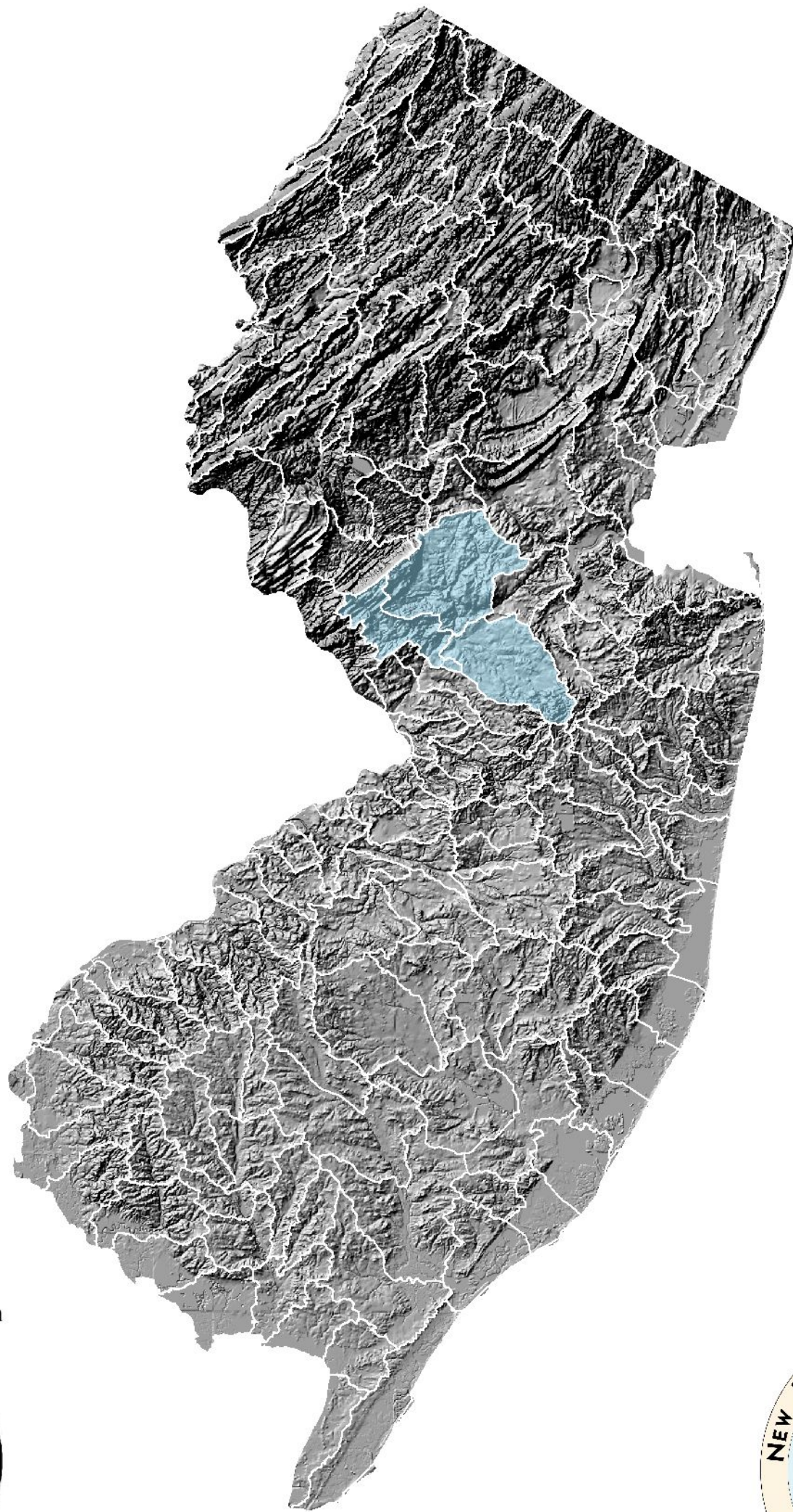


New Jersey Water Withdrawals, Uses, Transfers, and Discharges by HUC11, 1990 to 1999

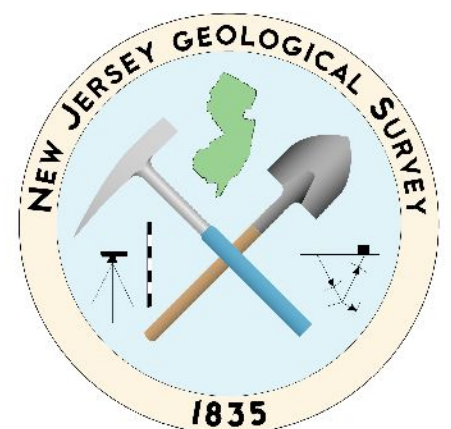
Appendix 10: HUC11 Tables, Figures and Maps WMA 10 - Millstone



Let's protect our earth



NEW JERSEY DEPARTMENT
OF ENVIRONMENTAL PROTECTION

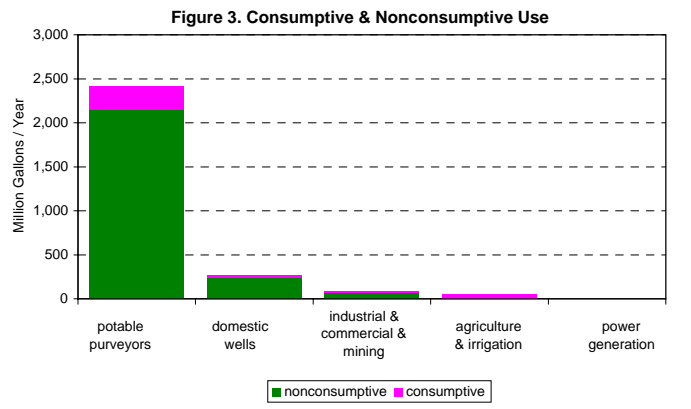
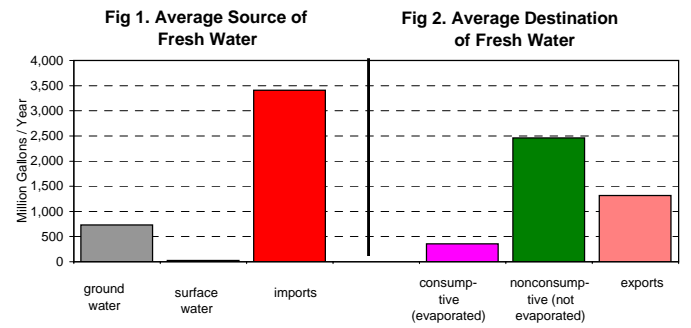


Water Withdrawals, Transfers and Discharges for STONY BROOK --- 02030105090

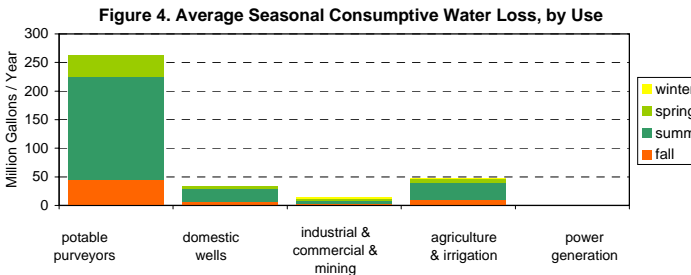
WMA:	Millstone	10	
HUC11:	Stony Brook	02030105090	

Withdrawals (Q)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
surface water:²											
Delaware River	0	0	0	0	0	0	0	0	0	0	0
other	8	33	23	23	6	10	0	45	45	33	23
sum	8	33	23	23	6	10	0	45	45	33	23
ground-water:³											
confined	0	0	0	0	0	0	0	0	0	0	0
unconfined	708	680	758	736	841	771	712	646	692	788	733
sum	708	680	758	736	841	771	712	646	692	788	733
total withdrawals:	716	713	781	760	847	781	713	691	737	821	756

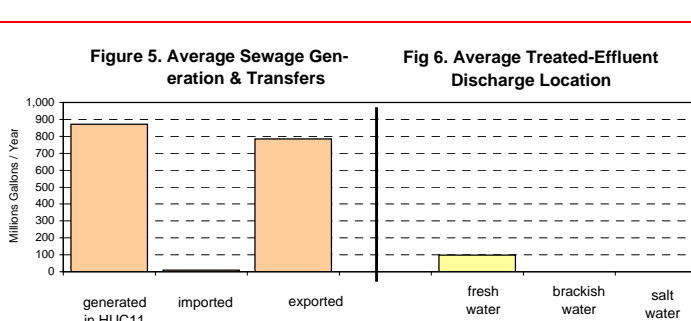
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
imports ¹¹	3,077	3,115	2,962	3,203	3,638	3,637	3,519	3,610	3,640	3,706	3,411
exports ¹¹	1,260	1,255	1,318	1,336	1,490	1,408	1,325	1,222	1,240	1,311	1,317
net	1,816	1,860	1,644	1,867	2,149	2,228	2,194	2,388	2,400	2,395	2,094



Water use	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
potable purveyors											
nonconsumptive	1,901	1,922	1,801	1,925	2,299	2,298	2,221	2,334	2,360	2,425	2,149
consumptive	211	220	204	252	278	285	266	291	302	314	262
domestic wells											
nonconsumptive	233	234	235	237	238	240	241	243	246	249	240
consumptive	33	33	33	33	34	34	34	34	35	35	34
industrial & commercial & mining											
nonconsumptive	93	76	66	73	70	71	63	53	64	70	70
consumptive	12	15	15	15	17	15	14	13	13	13	14
agricultural & non-agricultural irrigation											
nonconsumptive	3	6	5	5	3	4	3	8	8	7	5
consumptive	26	54	43	48	31	39	30	69	72	65	48
power generation											
nonconsumptive	0	0	0	0	0	0	0	0	0	0	0
consumptive	0	0	0	0	0	0	0	0	0	0	0
SUM:											
nonconsumptive	2,229	2,238	2,107	2,240	2,611	2,614	2,528	2,638	2,678	2,752	2,463
consumptive	282	322	294	349	360	373	343	407	422	427	358
PERCENTAGES:											
nonconsumptive	88.8%	87.4%	87.7%	86.5%	87.9%	87.5%	88.0%	86.6%	86.4%	86.6%	87.3%
consumptive	11.2%	12.6%	12.3%	13.5%	12.1%	12.5%	12.0%	13.4%	13.6%	13.4%	12.7%

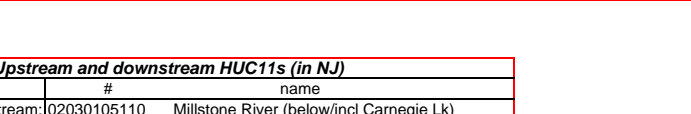


Use Group	Winter		Spring		Summer		Fall		Yearly Avg.	
	Non-consumptive	Consumptive	Non-consumptive	Consumptive	Non-consumptive	Consumptive	Non-consumptive	Consumptive	Non-consumptive	Consumptive
potable purveyors	571	0	569	38	518	179	523	45	2,180	263
domestic wells	55	0	56	4	70	24	58	5	240	34
industrial & commercial & mining	13	3	16	3	25	5	16	3	70	14
agricultural & non-agricultural irrig.	0	0	1	7	3	30	1	10	5	48
power generation	0	0	0	0	0	0	0	0	0	0
SUM:	639	3	642	53	616	238	598	64	2,495	358



	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
generated in HUC11	369	849	877	928	996	865	1,125	913	929	870	872
imported to HUC11	9	9	9	10	12	10	12	9	11	11	10
exported from HUC11	280	767	803	843	899	780	1,024	836	840	775	785

destination	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
fresh water	99	91	83	95	109	95	113	87	100	106	98
brackish water	0	0	0	0	0	0	0	0	0	0	0
salt water	0	0	0	0	0	0	0	0	0	0	0
sum:	99	91	83	95	109	95	113	87	100	106	98



Water Source	MGY
surface water	264
ground water	718
total	982

Use Group	MGY
agricultural	264
commercial	37
industrial	185
irrigation	82
mining	0
potable supply	414
power generation	0
total	982

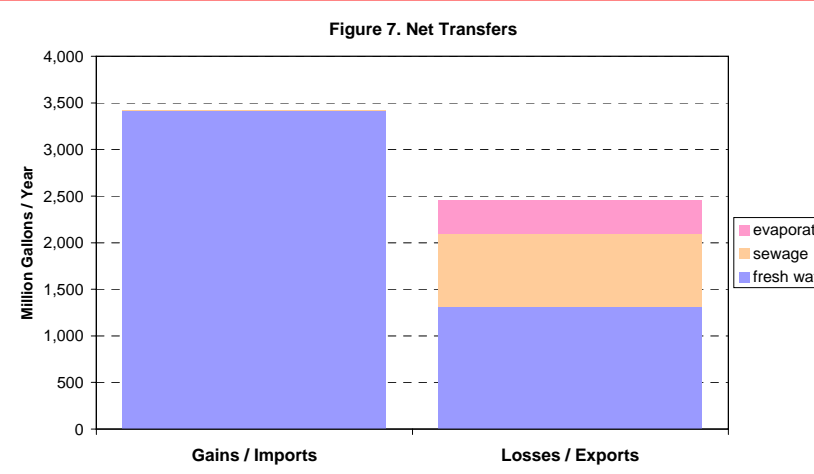
--- Area:	
in this HUC11 only	55.4 sq. mi.
upstream HUC11s	0.0 sq. mi.
total watershed	55.4 sq. mi.
(this HUC11 onshore area: 55.4 sq. mi.)	

Year	Population	Change
1940	11,252	-
1950	16,270	44.6%
1960	22,254	36.8%
1970	27,291	22.6%
1980	28,174	3.2%
1990	31,357	11.3%
2000	38,402	22.5%
2010	41,251	7.4% est. ¹²
2020	43,118	4.5% est. ¹²
2030	45,521	5.6% est. ¹²

Type	Year		Change
	1986	1995	
ag.	27.0%	21.2%	-5.8%
barren	1.3%	0.9%	-0.4%
forest	31.0%	32.8%	1.8%
urban	24.0%	28.7%	4.7%
water	1.2%	1.2%	0.0%
wetlands	15.4%	15.1%	-0.3%

Pinelands:	0.0%
Highlands:	0.0%

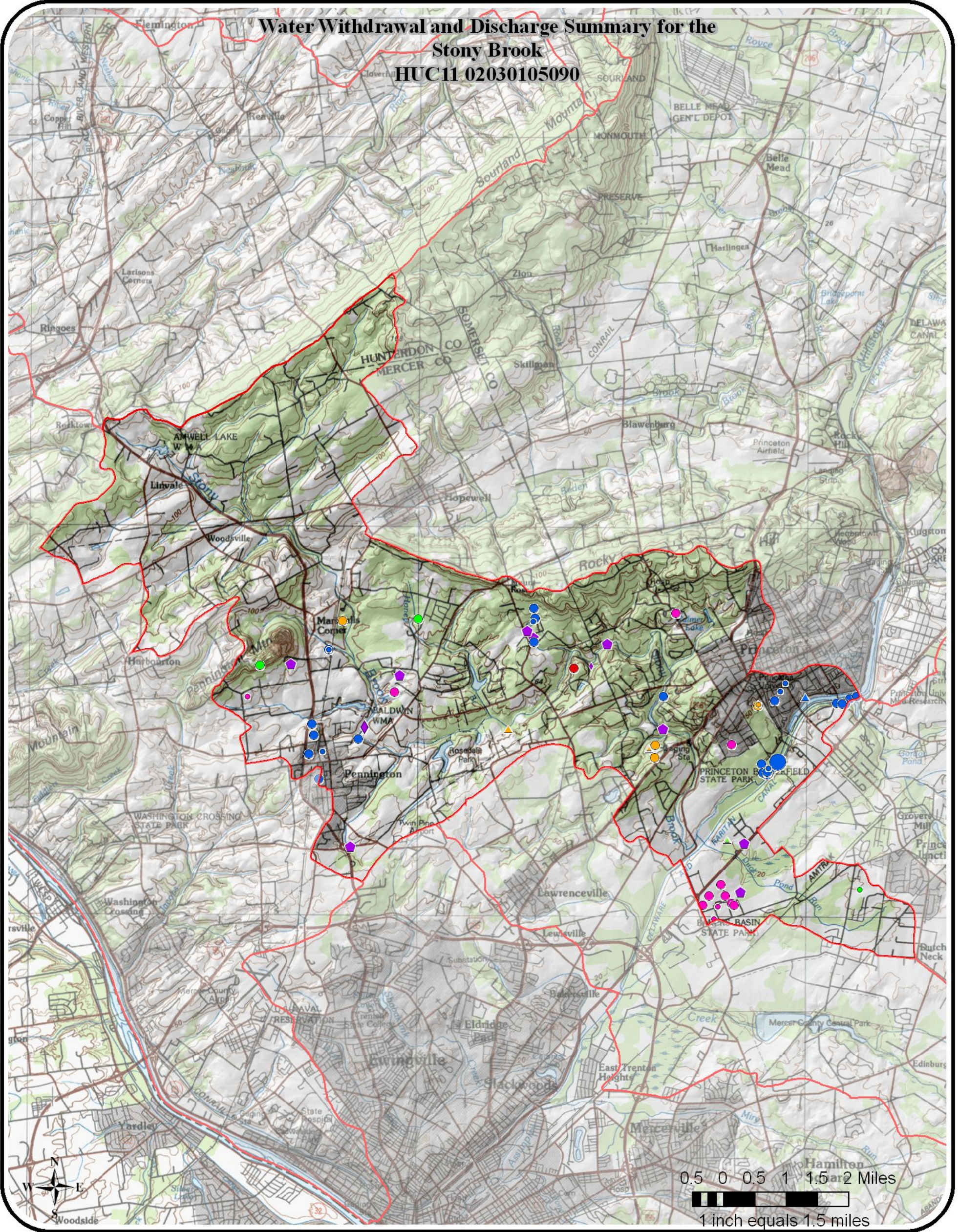
location	#	name
downstream:	02030105110	Millstone River (below/incl Carnegie Lk)
(if any)	--	--
upstream:	--	--
(if any)	--	--



NOTES:

- 1 Salt and brackish water withdrawal and use is not included in this data.
- 2 This does not account for water released from onstream reservoirs for downstream intakes.
- 3 Includes both permitted ground-water withdrawals and estimated domestic well withdrawals.
- 4 Nonconsumptive water use refers to water used in the watershed but not evaporated.
- 5 Consumptive water use refers to water evaporated in the watershed. It does not include exports.
- 6 Use refers only to water actually used in that HUC11. It is equal to freshwater withdrawals + imports - exports.
- 7 Winter is Jan, Feb, Dec of the same year; spring is March-May; summer is June-Aug; fall is Sept-Nov.
- 8 Sewage generation and transfers are based on intersection of sewer service areas with HUC11s.
- 9 Based on discharge volumes reported under NJPDES program.
- 10 The allocated volume is calculated from allocation permits on file with the Bureau of Water Allocation, NJDEP, as of 1999.
- 11 Import and export volumes based on reported transfers between purveyors and on intersection of purveyor service areas with HUC11s.
- 12 Projected population estimates based on NJ Metropolitan Planning Organization estimates.
- 13 Subject to revision.
- 14 Withdrawals for offstream reservoirs are problematic and complicate Figures 1 and 2.

Water Withdrawal and Discharge Summary for the Stony Brook HUC11 02030105090

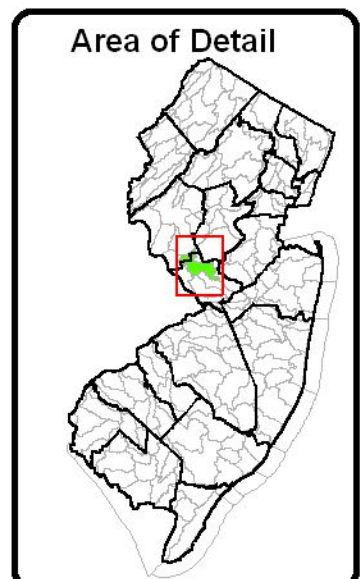


Key for Discharge Data		
1999 Treated Effluent Discharge		
0 - 50	MGY	◆
50 - 100	MGY	◆
100 - 500	MGY	◆
> 500	MGY	◆
Other Permitted Discharge		◆

Key for Withdrawal Data		
Source		
GW Confined	□	
GW Unconfined	○	
SW	△	
1999 Withdrawal		
No 1999 Use	●▲	
1 - 50 MGY	■●▲	
51 - 100 MGY	■●▲	
101 - 500 MGY	■●▲	
> 500 MGY	■●▲	

Use Group	
Agricultural	●
Commercial	●
Industrial	●
Irrigation	●
Mining	●
Not Classified	●
Potable Supply	●
Power Generation	●

MGY = millions of gallons per year



Water Withdrawals, Transfers and Discharges for UPPER MILLSTONE RIVER --- 02030105100

WMA:	Millstone	10
HUC11:	Upper Millstone River	02030105100

Table 1. Freshwater¹ Withdrawals in the HUC11 (millions of gallons)

Withdrawals (Q)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
surface water:²											
Delaware River	0	0	0	0	0	0	0	0	0	0	0
other	231	235	184	274	192	394	117	259	185	217	229
sum	231	235	184	274	192	394	117	259	185	217	229
ground-water:³											
confined	2,536	999	1,071	852	841	939	1,574	1,471	1,533	1,536	1,335
unconfined	1,138	3,159	3,020	3,414	3,400	3,265	2,955	3,016	3,028	3,312	2,971
sum	3,674	4,158	4,092	4,266	4,241	4,204	4,528	4,487	4,561	4,848	4,306
total withdrawals:	3,905	4,393	4,276	4,540	4,434	4,599	4,645	4,746	4,746	5,065	4,535

Table 2. Freshwater Imports To & Exports From the HUC11 (millions of gallons)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
imports ¹¹	2,239	2,317	2,202	2,415	2,699	2,687	2,546	2,625	2,657	2,702	2,509
exports ¹¹	1,882	2,168	2,233	2,383	2,352	2,228	2,240	2,071	2,095	2,166	2,182
net	357	150	(31)	32	348	459	306	554	563	536	327

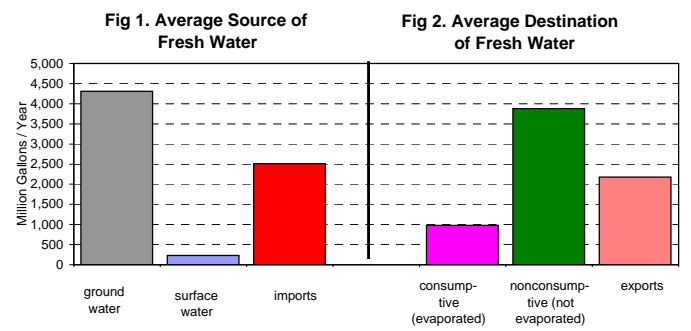


Table 3. Nonconsumptive⁴ & Consumptive⁵ Water Use⁶ in the HUC11, by Use Type (millions of gallons)

Water use	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
potable purveyors											
nonconsumptive	2,865	2,969	2,838	2,991	3,229	3,229	3,130	3,215	3,387	3,573	3,143
consumptive	336	369	344	388	394	417	379	425	443	482	398
domestic wells											
nonconsumptive	255	258	263	269	275	280	286	292	297	303	278
consumptive	36	36	37	38	39	39	40	41	42	43	39
industrial & commercial & mining											
nonconsumptive	220	197	229	228	277	224	749	717	589	620	405
consumptive	25	22	26	25	32	26	83	80	66	69	45
agricultural & non-agricultural irrigation											
nonconsumptive	52	67	50	63	53	83	28	53	45	53	55
consumptive	470	600	454	566	481	750	255	475	404	473	493
power generation											
nonconsumptive	0	0	0	0	0	0	0	0	0	0	0
consumptive	0	0	0	0	0	0	0	0	0	0	0
SUM:											
nonconsumptive	3,392	3,491	3,380	3,551	3,835	3,816	4,193	4,277	4,319	4,549	3,880
consumptive	867	1,028	861	1,018	946	1,232	757	1,020	955	1,066	975
PERCENTAGES:											
nonconsumptive	79.6%	77.3%	79.7%	77.7%	80.2%	75.6%	84.7%	80.7%	81.9%	81.0%	79.9%
consumptive	20.4%	22.7%	20.3%	22.3%	19.8%	24.4%	15.3%	19.3%	18.1%	19.0%	20.1%

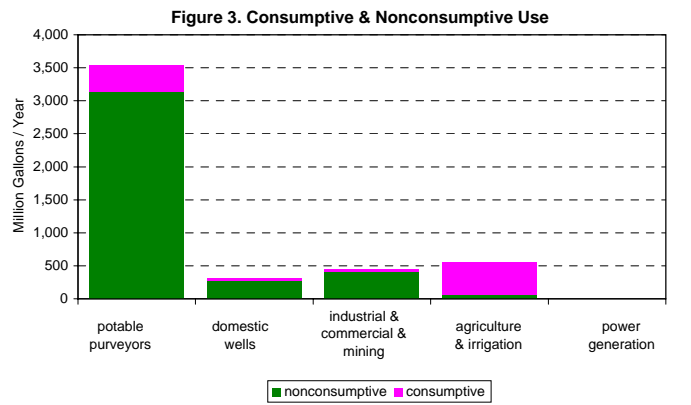


Table 4. Average Seasonal⁷ Use - Nonconsumptive⁴ & Consumptive⁵ (millions of gallons)

Use Group	Winter		Spring		Summer		Fall		Yearly Avg.	
	Noncon-sumptive	Consumptive	Noncon-sumptive	Consumptive	Noncon-sumptive	Consumptive	Noncon-sumptive	Consumptive	Noncon-sumptive	Consumptive
potable purveyors	778	0	801	56	790	274	783	68	3,152	398
domestic wells	64	0	65	5	81	28	68	6	278	39
industrial & commercial & mining	78	9	101	11	124	14	103	11	405	45
agricultural & non-agricultural irrig.	1	13	7	65	35	313	11	102	55	493
power generation	0	0	0	0	0	0	0	0	0	0
SUM:	921	21	974	136	1,030	630	965	188	3,889	975

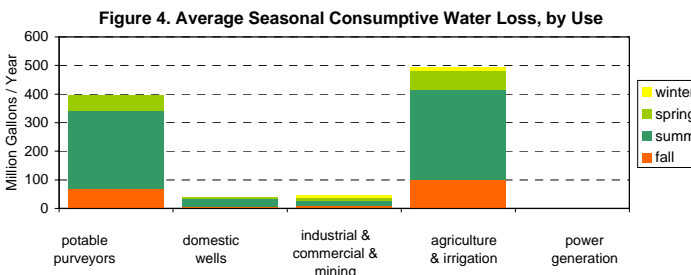


Table 5. Sewage Generation & Transfers⁸ in the HUC11 (millions of gallons)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
generated in HUC11	3,484	5,112	5,661	6,158	6,503	5,872	7,076	6,499	6,532	6,374	5,927
imported to HUC11	0	0	0	0	0	0	0	0	0	0	0
exported from HUC11	3,032	3,879	4,174	4,617	4,892	4,298	5,277	4,786	4,769	4,732	4,446

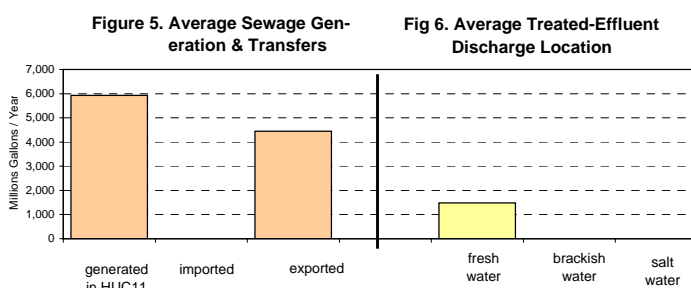


Table 6. Destination of Treated Effluent (Reclaimed-Water) Discharges⁹ in the HUC11 (millions of gallons)

destination	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
fresh water	451	1,233	1,487	1,541	1,611	1,574	1,799	1,713	1,764	1,642	1,482
brackish water	0	0	0	0	0	0	0	0	0	0	0
salt water	0	0	0	0	0	0	0	0	0	0	0
sum:	451	1,233	1,487	1,541	1,611	1,574	1,799	1,713	1,764	1,642	1,482

Table 7. 1999 Water Allocations¹⁰ in HUC11 by Water Source

Water Source	MGY
surface water	1,711
ground water	7,761
total	9,471

Table 8. 1999 Water Allocations¹⁰ in HUC11 by Water Use Group

Use Group	MGY
agricultural	3,739
commercial	30
industrial	916
irrigation	350
mining	0
potable supply	4,436
power generation	0
total	9,471

Table 9. HUC11 Descriptive Statistics

--- **Area:**

in this HUC11 only	98.8	sq. mi.
upstream HUC11s	0.0	sq. mi.
total watershed	98.8	sq. mi.

(this HUC11 onshore area: 98.8 sq. mi.)

--- **Population of this HUC11:**

Year	Population	Change
1940	10,289	-
1950	12,702	23.5%
1960	17,659	39.0%
1970	31,829	80.2%
1980	48,128	51.2%
1990	66,645	38.5%
2000	85,084	27.7%
2010	100,940	18.6% est. ¹²
2020	109,534	8.5% est. ¹²
2030	121,259	10.7% est. ¹²

--- **Land Use of this HUC11:**

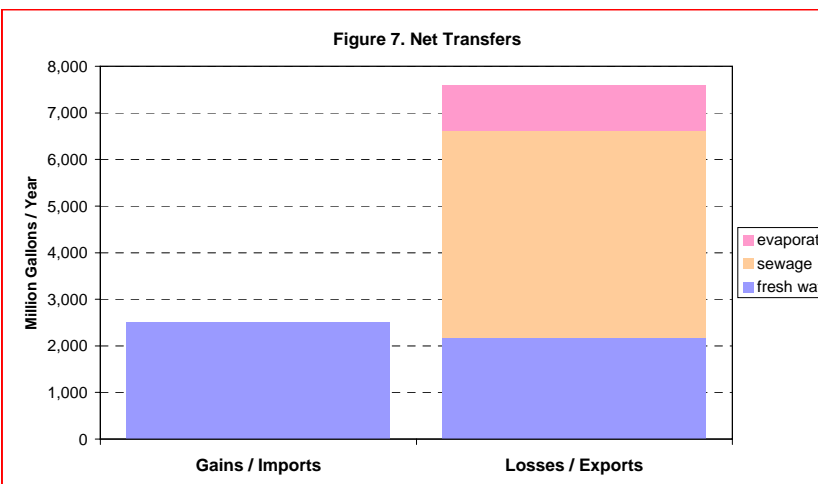
Type	Year		Change
	1986	1995	
ag.	35.3%	28.9%	-6.4%
barren	1.5%	1.4%	-0.1%
forest	11.0%	11.2%	0.3%
urban	23.4%	30.2%	6.9%
water	1.0%	1.1%	0.1%
wetlands	27.9%	27.2%	-0.6%

--- **% of this HUC11 in:**

Pinelands:	0.0%
Highlands:	0.0%

Table 10. Upstream and downstream HUC11s (in NJ)

location	#	name
downstream:	02030105110	Millstone River (below/incl Carnegie Lk)
(if any)	--	--
upstream:	--	--
(if any)	--	--

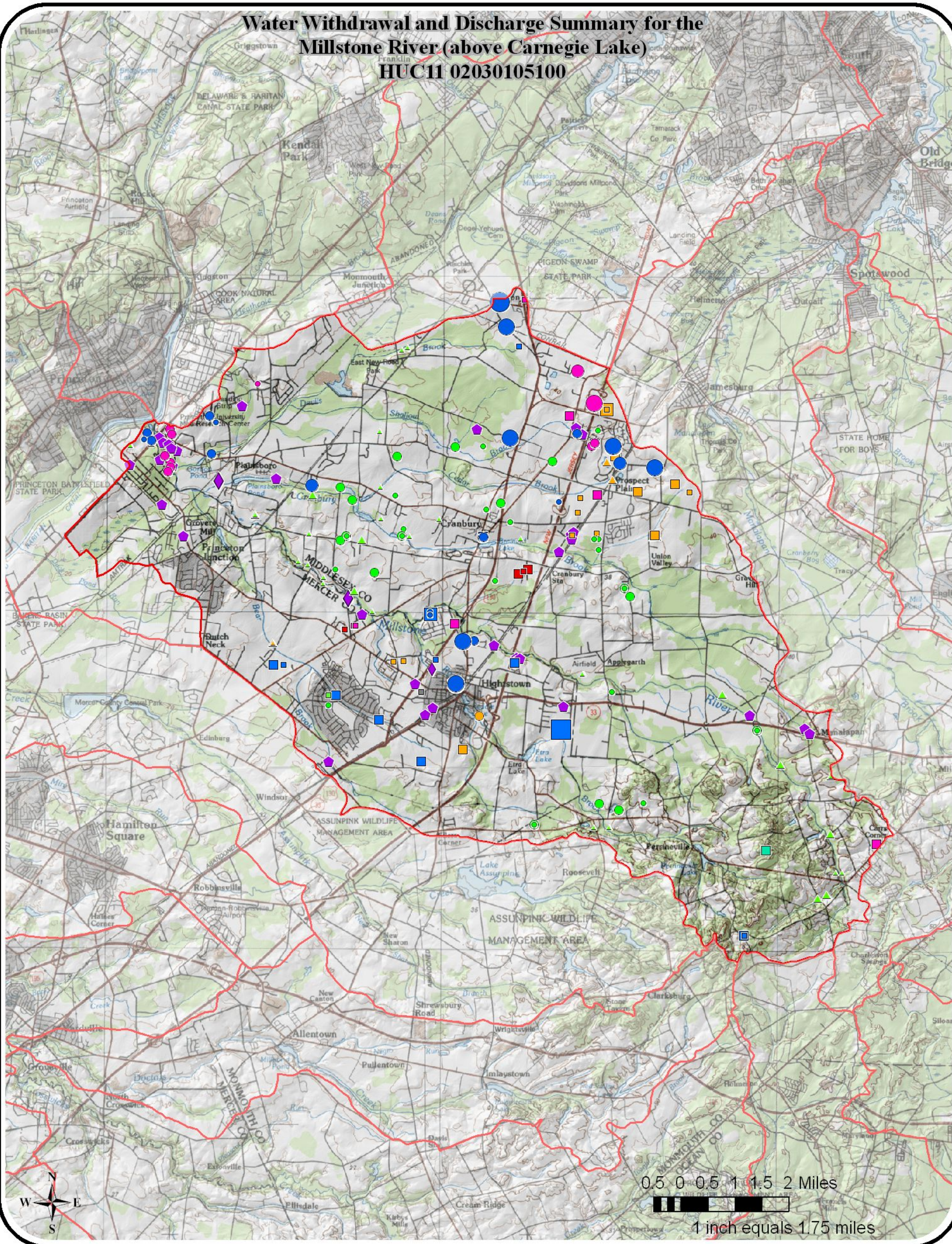


NOTES:

- 1 Salt and brackish water withdrawal and use is not included in this data.
- 2 This does not account for water released from onstream reservoirs for downstream intakes.
- 3 Includes both permitted ground-water withdrawals and estimated domestic well withdrawals.
- 4 Nonconsumptive water use refers to water used in the watershed but not evaporated.
- 5 Consumptive water use refers to water evaporated in the watershed. It does not include exports.
- 6 Use refers only to water actually used in that HUC11. It is equal to freshwater withdrawals + imports - exports.
- 7 Winter is Jan, Feb, Dec of the same year; spring is March-May; summer is June-Aug; fall is Sept-Nov.
- 8 Sewage generation and transfers are based on intersection of sewer service areas with HUC11s.
- 9 Based on discharge volumes reported under NJPDES program.
- 10 The allocated volume is calculated from allocation permits on file with the Bureau of Water Allocation, NJDEP, as of 1999.
- 11 Import and export volumes based on reported transfers between purveyors and on intersection of purveyor service areas with HUC11s.
- 12 Projected population estimates based on NJ Metropolitan Planning Organization estimates.
- 13 Subject to revision.
- 14 Withdrawals for offstream reservoirs are problematic and complicate Figures 1 and 2.

Water Withdrawal and Discharge Summary for the Millstone River (above Carnegie Lake)

HUC11 02030105100

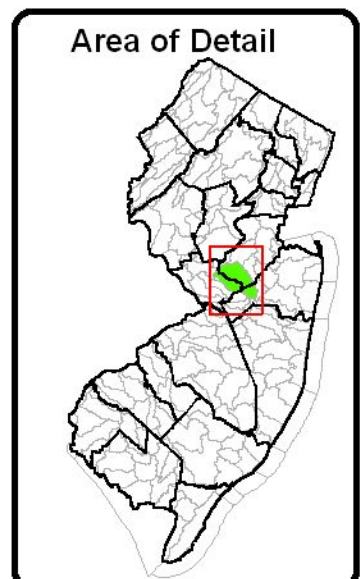


Key for Discharge Data	
1999 Treated Effluent Discharge	
0 - 50 MGY	◆
50 - 100 MGY	◆
100 - 500 MGY	◆
> 500 MGY	◆
Other Permitted Discharge	◆

Key for Withdrawal Data	
Source	
GW Confined	□
GW Unconfined	○
SW	△
1999 Withdrawal	
No 1999 Use	●▲
1 - 50 MGY	■●▲
51 - 100 MGY	■●▲
101 - 500 MGY	■●▲
> 500 MGY	■●▲

MGY = millions of gallons per year

Use Group	
Agricultural	●
Commercial	●
Industrial	●
Irrigation	●
Mining	●
Not Classified	●
Potable Supply	●
Power Generation	●



Water Withdrawals, Transfers and Discharges for LOWER MILLSTONE RIVER --- 02030105110

WMA:	Millstone	10
HUC11:	Lower Millstone River	02030105110

Table 1. Freshwater¹ Withdrawals in the HUC11 (millions of gallons)

Withdrawals (Q)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
surface water:²											
Delaware River	0	0	0	0	0	0	0	0	0	0	0
other	73	16	15	35	72	34	25	72	144	82	57
sum	73	16	15	35	72	34	25	72	144	82	57
ground-water:³											
confined	0	0	0	0	0	0	0	0	0	0	0
unconfined	922	1,031	960	1,429	1,123	1,027	986	1,141	1,113	1,185	1,092
sum	922	1,031	960	1,429	1,123	1,027	986	1,141	1,113	1,185	1,092
total withdrawals:	996	1,047	975	1,464	1,195	1,061	1,011	1,213	1,257	1,267	1,149

Table 2. Freshwater Imports To & Exports From the HUC11 (millions of gallons)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
imports ¹¹	4,756	4,907	4,815	5,103	5,605	5,578	5,325	5,391	5,334	5,600	5,241
exports ¹¹	1,014	1,034	1,000	1,143	1,209	1,113	1,043	1,131	1,140	1,192	1,102
net	3,742	3,872	3,815	3,960	4,395	4,465	4,282	4,259	4,194	4,409	4,139

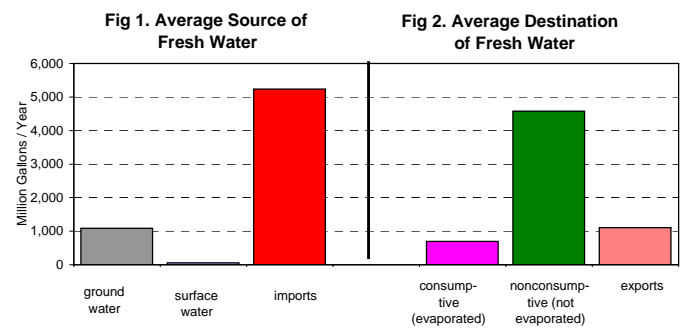


Table 3. Nonconsumptive⁴ & Consumptive⁵ Water Use⁶ in the HUC11, by Use Type (millions of gallons)

Water use	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
potable purveyors											
nonconsumptive	3,463	3,611	3,519	3,685	4,141	4,112	3,921	3,995	3,923	4,165	3,853
consumptive	399	427	402	468	492	502	457	494	504	543	469
domestic wells											
nonconsumptive	563	566	573	578	584	591	595	599	602	606	586
consumptive	79	80	81	81	82	83	84	84	85	85	82
industrial & commercial & mining											
nonconsumptive	112	123	123	146	143	140	148	133	72	84	122
consumptive	12	14	15	17	17	16	17	15	9	9	14
agricultural & non-agricultural irrigation											
nonconsumptive	5	10	8	44	13	8	7	15	20	17	15
consumptive	44	89	71	392	118	72	64	134	178	151	131
power generation											
nonconsumptive	0	0	0	0	0	0	0	0	0	0	0
consumptive	0	0	0	0	0	0	0	0	0	0	0
SUM:											
nonconsumptive	4,143	4,310	4,222	4,453	4,880	4,851	4,671	4,741	4,617	4,871	4,576
consumptive	535	609	568	959	709	674	622	728	775	788	697
PERCENTAGES:											
nonconsumptive	88.6%	87.6%	88.1%	82.3%	87.3%	87.8%	88.2%	86.7%	85.6%	86.1%	86.8%
consumptive	11.4%	12.4%	11.9%	17.7%	12.7%	12.2%	11.8%	13.3%	14.4%	13.9%	13.2%

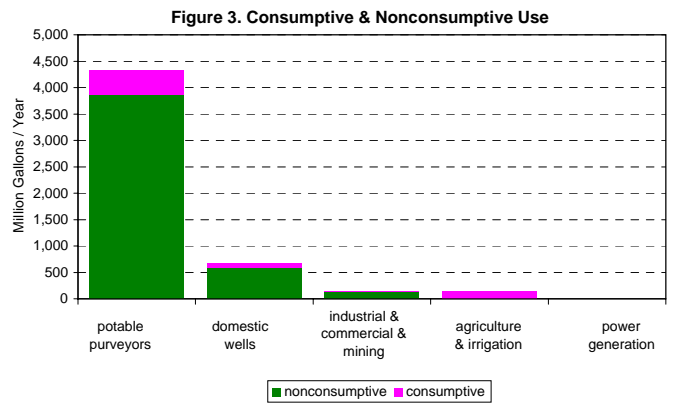


Table 4. Average Seasonal⁷ Use - Nonconsumptive⁴ & Consumptive⁵ (millions of gallons)

Use Group	Winter		Spring		Summer		Fall		Yearly Avg.	
	Noncon-sumptive	Consumptive	Noncon-sumptive	Consumptive	Noncon-sumptive	Consumptive	Noncon-sumptive	Consumptive	Noncon-sumptive	Consumptive
potable purveyors	1,012	0	988	66	927	321	942	81	3,869	469
domestic wells	134	0	138	10	171	59	143	13	586	82
industrial & commercial & mining	30	3	32	4	30	4	30	3	122	14
agricultural & non-agricultural irrig.	0	1	3	24	8	76	3	31	15	131
power generation	0	0	0	0	0	0	0	0	0	0
SUM:	1,176	5	1,161	104	1,136	460	1,118	129	4,591	697

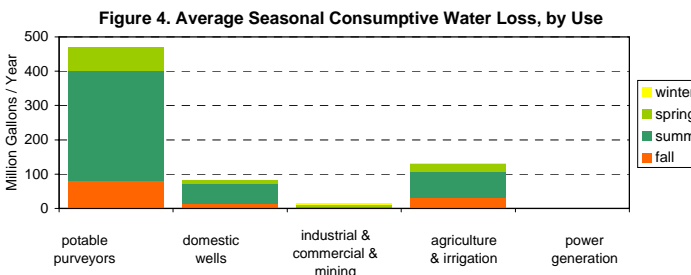


Table 5. Sewage Generation & Transfers⁸ in the HUC11 (millions of gallons)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
generated in HUC11	4,324	5,567	5,631	6,133	6,615	5,875	7,544	6,589	7,146	6,107	6,153
imported to HUC11	664	1,354	1,339	1,362	1,640	1,393	1,873	1,602	1,641	1,561	1,443
exported from HUC11	3,224	3,582	3,698	4,087	4,205	3,772	4,742	4,229	4,107	3,801	3,945

Table 6. Destination of Treated Effluent (Reclaimed-Water) Discharges⁹ in the HUC11 (millions of gallons)

destination	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	average
fresh water	1,763	3,339	3,271	3,407	4,050	3,496	4,675	3,961	4,680	3,868	3,651
brackish water	0	0	0	0	0	0	0	0	0	0	0
salt water	0	0	0	0	0	0	0	0	0	0	0
sum:	1,763	3,339	3,271	3,407	4,050	3,496	4,675	3,961	4,680	3,868	3,651

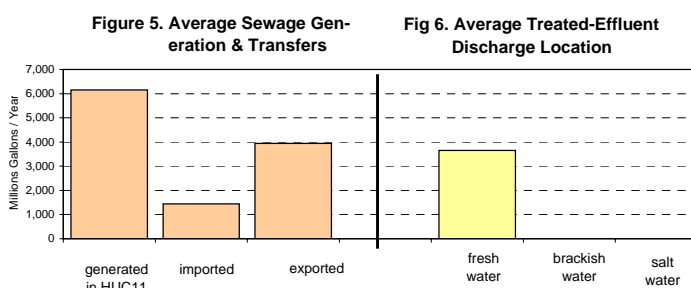


Table 7. 1999 Water Allocations¹⁰ in HUC11 by Water Source

Water Source	MGY
surface water	282
ground water	716
total	998

Table 8. 1999 Water Allocations¹⁰ in HUC11 by Water Use Group

Use Group	MGY
agricultural	49
commercial	37
industrial	280
irrigation	345
mining	0
potable supply	286
power generation	0
total	998

Table 9. HUC11 Descriptive Statistics

--- **Area:**

in this HUC11 only	130.4	sq. mi.
upstream HUC11s	154.2	sq. mi.
total watershed	284.6	sq. mi.

(this HUC11 onshore area: 130.4 sq. mi.)

--- **Population of this HUC11:**

Year	Population	Change
1940	22,000	-
1950	30,808	40.0%
1960	46,172	49.9%
1970	64,430	39.5%
1980	71,991	11.7%
1990	92,805	28.9%
2000	118,255	27.4%
2010	130,789	10.6% est. ¹²
2020	144,060	10.1% est. ¹²
2030	155,288	7.8% est. ¹²

--- **Land Use of this HUC11:**

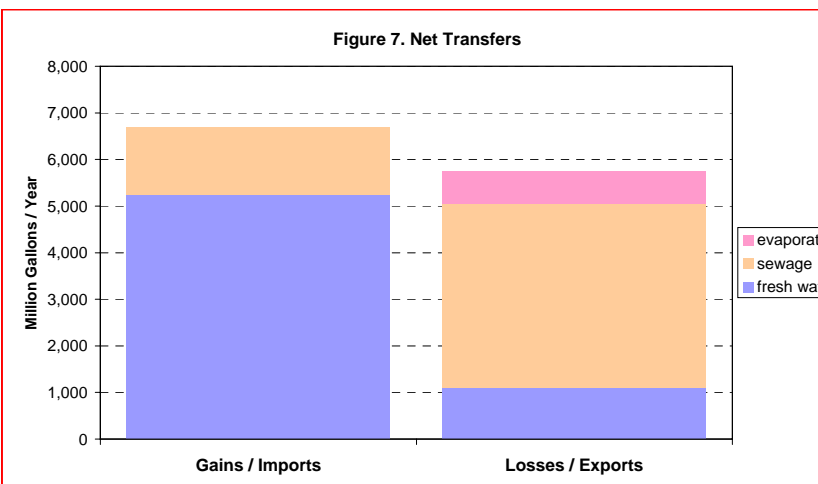
Type	Year		Change
	1986	1995	
ag.	28.2%	22.5%	-5.7%
barren	1.7%	2.0%	0.4%
forest	25.6%	25.5%	-0.1%
urban	26.5%	32.5%	6.0%
water	1.1%	1.1%	0.0%
wetlands	16.9%	16.3%	-0.6%

--- **% of this HUC11 in:**

Pinelands:	0.0%
Highlands:	0.0%

Table 10. Upstream and downstream HUC11s (in NJ)

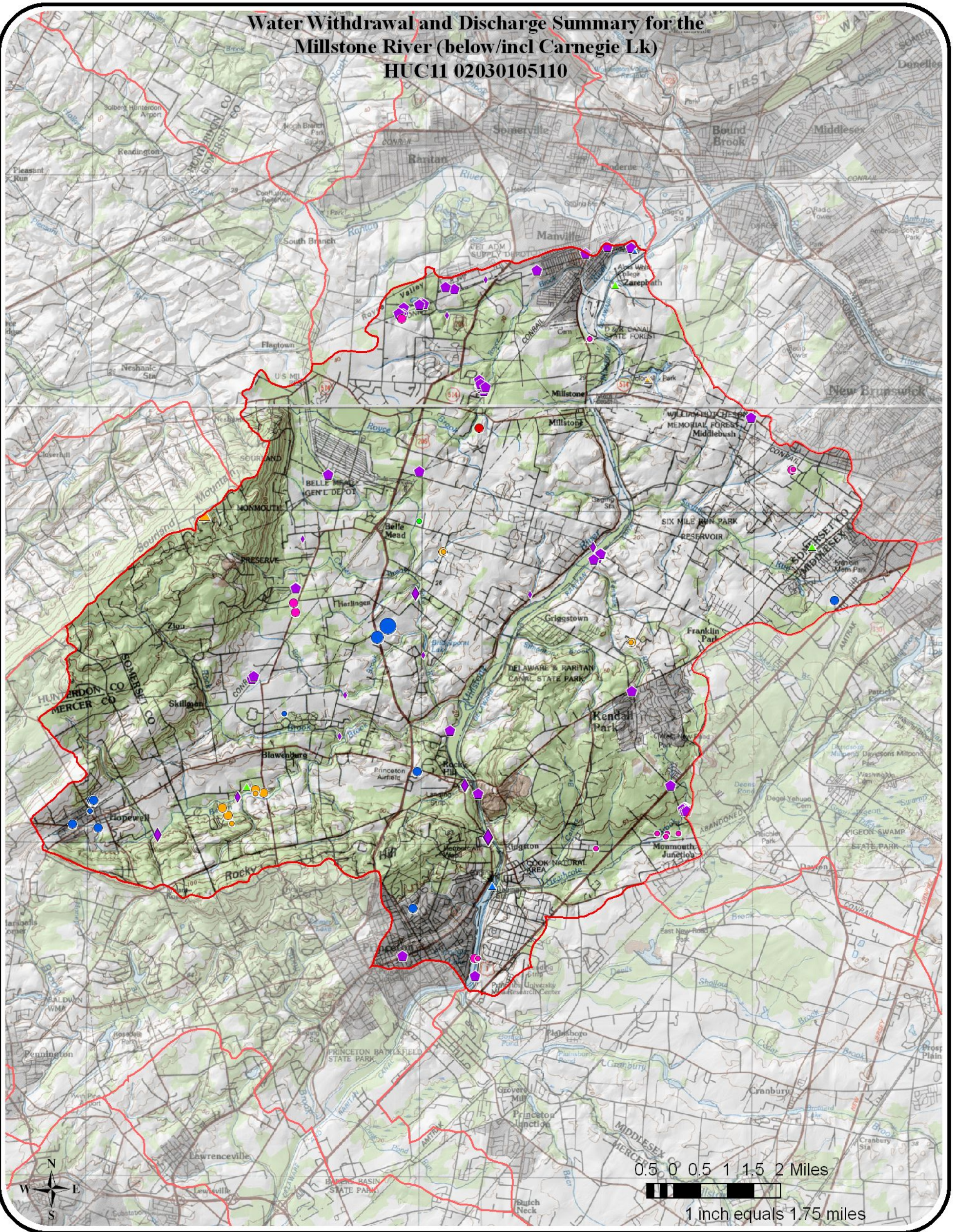
location	#	name
downstream:	02030105120	Raritan R Lower (Lawrence to Millstone)
(if any)		
upstream:	02030105090	Stony Brook
(if any)	02030105100	Millstone River (above Carnegie Lake)
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NOTES:

- 1 Salt and brackish water withdrawal and use is not included in this data.
- 2 This does not account for water released from onstream reservoirs for downstream intakes.
- 3 Includes both permitted ground-water withdrawals and estimated domestic well withdrawals.
- 4 Nonconsumptive water use refers to water used in the watershed but not evaporated.
- 5 Consumptive water use refers to water evaporated in the watershed. It does not include exports.
- 6 Use refers only to water actually used in that HUC11. It is equal to freshwater withdrawals + imports - exports.
- 7 Winter is Jan, Feb, Dec of the same year; spring is March-May; summer is June-Aug; fall is Sept-Nov.
- 8 Sewage generation and transfers are based on intersection of sewer service areas with HUC11s.
- 9 Based on discharge volumes reported under NJPDES program.
- 10 The allocated volume is calculated from allocation permits on file with the Bureau of Water Allocation, NJDEP, as of 1999.
- 11 Import and export volumes based on reported transfers between purveyors and on intersection of purveyor service areas with HUC11s.
- 12 Projected population estimates based on NJ Metropolitan Planning Organization estimates.
- 13 Subject to revision.
- 14 Withdrawals for offstream reservoirs are problematic and complicate Figures 1 and 2.

Water Withdrawal and Discharge Summary for the Millstone River (below/incl Carnegie Lk) HUC11 02030105110



Key for Discharge Data	
1999 Treated Effluent Discharge	
0 - 50 MGY	◆
50 - 100 MGY	◆
100 - 500 MGY	◆
> 500 MGY	◆
Other Permitted Discharge	◆

Key for Withdrawal Data	
Source	
GW Confined	□
GW Unconfined	○
SW	△
1999 Withdrawal	
No 1999 Use	●▲
1 - 50 MGY	■●▲
51 - 100 MGY	■●▲
101 - 500 MGY	■●▲
> 500 MGY	■●▲

Use Group	
Agricultural	●
Commercial	●
Industrial	●
Irrigation	●
Mining	●
Not Classified	●
Potable Supply	●
Power Generation	●

MGY = millions of gallons per year

