	26+30	D&RG Railroad	5820.8	5828.0	15300	5828.1	17700
M-129	29+90		5819.8	5830.6	15300	5830.9	17700
M-120	37+50	AT&SF Railroad	5830.5	5839.2	15300	5839.5	17700
M-119	38+40		5831.7	5839.8	15400	5840.2	17700
M-110	49+80		5840.0	5846.9	15800	5847.2	17900
M-101	65+80		5856.1	5864.4	15800	5864.7	17900
M-100	69+00	Hancock Expressway	5868.4	5878.4	15800	5878.6	17900
M-099	71+30		5870.7	5878.8	15800	5879.0	18000
M-090	81+30		5881.5	5887.2	15800	5887.5	18000
M-080	95+30		5902.0	5908.5	15800	5908.8	18000
M-076	102+50		5916.0	5921.1	15800	5921.4	18000
M-075	104+10	Academy Boulevard	5918.4	5927.2	15800	5927.4	18000

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972 ^{3/} Year 1990 level of development.

TABLE 1 500-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 1 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			Stream Bed Elevation ft. M.S.L.	500-Year Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	500-Year Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
M-074	107+70		5923.0	5928.4	15800	5928.7	18000
M-060	129+50		5946.5	5954.3	15800	5954.7	18000
M-050	145+30		5974.0	5977.7	15800	5977.9	17900
M-041	159+50		5985.9	5994.4	15800	5994.6	17900
M-040	160+90	Fountain Boulevard	5992.2	6006.2	15800	6006.6	17900
M-039	162+00		5996.5	6006.3	15800	6006.5	17900

----- Reach 2 -----

W-390	175+90		6023.0	6026.6	9100	6026.9	11100
W-380	187+90		6040.0	6042.9	9100	6043.2	11200
W-370	206+90		6064.0	6067.6	9100	6068.0	11400
W-359	216+20		6078.3	6081.8	9200	6082.0	11400
W-350	235+10		6104.0	6108.5	9200	6108.8	11400
W-340	248+00		6120.0	6123.8	9200	6124.4	11400
W-330	267+00		6152.0	6155.8	7800	6156.2	10500
W-321	279+00		6173.0	6179.9	6700	6180.4	9600
W-320	280+50	U.S. Highway 24	6176.5	6181.7	6700	6182.0	8700

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 1 500-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 2 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			Stream Bed Elevation ft. M.S.L.	500-Year Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	500-Year Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
W-320A	282+30		6178.0	6182.6	6700	6182.9	7800
W-319	290+70		6191.1	6195.7	6700	6196.0	7800
W-310	294+70		6198.0	6202.3	6800	6202.5	7800
W-301	303+90		6214.6	6218.9	6800	6219.2	7800
W-300B	309+90		6221.0	6224.9	6800	6225.2	7800
W-300	310+90	Galley Road	6229.2	6239.4	6800	6240.0	7800
W-300A	312+40		6232.0	6239.6	6800	6239.8	7800
W-299	318+80		6238.0	6245.3	6800	6245.7	7800
W-290	330+40		6262.0	6268.3	6800	6268.7	7900
W-280	349+00		6294.0	6298.3	6800	6298.7	7900
W-272B	353+00		6298.0	6302.7	6800	6302.9	7900
W-272	354+50	Palmer Park Boulevard	6299.2	6309.0	6800	6309.7	7900
W-271	356+70		6307.7	6311.1	6800	6311.3	7900
W-270	365+90		6322.0	6324.4	6900	6324.7	7900
W-261	378+60		6346.0	6347.8	6900	6348.0	7900
W-250	386+60		6359.0	6360.7	6900	6360.9	7900

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 1 500-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 2 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			: 500-Year :			: 500-Year :	
			: Stream Bed : : Elevation : : ft. M.S.L. :	: Flood : : Elevation : : ft. M.S.L. :	: Peak : : Discharge : : c.f.s. :	: Flood : : Elevation : : ft. M.S.L. :	: Peak : : Discharge : : c.f.s. :
W-239	409+70		6391.7	6394.0	6900	6394.1	8000
W-230	427+10		6413.0	6415.8	6900	6416.0	7900
W-220	440+30		6429.0	6431.8	6800	6431.9	7900
W-210	454+30		6444.0	6447.2	6800	6447.5	7900
W-200	467+90		6461.5	6466.0	6800	6466.3	7900
W-190	492+90		6492.0	6495.5	6800	6495.7	7900
W-180	507+70		6509.0	6513.5	6800	6513.6	7900
W-170	527+80		6535.5	6541.6	6800	6542.1	7900
W-160	549+00		6569.0	6576.1	6800	6576.6	7900

----- Reach 3 -----

W-160	549+00		6569.0	6576.1	6800	6576.6	7900
W-150	559+40		6582.0	6589.2	6600	6589.7	7600
W-140	582+80		6620.0	6627.8	6700	6627.7	6600
W-130	599+80		6647.0	6652.0	5700	6652.5	6600
W-120	620+20		6676.5	6681.0	5100	6681.3	5900
W-110	636+20		6702.5	6707.3	4500	6707.6	5200

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 1 500-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 3 (Contd)

Cross-Section Number	: Feet	: Identification	Existing Conditions 2/			Projected Conditions 3/	
			: 500-Year :			: 500-Year :	
			: Stream Bed	: Flood	: Peak	: Flood	: Peak
			: Elevation	: Elevation	: Discharge	: Elevation	: Discharge
			: ft. M.S.L.	: ft. M.S.L.	: c.f.s.	: ft. M.S.L.	: c.f.s.
W-100	649+80		6720.5	6724.0	4000	6724.2	4500
W-090	675+40		6757.0	6762.1	3900	6762.4	4500
W-080	697+00		6785.0	6790.1	3900	6790.4	4500
W-070	716+00		6808.5	6815.3	3900	6815.6	4500
W-060	738+40		6849.5	6854.0	3900	6854.2	4400
W-051	754+60		6873.3	6877.7	3900	6877.9	4300
W-050	755+80	Highway 110	6874.8	6880.1	3800	6880.0	4300
W-049	757+20		6876.9	6881.0	3800	6881.2	4300
W-040	780+00		6909.0	6913.6	3800	6913.8	4200
W-030	810+40		6954.5	6959.5	3800	6959.7	4200
W-020	857+40		7035.5	7036.9	3700	7037.1	4200
W-010	874+40		7051.5	7056.8	3700	7057.2	4200

----- East Fork, Sand Creek, Reach 4 -----

M-039	0+00	Confluence with Sand Creek	5996.5	6006.3	15800	6006.5	17900
E-340	16+00		6018.0	6021.3	8200	6021.6	9700
E-330	28+70		6032.0	6035.3	8200	6035.5	9700

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 1 500-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 4 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed	500-Year	Peak	500-Year	Peak
			Elevation :ft. M.S.L.	Elevation :ft. M.S.L.	Discharge :c.f.s.	Elevation :ft. M.S.L.	Discharge :c.f.s.
E-320	44+80		6055.0	6058.9	8200	6059.2	9700
E-310	61+50		6081.0	6086.0	8200	6086.1	9700
E-300	73+00		6101.0	6104.2	8200	6104.6	9800
E-290	90+90		6128.0	6130.4	8000	6130.5	9500
E-280	107+00		6152.0	6160.0	8100	6160.3	9500
E-270	118+70		6173.0	6176.0	8100	6176.3	9600
E-262	127+40		6184.5	6191.2	8100	6191.6	9600
E-261	129+30	Aviation Way	6190.2	6201.0	8100	6201.5	9600
E-260	132+20		6193.0	6203.4	8100	6204.2	9600
E-250	148+00		6219.0	6221.3	8100	6221.5	9600
E-240	162+00		6237.0	6239.4	8100	6239.6	9600
E-231	168+40		6246.6	6250.7	8100	6251.1	9600
E-230	172+90	U.S. Highway 24	6251.1	6258.8	8100	6259.3	9600
E-230A	175+00		6254.8	6259.6	8100	6260.0	9600
E-229	181+80		6263.5	6268.1	8100	6268.6	9600
E-220	190+80		6276.0	6278.4	8100	6278.6	9600

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 1 500-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 4 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			: 500-Year :			: 500-Year :	
			Stream Bed : Elevation : ft. M.S.L.	Flood : Elevation : ft. M.S.L.	Peak : Discharge : c.f.s.	Flood : Elevation : ft. M.S.L.	Peak : Discharge : c.f.s.
E-213	194+00		6278.7	6281.9	8100	6282.2	9700
E-212	198+60	Peterson Road	6284.0	6293.0	8100	6293.2	9700
E-211	200+50		6287.3	6294.0	8100	6294.4	9700
E-210	212+60		6294.0	6299.1	8100	6299.6	9700
E-200	229+00		6319.0	6322.8	8100	6322.8	9700
E-190	243+70		6338.0	6343.6	8100	6343.6	9700
E-180	263+60		6362.5	6366.4	8100	6366.6	9700
E-176	274+90		6374.3	6379.5	8000	6379.8	9600
E-175	276+10	Marksheffel Road	6378.3	6382.2	8000	6382.6	9600
E-174	277+60		6380.0	6383.5	8000	6383.8	9500
E-170	287+40		6393.0	6395.7	7900	6395.9	9500
E-160	303+10		6409.0	6413.0	7900	6413.4	9500
E-150	317+10		6421.0	6424.6	7900	6424.9	9600
----- Reach 5 -----							
E-150	317+10		6421.0	6424.6	7900	6424.9	9600
E-140	341+90		6449.0	6453.8	5900	6453.9	7100

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 1 500-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 5 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed	500-Year	Peak	500-Year	Peak
			Elevation :ft. M.S.L.	Elevation :ft. M.S.L.	Discharge :c.f.s.	Elevation :ft. M.S.L.	Discharge :c.f.s.
E-130	359+40		6467.0	6471.6	6100	6472.0	7300
E-120	378+80		6488.0	6494.6	6200	6494.9	7400
E-110	393+80		6501.0	6506.9	6200	6507.2	7400
E-100	412+20		6525.0	6532.2	6200	6532.8	7400
E-090	433+40		6550.0	6558.6	6400	6559.1	7600
E-080	448+40		6565.0	6570.7	6400	6571.1	7700
E-070	468+30		6590.0	6593.4	6500	6593.7	7800
E-060	490+50		6617.0	6623.4	6600	6623.7	7900
E-050	504+10		6627.0	6632.9	3900	6634.7	6600
E-040	516+90		6648.0	6653.9	3800	6654.6	5300
E-030	535+90		6677.0	6679.7	3600	6679.8	4000
E-020	556+30		6696.0	6699.3	2000	6699.4	2200
E-010	570+60		6712.0	6718.1	1900	6718.3	2100
-----Center Tributary, Sand Creek, Reach 6-----							
C-121	0+00	Airport Road	6101.0	6108.0	1300	6108.4	1800
C-120	8+40		6111.0	6113.5	1300	6113.9	1800

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 1 500-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Center Tributary, Sand Creek, Reach 6 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			: 500-Year :			: 500-Year :	
			: Stream Bed : : Elevation :	: Flood : : Elevation :	: Peak : : Discharge :	: Flood : : Elevation :	: Peak : : Discharge :
			ft. M.S.L.	ft. M.S.L.	c.f.s.	ft. M.S.L.	c.f.s.
C-110	25+60		6129.0	6131.8	1300	6131.9	1900
C-100	44+20	Pikes Peak Avenue	6148.9	6150.2	1300	6150.5	1900
C-090	53+00		6159.0	6161.1	1300	6161.6	2000
C-080	60+40	Intersection Powers Blvd. and Bijou Street	6170.3	6172.2	1300	6172.6	2000
C-070	69+80		6181.0	6185.3	1300	6185.8	2000
C-061	78+60		6191.0	6195.2	1000	6196.3	1900
C-060	82+00	U.S. Highway 24	6193.9	6207.8	1000	6208.0	1800
C-059	84+40		6202.2	6208.0	1000	6208.3	1700
C-053	89+00		6212.0	6214.5	1200	6214.9	1700
C-052	90+00	Terminal Street	6211.0	6215.0	1200	6215.4	1800
C-051	91+50		6212.5	6216.8	1200	6217.0	1800
C-050	96+80		6217.0	6223.0	1300	6223.5	1900
C-041	107+80		6234.9	6241.4	1100	6242.5	1800
C-040	109+40	Galley Road	6238.2	6244.4	1100	6244.9	1700
C-039	110+00		6239.2	6244.5	1100	6244.8	1600

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972 ^{3/} Year 1990 level of development.

TABLE 1 500-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}
Center Tributary, Sand Creek, Reach 6 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed	500-Year Flood	Peak	500-Year Flood	Peak
			Elevation :ft. M.S.L.	Elevation :ft. M.S.L.	Discharge : c.f.s.	Elevation :ft. M.S.L.	Discharge : c.f.s.
C-030	122+60		6258.0	6261.7	1000	6262.0	1300
C-022	133+80		6293.0	6294.2	300	6295.5	1000
C-021	136+00	Omaha Boulevard	6297.0	6303.9	300	6304.4	700
C-020	136+70		6297.0	6303.9	300	6304.1	400
C-015	139+70		6325.0	6326.2	400	6326.3	500
C-010	166+90		6369.0	6371.0	500	6371.1	500

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 2 100-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}
Sand Creek, Reach 1

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
	0+00	Mouth at Fountain Creek	5780.0				
M-150	3+00		5783.0	5791.2	9600	5792.0	11700
M-140	11+80		5794.0	5803.1	9600	5803.9	11700
M-131	23+20		5809.5	5814.1	9600	5814.4	11700
M-130	26+30	D&RG Railroad	5820.8	5827.4	9600	5827.8	11700
M-129	29+90		5819.8	5829.2	9600	5829.8	11700
M-120	37+50	AT&SF Railroad	5830.5	5838.1	9600	5838.6	11700
M-119	38+40		5831.7	5838.7	9600	5839.1	11700
M-110	49+80		5840.0	5845.8	10200	5846.1	12000
M-101	65+80		5856.1	5862.8	10200	5863.3	12000
M-100	69+00	Hancock Expressway	5868.4	5877.5	10200	5877.8	12000
M-099	71+30		5870.7	5877.9	10200	5878.3	12000
M-090	81+30		5881.5	5886.2	10200	5886.6	12000
M-080	95+30		5902.0	5906.5	10200	5907.3	12000
M-076	102+50		5916.0	5919.9	10200	5920.3	12000
M-075	104+10	Academy Boulevard	5918.4	5926.4	10200	5926.6	12000

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 2 100-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 1 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			: 100-Year :			: 100-Year :	
			: Stream Bed : : Elevation : : ft. M.S.L. :	: Flood : : Elevation : : ft. M.S.L. :	: Peak : : Discharge : : c.f.s. :	: Flood : : Elevation : : ft. M.S.L. :	: Peak : : Discharge : : c.f.s. :
M-074	107+70		5923.0	5927.7	10200	5927.9	12000
M-060	129+50		5946.5	5952.5	10200	5953.3	12000
M-050	145+30		5974.0	5976.8	10200	5977.1	12000
M-041	159+50		5985.9	5993.6	10200	5993.8	12000
M-040	160+90	Fountain Boulevard	5992.2	6005.6	10200	6005.9	12000
M-039	162+00		5996.5	6005.7	10200	6005.9	12000
----- Reach 2 -----							
M-039	162+00		5996.5	6005.7	10200	6005.9	12000
W-390	175+90		6023.0	6026.1	5700	6026.4	7300
W-380	187+90		6040.0	6042.3	5700	6042.8	7400
W-370	206+90		6064.0	6066.9	5700	6067.3	7400
W-359	216+20		6078.3	6081.2	5700	6081.6	7400
W-350	235+70		6104.0	6107.9	5700	6108.2	7500
W-340	248+00		6120.0	6123.0	5700	6123.4	7500
W-330	267+00		6152.0	6155.2	5000	6155.5	6900
W-321	279+00		6173.0	6179.2	4400	6179.8	6400

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development

TABLE 2 100-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 2 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ³	
			100-Year			100-Year	
			Stream Bed Elevation :ft. M.S.L.	Flood Elevation :ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation :ft. M.S.L.	Peak Discharge c.f.s.
W-320	280+50	U.S. Highway 24	6176.5	6181.2	4400	6181.5	5800
W-320A	282+30		6178.0	6181.8	4400	6182.1	5200
W-319	290+70		6191.1	6195.0	4400	6195.2	5200
W-310	294+70		6198.0	6201.7	4400	6202.2	5200
W-301	303+90		6214.6	6218.1	4400	6218.4	5200
W-300B	309+90		6221.0	6224.0	4400	6224.2	5200
W-300	310+90	Galley Road	6229.2	6239.0	4400	6239.2	5200
W-300A	312+40		6232.0	6239.1	4400	6239.3	5200
W-299	318+80		6238.0	6244.4	4400	6244.9	5300
W-290	330+40		6262.0	6267.2	4400	6267.6	5300
W-280	349+00		6294.0	6297.8	4400	6298.1	5300
W-272B	353+00		6298.0	6302.2	4400	6302.5	5300
W-272	354+50	Palmer Park Boulevard	6299.2	6307.0	4400	6307.8	5300
W-271	356+70		6307.7	6310.4	4400	6310.7	5300
W-270	365+90		6322.0	6324.1	4400	6324.2	5300
W-261	378+60		6346.0	6347.4	4400	6347.6	5300

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 2 100-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 2 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions	
			100-Year			100-Year	
			Stream Bed	Flood	Peak	Flood	Peak
			Elevation	Elevation	Discharge	Elevation	Discharge
			ft. M.S.L.	ft. M.S.L.	c.f.s.	ft. M.S.L.	c.f.s.
W-250	386+60		6359.0	6360.1	4400	6360.3	5300
W-239	409+70		6391.7	6393.7	4500	6393.8	5300
W-230	427+10		6413.0	6415.3	4400	6415.4	5300
W-220	440+30		6429.0	6431.1	4400	6431.4	5300
W-210	454+30		6444.0	6446.5	4400	6446.7	5300
W-200	467+90		6461.5	6465.2	4400	6465.6	5300
W-190	492+90		6492.0	6495.0	4400	6495.2	5300
W-180	507+70		6509.0	6512.7	4400	6513.2	5200
W-170	527+80		6535.5	6540.7	4300	6541.0	5200
W-160	549+00		6569.0	6574.6	4300	6575.2	5200
----- Reach 3 -----							
W-160	549+00		6569.0	6574.6	4300	6575.2	5200
W-150	559+40		6582.0	6587.8	4200	6588.3	5000
W-140	582+80		6620.0	6626.2	3900	6626.5	4600
W-130	599+80		6647.0	6651.0	3600	6651.4	4300
W-120	620+20		6676.5	6680.3	3300	6680.5	3900

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 2 100-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 3 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
W-110	636+20		6702.5	6706.3	3000	6706.7	3500
W-100	649+80		6720.5	6723.5	2600	6723.6	3100
W-090	675+40		6757.0	6761.2	2600	6761.5	3100
W-080	697+00		6785.0	6789.2	2500	6789.7	3100
W-070	716+00		6808.5	6814.2	2500	6814.9	3100
W-060	738+40		6849.5	6853.6	2600	6853.8	3000
W-051	754+60		6873.3	6877.0	2600	6877.3	3000
W-050	755+80	Highway 110	6874.8	6879.2	2600	6879.2	3000
W-049	757+20		6876.9	6880.4	2600	6880.5	3000
W-040	780+00		6909.0	6912.9	2600	6913.2	3100
W-030	810+40		6954.5	6958.9	2600	6959.1	3100
W-020	857+40		7033.5	7036.5	2600	7036.8	3100
W-010	874+40		7051.5	7055.9	2600	7056.4	3100

^{1/} Flood elevations pertain only to streamflow in the main channel segment.
^{2/} Year 1970
^{3/} Year 1990 level of development.

TABLE 2 100-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 4

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			: 100-Year :			: 100-Year :	
			: Stream Bed :	: Flood :	: Peak :	: Flood :	: Peak :
			: Elevation :	: Elevation :	: Discharge :	: Elevation :	: Discharge :
			ft. M.S.L.	ft. M.S.L.	c.f.s.	ft. M.S.L.	c.f.s.
M-039	0+00	Confluence with Sand Creek	5996.5	6005.7	10200	6005.9	12000
E-340	16+00		6018.0	6020.8	5400	6021.0	6600
E-330	28+70		6032.0	6034.6	5400	6035.0	6600
E-320	44+80		6055.0	6058.3	5400	6058.5	6600
E-310	61+50		6081.0	6085.5	5400	6085.7	6600
E-300	73+00		6101.0	6103.6	5400	6103.8	6600
E-290	90+90		6128.0	6130.0	5300	6130.2	6400
E-280	107+00		6152.0	6158.3	5300	6159.2	6500
E-270	118+70		6173.0	6175.4	5300	6175.6	6500
E-262	127+40		6184.5	6189.8	5300	6190.5	6500
E-261	129+30	Aviation Way	6190.2	6199.8	5300	6200.3	6500
E-260	132+20		6193.0	6201.9	5300	6202.5	6500
E-250	148+00		6219.0	6220.8	5300	6221.0	6500
E-240	162+00		6237.0	6238.8	5300	6239.1	6500
E-231	168+40		6246.6	6249.8	5300	6250.2	6500
E-230	172+90	U.S. Highway 24	6251.1	6257.8	5300	6258.1	6500

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 2 100-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 4 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed	100-Year	Peak	100-Year	Peak
			Elevation :ft. M.S.L.	Elevation :ft. M.S.L.	Discharge :c.f.s.	Elevation :ft. M.S.L.	Discharge :c.f.s.
E-230A	175+00		6254.8	6258.7	5300	6259.2	6500
E-229	181+80		6263.5	6267.3	5300	6267.7	6500
E-220	190+80		6276.0	6277.8	5300	6278.1	6500
E-213	194+00		6278.7	6281.4	5300	6281.6	6500
E-212	198+60	Peterson Road	6284.0	6292.2	5300	6292.5	6500
E-211	200+50		6287.3	6293.0	5300	6293.4	6500
E-210	212+60		6294.0	6298.3	5300	6298.6	6500
E-200	229+00		6319.0	6322.2	5300	6322.5	6500
E-190	243+70		6338.0	6343.1	5300	6343.4	6500
E-180	263+60		6362.5	6365.9	5300	6366.0	6500
E-176	274+90		6374.3	6378.8	5300	6379.2	6500
E-175	276+10	Marksheffel Road	6378.3	6381.4	5300	6381.8	6500
E-174	277+60		6380.0	6383.1	5300	6383.3	6500
E-170	287+40		6393.0	6395.2	5200	6395.4	6400
E-160	303+10		6409.0	6412.2	5200	6412.5	6400
E-150	317+10		6421.0	6424.0	5200	6424.3	6500

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 2 100-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 5

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed	100-Year Flood	Peak	100-Year Flood	Peak
			Elevation ft. M.S.L.	Elevation ft. M.S.L.	Discharge c.f.s.	Elevation ft. M.S.L.	Discharge c.f.s.
E-150	317+10		6421.0	6424.0	5200	6424.3	6500
E-140	341+90		6449.0	6453.2	3900	6453.5	4900
E-130	359+40		6467.0	6470.8	4000	6471.2	4900
E-120	378+80		6488.0	6493.2	4000	6494.0	5000
E-110	393+80		6501.0	6506.0	4000	6506.4	5000
E-100	412+20		6525.0	6531.3	4000	6531.7	5100
E-090	433+40		6550.0	6557.6	4200	6558.1	5200
E-080	448+40		6565.0	6570.0	4200	6570.3	5300
E-070	468+30		6590.0	6592.4	4300	6593.1	5400
E-060	490+50		6617.0	6622.7	4300	6623.0	5400
E-050	504+10		6627.0	6632.1	2600	6633.3	4500
E-040	516+90		6648.0	6653.2	2600	6653.8	3700
E-030	535+90		6677.0	6679.3	2400	6679.4	2800
E-020	556+30		6696.0	6698.8	1300	6699.0	1600
E-010	570+60		6712.0	6717.5	1300	6717.6	1500

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 2 100-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Center Tributary, Sand Creek, Reach 6

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			100-Year			100-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
C-121	0+00	Airport Road	6101.0	6107.6	800	6107.9	1100
C-120	8+40		6111.0	6113.1	800	6113.4	1100
C-110	25+60		6129.0	6131.2	800	6131.5	1200
C-100	44+20	Pikes Peak Avenue	6148.9	6149.9	800	6150.2	1200
C-090	53+00		6159.0	6160.8	800	6161.0	1300
C-080	60+40	Intersection Powers Blvd. and Bijou Street	6170.3	6171.7	800	6172.2	1300
C-070	69+80		6181.0	6184.8	700	6185.3	1300
C-061	78+60		6191.0	6194.1	600	6195.4	1200
C-060	82+00	U.S. Highway 24	6193.9	6207.6	600	6207.9	1100
C-059	84+40		6202.2	6207.7	600	6208.0	1100
C-053	89+00		6212.0	6214.2	700	6214.5	1100
C-052	90+00	Terminal Street	6211.0	6214.6	700	6215.0	1200
C-051	91+50		6212.5	6216.4	700	6216.8	1300
C-050	96+80		6217.0	6222.6	900	6223.0	1300
C-041	107+80		6234.9	6240.4	700	6241.9	1300

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 2 100-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Center Tributary, Sand Creek, Reach 6 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			100-Year			100-Year	
			Stream Bed	Flood	Peak	Flood	Peak
			Elevation	Elevation	Discharge	Elevation	Discharge
			ft. M.S.L.	ft. M.S.L.	c.f.s.	ft. M.S.L.	c.f.s.
C-040	109+40	Galley Road	6238.2	6244.1	700	6244.5	1200
C-039	110+00		6239.2	6244.2	700	6244.5	1100
C-030	122+60		6258.0	6261.1	700	6261.6	900
C-022	133+80		6293.0	6294.1	200	6295.0	700
C-021	136+00	Omaha Boulevard	6297.0	6303.6	200	6304.3	500
C-020	136+70		6297.0	6303.6	200	6303.9	300
C-015	139+70		6325.0	6326.1	300	6326.2	300
C-010	166+90		6369.0	6370.6	300	6370.8	400

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 3 50-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 1

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			Stream Bed	50-Year	Peak	50-Year	Peak
			Elevation :ft. M.S.L.	Elevation :ft. M.S.L.	Discharge :c.f.s.	Elevation :ft. M.S.L.	Discharge :c.f.s.
	0+00	Mouth at Fountain Creek	5780.0				
M-150	3+00		5783.0	5790.1	7300	5791.0	9100
M-140	11+80		5794.0	5802.0	7300	5802.9	9100
M-131	23+20		5809.5	5813.6	7300	5814.0	9100
M-130	26+30	D&RG Railroad	5820.8	5827.1	7300	5827.4	9100
M-129	29+90		5819.8	5828.5	7300	5829.2	9200
M-120	37+50	AT&SF Railroad	5830.5	5837.4	7300	5838.0	9200
M-119	38+40		5831.7	5838.2	7300	5838.6	9200
M-110	49+80		5840.0	5845.2	7900	5845.6	9600
M-101	65+80		5856.1	5862.0	7900	5862.5	9600
M-100	69+00	Hancock Expressway	5868.4	5877.2	7900	5877.4	9600
M-099	71+30		5870.7	5877.6	7900	5877.9	9600
M-090	81+30		5881.5	5885.7	7900	5886.1	9600
M-080	95+30		5902.0	5905.9	7900	5906.3	9600
M-076	102+50		5916.0	5919.4	7900	5919.8	9500
M-075	104+10	Academy Boulevard	5918.4	5926.3	7900	5926.4	9500

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972 ^{3/} Year 1980 level of development

TABLE 3 50-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 1 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed Elevation ft. M.S.L.	50-Year Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	50-Year Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
M-074	107+70		5923.0	5927.2	7900	5927.6	9500
M-060	129+50		5946.5	5951.5	7900	5952.3	9500
M-050	145+30		5974.0	5976.6	7900	5976.8	9500
M-041	159+50		5985.9	5992.8	7900	5993.4	9500
M-040	160+90	Fountain Boulevard	5992.2	6005.2	7900	6005.5	9500
M-039	162+00		5996.5	6005.4	7900	6005.6	9500
----- Reach 2 -----							
M-039	162+00		5996.5	6005.4	7900	6005.6	9600
W-390	175+90		6023.0	6025.7	4200	6026.1	5800
W-380	187+90		6040.0	6042.1	4200	6042.3	5800
W-370	206+90		6064.0	6066.6	4200	6066.9	5800
W-359	216+20		6078.3	6080.9	4200	6081.3	5800
W-350	235+70		6104.0	6107.5	4200	6107.9	5900
W-340	248+00		6120.0	6122.6	4200	6123.0	5900
W-330	267+00		6152.0	6154.8	3800	6155.2	5500
W-321	279+00		6173.0	6178.9	3400	6179.4	5000

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 3 50-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 2 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed Elevation ft. M.S.L.	50-Year Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	50-Year Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
W-320	280+50	U.S. Highway 24	6176.5	6180.9	3400	6181.2	4600
W-320A	282+30		6178.0	6181.4	3400	6181.7	4100
W-319	290+70		6191.1	6194.5	3400	6194.8	4100
W-310	294+70		6198.0	6201.3	3400	6201.5	4100
W-301	303+90		6214.6	6217.8	3400	6218.1	4100
W-300B	309+90		6221.0	6223.8	3900	6223.9	4200
W-300	310+90	Galley Road	6229.2	6238.8	3900	6238.9	4200
W-300A	312+40		6232.0	6238.9	3400	6239.1	4200
W-299	318+80		6238.0	6243.7	3400	6244.1	4200
W-290	330+40		6262.0	6266.7	3500	6267.1	4200
W-280	349+00		6294.0	6297.5	3500	6297.8	4200
W-272B	353+00		6298.0	6301.8	3500	6302.2	4200
W-272	354+50	Palmer Park Boulevard	6299.2	6306.4	3500	6306.9	4200
W-271	356+70		6307.7	6310.2	3500	6310.4	4200
W-270	365+90		6322.0	6323.8	3500	6324.1	4200
W-261	378+60		6346.0	6347.2	3500	6347.4	4200

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 3 50-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 2 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			50-Year			50-Year	
			Stream Bed	Flood	Peak	Flood	Peak
			Elevation	Elevation	Discharge	Elevation	Discharge
			ft. M.S.L.	ft. M.S.L.	c.f.s.	ft. M.S.L.	c.f.s.
W-250	386+60		6359.0	6359.9	3500	6360.1	4200
W-239	409+70		6391.7	6393.5	3500	6393.7	4200
W-230	427+10		6413.0	6415.0	3500	6415.2	4200
W-220	440+30		6429.0	6430.9	3400	6431.1	4200
W-210	454+30		6444.0	6446.2	3400	6446.4	4200
W-200	467+90		6461.5	6464.8	3400	6465.1	4200
W-190	492+90		6492.0	6494.8	3400	6494.9	4200
W-180	507+70		6509.0	6512.3	3400	6512.6	4100
W-170	527+80		6535.5	6540.0	3400	6540.6	4100
W-160	549+00		6569.0	6573.9	3400	6574.5	4100
----- Reach 3 -----							
W-160	549+00		6569.0	6573.9	3400	6574.5	4100
W-150	559+40		6582.0	6587.1	3300	6587.6	3900
W-140	582+80		6620.0	6625.5	3000	6626.1	3600
W-130	599+80		6647.0	6650.5	2800	6650.9	3400
W-120	620+20		6676.5	6680.2	2600	6680.3	3100

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 3 50-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 3 (Contd)

			Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			: 50-Year :			: 50-Year :	
			: Stream Bed : Flood : Peak :			: Flood : Peak :	
Cross-Section : Stationing:			: Elevation : Elevation : Discharge :			: Elevation : Discharge :	
Number : Feet : Identification			: ft. M.S.L. : ft. M.S.L. : c.f.s. :			: ft. M.S.L. : c.f.s. :	
W-110	636+20		6702.5	6705.9	2300	6706.2	2800
W-100	649+80		6720.5	6723.3	2100	6723.5	2500
W-090	675+40		6757.0	6760.9	2100	6761.1	2500
W-080	697+00		6785.0	6788.9	2100	6789.2	2500
W-070	716+00		6808.5	6813.6	2200	6814.2	2500
W-060	738+40		6849.5	6853.4	2100	6853.6	2500
W-051	754+60		6873.3	6876.6	2100	6876.9	2500
W-050	755+80	Highway 110	6874.8	6879.2	2100	6879.2	2500
W-049	757+20		6876.9	6880.2	2100	6880.4	2500
W-040	780+00		6909.0	6912.4	2100	6912.8	2500
W-030	810+40		6954.5	6958.5	2100	6958.8	2500
W-020	857+40		7033.5	7036.3	2100	7036.5	2500
W-010	874+40		7051.5	7055.4	2200	7055.8	2500

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 3 50-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 4

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed	50-Year	Peak	50-Year	Peak
			Elevation :ft. M.S.L.	Elevation :ft. M.S.L.	Discharge :c.f.s.	Elevation :ft. M.S.L.	Discharge :c.f.s.
M-039	0+00	Confluence with Sand Creek	5996.5	6005.4	7800	6005.6	9500
E-340	16+00		6018.0	6020.5	4200	6020.7	5300
E-330	28+70		6032.0	6034.4	4200	6034.6	5300
E-320	44+80		6055.0	6058.0	4200	6058.3	5300
E-310	61+50		6081.0	6085.0	4300	6085.4	5300
E-300	73+00		6101.0	6103.2	4300	6103.5	5300
E-290	90+90		6128.0	6129.7	4100	6129.9	5200
E-280	107+00		6152.0	6157.5	4100	6158.3	5200
E-270	118+70		6173.0	6175.1	4100	6175.3	5200
E-262	127+40		6184.5	6189.3	4100	6189.8	5200
E-261	129+30	Aviation Way	6190.2	6199.3	4100	6199.8	5200
E-260	132+20		6193.0	6201.1	4100	6201.8	5200
E-250	148+00		6219.0	6220.5	4200	6220.8	5200
E-240	162+00		6237.0	6238.5	4200	6238.7	5200
E-231	168+40		6246.6	6249.5	4200	6249.8	5200
E-230	172+90	U.S. Highway 24	6251.1	6256.4	4200	6257.7	5200

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1977. ^{3/} year 1990 level of development.

TABLE 3 50-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 4 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed	50-Year Flood	Peak	50-Year Flood	Peak
			Elevation :ft. M.S.L.	Elevation :ft. M.S.L.	Discharge :c.f.s.	Elevation :ft. M.S.L.	Discharge :c.f.s.
E-230A	175+00		6254.8	6258.1	4200	6258.7	5200
E-229	181+80		6263.5	6267.0	4200	6267.4	5200
E-220	190+80		6276.0	6277.5	4200	6277.8	5200
E-213	194+00		6278.7	6281.1	4200	6281.4	5200
E-212	198+60	Peterson Road	6284.0	6291.8	4200	6292.2	5300
E-211	200+50		6287.3	6292.6	4200	6293.0	5300
E-210	212+60		6294.0	6297.9	4200	6298.2	5300
E-200	229+00		6319.0	6321.8	4200	6322.2	5300
E-190	243+70		6338.0	6342.8	4200	6343.2	5300
E-180	263+60		6362.5	6365.6	4200	6365.8	5300
E-176	274+90		6374.3	6378.3	4100	6378.8	5200
E-175	276+10	Marksheffel Road	6378.3	6380.9	4100	6381.4	5200
E-174	277+60		6380.0	6382.7	4100	6383.1	5200
E-170	287+40		6393.0	6395.0	4100	6395.2	5200
E-160	303+10		6409.0	6411.9	4100	6412.1	5200
E-150	317+10		6421.0	6423.6	4100	6424.0	5200

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 3 50-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 5

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			50-Year			50-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
E-150	317+10		6421.0	6423.6	4100	6424.0	5200
E-140	341+90		6449.0	6452.9	3100	6453.2	3900
E-130	359+40		6467.0	6470.3	3100	6470.8	4000
E-120	378+80		6488.0	6492.6	3200	6493.2	4000
E-110	393+80		6501.0	6505.4	3200	6506.0	4100
E-100	412+20		6525.0	6530.9	3200	6531.3	4100
E-090	433+40		6550.0	6557.6	3300	6557.7	4200
E-080	448+40		6565.0	6569.5	3300	6570.0	4300
E-070	468+30		6590.0	6592.4	3400	6592.7	4300
E-060	490+50		6617.0	6622.1	3400	6622.7	4400
E-050	504+10		6627.0	6631.6	2100	6632.8	3700
E-040	516+90		6648.0	6652.8	2100	6653.4	3000
E-030	535+90		6677.0	6679.2	1900	6679.3	2300
E-020	556+30		6696.0	6698.4	1100	6698.8	1300
E-010	570+60		6712.0	6717.2	1000	6717.4	1200

^{1/} Flood elevations pertain only to streamflow in the main channel.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 3 50-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Center Tributary, Sand Creek, Reach 6

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			Stream Bed	50-Year	Peak	50-Year	Peak
			Elevation :ft. M.S.L.	Elevation :ft. M.S.L.	Discharge :c.f.s.	Elevation :ft. M.S.L.	Discharge :c.f.s.
C-121	0+00	Airport Road	6101.0	5107.5	600	6107.7	900
C-120	8+40		6111.0	6112.9	600	6113.2	900
C-110	25+60		6129.0	6130.9	600	6131.4	900
C-100	44+20	Pikes Peak Avenue	6148.9	6149.7	600	6150.1	1000
C-090	53+00		6159.0	6160.6	600	6160.8	1000
C-080	60+40	Intersection Powers Blvd. and Bijou Street	6170.3	6171.6	600	6172.0	1100
C-070	69+80		6181.0	6184.7	500	6185.1	1000
C-061	78+60		6191.0	6194.0	500	6195.1	1000
C-060	82+00	U.S. Highway 24	6193.9	6207.5	500	6207.8	900
C-059	84+40		6202.2	6207.6	500	6207.9	800
C-053	89+00		6212.0	6213.9	600	6214.4	900
C-052	90+00	Terminal Street	6211.0	6214.5	600	6214.8	1000
C-051	91+50		6215.6	6216.1	600	6216.7	1000
C-050	96+80		6217.0	6222.2	800	6222.8	1100
C-041	107+80		6234.9	6240.1	600	6241.1	1000

^{1/} Flood elevations pertain only to overbank flow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 3 50-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Center Tributary, Sand Creek, Reach 6 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			50-Year			50-Year	
			Stream Bed	Flood	Peak	Flood	Peak
			Elevation	Elevation	Discharge	Elevation	Discharge
			ft. M.S.L.	ft. M.S.L.	c.f.s.	ft. M.S.L.	c.f.s.
C-040	109+40	Galley Road	6238.2	6244.0	600	6244.3	1000
C-039	110+00		6239.2	6244.1	600	6244.4	900
C-030	122+60		6258.0	6260.8	500	6261.3	800
C-022	133+80		6293.0	6294.0	200	6294.8	600
C-021	136+00	Omaha Boulevard	6297.0	6303.1	200	6304.2	400
C-020	136+70		6297.0	6303.1	200	6303.7	200
C-015	139+70		6325.0	6326.0	200	6326.1	300
C-010	166+90		6369.6	6370.4	300	6370.6	300

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972 ^{3/} Year 1990 level of development

TABLE 4 25-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 1

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			25-Year			25-Year	
			Stream Bed Elevation :ft. M.S.L.	Flood Elevation :ft. M.S.L.	Peak Discharge :c.f.s.	Flood Elevation :ft. M.S.L.	Peak Discharge :c.f.s.
	0+00	Mouth at Fountain Creek	5780.0				
M-150	3+00		5783.0	5788.7	5300	5789.8	7000
M-140	11+80		5794.0	5801.3	5300	5802.1	7000
M-131	23+20		5809.5	5813.1	5300	5813.5	7000
M-130	26+30	D&RG Railroad	5820.8	5826.7	5300	5827.0	7000
M-129	29+90		5819.8	5827.8	5300	5828.4	7000
M-120	37+50	AT&SF Railroad	5830.5	5836.6	5300	5837.3	7000
M-119	38+40		5831.7	5837.7	5300	5838.1	7000
M-110	49+80		5840.0	5844.6	5900	5845.1	7400
M-101	65+80		5856.1	5860.8	5900	5861.6	7400
M-100	69+00	Hancock Expressway	5868.4	5876.8	5900	5877.1	7400
M-099	71+30		5870.7	5877.0	5900	5877.4	7400
M-090	81+30		5881.5	5885.1	5900	5885.6	7400
M-080	95+30		5902.0	5905.2	5900	5905.7	7400
M-076	102+50		5916.0	5919.0	5900	5919.3	7400
M-075	104+10	Academy Boulevard	5918.4	5926.1	5900	5926.4	7400

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 4 25-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 1 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			25-Year			25-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
M-074	107+70		5923.0	5926.9	5900	5927.2	7400
M-060	129+50		5946.5	5950.7	5900	5951.3	7400
M-050	145+30		5974.0	5976.3	5900	5976.6	7400
M-041	159+50		5985.9	5992.6	5900	5992.8	7400
M-040	160+90	Fountain Boulevard	5992.2	6004.9	5900	6005.2	7400
M-039	162+00		5996.5	6005.1	5900	6005.3	7400
----- Reach 2 -----							
M-039	162+00		5996.5	6005.1	5900	6005.3	7400
W-390	175+90		6023.0	6025.4	3100	6025.8	4400
W-380	187+90		6040.0	6041.8	3100	6042.1	4500
W-370	206+90		6064.0	6066.3	3100	6066.7	4500
W-359	216+20		6078.3	6080.7	3100	6081.0	4600
W-350	235+70		6104.0	6107.1	3100	6107.6	4600
W-340	248+00		6120.0	6122.3	3100	6122.7	4600
W-330	267+00		6152.0	6154.5	2800	6155.0	4300
W-321	279+00		6173.0	6178.6	2500	6179.0	3900

^{1/} Elevation pertains only to streamflow in the main channel segment.^{2/} Based on 1070 c.f.s. flow and 100 year flood development.

TABLE 4 25-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 2 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			25-Year			25-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
W-320	280+50	U.S. Highway 24	6176.5	6180.5	2500	6180.9	3600
W-320A	282+30		6178.0	6181.1	2500	6181.4	3200
W-319	290+70		6191.1	6194.1	2500	6194.5	3200
W-310	294+70		6198.0	6200.9	2500	6201.2	3200
W-301	303+90		6214.6	6217.2	2500	6217.7	3200
W-300B	309+90		6221.0	6223.2	2500	6223.5	3200
W-300	310+90	Galley Road	6229.2	6238.5	2500	6238.8	3200
W-300A	312+40		6232.0	6238.6	2500	6238.8	3200
W-299	318+80		6238.0	6243.2	2600	6243.6	3200
W-290	330+40		6262.0	6266.1	2600	6266.5	3300
W-280	349+00		6294.0	6297.2	2600	6297.4	3300
W-272B	353+00		6298.0	6301.4	2600	6301.7	3300
W-272	354+50	Palmer Park Boulevard	6299.2	6306.3	2600	6306.3	3300
W-271	356+70		6307.7	6310.8	2600	6310.2	3300
W-270	365+90		6322.0	6323.6	2600	6323.8	3300
W-261	378+60		6346.0	6347.0	2600	6347.2	3300

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 4 25-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 2 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			: 25-Year :			: 25-Year :	
			: Stream Bed : Elevation : ft. M.S.L. :	: Flood : Elevation : ft. M.S.L. :	: Peak : Discharge : c.f.s. :	: Flood : Elevation : ft. M.S.L. :	: Peak : Discharge : c.f.s. :
W-250	386+60		6359.0	6359.6	2600	6359.8	3300
W-239	409+70		6391.7	6393.3	2700	6393.5	3300
W-230	427+10		6413.0	6414.7	2600	6414.9	3300
W-220	440+30		6429.0	6430.7	2600	6430.9	3200
W-210	454+30		6444.0	6445.9	2600	6446.2	3200
W-200	467+90		6461.5	6464.4	2600	6464.7	3200
W-190	492+90		6492.0	6494.6	2600	6494.8	3200
W-180	507+70		6509.0	6511.9	2600	6512.2	3200
W-170	527+80		6535.5	6539.3	2500	6540.0	3200
W-160	549+00		6569.0	6573.2	2500	6573.7	3200
----- Reach 3 -----							
W-160	549+00		6569.0	6573.2	2500	6573.7	3200
W-150	559+40		6582.0	6586.5	2400	6587.0	3000
W-140	582+80		6620.0	6625.1	2300	6625.3	2800
W-130	599+80		6647.0	6650.0	2100	6650.4	2600
W-120	620+20		6676.5	6679.7	2000	6680.0	2400

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 4 25-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 3 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			25-Year			25-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
W-110	636+20		6702.5	6705.5	1800	6705.7	2200
W-100	649+80		6720.5	6723.0	1700	6723.2	2000
W-090	675+40		6757.0	6760.5	1700	6760.8	2000
W-080	697+00		6785.0	6788.7	1700	6788.9	2000
W-070	716+00		6808.5	6813.0	1700	6813.4	2000
W-060	738+40		6849.5	6853.2	1700	6853.3	2000
W-051	754+60		6873.3	6876.0	1700	6876.6	2000
W-050	755+80	Highway 110	6874.8	6879.2	1700	6879.2	2000
W-049	757+20		6876.9	6880.0	1700	6880.2	2000
W-040	780+00		6909.0	6911.9	1700	6912.4	2100
W-030	810+40		6954.5	6958.2	1700	6958.5	2100
W-020	857+40		7033.5	7036.2	1700	7036.3	2100
W-010	874+40		7051.5	7055.0	1700	7055.5	2200

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 4 25-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 4

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			25-Year			25-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
M-039	0+00	Confluence with Sand Creek	5996.5	6005.1	5900	6005.3	7400
E-340	16+00		6018.0	6020.2	3200	6020.4	4200
E-330	28+70		6032.0	6034.1	3200	6034.3	4200
E-320	44+80		6055.0	6057.7	3200	6058.0	4200
E-310	61+50		6081.0	6084.4	3200	6084.9	4200
E-300	73+00		6101.0	6102.9	3200	6103.2	4200
E-290	90+90		6128.0	6129.5	3100	6129.7	4000
E-280	107+00		6152.0	6156.8	3100	6157.2	4100
E-270	118+70		6173.0	6174.8	3100	6175.1	4100
E-262	127+40		6184.5	6188.7	3100	6189.3	4100
E-261	129+30	Aviation Way	6190.2	6198.8	3100	6199.3	4100
E-260	132+20		6193.0	6200.5	3100	6201.0	4100
E-250	148+00		6219.0	6220.3	3200	6220.5	4100
E-240	162+00		6237.0	6238.2	3200	6238.4	4100
E-231	168+40		6246.6	6249.2	3200	6249.4	4100
E-230	172+90	U.S. Highway 24	6251.1	6254.6	3200	6256.3	4100

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 4 25-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 4 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			: 25-Year :			: 25-Year :	
			: Stream Bed : : Elevation : : ft. M.S.L. :	: Flood : : Elevation : : ft. M.S.L. :	: Peak : : Discharge : : c.f.s. :	: Flood : : Elevation : : ft. M.S.L. :	: Peak : : Discharge : : c.f.s. :
E-230A	175+00		6254.8	6257.2	3200	6258.0	4100
E-229	181+80		6263.5	6266.6	3200	6267.0	4100
E-220	190+80		6276.0	6277.4	3200	6277.5	4100
E-213	194+00		6278.7	6280.8	3200	6281.0	4100
E-212	198+60	Peterson Road	6284.0	6291.4	3200	6291.6	4100
E-211	200+50		6287.3	6292.0	3200	6292.5	4100
E-210	212+60		6294.0	6297.5	3200	6297.9	4100
E-200	229+00		6319.0	6321.6	3200	6321.8	4100
E-190	243+70		6338.0	6342.3	3200	6342.5	4100
E-180	263+60		6362.5	6365.4	3200	6365.6	4100
E-176	274+90		6274.3	6377.8	3100	6378.3	4100
E-175	276+10	Marksheffel Road	6378.3	6380.3	3100	6380.9	4100
E-174	277+60		6380.0	6382.3	3100	6382.7	4100
E-170	287+40		6393.0	6394.7	3100	6395.0	4100
E-160	303+10		6409.0	6411.5	3100	6411.9	4100
E-150	317+10		6421.0	6423.2	3100	6423.6	4100

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 4 25-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 5

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			: 25-Year :			: 25-Year :	
			Stream Bed : Elevation : ft. M.S.L. :	Flood : Elevation : ft. M.S.L. :	Peak : Discharge : c.f.s. :	Flood : Elevation : ft. M.S.L. :	Peak : Discharge : c.f.s. :
E-150	317+10		6421.0	6423.2	3100	6423.6	4100
E-140	341+90		6449.0	6452.2	2400	6452.9	3100
E-130	359+40		6467.0	6469.8	2400	6470.2	3100
E-120	378+80		6488.0	6491.9	2400	6492.6	3200
E-110	393+80		6501.0	6505.2	2400	6505.5	3200
E-100	412+20		6525.0	6530.5	2400	6530.8	3200
E-090	433+40		6550.0	6556.6	2500	6557.2	3300
E-080	448+40		6565.0	6569.1	2600	6569.5	3400
E-070	468+30		6590.0	6591.7	2600	6592.3	3400
E-060	490+50		6617.0	6621.3	2600	6622.0	3400
E-050	504+10		6627.0	6631.0	1600	6632.1	2900
E-040	516+90		6648.0	6652.4	1600	6653.0	2300
E-030	535+90		6677.0	6678.9	1500	6679.1	1800
E-020	556+30		6696.0	6698.3	800	6698.4	1100
E-010	570+60		6712.0	6716.8	800	6717.2	1000

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 4 25-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Center Tributary, Sand Creek, Reach 6

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			25-Year			25-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
C-121	0+00	Airport Road	6101.0	6107.3	500	6107.5	700
C-120	8+40		6111.0	6112.8	500	6112.9	700
C-110	25+60		6129.0	6130.8	500	6131.0	700
C-100	44+20	Pikes Peak Avenue	6148.9	6149.6	500	6149.9	700
C-090	53+00		6159.0	6160.4	500	6160.7	800
C-080	60+40	Intersection Powers Blvd. and Bijou Street	6170.3	6171.4	400	6171.8	800
C-070	69+80		6181.0	6184.6	400	6185.0	800
C-061	78+60		6191.0	6193.6	400	6194.4	700
C-060	82+00	U.S. Highway 24	6193.9	6207.4	400	6207.6	700
C-059	84+40		6202.2	6207.5	400	6207.7	600
C-053	89+00		6212.0	6213.8	500	6214.2	700
C-052	90+00	Terminal Street	6211.0	6214.4	500	6214.6	800
C-051	91+50		6212.5	6216.0	500	6216.6	800
C-050	96+80		6217.0	6221.7	600	6222.5	900
C-041	107+80		6234.9	6239.7	500	6240.7	800
C-040	109+40	Galley Road	6238.2	6243.8	500	6244.2	800

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 4 25-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Center Tributary, Sand Creek, Reach 6 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			: 25-Year :			: 25-Year :	
			: Stream Bed :	: Flood :	: Peak :	: Flood :	: Peak :
			: Elevation :	: Elevation :	: Discharge :	: Elevation :	: Discharge :
			: ft. M.S.L. :	: ft. M.S.L. :	: c.f.s. :	: ft. M.S.L. :	: c.f.s. :
C-039	110+00		6239.2	6243.9	500	6244.2	700
C-030	122+60		6258.0	6260.6	400	6261.0	600
C-022	133+80		6293.0	6293.8	100	6294.6	500
C-021	136+00	Omaha Boulevard	6297.0	6302.0	100	6304.0	300
C-020	136+70		6297.0	6302.0	100	6303.5	200
C-015	139+70		6325.1	6325.9	200	6326.0	200
C-010	166+90		6369.0	6370.3	200	6370.4	300

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 5 10-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 1

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			10-Year			10-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
	0+00	Mouth at Fountain Creek	5780.0				
M-150	3+00		5783.0	5787.2	3000	5788.0	4300
M-140	11+80		5794.0	5798.3	2000	5800.7	4300
M-131	23+20		5809.5	5812.1	2000	5812.8	4300
M-130	26+30	D&RG Railroad	5820.8	5824.6	2000	5826.1	4300
M-129	29+90		5819.8	5826.2	2000	5827.4	4300
M-120	37+50	AT&SF Railroad	5830.5	5835.1	2000	5836.3	4300
M-119	38+40		5831.7	5836.5	3000	5837.2	4300
M-110	49+80		5840.0	5843.7	3500	5844.3	4800
M-101	65+80		5856.1	5859.7	3500	5860.3	4800
M-100	69+00	Hancock Expressway	5868.4	5876.4	3500	5876.7	4800
M-099	71+30		5870.7	5876.2	3500	5876.8	4800
M-090	81+30		5881.5	5884.3	3500	5884.7	4800
M-080	95+30		5902.0	5903.9	3500	5904.7	4800
M-076	102+50		5916.0	5918.3	3500	5918.7	4800
M-075	104+10	Academy Boulevard	5918.4	5925.6	3500	5926.0	4800

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 5 10-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 1 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			10-Year			10-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
M-074	107+70		5923.0	5926.3	3500	5926.7	4800
M-060	129+50		5946.5	5950.0	3500	5950.2	4800
M-050	145+30		5974.0	5975.8	3500	5976.2	4800
M-041	159+50		5985.9	5991.4	3500	5992.4	4800
M-040	160+90	Fountain Boulevard	5992.2	6004.5	3500	6004.8	4800
M-039	162+00		5996.5	6004.6	3500	6005.0	4800
----- Reach 2 -----							
M-039	162+00		5996.5	6004.6	3500	6005.0	4800
W-390	175+90		6023.0	6024.9	1900	6025.1	2400
W-380	187+90		6040.0	6041.7	1900	6041.7	2700
W-370	206+90		6064.0	6065.9	1900	6066.2	3000
W-359	216+20		6078.3	6080.3	1900	6080.8	3000
W-350	235+70		6104.0	6106.7	1900	6107.2	3100
W-340	248+00		6120.0	6121.9	1900	6122.3	3100
W-330	267+00		6152.0	6153.8	1700	6154.5	2900
W-321	279+00		6173.0	6178.1	1600	6178.6	2600

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 5 10-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 2 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			: 10-Year :			: 10-Year :	
			: Stream Bed :	: Flood :	: Peak :	: Flood :	: Peak :
			: Elevation :	: Elevation :	: Discharge :	: Elevation :	: Discharge :
			: ft. M.S.L. :	: ft. M.S.L. :	: c.f.s. :	: ft. M.S.L. :	: c.f.s. :
W-320	280+50	U.S. Highway 24	6176.5	6178.7	1600	6180.2	2300
W-320A	282+30		6178.0	6180.1	1600	6180.6	2100
W-319	290+70		6191.1	6193.5	1600	6193.9	2100
W-310	294+70		6198.0	6200.2	1600	6200.6	2100
W-301	303+90		6214.6	6216.5	1600	6217.0	2100
W-300B	309+90		6221.0	6222.6	1600	6223.5	2100
W-300	310+90	Galley Road	6229.2	6238.2	1600	6238.6	2100
W-300A	312+40		6232.0	6238.3	1600	6238.5	2100
W-299	318+80		6238.0	6242.4	1600	6242.8	2100
W-290	330+40		6262.0	6265.2	1600	6265.7	2100
W-280	349+00		6294.0	6296.8	1600	6297.0	2100
W-272B	353+00		6298.0	6301.0	1600	6301.2	2100
W-272	354+50	Palmer Park Boulevard	6299.2	6306.2	1600	6306.3	2100
W-271	356+70		6307.7	6309.8	1600	6309.9	2100
W-270	365+90		6322.0	6323.3	1600	6323.4	2100
W-261	378+60		6346.0	6346.7	1600	6346.9	2100

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 5 10-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 2 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			10-Year			10-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
W-250	386+60		6359.0	6359.3	1600	6359.5	2200
W-239	409+70		6391.7	6392.8	1600	6393.1	2100
W-230	427+10		6413.0	6414.3	1600	6414.5	2100
W-220	440+30		6429.0	6430.3	1600	6430.5	2100
W-210	454+30		6444.0	6445.4	1600	6445.8	2100
W-200	467+90		6461.5	6463.8	1600	6464.2	2100
W-190	492+90		6492.0	6494.2	1600	6494.5	2100
W-180	507+70		6509.0	6511.4	1600	6511.6	2100
W-170	527+80		6535.5	6538.6	1600	6539.2	2000
W-160	549+00		6569.0	6572.3	1600	6572.8	2000
----- Reach 3 -----							
W-160	549+00		6569.0	6572.3	1600	6572.8	2000
W-150	559+40		6582.0	6585.7	1500	6586.1	1900
W-140	582+80		6620.0	6624.3	1400	6624.8	1800
W-130	599+80		6647.0	6649.4	1300	6649.7	1700
W-120	620+20		6676.5	6679.3	1200	6679.5	1600

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 5 10-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Sand Creek, Reach 3 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			10-Year			10-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
W-110	636+20		6702.5	6704.9	1200	6705.2	1500
W-100	649+80		6720.5	6722.7	1100	6722.9	1400
W-090	675+40		6757.0	6760.1	1200	6760.3	1400
W-080	697+00		6785.0	6788.1	1200	6788.5	1400
W-070	716+00		6808.5	6812.2	1200	6812.6	1400
W-060	738+40		6849.5	6852.8	1200	6853.0	1400
W-051	754+60		6873.3	6875.7	1200	6875.9	1400
W-050	755+80	Highway 110	6874.8	6877.5	1200	6878.5	1400
W-049	757+20		6876.9	6879.5	1200	6879.8	1400
W-040	780+00		6909.0	6911.5	1200	6911.8	1500
W-030	810+40		6954.5	6957.7	1200	6958.1	1500
W-020	857+40		7033.5	7035.7	1200	7036.1	1500
W-010	874+40		7051.5	7054.4	1200	7054.9	1700

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 5 10-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 4

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions 2/			Projected Conditions 3/	
			10-Year			10-Year	
			Stream Bed	Flood	Peak	Flood	Peak
			Elevation	Elevation	Discharge	Elevation	Discharge
			ft. M.S.L.	ft. M.S.L.	c.f.s.	ft. M.S.L.	c.f.s.
M-039	0+00	Confluence with Sand Creek	5996.5	6004.6	3500	6004.9	4800
E-340	16+00		6018.0	6019.8	2000	6020.0	2700
E-330	28+70		6032.0	6033.9	2000	6034.0	2700
E-320	44+80		6055.0	6057.3	2000	6057.5	2700
E-310	61+50		6081.0	6083.8	2000	6084.1	2700
E-300	73+00		6101.0	6102.4	2000	6102.7	2700
E-290	90+90		6128.0	6129.3	1900	6129.4	2700
E-280	107+00		6152.0	6155.6	1900	6156.2	2700
E-270	118+70		6173.0	6174.4	1900	6174.6	2700
E-262	127+40		6184.5	6188.2	1900	6188.6	2700
E-261	129+30	Aviation Way	6190.2	6198.1	1900	6198.5	2700
E-260	132+20		6193.0	6199.4	1900	6200.0	2700
E-250	148+00		6219.0	6220.0	1900	6220.2	2700
E-240	162+00		6237.0	6237.9	1900	6238.1	2700
E-231	168+40		6246.6	6248.7	1900	6249.0	2700
E-230	172+90	U.S. Highway 24	6251.1	6254.5	1900	6254.7	2700

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 5 10-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Fast Fork, Sand Creek, Reach 4 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			: 10-Year :			: 10-Year :	
			: Stream Bed : : Elevation : : ft. M.S.L. :	: Flood : : Elevation : : ft. M.S.L. :	: Peak : : Discharge : : c.f.s. :	: Flood : : Elevation : : ft. M.S.L. :	: Peak : : Discharge : : c.f.s. :
E-230A	175+00		6254.8	6256.8	1900	6257.0	2700
E-229	181+80		6263.5	6266.0	1900	6266.3	2700
E-220	190+80		6276.0	6277.0	1900	6277.2	2700
E-213	194+00		6278.7	6280.5	1900	6280.6	2700
E-212	198+60	Peterson Road	6284.0	6290.8	1900	6291.2	2700
E-211	200+50		6287.3	6291.3	1900	6291.7	2700
E-210	212+60		6294.0	6296.9	1900	6297.3	2700
E-200	229+00		6319.0	6321.2	1900	6321.4	2700
E-190	243+70		6338.0	6341.4	1900	6342.0	2700
E-180	263+60		6362.5	6364.9	1900	6365.2	2700
E-176	274+90		6374.3	6377.0	1900	6377.5	2700
E-175	276+10	Marksheffel Road	6378.3	6379.7	1900	6380.1	2700
E-174	277+60		6380.0	6381.4	1900	6382.1	2700
E-170	287+40		6393.0	6394.0	1900	6394.6	2700
E-160	303+10		6409.0	6411.0	1900	6411.3	2700
E-150	317+10		6421.0	6422.7	1900	6423.0	2700

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 5 10-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

East Fork, Sand Creek, Reach 5

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			: 10-Year :			: 10-Year :	
			: Stream Bed : : Elevation :	: Flood : : Elevation :	: Peak : : Discharge :	: Flood : : Elevation :	: Peak : : Discharge :
			: ft. M.S.L. :	: ft. M.S.L. :	: c.f.s. :	: ft. M.S.L. :	: c.f.s. :
E-150	317+10		6421.0	6422.7	1900	6423.0	2700
E-140	341+90		6449.0	6451.2	1500	6451.8	2100
E-130	359+40		6467.0	6469.1	1500	6469.7	2100
E-120	378+80		6488.0	6490.9	1500	6491.6	2100
E-110	393+80		6501.0	6504.7	1500	6505.0	2100
E-100	412+20		6525.0	6530.1	1500	6530.4	2100
E-090	433+40		6550.0	6555.2	1600	6556.2	2200
E-080	448+40		6565.0	6568.2	1600	6568.8	2200
E-070	468+30		6590.0	6590.9	1600	6591.5	2200
E-060	490+50		6617.0	6620.1	1600	6621.0	2200
E-050	504+10		6627.0	6630.4	1100	6631.4	1900
E-040	516+90		6648.0	6651.7	1000	6652.4	1600
E-030	535+90		6677.0	6678.6	1000	6678.8	1200
E-020	556+30		6696.0	6698.1	500	6698.3	800
E-010	570+60		6712.0	6716.2	500	6716.6	700

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 5 10-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Center Tributary, Sand Creek, Reach 6

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			10-Year			10-Year	
			Stream Bed	Flood	Peak	Flood	Peak
			Elevation	Elevation	Discharge	Elevation	Discharge
			ft. M.S.L.	ft. M.S.L.	c.f.s.	ft. M.S.L.	c.f.s.
C-121	0+00	Airport Road	6101.0	6107.1	300	6107.2	400
C-120	8+40		6111.0	6112.6	300	6112.7	400
C-110	25+60		6129.0	6130.7	300	6130.8	500
C-100	44+20	Pikes Peak Avenue	6148.9	6149.6	300	6149.6	500
C-090	53+00		6159.0	6160.1	300	6160.5	500
C-080	60+40	Intersection Powers Blvd. and Bijou Street	6170.3	6171.2	300	6171.5	500
C-070	69+80		6181.0	6183.9	200	6184.5	500
C-061	78+60		6191.0	6193.2	200	6193.9	500
C-060	82+00	U.S. Highway 24	6193.9	6207.2	200	6207.5	400
C-059	84+40		6202.2	6207.3	200	6207.5	400
C-053	89+00		6212.0	6213.7	300	6213.8	400
C-052	90+00	Terminal Street	6211.0	6214.2	300	6214.4	500
C-051	91+50		6212.5	6215.6	300	6216.1	600
C-050	96+80		6217.0	6221.1	400	6221.8	600
C-041	107+80		6234.9	6239.2	400	6239.8	600

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.

TABLE 5 10-Year Flood

ELEVATION - PEAK DISCHARGE RELATIONSHIP ^{1/}

Center Tributary, Sand Creek, Reach 6 (Contd)

Cross-Section Number	Stationing: from Mouth: Feet	Identification	Existing Conditions ^{2/}			Projected Conditions ^{3/}	
			10-Year			10-Year	
			Stream Bed Elevation ft. M.S.L.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.	Flood Elevation ft. M.S.L.	Peak Discharge c.f.s.
C-040	109+40	Galley Road	6238.2	6243.3	400	6244.0	500
C-039	110+00		6239.2	6243.4	400	6243.9	500
C-030	122+60		6258.0	6260.2	300	6260.6	400
C-022	133+80		6293.0	6293.6	100	6294.3	300
C-021	136+00	Omaha Boulevard	6297.0	6300.4	100	6303.7	200
C-020	136+70		6297.0	6300.4	100	6302.2	100
C-015	139+70		6325.0	6325.8	100	6325.9	200
C-010	166+90		6369.0	6370.2	100	6370.3	200

^{1/} Flood elevations pertain only to streamflow in the main channel segment.^{2/} March 1972. ^{3/} Year 1990 level of development.