The following list of 24 hour rainfall values should be used for designing conservation practices in that county for the desired design storm.

COUNTY NAME	1 year	2 year	5 year	10 year	25 year	50 year	100 year
Adair	2.8	3.3	4.3	5.0	6.2	7.1	8.1
Andrew	2.8	3.4	4.4	5.1	6.1	7.0	8.0
Atchison	2.8	3.3	4.2	5.0	5.9	6.8	7.8
Audrain	2.9	3.4	4.4	5.1	5.8	6.6	7.4
Barry	3.3	4.0	5.1	5.9	6.2	7.0	7.8
Barton	3.2	3.9	5.0	5.7	6.9	8.0	9.1
Bates	3.1	3.6	4.8	5.5	6.6	7.6	8.6
Benton	3.1	3.6	4.7	5.4	6.3	7.3	8.3
Bollinger	3.1	3.7	4.5	5.2	6.4	7.4	8.4
Boone	3.0	3.5	4.5	5.2	5.8	6.6	7.5
Buchanan	2.9	3.4	4.4	5.2	6.2	7.1	8.1
Butler	3.2	3.8	4.7	5.4	6.6	7.6	8.7
Caldwell	2.9	3.4	4.5	5.1	6.3	7.3	8.3
Callaway	3.0	3.5	4.5	5.1	5.7	6.5	7.4
Camden	3.1	3.6	4.7	5.4	6.0	6.8	7.7
Cape Girardeau	3.1	3.7	4.5	5.1	6.4	7.4	8.4
Carroll	2.9	3.4	4.5	5.2	6.0	7.0	7.9
Carter	3.2	3.7	4.7	5.4	6.4	7.3	8.3
Cass	3.0	3.6	4.7	5.4	6.7	7.8	8.9
Cedar	3.1	3.8	4.9	5.6	6.5	7.4	8.5
Chariton	2.9	3.4	4.5	5.1	6.0	6.9	7.9
Christian	3.2	3.9	5.0	5.7	5.9	6.6	7.4
Clark	2.8	3.3	4.2	4.9	5.8	6.7	7.6
Clay	2.9	3.5	4.5	5.2	6.6	7.6	8.6
Clinton	2.9	3.4	4.5	5.2	6.3	7.3	8.3
Cole	3.0	3.5	4.5	5.3	5.8	6.6	7.5
Cooper	3.0	3.5	4.6	5.3	5.9	6.7	7.6
Crawford	3.1	3.6	4.6	5.3	5.7	6.5	7.4
Dade	3.2	3.8	5.0	5.7	6.6	7.5	8.5
Dallas	3.1	3.7	4.8	5.6	6.0	6.8	7.6
Daviess	2.9	3.4	4.4	5.1	6.2	7.2	8.2

COUNTY NAME	1 year	2 year	5 year	10 year	25 year	50 year	100 year
DeKalb	2.9	3.4	4.4	5.1	6.3	7.2	8.3
Dent	3.1	3.7	4.6	5.4	5.6	6.4	7.2
Douglas	3.2	3.8	4.9	5.6	5.8	6.4	7.1
Dunklin	3.2	3.8	4.7	5.4	6.6	7.5	8.4
Franklin	3.0	3.5	4.5	5.1	5.9	6.8	7.8
Gasconade	3.0	3.5	4.5	5.2	5.9	6.8	7.7
Gentry	2.8	3.4	4.4	5.0	6.0	7.0	8.0
Greene	3.2	3.8	4.9	5.7	6.1	6.9	7.7
Grundy	2.9	3.4	4.4	5.0	6.1	7.0	8.1
Harrison	2.8	3.3	4.3	5.0	6.1	7.1	8.1
Henry	3.0	3.6	4.7	5.5	6.5	7.5	8.6
Hickory	3.1	3.7	4.8	5.5	6.2	7.1	8.0
Holt	2.8	3.4	4.3	5.0	6.0	6.9	7.9
Howard	3.0	3.4	4.5	5.2	5.7	6.6	7.5
Howell	3.2	3.8	4.8	5.6	6.1	6.8	7.6
Iron	3.1	3.6	4.6	5.3	6.1	6.9	7.7
Jackson	3.0	3.5	4.6	5.3	6.9	8.0	9.1
Jasper	3.2	3.9	5.0	5.8	6.8	7.8	8.8
Jefferson	3.0	3.6	4.4	5.1	5.8	6.7	7.7
Johnson	3.0	3.5	4.6	5.4	6.6	7.6	8.7
Knox	2.8	3.3	4.3	4.9	6.1	7.0	8.0
Laclede	3.1	3.7	4.8	5.5	5.8	6.5	7.3
Lafayette	3.0	3.5	4.6	5.3	6.4	7.4	8.5
Lawrence	3.2	3.9	5.0	5.8	6.5	7.4	8.3
Lewis	2.8	3.3	4.3	4.9	5.7	6.5	7.3
Lincoln	2.9	3.5	4.4	5.0	5.3	6.1	6.9
Linn	2.9	3.4	4.4	5.0	6.1	7.0	8.0
Livingston	2.9	3.4	4.4	5.1	6.1	7.0	8.0
Macon	2.9	3.4	4.4	5.0	6.1	7.0	8.0
Madison	3.1	3.7	4.5	5.2	6.2	7.1	8.0
Maries	3.1	3.6	4.6	5.3	5.7	6.5	7.4
Marion	2.9	3.4	4.3	4.9	5.5	6.2	6.9
McDonald	3.2	4.0	5.1	6.0	6.4	7.2	8.1
Mercer	2.8	3.3	4.3	5.0	6.1	7.1	8.2

COUNTY NAME	1 year	2 year	5 year	10 year	25 year	50 year	100 year
Miller	3.1	3.6	4.7	5.4	5.8	6.7	7.6
Mississippi	3.1	3.7	4.5	5.1	6.5	7.3	8.2
Moniteau	3.0	3.5	4.6	5.3	5.8	6.7	7.6
Monroe	2.9	3.4	4.4	5.0	5.8	6.6	7.4
Montgomery	2.9	3.5	4.4	5.1	5.7	6.5	7.3
Morgan	3.0	3.5	4.6	5.3	6.1	7.0	7.9
New Madrid	3.2	3.8	4.6	5.3	6.6	7.5	8.4
Newton	3.2	4.0	5.1	5.9	6.6	7.5	8.4
Nodaway	2.8	3.3	4.3	5.0	5.9	6.8	7.7
Oregon	3.2	3.8	4.8	5.5	6.3	7.1	8.0
Osage	3.0	3.5	4.5	5.2	5.8	6.6	7.5
Ozark	3.3	3.8	4.9	5.7	5.9	6.6	7.3
Pemiscot	3.2	3.8	4.6	5.4	6.5	7.3	8.2
Perry	3.0	3.6	4.4	5.1	6.0	6.9	7.8
Pettis	3.0	3.5	4.6	5.3	6.3	7.2	8.2
Phelps	3.1	3.6	4.6	5.3	5.5	6.3	7.2
Pike	2.9	3.4	4.3	5.0	5.3	5.9	6.6
Platte	2.9	3.5	4.5	5.2	6.4	7.4	8.4
Polk	3.1	3.8	4.9	5.6	6.2	7.1	8.0
Pulaski	3.1	3.6	4.7	5.4	5.6	6.4	7.3
Putnam	2.8	3.3	4.3	4.9	6.1	7.1	8.2
Ralls	2.9	3.4	4.3	5.0	5.4	6.1	6.8
Randolph	2.9	3.4	4.4	5.1	6.0	6.9	7.8
Ray	2.9	3.5	4.5	5.2	6.5	7.5	8.6
Reynolds	3.1	3.7	4.6	5.3	6.1	6.9	7.7
Ripley	3.2	3.8	4.7	5.5	6.5	7.4	8.4
Saline	3.0	3.4	4.5	5.2	6.0	6.9	7.9
Schuyler	2.8	3.3	4.3	4.9	6.1	7.1	8.1
Scotland	2.8	3.3	4.3	4.9	6.1	7.0	8.0
Scott	3.1	3.7	4.5	5.1	6.5	7.4	8.4
Shannon	3.2	3.7	4.7	5.4	6.0	6.8	7.5
Shelby	2.9	3.4	4.3	5.0	5.9	6.8	7.6
St. Charles	3.0	3.5	4.4	5.0	5.6	6.5	7.4
St. Clair	3.1	3.7	4.8	5.5	6.5	7.4	8.4

COUNTY NAME	1 year	2 year	5 year	10 year	25 year	50 year	100 year
St. Francois	3.1	3.6	4.5	5.2	5.9	6.7	7.6
St. Louis	3.0	3.5	4.4	5.0	5.7	6.6	7.6
St. Louis City	3.0	3.5	4.4	5.0	5.7	6.6	7.6
Ste. Genevieve	3.0	3.6	4.4	5.1	5.9	6.7	7.5
Stoddard	3.1	3.7	4.6	5.3	6.6	7.6	8.6
Stone	3.3	3.9	5.0	5.8	5.9	6.7	7.5
Sullivan	2.8	3.3	4.3	5.0	6.1	7.1	8.1
Taney	3.3	3.9	5.0	5.8	5.8	6.5	7.2
Texas	3.2	3.7	4.7	5.5	5.6	6.3	7.0
Vernon	3.1	3.7	4.9	5.6	6.7	7.8	8.8
Warren	3.0	3.5	4.4	5.1	5.7	6.6	7.6
Washington	3.1	3.6	4.5	5.2	5.8	6.6	7.4
Wayne	3.1	3.7	4.6	5.3	6.5	7.5	8.5
Webster	3.2	3.8	4.9	5.6	5.9	6.6	7.3
Worth	2.8	3.3	4.3	5.0	5.9	6.8	7.8
Wright	3.2	3.7	4.8	5.6	5.7	6.4	7.0

RUNOFF CURVE NUMBERS FOR HYDROLOGIC SOIL-COVER COMPLEXES

Land Use	Cover: Treatment or practice	Cover: Hydrologic condition 1/	Hydrologic soil group A	B	C	D
Row crops	Straight row	Poor	72	81	88	91
	" "	Good	67	78	85	89
	Contoured	Poor	70	79	84	88
	"	Good	65	75	82	86
	Contoured & terraced	Poor	66	74	80	82
	" " "	Good	62	71	78	81
Small grain	Straight row	Poor	65	76	84	88
	" "	Good	63	75	83	87
	Contoured	Poor	63	74	82	85
	"	Good	61	73	81	84
	Contoured & terraced	Poor	61	72	79	82
	" " "	Good	59	70	78	81
Close-seeded legumes or rotation meadow	Straight row	Poor	66	77	85	89
	" "	Good	58	72	81	85
	Contoured	Poor	64	75	83	85
	"	Good	55	69	78	83
	Contoured & terraced	Poor	63	73	80	83
	" " "	Good	51	67	76	80
Pasture or range		Poor	68	79	86	89
		Fair	49	69	79	84
		Good	39	61	74	80
	Contoured	Poor	47	67	81	88
	"	Fair	25	59	75	83
	"	Good	6	35	70	79
Meadow		Good	30	58	71	78
Woods		Poor	45	66	77	83
		Fair	36	60	73	79
		Good	25	55	70	77
Farmsteads		----	59	74	82	86
Open Spaces, Lawns, parks, golf courses, cemeteries, etc.						
good condition: grass cover on 75% or more of the area			39	61	74	80
fair condition: grass cover on 50% to 75% of the area			49	69	79	84

Cover		Hydrologic soil group			
		A	B	C	D
Commercial and business areas (85% impervious)		89	92	94	95
Industrial districts (72% impervious)		81	88	91	93
Residential: 2/					
Average lot size	Average % Impervious 3/				
1/8 acre or less	65	77	85	90	92
1/4 acre	38	61	75	83	87
1/3 acre	30	57	72	81	86
1/2 acre	25	54	70	80	85
1 acre	20	51	68	79	84
Paved parking lots, roofs, driveways, etc.		98	98	98	98
Streets and roads:					
paved with curbs and storm sewers		98	98	98	98
gravel		76	85	89	91
dirt		72	82	87	89

1/ Hydrologic condition of cover rated good or poor.
Examples:

Poor - Continuous row crops, continuous small grain or combinations or row crops and small grain; native pasture or range heavily grazed, no mulch or plant cover on less than 1/2 the area; woods heavily grazed, litter, small trees and brush are destroyed.

Good - Rotations containing grass or legumes to improve soil tilth; native pasture or range lightly grazed, plant cover on more than 3/4 the area; woods protected from burning and grazing, litter and shrubs cover soil.

2/ Curve numbers are computed assuming the runoff from the house and driveway is directed towards the street with a minimum of roof water directed to lawns where additional infiltration could occur.

3/ The remaining pervious areas (lawn) are considered to be in good pasture condition for these curve numbers.

RUNOFF FOR INCHES OF RAINFALL

	Inches \ Tenths	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
CURVE 70	0										0.00
	1	0.00	0.01	0.03	0.04	0.06	0.08	0.11	0.14	0.17	0.20
	2	0.24	0.28	0.32	0.36	0.41	0.46	0.50	0.56	0.61	0.66
	3	0.72	0.77	0.83	0.89	0.95	1.01	1.07	1.14	1.20	1.27
	4	1.33	1.40	1.47	1.54	1.61	1.68	1.75	1.82	1.89	1.96
	5	2.04	2.11	2.19	2.26	2.34	2.42	2.49	2.57	2.65	2.73
	6	2.81	2.89	2.97	3.05	3.13	3.21	3.29	3.37	3.46	3.54
	7	3.62	3.70	3.79	3.87	3.96	4.04	4.13	4.21	4.30	4.38
	8	4.47	4.55	4.64	4.73	4.81	4.90	4.99	5.07	5.16	5.25
CURVE 71	0										0.00
	1	0.01	0.02	0.03	0.05	0.07	0.10	0.13	0.16	0.19	0.23
	2	0.27	0.31	0.35	0.40	0.44	0.49	0.54	0.60	0.65	0.70
	3	0.76	0.82	0.88	0.94	1.00	1.07	1.13	1.19	1.26	1.33
	4	1.40	1.46	1.53	1.60	1.68	1.75	1.82	1.89	1.97	2.04
	5	2.12	2.19	2.27	2.35	2.43	2.50	2.58	2.66	2.74	2.82
	6	2.90	2.98	3.06	3.14	3.23	3.31	3.39	3.47	3.56	3.64
	7	3.73	3.81	3.89	3.98	4.06	4.15	4.24	4.32	4.41	4.50
	8	4.58	4.67	4.76	4.84	4.93	5.02	5.11	5.20	5.28	5.37
CURVE 72	0									0.00	0.00
	1	0.01	0.02	0.04	0.06	0.09	0.11	0.14	0.18	0.21	0.25
	2	0.29	0.34	0.38	0.43	0.48	0.53	0.58	0.64	0.69	0.75
	3	0.81	0.87	0.93	0.99	1.06	1.12	1.19	1.25	1.32	1.39
	4	1.46	1.53	1.60	1.67	1.75	1.82	1.89	1.97	2.04	2.12
	5	2.20	2.27	2.35	2.43	2.51	2.59	2.67	2.75	2.83	2.91
	6	2.99	3.07	3.16	3.24	3.32	3.41	3.49	3.57	3.66	3.74
	7	3.83	3.91	4.00	4.09	4.17	4.26	4.34	4.43	4.52	4.61
	8	4.69	4.78	4.87	4.96	5.05	5.14	5.22	5.31	5.40	5.49

RUNOFF FOR INCHES OF RAINFALL

Inches \ Tenths	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	
0									0.00	0.01	CURVE 73
1	0.02	0.03	0.05	0.07	0.10	0.13	0.16	0.20	0.24	0.28	
2	0.32	0.37	0.41	0.46	0.51	0.57	0.62	0.68	0.74	0.80	
3	0.86	0.92	0.98	1.05	1.11	1.18	1.25	1.32	1.39	1.46	
4	1.53	1.60	1.67	1.75	1.82	1.90	1.97	2.05	2.12	2.20	
5	2.28	2.36	2.44	2.52	2.60	2.68	2.76	2.84	2.92	3.01	
6	3.09	3.17	3.25	3.34	3.42	3.51	3.59	3.68	3.76	3.85	
7	3.93	4.02	4.11	4.19	4.28	4.37	4.46	4.54	4.63	4.72	
8	4.81	4.90	4.99	5.08	5.17	5.25	5.34	5.43	5.52	5.61	
0									0.00	0.01	CURVE 74
1	0.02	0.04	0.06	0.09	0.12	0.15	0.18	0.22	0.26	0.30	
2	0.35	0.40	0.45	0.50	0.55	0.61	0.67	0.72	0.78	0.85	
3	0.91	0.97	1.04	1.11	1.17	1.24	1.31	1.38	1.45	1.52	
4	1.60	1.67	1.75	1.82	1.90	1.97	2.05	2.13	2.21	2.29	
5	2.37	2.45	2.53	2.61	2.69	2.77	2.85	2.94	3.02	3.10	
6	3.19	3.27	3.36	3.44	3.53	3.61	3.70	3.78	3.87	3.96	
7	4.04	4.13	4.22	4.31	4.39	4.48	4.57	4.66	4.75	4.84	
8	4.93	5.02	5.11	5.20	5.29	5.38	5.47	5.56	5.65	5.74	
0								0.00	0.01	0.02	CURVE 75
1	0.03	0.05	0.07	0.10	0.13	0.17	0.20	0.24	0.29	0.33	
2	0.38	0.43	0.48	0.54	0.59	0.65	0.71	0.77	0.83	0.90	
3	0.96	1.03	1.10	1.16	1.23	1.30	1.37	1.45	1.52	1.59	
4	1.67	1.74	1.82	1.90	1.97	2.05	2.13	2.21	2.29	2.37	
5	2.45	2.53	2.61	2.70	2.78	2.86	2.95	3.03	3.11	3.20	
6	3.28	3.37	3.46	3.54	3.63	3.71	3.80	3.89	3.98	4.06	
7	4.15	4.24	4.33	4.42	4.51	4.59	4.68	4.77	4.86	4.95	
8	5.04	5.13	5.22	5.32	5.41	5.50	5.59	5.68	5.77	5.86	

RUNOFF FOR INCHES OF RAINFALL

	Inches \ Tenths	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
CURVE 76	0								0.00	0.01	0.02
	1	0.04	0.06	0.09	0.12	0.15	0.19	0.23	0.27	0.32	0.36
	2	0.41	0.47	0.52	0.58	0.63	0.69	0.76	0.82	0.88	0.95
	3	1.01	1.08	1.15	1.22	1.29	1.36	1.44	1.51	1.59	1.66
	4	1.74	1.81	1.89	1.97	2.05	2.13	2.21	2.29	2.37	2.45
	5	2.53	2.62	2.70	2.78	2.87	2.95	3.04	3.12	3.21	3.29
	6	3.38	3.47	3.55	3.64	3.73	3.81	3.90	3.99	4.08	4.17
	7	4.26	4.35	4.43	4.52	4.61	4.70	4.79	4.88	4.97	5.07
	8	5.16	5.25	5.34	5.43	5.52	5.61	5.71	5.80	5.89	5.98
CURVE 77	0							0.00	0.00	0.01	0.03
	1	0.05	0.07	0.10	0.13	0.17	0.21	0.25	0.30	0.34	0.39
	2	0.45	0.50	0.56	0.62	0.68	0.74	0.80	0.87	0.93	1.00
	3	1.07	1.14	1.21	1.28	1.36	1.43	1.50	1.58	1.66	1.73
	4	1.81	1.89	1.97	2.05	2.13	2.21	2.29	2.37	2.46	2.54
	5	2.62	2.71	2.79	2.87	2.96	3.04	3.13	3.22	3.30	3.39
	6	3.48	3.56	3.65	3.74	3.83	3.92	4.01	4.10	4.18	4.27
	7	4.36	4.45	4.54	4.63	4.72	4.82	4.91	5.00	5.09	5.18
	8	5.27	5.36	5.46	5.55	5.64	5.73	5.83	5.92	6.01	6.10
CURVE 78	0							0.00	0.01	0.02	0.04
	1	0.06	0.09	0.12	0.15	0.19	0.23	0.28	0.33	0.38	0.43
	2	0.48	0.54	0.60	0.66	0.72	0.79	0.85	0.92	0.99	1.06
	3	1.13	1.20	1.27	1.35	1.42	1.50	1.57	1.65	1.73	1.81
	4	1.89	1.97	2.05	2.13	2.21	2.29	2.38	2.46	2.54	2.63
	5	2.71	2.80	2.88	2.97	3.05	3.14	3.23	3.32	3.40	3.49
	6	3.58	3.67	3.76	3.85	3.93	4.02	4.11	4.20	4.29	4.38
	7	4.48	4.57	4.66	4.75	4.84	4.93	5.02	5.11	5.21	5.30
	8	5.39	5.48	5.58	5.67	5.76	5.86	5.95	6.04	6.14	6.23

RUNOFF FOR INCHES OF RAINFALL

Inches \ Tenths	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	
0							0.00	0.01	0.02	0.04	CURVE 79
1	0.07	0.10	0.13	0.17	0.21	0.26	0.31	0.36	0.41	0.46	
2	0.52	0.58	0.64	0.71	0.77	0.84	0.90	0.97	1.04	1.12	
3	1.19	1.26	1.34	1.41	1.49	1.57	1.64	1.72	1.80	1.88	
4	1.96	2.04	2.13	2.21	2.29	2.38	2.46	2.54	2.63	2.71	
5	2.80	2.89	2.97	3.06	3.15	3.24	3.32	3.41	3.50	3.59	
6	3.68	3.77	3.86	3.95	4.04	4.13	4.22	4.31	4.40	4.49	
7	4.58	4.67	4.77	4.86	4.95	5.04	5.14	5.23	5.32	5.41	
8	5.51	5.60	5.69	5.79	5.88	5.97	6.07	6.16	6.26	6.35	
0							0.00	0.01	0.03	0.06	CURVE 80
1	0.08	0.12	0.15	0.19	0.24	0.29	0.34	0.39	0.44	0.50	
2	0.56	0.62	0.69	0.75	0.82	0.89	0.96	1.03	1.10	1.18	
3	1.25	1.33	1.40	1.48	1.56	1.64	1.72	1.80	1.88	1.96	
4	2.04	2.12	2.21	2.29	2.38	2.46	2.55	2.63	2.72	2.81	
5	2.89	2.98	3.07	3.16	3.24	3.33	3.42	3.51	3.60	3.69	
6	3.78	3.87	3.96	4.05	4.14	4.24	4.33	4.42	4.51	4.60	
7	4.69	4.79	4.88	4.97	5.06	5.16	5.25	5.34	5.44	5.53	
8	5.62	5.72	5.81	5.91	6.00	6.10	6.19	6.28	6.38	6.47	
0						0.00	0.01	0.02	0.04	0.07	CURVE 81
1	0.10	0.13	0.17	0.22	0.27	0.32	0.37	0.42	0.48	0.54	
2	0.61	0.67	0.74	0.80	0.87	0.94	1.02	1.09	1.16	1.24	
3	1.32	1.39	1.47	1.55	1.63	1.71	1.79	1.87	1.96	2.04	
4	2.12	2.21	2.29	2.38	2.47	2.55	2.64	2.73	2.81	2.90	
5	2.99	3.08	3.17	3.26	3.34	3.43	3.52	3.62	3.71	3.80	
6	3.89	3.98	4.07	4.16	4.25	4.35	4.44	4.53	4.62	4.72	
7	4.81	4.90	5.00	5.09	5.18	5.28	5.37	5.46	5.56	5.65	
8	5.75	5.84	5.94	6.03	6.13	6.22	6.31	6.41	6.51	6.60	

RUNOFF FOR INCHES OF RAINFALL

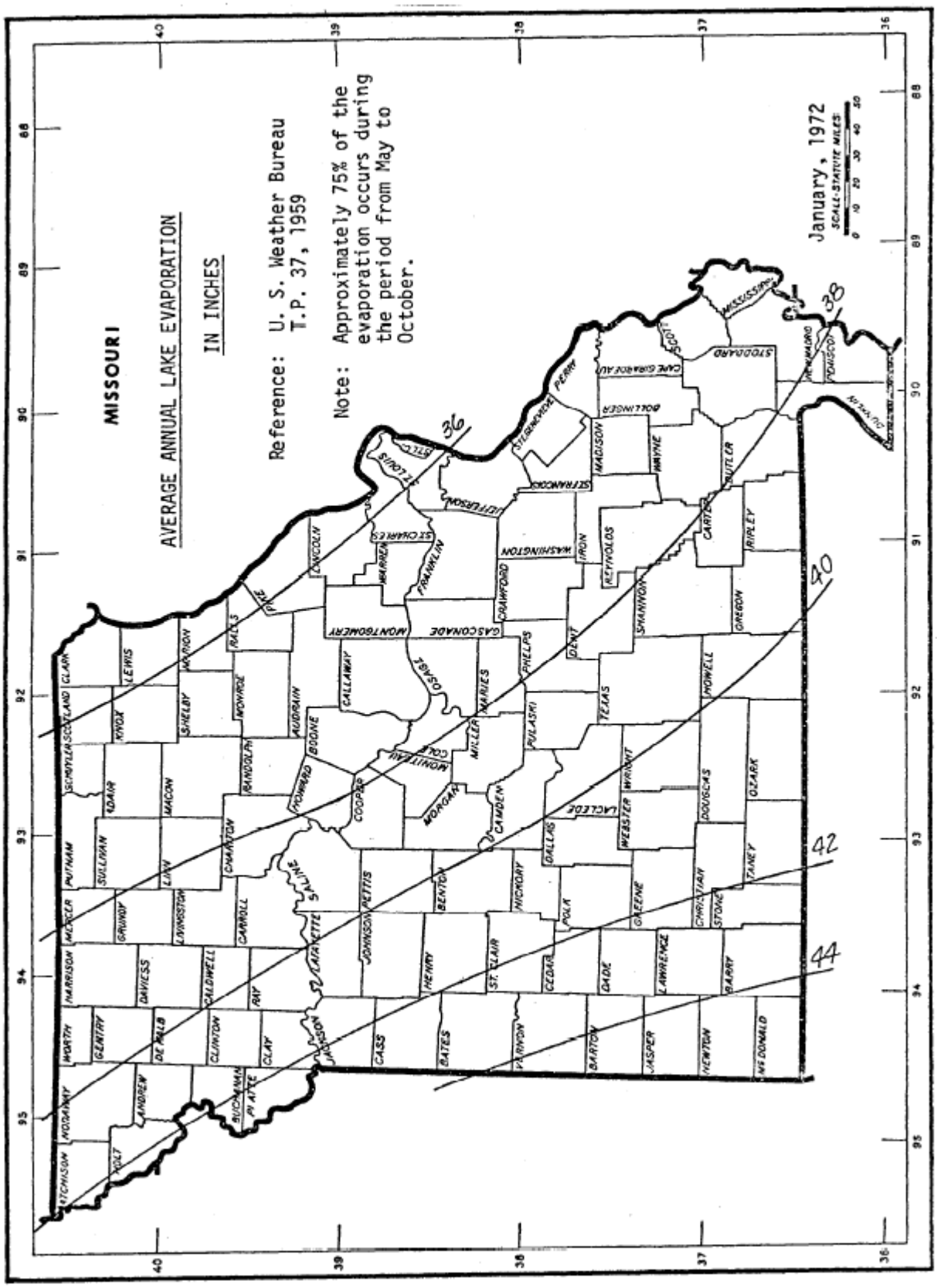
	Inches \ Tenths	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
CURVE 82	0						0.00	0.01	0.03	0.05	0.08
	1	0.11	0.15	0.20	0.24	0.29	0.34	0.40	0.46	0.52	0.58
	2	0.65	0.71	0.78	0.85	0.92	1.00	1.07	1.15	1.22	1.30
	3	1.38	1.46	1.54	1.62	1.70	1.78	1.86	1.95	2.03	2.12
	4	2.20	2.29	2.37	2.46	2.55	2.63	2.72	2.81	2.90	2.99
	5	3.08	3.17	3.26	3.35	3.44	3.53	3.62	3.71	3.80	3.89
	6	3.98	4.08	4.17	4.26	4.35	4.45	4.54	4.63	4.73	4.82
	7	4.91	5.01	5.10	5.19	5.29	5.38	5.48	5.57	5.67	5.76
	8	5.86	5.95	6.05	6.14	6.24	6.33	6.43	6.52	6.62	6.71
CURVE 83	0						0.00	0.02	0.04	0.06	0.09
	1	0.13	0.17	0.22	0.27	0.32	0.38	0.44	0.50	0.56	0.63
	2	0.69	0.76	0.83	0.91	0.98	1.06	1.13	1.21	1.29	1.37
	3	1.45	1.53	1.61	1.69	1.77	1.86	1.94	2.03	2.11	2.20
	4	2.29	2.37	2.46	2.55	2.64	2.72	2.81	2.90	2.99	3.08
	5	3.17	3.26	3.35	3.45	3.54	3.63	3.72	3.81	3.90	4.00
	6	4.09	4.18	4.28	4.37	4.46	4.56	4.65	4.74	4.84	4.93
	7	5.03	5.12	5.22	5.31	5.40	5.50	5.59	5.69	5.79	5.88
	8	5.98	6.07	6.17	6.26	6.36	6.45	6.55	6.65	6.74	6.84
CURVE 84	0					0.00	0.01	0.02	0.05	0.08	0.11
	1	0.15	0.20	0.25	0.30	0.36	0.42	0.48	0.54	0.61	0.68
	2	0.75	0.82	0.89	0.97	1.04	1.12	1.20	1.28	1.36	1.44
	3	1.52	1.60	1.68	1.77	1.85	1.94	2.03	2.11	2.20	2.29
	4	2.37	2.46	2.55	2.64	2.73	2.82	2.91	3.00	3.09	3.18
	5	3.27	3.37	3.46	3.55	3.64	3.73	3.83	3.92	4.01	4.11
	6	4.20	4.29	4.39	4.48	4.58	4.67	4.76	4.86	4.95	5.05
	7	5.14	5.24	5.33	5.43	5.52	5.62	5.72	5.81	5.91	6.00
	8	6.10	6.20	6.29	6.39	6.48	6.58	6.68	6.77	6.87	6.97

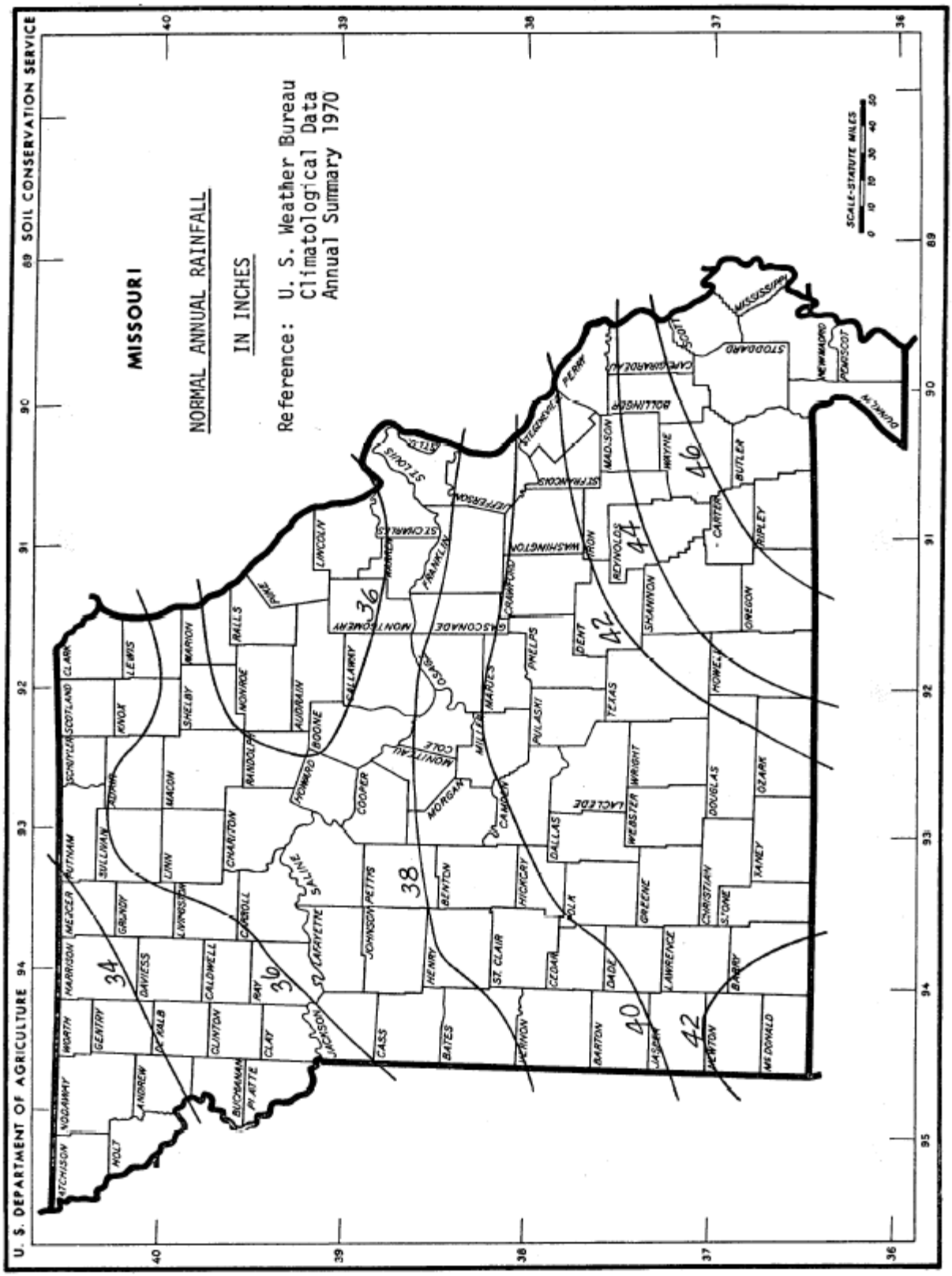
RUNOFF FOR INCHES OF RAINFALL

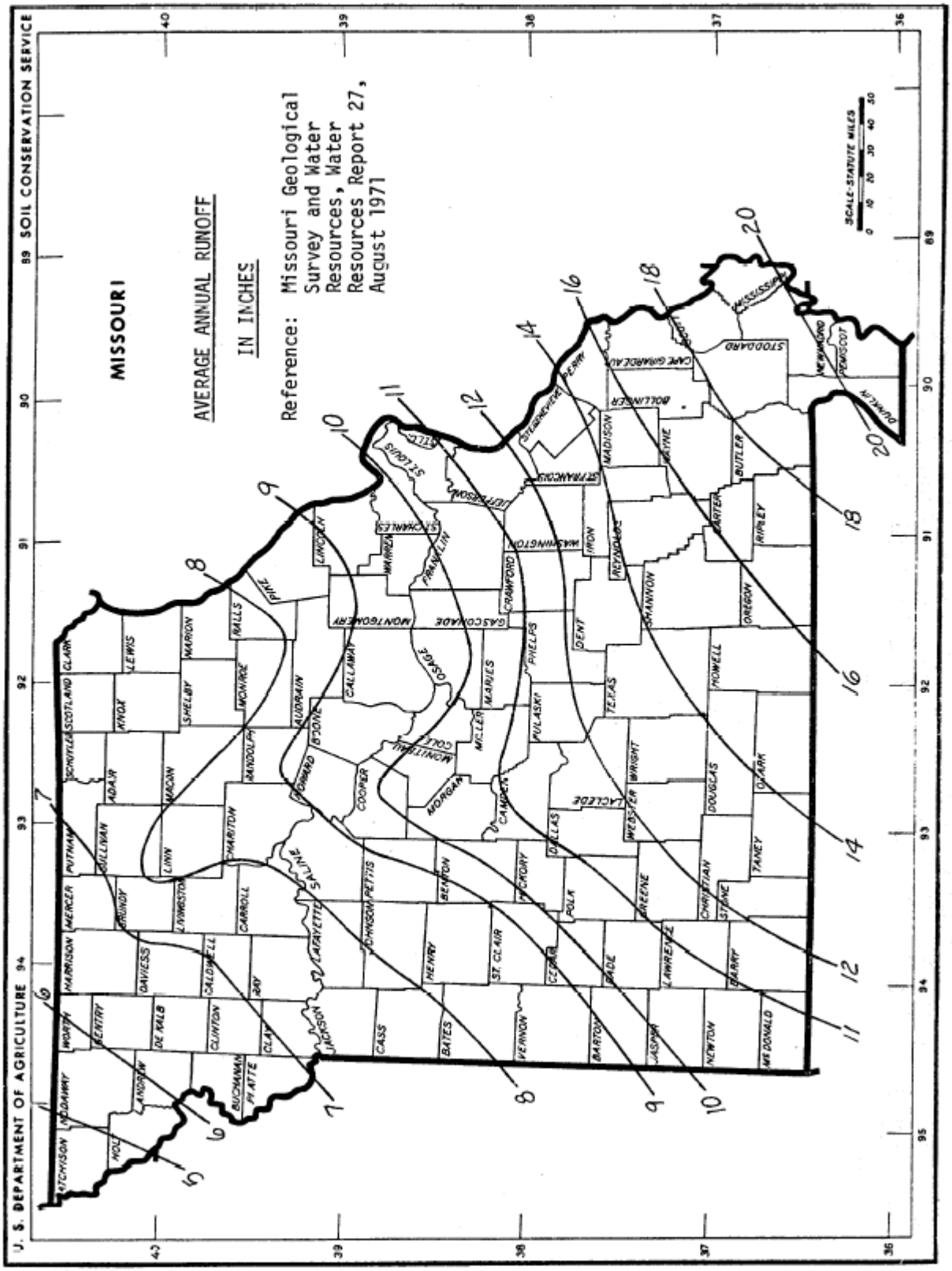
Inches \ Tenths	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	
0					0.00	0.01	0.03	0.06	0.09	0.13	CURVE
1	0.17	0.22	0.28	0.33	0.39	0.45	0.52	0.58	0.65	0.72	85
2	0.80	0.87	0.95	1.02	1.10	1.18	1.26	1.34	1.42	1.51	
3	1.59	1.68	1.76	1.85	1.93	2.02	2.11	2.19	2.28	2.37	
4	2.46	2.55	2.64	2.73	2.82	2.91	3.00	3.10	3.19	3.28	
5	3.37	3.46	3.56	3.65	3.74	3.84	3.93	4.02	4.12	4.21	
6	4.31	4.40	4.50	4.59	4.68	4.78	4.87	4.97	5.07	5.16	
7	5.26	5.35	5.45	5.54	5.64	5.74	5.83	5.93	6.02	6.12	
8	6.22	6.31	6.41	6.51	6.60	6.70	6.80	6.89	6.99	7.09	
0					0.00	0.02	0.04	0.07	0.11	0.15	CURVE
1	0.20	0.25	0.31	0.36	0.43	0.49	0.56	0.63	0.70	0.77	86
2	0.85	0.92	1.00	1.08	1.16	1.24	1.32	1.41	1.49	1.58	
3	1.66	1.75	1.83	1.92	2.01	2.10	2.19	2.27	2.36	2.45	
4	2.54	2.64	2.73	2.82	2.91	3.00	3.09	3.19	3.28	3.37	
5	3.47	3.56	3.65	3.75	3.84	3.93	4.03	4.12	4.22	4.31	
6	4.41	4.50	4.60	4.69	4.79	4.88	4.98	5.08	5.17	5.27	
7	5.36	5.46	5.56	5.65	5.75	5.85	5.94	6.04	6.14	6.23	
8	6.33	6.43	6.52	6.62	6.72	6.81	6.91	7.01	7.11	7.20	
0				0.00	0.01	0.02	0.05	0.09	0.13	0.17	CURV
1	0.22	0.28	0.34	0.40	0.47	0.54	0.61	0.68	0.75	0.83	87
2	0.91	0.99	1.07	1.15	1.23	1.31	1.40	1.48	1.57	1.65	
3	1.74	1.83	1.92	2.01	2.10	2.19	2.28	2.37	2.46	2.55	
4	2.64	2.73	2.82	2.92	3.01	3.10	3.20	3.29	3.38	3.48	
5	3.57	3.66	3.76	3.85	3.95	4.04	4.14	4.23	4.33	4.43	
6	4.52	4.62	4.71	4.81	4.90	5.00	5.10	5.19	5.29	5.39	
7	5.48	5.58	5.68	5.77	5.87	5.97	6.06	6.16	6.26	6.36	
8	6.45	6.55	6.65	6.75	6.84	6.94	7.04	7.14	7.23	7.33	

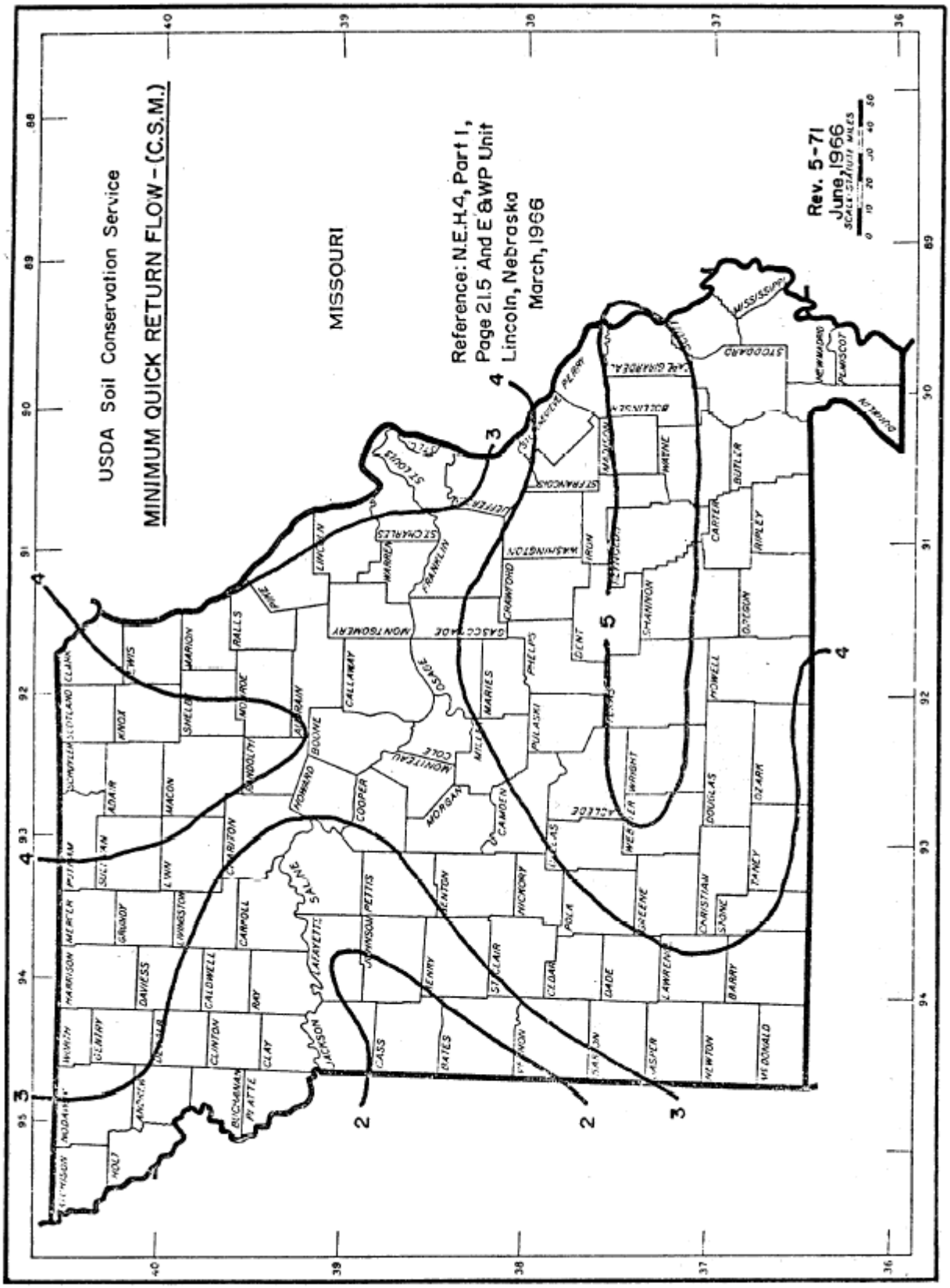
RUNOFF FOR INCHES OF RAINFALL

	Inches \ Tenths	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
CURVE 88	0				0.00	0.01	0.03	0.06	0.10	0.15	0.20
	1	0.25	0.31	0.38	0.44	0.51	0.58	0.66	0.73	0.81	0.89
	2	0.97	1.05	1.13	1.21	1.30	1.38	1.47	1.56	1.64	1.73
	3	1.82	1.91	2.00	2.09	2.18	2.27	2.36	2.45	2.55	2.64
	4	2.73	2.82	2.92	3.01	3.11	3.20	3.29	3.39	3.48	3.58
	5	3.67	3.77	3.86	3.96	4.05	4.15	4.24	4.34	4.44	4.53
	6	4.63	4.73	4.82	4.92	5.02	5.11	5.21	5.31	5.40	5.50
	7	5.60	5.69	5.79	5.89	5.99	6.08	6.18	6.28	6.38	6.47
	8	6.57	6.67	6.77	6.87	6.96	7.06	7.16	7.26	7.36	7.45
CURVE 89	0				0.00	0.02	0.04	0.08	0.12	0.17	0.22
	1	0.28	0.35	0.41	0.48	0.55	0.63	0.71	0.78	0.86	0.94
	2	1.03	1.11	1.19	1.28	1.37	1.45	1.54	1.63	1.72	1.81
	3	1.90	1.99	2.08	2.17	2.26	2.35	2.45	2.54	2.63	2.73
	4	2.82	2.91	3.01	3.10	3.20	3.29	3.39	3.48	3.58	3.67
	5	3.77	3.86	3.96	4.06	4.15	4.25	4.35	4.44	4.54	4.64
	6	4.73	4.83	4.93	5.02	5.12	5.22	5.31	5.41	5.51	5.61
	7	5.70	5.80	5.90	6.00	6.10	6.19	6.29	6.39	6.49	6.58
	8	6.68	6.78	6.88	6.98	7.08	7.17	7.27	7.37	7.47	7.57
CURVE 90	0				0.01	0.02	0.06	0.10	0.14	0.20	0.26
	1	0.32	0.39	0.46	0.53	0.61	0.68	0.76	0.84	0.93	1.01
	2	1.09	1.18	1.27	1.35	1.44	1.53	1.62	1.71	1.80	1.89
	3	1.98	2.08	2.17	2.26	2.36	2.45	2.54	2.64	2.73	2.83
	4	2.92	3.02	3.11	3.21	3.30	3.40	3.49	3.59	3.68	3.78
	5	3.88	3.97	4.07	4.17	4.26	4.36	4.46	4.56	4.65	4.75
	6	4.85	4.94	5.04	5.14	5.24	5.33	5.43	5.53	5.63	5.73
	7	5.82	5.92	6.02	6.12	6.22	6.31	6.41	6.51	6.61	6.71
	8	6.81	6.91	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.69


MISSOURI
AVERAGE ANNUAL LAKE EVAPORATION
IN INCHES
Reference: U. S. Weather Bureau T.P. 37, 1959
Note: Approximately 75% of the evaporation occurs during the period from May to October.
January, 1972
SCALE-STATUTE MILES
36
38
40
42
44


U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
MISSOURI
NORMAL ANNUAL RAINFALL
IN INCHES
Reference: U. S. Weather Bureau
Climatological Data
Annual Summary 1970
SCALE-STATUTE MILES
0 10 20 30 40 50
34
36
38
40
42
44
46


U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
MISSOURI
AVERAGE ANNUAL RUNOFF
IN INCHES
Reference: Missouri Geological Survey and Water Resources, Water Resources Report 27, August 1971
SCALE-STATUTE MILES
0 10 20 30 40 50
6
7
8
9
10
11
12
14
16
18
20


USDA Soil Conservation Service
MINIMUM QUICK RETURN FLOW - (C.S.M.)
MISSOURI
Reference: N.E.H.4, Part I, Page 21.5 And E&WP Unit Lincoln, Nebraska March, 1966
Rev. 5-71 June, 1966
SCALE: STATUTE MILES
0 10 20 30 40 50
2
3
4
5

Unit peak discharge (q_u) for SCS [NRCS] Type II rainfall distribution
(Ref. Pg. 2-13, Engineering Field Handbook, Chapter 2)

T_c (hrs)	I_a/P 0.10	0.30	0.35	0.40	0.45	0.50
0.1	1.59	1.46	1.40	1.26	1.08	0.84
0.2	1.25	1.09	1.00	0.89	0.75	0.58
0.3	1.06	0.90	0.82	0.72	0.60	0.46
0.4	0.93	0.78	0.70	0.61	0.52	0.40
0.5	0.83	0.69	0.62	0.54	0.45	0.36
0.6	0.75	0.62	0.56	0.48	0.41	0.32
0.7	0.68	0.56	0.51	0.44	0.37	0.30
0.8	0.64	0.52	0.47	0.41	0.35	0.28
0.9	0.60	0.48	0.44	0.39	0.33	0.26
1.0	0.56	0.46	0.41	0.36	0.31	0.25
1.5	0.44	0.35	0.32	0.29	0.25	0.20
2.0	0.35	0.29	0.26	0.24	0.21	0.18
2.5	0.30	0.25	0.23	0.21	0.18	0.16
3.0	0.26	0.22	0.20	0.18	0.16	0.14
3.5	0.23	0.20	0.18	0.17	0.15	0.13
4.0	0.21	0.17	0.16	0.15	0.14	0.12
4.5	0.19	0.16	0.15	0.14	0.13	0.12
5.0	0.17	0.15	0.14	0.13	0.12	0.11
5.5	0.16	0.14	0.13	0.12	0.11	0.11
6.0	0.15	0.13	0.12	0.11	0.11	0.10
6.5	0.14	0.12	0.11	0.11	0.10	0.09
7.0	0.13	0.11	0.11	0.10	0.10	0.09
7.5	0.12	0.11	0.10	0.10	0.09	0.09
8.0	0.11	0.10	0.10	0.09	0.09	0.09
8.5	0.11	0.10	0.09	0.09	0.09	0.09
9.0	0.10	0.09	0.09	0.09	0.08	0.08
9.5	0.10	0.09	0.08	0.08	0.08	0.08
10.0	0.09	0.09	0.08	0.08	0.08	0.08