

DRAFT: Average Lot Size per Septic System by Land Use Capability Zone
(assuming average groundwater recharge rates)

HUC14		Average GW Recharge (in/yr)	Carrying Capacity (acres/system) by Zone & Nitrate Target ¹		
#	Subwatershed Name		Protection Zone (0.72 mg/l)	Conservaton Zone (1.87 mg/l)	Existing Community Zone (2 mg/l)
02020007010010	Walkkill R/Lake Mohawk(above Sparta Sta)	13.5	18.1	7.0	6.5
02020007010020	Walkkill R (Ogdensburg to SpartaStation)	12.8	19.2	7.4	6.9
02020007010030	Franklin Pond Creek	12.3	19.9	7.7	7.2
02020007010040	Walkkill R(Hamburg SW Bdy to Ogdensburg)	15.4	16.0	6.1	5.7
02020007010050	Hardistonville tribs	12.4	19.8	7.6	7.1
02020007010060	Beaver Run	16.9	14.6	5.6	5.2
02020007010070	Walkkill R(Martins Rd to Hamburg SW Bdy)	15.0	16.3	6.3	5.9
02020007030010	Walkkill R(41d13m30s to Martins Road)	13.6	18.1	7.0	6.5
02020007030030	Walkkill River(Owens gage to 41d13m30s)	11.4	21.6	8.3	7.8
02020007030040	Walkkill River(stateline to Owens gage)	11.4	21.5	8.3	7.7
02020007040010	Black Ck(above/incl G.Gorge Resort trib)	12.8	19.2	7.4	6.9
02020007040020	Black Creek (below G. Gorge Resort trib)	13.9	17.7	6.8	6.4
02020007040030	Pochuck Ck/Glenwood Lk & northern trib	14.1	17.4	6.7	6.3
02020007040040	Highland Lake/Wawayanda Lake	12.9	19.1	7.4	6.9
02020007040050	Wawayanda Creek & tribs	14.4	17.0	6.6	6.1
02020007040060	Long House Creek/Upper Greenwood Lake	15.5	15.8	6.1	5.7
02030103010010	Passaic R Upr (above Osborn Mills)	17.0	14.5	5.6	5.2
02030103010020	Primrose Brook	17.4	14.1	5.4	5.1
02030103010030	Great Brook (above Green Village Rd)	14.7	16.7	6.4	6.0
02030103010040	Loantaka Brook	13.6	18.0	6.9	6.5
02030103010050	Great Brook (below Green Village Rd)	15.8	15.5	6.0	5.6
02030103010060	Black Brook (Great Swamp NWR)	15.1	16.3	6.3	5.9
02030103010070	Passaic R Upr (Dead R to Osborn Mills)	12.7	19.4	7.5	7.0
02030103010080	Dead River (above Harrisons Brook)	13.9	17.7	6.8	6.4
02030103010090	Harrisons Brook	12.5	19.6	7.5	7.0
02030103010100	Dead River (below Harrisons Brook)	10.0	24.6	9.5	8.9
02030103010180	Passaic R Upr (Pine Bk br to Rockaway)	2.8	87.7	33.8	31.6
02030103020010	Whippany R (above road at 74d 33m)	18.1	13.5	5.2	4.9

DRAFT: Average Lot Size per Septic System by Land Use Capability Zone
(assuming average groundwater recharge rates)

HUC14		Average GW Recharge (in/yr)	Carrying Capacity (acres/system) by Zone & Nitrate Target ¹		
#	Subwatershed Name		Protection Zone (0.72 mg/l)	Conservaton Zone (1.87 mg/l)	Existing Community Zone (2 mg/l)
02030103020020	Whippany R (Wash. Valley Rd to 74d 33m)	18.5	13.3	5.1	4.8
02030103020030	Greystone / Watnong Mtn tribs	15.3	16.0	6.2	5.8
02030103020040	Whippany R(Lk Pocahontas to Wash Val Rd)	14.7	16.7	6.4	6.0
02030103020050	Whippany R (Malapardis to Lk Pocahontas)	12.6	19.5	7.5	7.0
02030103020060	Malapardis Brook	11.2	22.0	8.5	7.9
02030103020070	Black Brook (Hanover)	12.6	19.5	7.5	7.0
02030103020080	Troy Brook (above Reynolds Ave)	12.1	20.3	7.8	7.3
02030103020090	Troy Brook (below Reynolds Ave)	11.5	21.4	8.2	7.7
02030103020100	Whippany R (Rockaway R to Malapardis Bk)	9.9	24.9	9.6	8.9
02030103030010	Russia Brook (above Milton)	14.9	16.4	6.3	5.9
02030103030020	Russia Brook (below Milton)	15.4	16.0	6.1	5.7
02030103030030	Rockaway R (above Longwood Lake outlet)	15.6	15.7	6.1	5.7
02030103030040	Rockaway R (Stephens Bk to Longwood Lk)	14.6	16.8	6.5	6.0
02030103030050	Green Pond Brook (above Burnt Meadow Bk)	15.7	15.7	6.0	5.6
02030103030060	Green Pond Brook (below Burnt Meadow Bk)	13.9	17.7	6.8	6.4
02030103030070	Rockaway R (74d 33m 30s to Stephens Bk)	15.3	16.1	6.2	5.8
02030103030080	Mill Brook (Morris Co)	16.1	15.2	5.9	5.5
02030103030090	Rockaway R (BM 534 brdg to 74d 33m 30s)	13.8	17.8	6.9	6.4
02030103030100	Hibernia Brook	15.4	16.0	6.1	5.7
02030103030110	Beaver Brook (Morris County)	14.7	16.7	6.4	6.0
02030103030120	Den Brook	15.6	15.7	6.1	5.7
02030103030130	Stony Brook (Boonton)	14.3	17.2	6.6	6.2
02030103030140	Rockaway R (Stony Brook to BM 534 brdg)	13.6	18.0	6.9	6.5
02030103030150	Rockaway R (Boonton dam to Stony Brook)	13.7	17.9	6.9	6.4
02030103030160	Montville tribs.	13.6	18.1	7.0	6.5
02030103030170	Rockaway R (Passaic R to Boonton dam)	11.8	20.8	8.0	7.5
02030103040010	Passaic R Upr (Pompton R to Pine Bk)	11.9	20.7	8.0	7.5
02030103050010	Pequannock R (above Stockholm/Vernon Rd)	13.0	19.0	7.3	6.8

DRAFT: Average Lot Size per Septic System by Land Use Capability Zone
(assuming average groundwater recharge rates)

HUC14		Average GW Recharge (in/yr)	Carrying Capacity (acres/system) by Zone & Nitrate Target ¹		
#	Subwatershed Name		Protection Zone (0.72 mg/l)	Conservaton Zone (1.87 mg/l)	Existing Community Zone (2 mg/l)
02030103050020	Pacock Brook	14.8	16.6	6.4	6.0
02030103050030	Pequannock R (above OakRidge Res outlet)	15.4	15.9	6.1	5.7
02030103050040	Clinton Reservoir/Mossmans Brook	16.2	15.1	5.8	5.4
02030103050050	Pequannock R (Charlotteburg to OakRidge)	17.5	14.1	5.4	5.1
02030103050060	Pequannock R(Macopin gage to Charl'brg)	16.5	14.9	5.7	5.4
02030103050070	Stone House Brook	13.4	18.3	7.0	6.6
02030103050080	Pequannock R (below Macopin gage)	13.8	17.8	6.8	6.4
02030103070010	Belcher Creek (above Pinecliff Lake)	16.4	15.0	5.8	5.4
02030103070020	Belcher Creek (Pinecliff Lake & below)	15.2	16.1	6.2	5.8
02030103070030	Wanaque R/Greenwood Lk(aboveMonks gage)	16.0	15.3	5.9	5.5
02030103070040	West Brook/Burnt Meadow Brook	15.8	15.5	6.0	5.6
02030103070050	Wanaque Reservoir (below Monks gage)	15.5	15.9	6.1	5.7
02030103070060	Meadow Brook/High Mountain Brook	14.4	17.1	6.6	6.1
02030103070070	Wanaque R/Posts Bk (below reservoir)	14.2	17.3	6.7	6.2
02030103100010	Ramapo R (above 74d 11m 00s)	15.9	15.4	5.9	5.5
02030103100020	Masonicus Brook	12.0	20.4	7.9	7.4
02030103100030	Ramapo R (above Fyke Bk to 74d 11m 00s)	15.1	16.2	6.2	5.8
02030103100040	Ramapo R (Bear Swamp Bk thru Fyke Bk)	16.7	14.7	5.7	5.3
02030103100050	Ramapo R (Crystal Lk br to BearSwamp Bk)	15.9	15.4	5.9	5.5
02030103100060	Crystal Lake/Pond Brook	13.2	18.5	7.1	6.7
02030103100070	Ramapo R (below Crystal Lake bridge)	13.9	17.7	6.8	6.4
02030103110010	Lincoln Park tribs (Pompton River)	13.6	18.0	6.9	6.5
02030103110020	Pompton River	12.7	19.3	7.4	6.9
02030103140010	Hohokus Bk (above Godwin Ave)	14.3	17.2	6.6	6.2
02030103140020	Hohokus Bk(Pennington Ave to Godwin Ave)	12.1	20.2	7.8	7.3
02030103140040	Saddle River (above Rt 17)	12.8	19.3	7.4	6.9
02030105010010	Drakes Brook (above Eyland Ave)	16.5	14.9	5.7	5.4
02030105010020	Drakes Brook (below Eyland Ave)	15.6	15.8	6.1	5.7

DRAFT: Average Lot Size per Septic System by Land Use Capability Zone
(assuming average groundwater recharge rates)

HUC14		Average GW Recharge (in/yr)	Carrying Capacity (acres/system) by Zone & Nitrate Target ¹		
#	Subwatershed Name		Protection Zone (0.72 mg/l)	Conservaton Zone (1.87 mg/l)	Existing Community Zone (2 mg/l)
02030105010030	Raritan River SB(above Rt 46)	16.9	14.6	5.6	5.2
02030105010040	Raritan River SB(74d 44m 15s to Rt 46)	16.8	14.6	5.6	5.3
02030105010050	Raritan R SB(LongValley br to 74d44m15s)	17.7	13.8	5.3	5.0
02030105010060	Raritan R SB(Califon br to Long Valley)	18.2	13.5	5.2	4.9
02030105010070	Raritan R SB(StoneMill gage to Califon)	18.9	13.0	5.0	4.7
02030105010080	Raritan R SB(Spruce Run-StoneMill gage)	16.2	15.2	5.8	5.5
02030105020010	Spruce Run (above Glen Gardner)	17.7	13.9	5.3	5.0
02030105020020	Spruce Run (Reservior to Glen Gardner)	17.8	13.8	5.3	5.0
02030105020030	Mulhockaway Creek	15.7	15.6	6.0	5.6
02030105020040	Spruce Run Reservior / Willoughby Brook	16.4	15.0	5.8	5.4
02030105020050	Beaver Brook (Clinton)	15.2	16.2	6.2	5.8
02030105020060	Cakepoulin Creek	12.8	19.1	7.4	6.9
02030105020070	Raritan R SB(River Rd to Spruce Run)	16.0	15.3	5.9	5.5
02030105020080	Raritan R SB(Prescott Bk to River Rd)	18.4	13.4	5.2	4.8
02030105020090	Prescott Brook / Round Valley Reservior	16.2	15.1	5.8	5.5
02030105040020	Pleasant Run	16.0	15.4	5.9	5.5
02030105040030	Holland Brook	17.3	14.2	5.5	5.1
02030105050010	Lamington R (above Rt 10)	15.2	16.1	6.2	5.8
02030105050020	Lamington R (Hillside Rd to Rt 10)	17.5	14.0	5.4	5.0
02030105050030	Lamington R (Furnace Rd to Hillside Rd)	17.6	13.9	5.4	5.0
02030105050040	Lamington R(Pottersville gage-FurnaceRd)	18.7	13.1	5.1	4.7
02030105050050	Pottersville trib (Lamington River)	18.6	13.2	5.1	4.8
02030105050060	Cold Brook	16.1	15.3	5.9	5.5
02030105050070	Lamington R(HallsBrRd-Pottersville gage)	16.3	15.1	5.8	5.4
02030105050080	Rockaway Ck (above McCrea Mills)	18.0	13.7	5.3	4.9
02030105050090	Rockaway Ck (RockawaySB to McCrea Mills)	16.0	15.3	5.9	5.5
02030105050100	Rockaway Ck SB	15.2	16.1	6.2	5.8
02030105050110	Lamington R (below Halls Bridge Rd)	14.0	17.5	6.7	6.3

DRAFT: Average Lot Size per Septic System by Land Use Capability Zone
(assuming average groundwater recharge rates)

HUC14		Average GW Recharge (in/yr)	Carrying Capacity (acres/system) by Zone & Nitrate Target ¹		
#	Subwatershed Name		Protection Zone (0.72 mg/l)	Conservaton Zone (1.87 mg/l)	Existing Community Zone (2 mg/l)
02030105060010	Raritan R NB (above/incl India Bk)	17.6	14.0	5.4	5.0
02030105060020	Burnett Brook (above Old Mill Rd)	18.7	13.1	5.0	4.7
02030105060030	Raritan R NB(incl McVickers to India Bk)	18.1	13.6	5.2	4.9
02030105060040	Raritan R NB(Peapack Bk to McVickers Bk)	17.6	13.9	5.4	5.0
02030105060050	Peapack Brook (above/incl Gladstone Bk)	17.2	14.3	5.5	5.1
02030105060060	Peapack Brook (below Gladstone Brook)	16.3	15.1	5.8	5.4
02030105060070	Raritan R NB(incl Mine Bk to Peapack Bk)	15.9	15.5	5.9	5.6
02030105060080	Middle Brook (NB Raritan River)	14.8	16.5	6.4	6.0
02030105060090	Raritan R NB (Lamington R to Mine Bk)	13.3	18.5	7.1	6.7
02030105070010	Raritan R NB (Rt 28 to Lamington R)	11.7	21.0	8.1	7.5
02030105120050	Middle Brook EB	14.2	17.3	6.7	6.2
02030105120060	Middle Brook WB	13.8	17.8	6.8	6.4
02040105040040	Lafayette Swamp tribs	15.4	15.9	6.1	5.7
02040105040050	Sparta Junction tribs	13.8	17.8	6.8	6.4
02040105040060	Paulins Kill (above Rt 15)	14.7	16.7	6.4	6.0
02040105050010	Paulins Kill (Blairstown to Stillwater)	14.0	17.6	6.8	6.3
02040105060020	Delawanna Creek (incl UDRV)	13.7	18.0	6.9	6.5
02040105070010	Lake Lenape trib	13.3	18.5	7.1	6.7
02040105070020	New Wawayanda Lake/Andover Pond trib	12.2	20.1	7.8	7.2
02040105070030	Pequest River (above Brighton)	15.8	15.5	6.0	5.6
02040105070040	Pequest River (Trout Brook to Brighton)	16.2	15.1	5.8	5.4
02040105070050	Trout Brook/Lake Tranquility	15.2	16.2	6.2	5.8
02040105070060	Pequest R (below Bear Swamp to Trout Bk)	15.5	15.8	6.1	5.7
02040105080010	Bear Brook (Sussex/Warren Co)	14.5	17.0	6.5	6.1
02040105080020	Bear Creek	14.8	16.6	6.4	6.0
02040105090010	Pequest R (Drag Strip--below Bear Swamp)	16.0	15.4	5.9	5.5
02040105090020	Pequest R (Cemetary Road to Drag Strip)	16.5	14.8	5.7	5.3
02040105090030	Pequest R (Furnace Bk to Cemetary Road)	16.5	14.9	5.7	5.4

DRAFT: Average Lot Size per Septic System by Land Use Capability Zone
(assuming average groundwater recharge rates)

HUC14		Average GW Recharge (in/yr)	Carrying Capacity (acres/system) by Zone & Nitrate Target ¹		
#	Subwatershed Name		Protection Zone (0.72 mg/l)	Conservaton Zone (1.87 mg/l)	Existing Community Zone (2 mg/l)
02040105090040	Mountain Lake Brook	15.5	15.8	6.1	5.7
02040105090050	Furnace Brook	14.7	16.7	6.4	6.0
02040105090060	Pequest R (below Furnace Brook)	14.1	17.4	6.7	6.3
02040105100010	Union Church trib	14.8	16.6	6.4	6.0
02040105100020	Honey Run	13.8	17.8	6.9	6.4
02040105100030	Beaver Brook (above Hope Village)	14.0	17.5	6.7	6.3
02040105100040	Beaver Brook (below Hope Village)	14.1	17.4	6.7	6.3
02040105110010	Pophandusing Brook	13.4	18.4	7.1	6.6
02040105110020	Buckhorn Creek (incl UDRV)	13.2	18.6	7.2	6.7
02040105110030	UDRV tribs (Rt 22 to Buckhorn Ck)	12.0	20.5	7.9	7.4
02040105120010	Lopatcong Creek (above Rt 57)	12.8	19.2	7.4	6.9
02040105120020	Lopatcong Creek (below Rt 57) incl UDRV	10.8	22.8	8.8	8.2
02040105140010	Pohatcong Creek (above Rt 31)	15.7	15.7	6.0	5.6
02040105140020	Pohatcong Ck (Brass Castle Ck to Rt 31)	13.8	17.7	6.8	6.4
02040105140030	Pohatcong Ck (Edison Rd-Brass Castle Ck)	13.1	18.7	7.2	6.7
02040105140040	Merrill Creek	13.1	18.7	7.2	6.7
02040105140050	Pohatcong Ck (Merrill Ck to Edison Rd)	12.9	19.0	7.3	6.8
02040105140060	Pohatcong Ck (Springtown to Merrill Ck)	12.2	20.1	7.7	7.2
02040105140070	Pohatcong Ck(below Springtown) incl UDRV	11.7	21.0	8.1	7.6
02040105150010	Weldon Brook/Beaver Brook	15.1	16.2	6.2	5.8
02040105150020	Lake Hopatcong	13.1	18.7	7.2	6.7
02040105150030	Musconetcong R (Wills Bk to LkHopatcong)	13.9	17.7	6.8	6.4
02040105150040	Lubbers Run (above/incl Dallis Pond)	14.0	17.5	6.7	6.3
02040105150050	Lubbers Run (below Dallis Pond)	12.9	19.0	7.3	6.8
02040105150060	Cranberry Lake / Jefferson Lake & tribs	11.7	20.9	8.1	7.5
02040105150070	Musconetcong R(Waterloo to/incl WillsBk)	15.3	16.0	6.2	5.8
02040105150080	Musconetcong R (SaxtonFalls to Waterloo)	16.1	15.3	5.9	5.5
02040105150090	Mine Brook (Morris Co)	17.1	14.3	5.5	5.2

DRAFT: Average Lot Size per Septic System by Land Use Capability Zone
(assuming average groundwater recharge rates)

HUC14		Average GW Recharge (in/yr)	Carrying Capacity (acres/system) by Zone & Nitrate Target ¹		
#	Subwatershed Name		Protection Zone (0.72 mg/l)	Conservaton Zone (1.87 mg/l)	Existing Community Zone (2 mg/l)
02040105150100	Musconetcong R (Trout Bk to SaxtonFalls)	17.0	14.4	5.5	5.2
02040105160010	Musconetcong R (Hances Bk thru Trout Bk)	16.3	15.0	5.8	5.4
02040105160020	Musconetcong R (Changewater to HancesBk)	16.8	14.6	5.6	5.3
02040105160030	Musconetcong R (Rt 31 to Changewater)	15.1	16.3	6.3	5.9
02040105160040	Musconetcong R (75d 00m to Rt 31)	14.9	16.5	6.4	5.9
02040105160050	Musconetcong R (I-78 to 75d 00m)	14.0	17.5	6.7	6.3
02040105160060	Musconetcong R (Warren Glen to I-78)	13.2	18.6	7.1	6.7
02040105160070	Musconetcong R (below Warren Glen)	12.7	19.3	7.4	7.0
02040105170010	Holland Twp (Hakihokake to Musconetcong)	13.0	18.9	7.3	6.8
02040105170020	Hakihokake Creek	13.7	17.9	6.9	6.5
02040105170030	Harihokake Creek (and to Hakihokake Ck)	14.0	17.6	6.8	6.3
02040105170040	Nishisakawick Creek (above 40d 33m)	14.2	17.3	6.7	6.2
02040105170050	Nishisakawick Creek (below 40d 33m)	13.1	18.8	7.2	6.8

1. Assumes 4 people per home, and 10 pounds per nitrate per person per year.

3/8/10