

STORMWATER MANAGEMENT

160 Attachment 2

TABLE B-2
Runoff Curve Numbers
[From NRCS (SCS) TR-55]

Land Use	Hydrologic Condition	Runoff Curve Number for Indicated Hydrologic Soil Group			
		A	B	C	D
Open space:					
Poor condition (grass cover less than 50%)		68	79	86	89
Fair condition (grass cover 50% to 75%)		49	69	79	84
Good condition (grass cover greater than 75%)		39	61	74	80
Impervious areas:					
Paved parking lots, roof, driveways		98	98	98	98
Streets and roads:					
Paved; w/curbs and storm sewers		98	98	98	98
Paved; w/open ditches		83	89	92	93
Gravel		76	85	89	91
Dirt		72	82	87	89
Urban districts:					
Commercial and business		89	92	94	95
		81	88	91	93
Residential districts by average lot size:					
1/8 acre or less (townhouses)		77	85	90	92
1/4 acre		61	75	83	87
1/3 acre		57	72	81	86
1/2 acre		54	70	80	85
1 acre		51	68	79	84
2 acres		47	66	77	82
Newly graded areas (pervious area, no vegetation)		81	89	93	95
Agricultural lands:					
Fallow:					
Bare soil		77	86	91	94
Crop residue cover	Poor	76	85	90	93
Crop residue cover	Good	74	83	88	90
Pasture, grassland, or range	Poor	68	79	86	89
Pasture, grassland, or range	Fair	49	69	79	84
Pasture, grassland, or range	Good	39	61	74	80
Row crops:					
Straight row	Poor	72	81	88	91
Straight row	Good	67	78	85	89
Straight row and crop residue cover	Poor	71	80	87	90
Straight row and crop residue cover	Good	64	75	82	85
Contoured	Poor	70	79	84	88
Contoured	Good	65	75	82	86
Contoured and crop residue cover	Poor	69	78	83	87
Contoured and crop residue cover	Good	64	74	81	85

CHESTER HEIGHTS CODE

TABLE B 2
Runoff Curve Numbers
[From NRCS (SCS) TR-55]
(Cont'd)

Land Use	Hydrologic Condition	Runoff Curve Number for Indicated Hydrologic Soil Group			
		A	B	C	D
Agricultural lands (continued):					
Contoured and terraced	Poor	66	74	80	82
Contoured and terraced	Good	62	71	78	81
Contoured, terraced, and crop residue	Poor	65	73	79	81
Contoured, terraced, and crop residue	Good	61	70	77	80
Small grain:					
Straight row	Poor	65	76	84	88
Straight row	Good	63	75	83	87
Straight row and crop residue	Poor	64	75	83	86
Straight row and crop residue	Good	60	72	80	84
Contoured	Poor	63	74	80	85
Contoured	Good	61	73	81	84
Contoured and crop residue	Poor	62	73	81	84
Contoured and crop residue	Good	60	72	80	83
Contoured and terraced	Poor	61	72	79	82
Contoured and terraced	Good	59	70	78	81
Contoured, terraced, and crop residue	Poor	60	71	78	81
Contoured, terraced, and crop residue	Good	58	69	77	80
Meadow or legumes:					
Straight row	Poor	66	77	85	89
Straight row	Good	58	72	81	85
Contoured	Poor	64	75	83	85
Contoured	Good	55	69	78	83
Contoured and terraced	Poor	63	73	80	83
Contoured and terraced	Good	51	67	76	80
Meadow, continuous grass, protected from grazing and mowed for hay		30	58	71	78
Brush; brush/weed mixture					
	Poor	48	67	77	83
	Fair	35	56	70	77
	Good	30	48	65	73
Woods and grass combination (orchard)					
	Poor	57	73	82	86
	Fair	43	65	76	82
	Good	32	58	72	79
Woods					
	Poor	45	66	77	83
	Fair	36	60	73	79
	Good	30	55	70	77
Farmsteads: buildings, lanes, driveways, and surrounding lots		59	74	82	86

SOURCE: NRCS, June 1986. Urban Hydrology for Small Watersheds, Technical Release 55