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Water Supply Outlook 1999-2000 for the Northeastern United States

WATER SUPPLY OUTLOOK FOR THE NORTHEASTERN UNITED STATES

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THESE OUTLOOKS HAVE BEEN PREPARED BY THE NATIONAL WEATHER SERVICE OFFICE LISTED BELOW. ANY CORRESPONDENCE CONCERNING THESE OUTLOOKS SHOULD BE DIRECTED AS SHOWN.

HYDROLOGIST IN CHARGE.....NORTH ATLANTIC DRAINAGE, ST. JOHN RIVER
NOAA NATIONAL WEATHER SERVICE BASIN TO HUDSON RIVER BASIN, ST. LAW-
NORTHEAST RIVER FORECAST CENTER RENCE DRAINAGE IN NEW YORK AND VERMONT,
445 MYLES STANDISH BOULEVARD PLUS LAKE ERIE AND LAKE ONTARIO DRAIN-
TAUNTON, MASSACHUSETTS 02780 AGE IN NEW YORK

ACKNOWLEDGMENTS

ASSISTANCE IN THE COLLECTION OF PRECIPITATION REPORTS IS FURNISHED BY THE NEW BRUNSWICK ELECTRIC POWER COMPANY, THE NORTHEAST REGIONAL CLIMATE CENTER AND BY OFFICES OF THE NATIONAL WEATHER SERVICE IN BUFFALO, NY.; ALBANY, NY.; GRAY, ME.; CARIBOU, ME.; BROOKHAVEN, NY.; BURLINGTON, VT.; AND TAUNTON, MA. THE RESULTS THEMSELVES ARE THE RESULT OF THE PUBLIC-SPIRITED EFFORT AND COOPERATION OF THE INDIVIDUAL OBSERVERS. THESE PEOPLE ARE TOO NUMEROUS TO BE LISTED, BUT SHOULD BE APPRECIATED FOR THEIR CONTINUED SUPPORT.

WATER SUPPLY OUTLOOK FOR THE NORTHEASTERN UNITED STATES

EXPLANATION

THIS OUTLOOK IS PUBLISHED BY THE NORTHEAST RIVER FORECAST CENTER, NATIONAL WEATHER SERVICE, TAUNTON, MASSACHUSETTS.

THE PRECIPITATION DATA USED TO DEVELOP PROCEDURES EMPLOYED IN THIS OUTLOOK ARE MAINLY FROM PUBLICATIONS OF THE ENVIRONMENTAL DATA SERVICE, AND THE RUNOFF DATA MAINLY FROM PUBLICATIONS OF THE U.S. GEOLOGICAL SURVEY. WHERE REQUIRED, ADJUSTMENTS FOR CHANGES IN STORAGE HAVE BEEN USED; IN MOST CASES THESE ADJUSTMENTS ARE PUBLISHED BY THE U.S. GEOLOGICAL SURVEY.

DURING THE SNOW SEASON OF DECEMBER THROUGH APRIL, THE OUTLOOK QUANTITY IS THE TOTAL SEASONAL RUNOFF FOR DECEMBER THROUGH MAY. DURING THE REMAINDER OF THE YEAR THE OUTLOOK QUANTITY IS MONTHLY RUNOFF.

NORMALS ARE NOT USED FOR THE OUTLOOKS OF MONTHLY RUNOFFS. INSTEAD THE MEDIAN IS SHOWN FOR THE YEARS OF AVAILABLE RECORD FROM 1941 THROUGH 1970 WATER YEARS WITH NO ESTIMATIONS. OBSERVED MAXIMA AND MINIMA ARE ALSO SHOWN FOR THE SAME PERIOD. THE MOST PROBABLE RUNOFF IS SHOWN NOT ONLY IN INCHES, BUT ALSO AS A PERCENTAGE OF THE MEDIAN WHERE THIS PERCENTAGE IS MEANINGFUL.

THE EFFECTIVE PRECIPITATION FOR EACH WATERSHED CONSISTS OF THE PORTION OBSERVED TO DATE, PLUS A STATISTICAL VALUE FOR THE BALANCE. PAST RECORDS OF PRECIPITATION ARE ANALYZED AS TO PROBABILITY OF OCCURRENCE, AND THE 10TH, 50TH, AND 90TH PERCENTILES OF PROBABILITY ARE DETERMINED.

FROM THE SUBSEQUENT PRECIPITATIONS OF KNOWN PROBABILITY, A SPECTRUM OF PROBABLE RUNOFFS IS COMPUTED FOR EACH GAGING STATION. THE QUANTITIES USED ARE TERMED: MOST PROBABLE, REASONABLE MAXIMUM, AND REASONABLE MINIMUM.

DEFINITIONS ARE AS FOLLOWS:

MOST PROBABLE --
THAT RUNOFF WHICH IS EXPECTED TO OCCUR IF PRECIPITATION SUBSEQUENT TO THE DATE OF THE FORECAST IS MEDIAN.

REASONABLE MAXIMUM --
THAT RUNOFF WHICH IS EXPECTED TO OCCUR IF PRECIPITATION SUBSEQUENT TO THE DATE OF THE FORECAST IS EQUAL TO THE AMOUNT WHICH IS EXCEEDED, ON THE AVERAGE, ONE TIME OUT OF TEN.

REASONABLE MINIMUM --
THAT RUNOFF WHICH IS EXPECTED TO OCCUR, IF PRECIPITATION SUBSEQUENT TO THE DATE OF THE FORECAST IS EQUAL TO THE AMOUNT WHICH IS EXCEEDED, ON THE AVERAGE, NINE TIMES OUT OF TEN.

WATER SUPPLY OUTLOOK
JULY 1,2000
JULY RUNOFF

RIVER	Median 1941-70	Most Probable		Reasonable Maximum		Reasonable Minimum	
Gaging station	Inches	Inches	Median	Inches	ObsMax	Inches	ObsMin
ST JOHN							
Nine Mile Br	.94	.65	-	1.48	2.44	.17	.16
Dickey	.89	.83	N	1.47	2.78	.40	.39
ALLAGASH							
Allagash	1.09	.81	N	1.35	3.74	.41	.34
FISH							
Ft Kent	.93	.78	N	1.49	4.07	.40	.39
ST JOHN							
Ft Kent	.95	.70	-	1.30	3.00	.46	.45
AROOSTOOK							
Washburn	.64	.70	N	1.65	4.06	.20	.19
MEDUXNEKEAG							
Houlton	.48	.81	+	1.32	2.84	.40	.21
NARRAGUAGUS							
Cherryfield	.57	.61	N	.87	2.36	.33	.23
W BR UNION							
Amherst	.46	.54	N	.92	2.25	.15	.04
W BR PENOBSCOT							
#Millinocket	.63	.76	N	1.25	1.89	.49	-.06
E BR PENOBSCOT							
Grindstone	.76	.88	N	1.36	2.66	.56	.28
PENOBSCOT							
Mattawamkeag	.70	.85	N	1.39	2.03	.55	.13
MATTAWAMKEAG							
Mattawamkeag	.57	.76	N	1.35	2.51	.48	.15
PISCATAQUIS							
Dover-Foxcroft	.73	.59	N	1.00	2.33	.26	.17
SEBEC							
Sebec	.76	.66	N	1.06	2.28	.33	-.12
PLEASANT							
Milo	1.06	.92	N	1.32	2.62	.63	.43
PISCATAQUIS							
Medford	.77	.72	N	1.08	2.50	.46	.27
PENOBSCOT							
West Enfield	.76	.83	N	1.30	1.95	.56	.30
PASSADUMKEAG							
Lowell	1.10	.97	N	1.55	3.01	.44	.33
KENDUSKEAG STR							
Kenduskeag	.29	.26	N	.49	1.98	.04	.03
SHEEPSCOT							
N Whitefield	.49	.53	N	.83	1.33	.25	.14
KENNEBEC							
Moosehead	.97	.87	N	1.18	2.03	.46	-.04
The Forks	.81	.82	N	1.20	1.92	.42	.00

WATER SUPPLY OUTLOOK
JULY 1,2000
JULY RUNOFF

RIVER	Median 1941-70	Most Probable		Reasonable Maximum		Reasonable Minimum	
Gaging station	Inches	Inches	Median	Inches	ObsMax	Inches	ObsMin
DEAD							
Dead River	.79	.67	N	1.14	1.54	.16	.05
The Forks	.80	.74	N	1.17	1.42	.27	.19
KENNEBEC							
Bingham	.83	.79	N	1.14	1.72	.42	.06
CARRABASSET							
N Anson	.84	.71	N	.91	2.24	.32	.31
SANDY							
Mercer	.61	.59	N	.76	1.56	.27	.25
DIAMOND							
Wentworth Loc	1.05	1.16	N	1.56	3.55	.36	.26
ANDROSCOGGIN							
Errol	.99	.88	N	1.41	2.38	.17	-.11
Gorham	.93	.84	N	1.16	2.24	.21	-.05
Rumford	.84	.79	N	1.13	1.94	.24	.09
SWIFT							
Roxbury	.81	.62	N	.97	2.63	.23	.22
NEZINSCOT							
Turner Center	.54	.50	N	.69	2.16	.17	.16
L ANDROSCOGGIN							
S Paris	.56	.45	N	.62	1.50	.17	.16
Auburn	.59	.51	N	.71	1.37	.15	-.06
ANDROSCOGGIN							
Auburn	.88	.77	N	1.07	1.89	.30	.22
ROYAL							
Yarmouth	.59	.56	N	.76	1.49	.28	.21
PRESUMPSCOT							
Sebago Lk Otl	.37	.27	N	.50	1.40	-.15	-.32
SACO							
Conway	.98	1.11	N	1.57	2.65	.64	.54
MOUSAM							
W Kennebunk	.51	.51	N	.76	1.31	.19	.00
SALMON FALLS							
Milton	.34	.34	N	.62	1.11	.07	-.14
OYSTER							
Durham	.41	.34	N	.60	1.33	.10	.06
LAMPREY							
Newmarket	.51	.47	N	.77	1.35	.18	.09
PEMIGEWASSET							
Woodstock	1.19	1.00	N	1.78	3.78	.63	.57
PEMIGEWASSET							
Plymouth	.78	.67	N	1.28	2.72	.39	.35
SMITH							
Bristol	.51	.42	N	.71	1.36	.20	.12
LK WNPSKEE OTL							
Lakeport	.36	.34	N	.82	1.53	-.19	-.42

WATER SUPPLY OUTLOOK
JULY 1,2000
JULY RUNOFF

RIVER	Median 1941-70	Most Probable		Reasonable Maximum		Reasonable Minimum	
Gaging station	Inches	Inches	Median	Inches	ObsMax	Inches	ObsMin
MERRIMACK							
Franklin Jct	.89	.85	N	1.23	1.93	.60	.55
CONTOOCOOK							
Peterborough	.62	.91	N	1.20	1.73	.67	.22
NUBANUSIT BR							
Peterborough	.76	1.00	N	1.35	1.86	.70	.11
CONTOCOOK							
Henniker	.53	.73	N	1.00	1.88	.46	.18
WARNER							
Davisville	.35	.43	N	.67	1.65	.20	.08
BLACKWATER							
Webster	.54	.62	N	.90	1.81	.35	.17
S BR PISCATAQG							
Goffstown	.35	.73	+	1.10	1.53	.43	.07
PISCATAQUOG							
Goffstown	.32	.67	N	1.02	1.44	.37	.05
MERRIMACK							
Goffs Falls	.72	.75	N	1.01	1.75	.52	.35
N NASHUA							
Leominster	.73	1.06	N	1.42	1.53	.94	.46
S BR NASHUA							
Clinton	.64	.95	+	1.43	2.39	.78	-.17
SQUANNACOOK							
W Groton	.41	.83	+	1.29	1.55	.66	.15
NASHUA							
E Pepperell	.67	.97	N	1.38	1.66	.83	.30
ASSABET							
Maynard	.45	.78	+	1.17	2.52	.54	.12
SUDBURY							
Framingham Ctr	-.05	.57	+	1.03	2.24	.15	-.54
CONCORD							
Lowell	.51	.80	+	1.22	1.79	.54	.16
MERRIMACK							
Lowell	.64	.81	N	1.10	1.64	.59	.30
PARKER							
Byfield	.23	.72	+	1.12	1.44	.43	.05
CHARLES							
Dover	.53	.94	+	1.30	2.47	.73	.15
Waltham	.58	1.02	+	1.35	2.32	.77	.26
QUINSIGAMOND							
N Grafton	.79	1.17	+	1.78	2.90	.81	.12
BLACKSTONE							
Northbridge	.75	1.11	+	1.58	3.35	.79	.18
BRANCH							
Forestdale	.56	.84	+	1.08	1.93	.60	.22
BLACKSTONE							
Woonsocket	.59	.88	+	1.20	2.31	.64	.25

WATER SUPPLY OUTLOOK
JULY 1,2000
JULY RUNOFF

RIVER	Median 1941-70	Most Probable		Reasonable Maximum		Reasonable Minimum	
Gaging station	Inches	Inches	Median	Inches	ObsMax	Inches	ObsMin
WOONASQUATUCKET							
Centerdale	.98	1.20	+	1.44	2.17	.98	.50
S BR PAWTUXET							
Washington	.92	1.15	+	1.46	2.29	.88	.28
PAWTUXET							
Cranston	.62	.99	+	1.34	2.52	.69	.02
PAWCATUCK							
Wood Rvr Jct	.97	1.29	+	1.61	1.96	1.01	.44
WOOD							
Hope Valley	.98	1.34	+	1.69	2.31	1.05	.44
PAWCATUCK							
Westerly	.84	1.24	+	1.58	2.52	.95	.40
WILLIMANTIC							
S Coventry	.77	1.27	+	1.66	1.83	1.02	.21
MOUNT HOPE							
Warrensville	.54	.91	+	1.15	1.37	.66	.06
NATCHAUG							
Willimantic	.55	.94	+	1.24	1.45	.74	.08
SHETUCKET							
Willimantic	.61	1.05	+	1.42	1.48	.88	.14
QUINEBAUG							
$Southbridge	.75	1.27	+	1.64	2.51	1.00	.13
Quinebaug	.62	1.17	+	1.55	2.29	.93	.13
LITTLE							
Oxford	.48	.96	+	1.30	2.80	.73	.07
FRENCH							
Webster	.63	1.59	+	2.09	3.09	1.27	.31
QUINEBAUG							
Putnam	.57	1.45	+	1.94	2.09	1.07	.18
QUINEBAUG							
Jewett City	.66	1.10	+	1.33	1.79	.87	.22
YANTIC							
Yantic	.43	.97	+	1.19	1.19	.71	.10
CONNECTICUT							
Frst Conn Lake	1.27	1.52	N	3.09	3.82	.56	-.08
N Stratford	.98	1.12	N	1.71	3.39	.60	.28
UPPR AMMONOOSUC							
Groveton	1.01	1.04	N	1.59	2.22	.61	.60
CONNECTICUT							
Dalton	1.02	1.07	N	1.57	2.60	.64	.42
MOOSE							
St Johnsbury	.66	.69	N	1.12	1.87	.24	.23

WATER SUPPLY OUTLOOK
JULY 1,2000
JULY RUNOFF

RIVER	Median 1941-70	Most Probable		Reasonable Maximum		Reasonable Minimum	
Gaging station	Inches	Inches	Median	Inches	ObsMax	Inches	ObsMin
PASSUMPSIC							
Passumpsic	.81	.98	N	1.47	2.36	.57	.36
AMMONOOSUC							
Bethlehem Jct	1.02	1.35	N	1.89	2.19	.80	.63
Bath	.73	.93	N	1.35	1.51	.51	.34
CONNECTICUT							
Wells River	.93	1.13	N	1.56	2.10	.78	.51
WELLS							
Wells River	.67	.74	N	.96	1.41	.52	.30
OMPOMPANOOSUC							
Union Village	.62	.77	+	.95	1.73	.40	.12
WHITE							
West Hartford	.62	.83	N	1.06	2.21	.50	.18
CONNECTICUT							
West Lebanon	.79	.94	N	1.29	1.80	.65	.42
MASCOMA							
W Canaan	.47	.65	N	.85	2.75	.42	.12
Mascoma	.39	.53	N	.78	2.52	.28	.00
OTTAUQUECHEE							
N Hartland	.56	.83	N	1.06	1.76	.59	.18
SUGAR							
W Claremont	.35	.59	N	.83	1.65	.45	.00
BLACK							
N Springfield	.59	.89	+	1.17	1.93	.67	.13
WILLIAMS							
Brockway Mills	.39	.65	+	.93	1.06	.51	.10
SAXTONS							
Saxtons River	.40	.63	+	.90	1.51	.44	.11
CONNECTICUT							
N Walpole	.71	.90	N	1.20	1.71	.67	.36
COLD							
Drewsville	.32	.59	+	.82	1.53	.39	.09
WEST							
Jamaica	.36	1.01	+	1.49	1.94	.76	.09
Newfane	.49	.77	+	1.18	1.59	.61	.11
ASHUELOT							
Gilsum	.35	.70	+	.90	1.86	.47	.07
Keene	.33	.65	N	.86	.94	.46	.07
OTTER BR							
Keene	.31	.74	+	1.08	2.20	.51	.06
S BR ASHUELOT							
Marlboro	.54	.90	+	1.24	2.17	.66	.09

WATER SUPPLY OUTLOOK
JULY 1,2000
JULY RUNOFF

RIVER	Median 1941-70	Most Probable		Reasonable Maximum		Reasonable Minimum	
Gaging station	Inches	Inches	Median	Inches	ObsMax	Inches	ObsMin
ASHUELOT							
Hinsdale	.50	.78	N	1.07	2.29	.57	.17
MILLERS							
Winchendon	.51	1.16	+	1.62	2.13	.85	.11
S Royalston	.56	1.19	+	1.61	2.27	.94	.18
E BR TULLY							
Athol	.37	.89	+	1.27	2.66	.63	.09
MILLERS							
Erving	.62	1.17	+	1.56	2.52	.90	.18
CONNECTICUT							
Turners Falls	.76	.93	N	1.18	1.79	.70	.30
DEERFIELD							
Charlemont	.65	1.51	+	1.93	3.05	1.05	.17
NORTH							
Shattuckville	.52	1.51	+	1.95	2.32	1.06	.23
DEERFIELD							
W Deerfield	.67	1.50	+	1.87	2.73	1.11	.20
CONNECTICUT							
Montague City	.78	.97	+	1.21	1.88	.75	.33
MILL							
Northhampton	.67	1.42	+	1.71	2.30	1.18	.20
WARE							
Barre	.43	1.36	+	1.72	1.91	1.03	.09
Coldbrook	.59	1.46	+	1.93	1.95	1.11	.13
Gibbs Crossing	.61	1.43	+	1.93	2.13	1.11	.21
E BR SWIFT							
Hardwick	.39	1.26	+	1.75	2.82	.95	.09
SWIFT							
W Ware	.63	1.96	+	2.75	3.50	1.37	-.38
QUABOAG							
W Brimfield	.54	1.31	+	1.64	2.47	.99	.13
CHICOPEE							
Indian Orchard	.67	1.52	+	1.97	2.46	1.17	.16
WESTFIELD							
Knightville	.68	1.39	+	1.77	2.99	1.10	.23
M BR WESTFIELD							
Goss Heights	.53	1.57	+	1.94	2.78	1.26	.11
W BR WESTFIELD							
Huntington	.59	1.56	+	1.99	3.44	1.26	.12
LITTLE							
Cobble Mt Res	.37	1.47	+	2.01	2.85	1.07	-.08
WESTFIELD							
Westfield	.68	1.35	+	1.69	2.70	1.10	.27
CONNECTICUT							
Thompsonville	.73	1.00	+	1.21	1.87	.79	.32
W BR FARMINGTON							
New Boston	.58	1.77	+	2.33	3.60	1.37	.06
#Riverton	.62	1.46	+	1.87	3.60	1.14	.12

WATER SUPPLY OUTLOOK
JULY 1,2000
JULY RUNOFF

RIVER	Median 1941-70	Most Probable		Reasonable Maximum		Reasonable Minimum	
Gaging station	Inches	Inches	Median	Inches	ObsMax	Inches	ObsMin
BURLINGTON BR							
Burlington	.89	2.14	+	2.43	2.43	1.69	.22
PEQUABUCK							
Forestville	1.06	1.79	+	2.11	2.27	1.55	.62
FARMINGTON							
Rainbow	.88	1.39	+	1.69	2.43	1.15	.21
S BR PARK							
Hartford	1.04	1.30	+	1.54	2.14	1.07	.45
N BR PARK							
Hartford	.39	.75	+	.98	1.55	.57	.05
HOCKANUM							
E Hartford	.79	1.20	+	1.50	1.63	.92	.32
SALMON							
E Hampton	.48	.88	+	1.18	1.20	.64	.09
E BR EIGHTMILE							
N Lyme	.46	1.20	+	1.47	1.47	.85	.06
QUINNIPIAC							
Wallingford	1.03	1.39	+	1.70	1.78	1.17	.42
HOUSATONIC							
Gt Barrington	.89	1.89	+	2.19	4.69	1.61	.38
Falls Village	.79	1.86	+	2.21	4.20	1.55	.31
TENMILE							
Gaylordsville	.62	1.24	+	1.51	2.72	.97	.10
HOUSATONIC							
Gaylordsville	.77	1.76	+	2.06	3.68	1.42	.27
POMPERAUG							
Southbury	.61	1.44	+	1.83	2.01	1.10	.15
HOUSATONIC							
Stevenson	.75	1.42	+	1.71	3.25	1.19	.22
NAUGATUCK							
$Thomaston	.79	1.30	+	1.85	2.83	1.02	.20
Beacon Falls	.82	1.51	+	2.06	2.46	1.24	.19
BLIND BR							
Rye	.58	.84	+	1.18	2.52	.48	.14
BEAVER SWAMP BR							
Mamaroneck	.52	.73	+	1.06	1.58	.38	.09
BRONX							
Bronxville	.95	1.14	+	1.50	1.61	.80	.34
HUDSON							
Newcomb	.80	1.53	+	2.11	3.53	1.16	.26
INDIAN							
Indian Lake	.92	1.49	+	1.85	3.78	1.18	.18

WATER SUPPLY OUTLOOK
JULY 1,2000
JULY RUNOFF

RIVER	Median 1941-70	Most Probable		Reasonable Maximum		Reasonable Minimum	
Gaging station	Inches	Inches	Median	Inches	ObsMax	Inches	ObsMin
E BR SACANDAGA							
Griffin	.35	1.13	+	1.53	3.43	.77	.09
SACANDAGA							
*Stewarts Brdge	.52	1.10	+	1.34	2.86	.79	.03
BOND CR							
Dunham Basin	.16	.66	+	.87	1.84	.49	.04
BATTEN KILL							
Arlington	1.10	1.39	+	1.70	2.70	1.00	.47
Battenville	.74	1.08	+	1.38	1.63	.69	.28
KAYADRSSRAS CR							
W Milton	.65	.86	+	1.13	1.68	.69	.00
HOOSIC							
Adams	.95	2.22	+	2.70	4.03	1.67	.60
N BR HOOSIC							
N Adams	.76	1.92	+	2.46	3.95	1.27	.24
HOOSIC							
Williamstown	1.03	1.84	+	2.20	3.43	1.43	.53
GREEN							
Williamstown	.54	1.75	+	1.87	1.87	1.37	.25
WALLOOMSAC							
N Bennington	1.02	2.26	+	2.88	2.88	1.41	.41
HOOSIC							
Eagle Bridge	.70	1.25	+	1.56	3.03	.93	.32
MOHAWK							
*Delta Dam	.91	1.63	+	2.09	3.77	1.12	.20
W CANADA CR							
*Kast Bridge	.81	1.90	+	2.51	2.81	1.55	.20
E CANADA CR							
East Creek	.91	2.07	+	2.61	2.85	1.70	.24
OTSQUAGO CR							
Ft Plain	.16	.67	+	.88	1.94	.56	.07
SCHOHARIE CR							
#Schoharie Res	.49	1.86	+	2.23	3.04	1.55	.05
CATSKILL CR							
Oak Hill	.09	.57	+	.70	.87	.47	.00
ESOPUS CR							
#Esopus Res	.41	2.07	+	2.76	6.57	1.32	-.19
RONDOUT CR							
#Rondout Res	.74	2.68	+	3.43	7.02	1.79	-.02
WALKILL CR							
Unionville	.55	1.13	+	1.70	4.84	.72	.07
POCHUCK CR							
Pine Island	.47	1.17	+	1.77	3.72	.79	.08
QUAKER CR							
Florida	.20	.72	+	1.17	2.09	.42	.03
WALKILL							
Gardiner	.62	.86	+	1.18	3.94	.57	.05

WATER SUPPLY OUTLOOK
JULY 1,2000
JULY RUNOFF

RIVER	Median 1941-70	Most Probable		Reasonable Maximum		Reasonable Minimum	
Gaging station	Inches	Inches	Median	Inches	ObsMax	Inches	ObsMin
WAPPINGER CR							
Wappingers Fs	.45	.92	+	1.24	2.76	.65	.07
CROTON							
#Croton Res	.52	1.07	+	1.56	2.99	.71	-.02
CATTARAUGUS CR							
Gowanda	.53	1.25	+	1.72	1.96	.98	.21
BUFFALO CR							
Gardenville	.20	.58	+	.82	1.02	.46	.05
CAZENOVIA CR							
Ebenezer	.23	.70	+	1.01	1.07	.55	.05
TONAWANDA CR							
Batavia	.19	.60	+	.83	1.21	.47	.04
GENESEE							
Wellsville	.36	1.04	+	1.33	2.25	.65	.11
CANEADEA CR							
Caneadea	.21	.68	+	.85	2.20	.54	.03
GENESEE							
Portageville	.40	.84	+	1.03	1.49	.61	.08
CANASERAGA CR							
Dansville	.42	.70	+	.84	.91	.57	.15
GENESEE							
Jones Bridge	.37	.77	+	.95	1.95	.57	.07
CANADICE OTL							
Hemlock	-.11	.35	+	.62	.77	.12	-.68
OATKA CR							
Garbutt	.26	.62	+	.75	1.01	.49	.18
BLACK CR							
Churchville	.12	.31	+	.41	1.30	.24	.04
CAYUGA INLET							
Ithaca	.39	.68	+	.86	1.17	.51	.12
FALL CR							
Ithaca	.47	1.02	+	1.21	1.33	.76	.14
CANANDAIGUA OTL							
Chapin	.02	.41	+	.61	.96	.24	-.29
ONEIDA CR							
Oneida	.48	.81	+	1.01	2.32	.67	.24
LIMESTONE CR							
Fayetteville	.54	1.19	+	1.48	1.50	.95	.33
ONEIDA							
*Caughdenoy	.54	1.34	+	1.72	2.16	1.04	.29
OSWEGO							
*Oswego	.67	1.05	+	1.26	1.63	.86	.32
BLACK							
*Boonville	1.27	2.23	+	2.71	3.83	1.67	.43
INDEPENDENCE							
Donattsburg	.97	1.57	+	2.13	3.23	1.14	.33
BEAVER							
Beaver River	1.06	2.12	+	3.03	3.25	1.45	.39

WATER SUPPLY OUTLOOK
JULY 1,2000
JULY RUNOFF

RIVER	Median 1941-70	Most Probable		Reasonable Maximum		Reasonable Minimum	
Gaging station	Inches	Inches	Median	Inches	ObsMax	Inches	ObsMin
OSWEGATCHIE							
Cranberry Lake	.89	1.32	+	1.94	2.37	1.03	.13
W BR OSWGTCHIE							
Harrisville	.76	1.06	+	1.54	2.68	.76	.28
GRASS							
Pyrites	.79	1.18	+	1.66	2.64	.82	.42
ST REGIS							
Brasher Ctr	.86	1.21	+	1.69	2.55	.93	.42
E BR AUSABLE							
Au Sable Fks	.57	1.21	+	2.01	3.53	.96	.25
LAKE GEORGE OTL							
*Ticonderoga	.23	.79	+	1.06	1.99	.54	-.36
POULTNEY							
Fair Haven	.30	.66	+	.87	3.63	.46	.04
OTTER CR							
Center Rutland	.78	1.04	N	1.31	2.65	.76	.29
Middlebury	.75	1.00	N	1.26	2.39	.67	.23
JAIL BRANCH							
E Barre	.29	.55	+	.72	1.04	.22	.05
N BR WINOOSKI							
Wrightsville	.39	.74	N	1.27	2.91	.33	.12
WINOOSKI							
Montpelier	.56	.80	N	1.07	1.61	.49	.24
DOG							
Northfield Fs	.45	.73	+	1.02	1.67	.35	.14
MAD							
Moretown	.65	.87	N	1.22	2.05	.44	.19
LITTLE							
Waterbury	.77	1.12	N	1.85	3.18	.53	.32
WINOOSKI							
Essex Jct	.66	.92	+	1.20	1.62	.55	.26
LAMOILLE							
Johnson	.80	.97	N	1.36	1.95	.67	.50
E Georgia	.76	1.02	N	1.41	2.00	.72	.48
MISSISQUOI							
N Troy	.69	.88	N	1.38	3.13	.53	.31
Richford	.59	.82	N	1.37	2.98	.45	.21
RICHELIEU							
*Lk Chmpln Infl	.59	.92	N	1.43	2.40	.61	.17
CLYDE							
Newport	1.06	1.17	N	1.65	2.26	.72	.58

---WATER SUPPLY OUTLOOK -- NOMENCLATURE---

Runoffs are from data supplied by the U.S. GEOLOGICAL SURVEY and include necessary adjustments .

* Estimated changes in storage

+ Runoffs not from USGS

$ Runoffs partly estimated from nearby gages

---CLASSIFICATIONS OF RANGE---

Runoffs excessive - Top 25%

N Runoffs normal - Middle 50 %

- Runoffs deficient - Bottom 25 %

	ACTUAL JUL-JUN	NORMAL JUL-JUN	DEPARTURE	%	ACTUAL JUN	NORMAL JUN	DEPART
STATE... ME							
FORT KENT	38.96	36.12	2.84	107.86	2.22	3.16	-.94
CARIBOU WSO	43.96	36.59	7.37	120.14	2.88	3.18	-.30
PRESQUE ISLE	43.87	36.12	7.75	121.46	2.54	3.37	-.83
HOULTON	40.34	37.20	3.14	108.44	2.95	2.96	-.00
BRASSAU DAM	47.16	39.29	7.87	120.03	2.24	3.72	-1.48
JACKMAN	44.85	37.08	7.77	120.95	2.51	3.56	-1.05
WOODLAND	44.37	46.07	-1.70	96.31	1.49	3.27	-1.78
EASTPORT	49.13	43.82	5.31	112.12	1.85	3.08	-1.23
MIDDLE DAM	46.09	36.39	9.70	126.66	1.90	3.75	-1.85
ELLSWORTH	49.93	46.41	3.52	107.58	2.03	2.88	-.85
RUMFORD POWER PLANT	38.22	43.84	-5.62	87.18	1.64	3.81	-2.17
WATERVILLE PUMP STN	46.94	41.44	5.50	113.27	2.97	3.19	-.22
GARDINER	50.07E	44.36	5.71	112.87	1.84E	3.32	-1.48
LEWISTON	52.22	45.76	6.46	114.12	1.96	3.39	-1.43
PORTLAND WSFO	37.44	43.52	-6.08	86.03	2.07	3.06	-.99
STATE... NH							
FIRST CONN LAKE	52.97E	43.75	9.22	121.07	3.15E	4.65	-1.50
DIXVILLE NOTCH	53.26	46.06	7.20	115.63	2.17	4.83	-2.66
ERROL	44.82	38.11	6.71	117.61	2.17	3.76	-1.59
MILAN 7 NNW	44.82E	38.11	6.71	117.61	2.17E	3.77	-1.60
PINKHAM NOTCH	62.96E	57.90	5.06	108.74	2.87E	4.83	-1.96
WOODSTOCK	57.24	45.17	12.07	126.72	2.33	3.77	-1.44
HANOVER	41.67E	36.67	5.00	113.64	3.14E	3.01	.13
NEWPORT	45.10E	38.38	6.72	117.51	4.68E	3.24	1.44
BRADFORD	55.01	44.26	10.75	124.29	5.99	3.37	2.62
MASSABESIC LAKE	42.57	39.87	2.70	106.77	3.45	3.22	.23
NASHUA 2 NNW	51.94	43.27	8.67	120.04	4.90	3.14	1.76
CONCORD WSO	44.82	36.53	8.29	122.69	3.16	2.91	.25
STATE... VT							
NEWPORT	46.80	39.94	6.86	117.18	4.31	4.16	.15
WEST BURKE	48.09	40.74	7.35	118.04	2.70	4.16	-1.46
BURLINGTON WSO	42.26	33.69	8.57	125.44	3.55	3.64	-.09
SAINT JOHNSBURY	42.62	36.41	6.21	117.06	1.82	3.58	-1.76
CHELSEA	43.74	36.66	7.08	119.31	2.24	3.10	-.86
ROCHESTER	46.94	43.37	3.57	108.23	4.20	3.44	.76
RUTLAND	48.12	34.91	13.21	137.84	5.43	3.61	1.82
CAVENDISH	50.25E	43.30	6.95	116.05	4.32E	3.90	.42
DORSET 1 S	52.97E	46.80	6.17	113.18	4.35E	4.48	-.13
BELLOWS FALLS	51.24	40.40	10.84	126.83	6.10	3.04	3.06
SEARSBURG STATION	56.62	53.29	3.33	106.25	5.29	3.93	1.36
VERNON	50.86	43.53	7.33	116.84	5.74	3.65	2.09
STATE... MA							
LAWRENCE	46.78	42.56	4.22	109.92	4.65	3.19	1.46
ASHBURNHAM	48.72	47.48	1.24	102.61	6.50	3.58	2.92
PLAINFIELD	49.53	47.74	1.79	103.75	9.07	3.73	5.34
PETERSHAM 3 N	51.41	42.46	8.95	121.08	5.82	3.87	1.95
FITCHBURG 2 S	48.72E	45.78	2.94	106.42	6.50E	3.43	3.07
CLINTON	51.33	46.97	4.36	109.28	5.39	3.43	1.96
BOYLSTON	47.20E	46.73	.47	101.01	5.81E	3.49	2.32
STOCKBRIDGE	54.21	43.73	10.48	123.97	9.18	3.69	5.49
BELCHERTOWN	53.64	46.02	7.62	116.56	8.43	3.73	4.70
HOLYOKE	49.44	43.76	5.68	112.98	7.51	3.48	4.03
BLUE HILLS	58.28	49.14	9.14	118.60	7.45	2.99	4.46
WEST OTIS	51.62E	43.97	7.65	117.40	7.69E	3.59	4.10
SOUTHBRIDGE 3 SW	52.89	49.75	3.14	106.31	5.96	3.70	2.26
BROCKTON	53.98	46.32	7.66	116.54	4.73	2.95	1.78
BOSTON WSFO	44.28	43.81	.47	101.07	6.61	2.92	3.69
WORCESTER WSO	47.20	47.60	-.40	99.16	5.81	3.46	2.35

	ACTUAL JUL-JUN	NORMAL JUL-JUN	DEPARTURE	%	ACTUAL JUN	NORMAL JUN	DEPART
STATE... CT							
NORFOLK 2 SW	56.38	53.08	3.30	106.22	7.04	4.24	2.80
HARTFORD WSO	50.03	44.39	5.64	112.71	6.77	3.38	3.39
STORRS	54.14	47.30	6.84	114.46	4.85	3.22	1.63
WIGWAM RESERVOIR	56.38	46.10	10.28	122.30	6.15	3.48	2.67
ROCKY RIVER DAM	53.76	45.64	8.12	117.79	8.02	3.48	4.54
SHUTTLE MEADOW RSVR	56.45	49.60	6.85	113.81	6.57	3.33	3.24
MIDDLETOWN 4 W	56.45	50.10	6.35	112.67	6.57	3.57	3.00
COCKAPONSET RGR STN	53.50	49.99	3.51	107.02	7.12	3.19	3.93
PUTNAM LAKE	50.61	50.50	.11	100.22	5.11	3.78	1.33
BRIDGEPORT WSO	42.02	41.56	.46	101.11	3.96	2.90	1.06
STATE... RI							
WOONSOCKET	50.56	46.80	3.76	108.03	5.55	3.16	2.39
PROVIDENCE WSO	46.10	45.32	.78	101.72	4.78	2.79	1.99
KINGSTON	48.32	48.49	-.17	99.65	3.31	2.92	.39
BLOCK ISLAND	48.32	41.91	6.41	115.29	3.31	2.28	1.03
STATE... NY							
CHASM FALLS	50.26	41.02	9.24	122.53	3.69	3.80	-.11
PERU 2 WSW	42.08E	28.92	13.16	145.50	2.69E	3.00	-.31
WANAKENA RGR SCHOOL	42.23	42.14	.09	100.21	2.95	3.56	-.61
TUPPER LAKE SUNMOUNT	47.30	38.62	8.68	122.48	3.43	3.52	-.09
SABATTIS 3 NE	42.30E	41.75	.55	101.32	3.62E	3.68	-.06
BEAVER FALLS	44.69	36.47	8.22	122.54	3.22	3.23	-.00
BIGMOOSE 3 E	60.00	51.14	8.86	117.32	5.53	4.16	1.37
INDIAN LAKE 2 SW	44.39	39.73	4.66	111.73	3.72	3.40	.32
HIGHMARKET	58.50	52.87	5.63	110.65	3.48	4.40	-.92
LYONS FALLS	58.50	44.82	13.68	130.52	3.48	3.69	-.21
BENNETT BRIDGE	55.57	49.04	6.53	113.32	2.50	3.61	-1.11
HINCKLEY	48.97	49.63	-.66	98.67	4.43	4.29	.14
HOPE	49.70	44.64	5.06	111.34	5.20	3.66	1.54
CONKLINGVILLE DAM	50.82	42.11	8.71	120.68	4.80	3.44	1.36
ROCHESTER WSO	38.03	31.27	6.76	121.62	4.47	2.78	1.69
BALDWINSVILLE	41.03	40.29	.74	101.84	4.54	3.54	1.00
BATAVIA	42.25	33.97	8.28	124.37	5.66	3.28	2.38
BUFFALO WSFO	38.94	37.52	1.42	103.78	6.51	2.72	3.79
SYRACUSE WSO	36.81	39.11	-2.30	94.12	4.46	3.63	.83
FRANKFORT LOCK 19	52.96	40.65	12.31	130.28	6.69	4.24	2.45
GLOVERSVILLE	47.21	42.03	5.18	112.32	3.86	3.83	.03
TRIBES HILL	40.45	37.89	2.56	106.76	3.91	3.34	.57
HEMLOCK	38.25	31.04	7.21	123.23	4.18	3.55	.63
DANSVILLE	33.20	31.12	2.08	106.68	4.63	3.66	.97
CORTLAND	37.26	41.21	-3.95	90.41	6.05	3.95	2.10
ITHACA CORNELL UNIV.	40.08	35.27	4.81	113.64	4.86	3.73	1.13
ALFRED	42.49	36.77	5.72	115.56	6.01	4.09	1.92
MILLBROOK	41.47	40.60	.87	102.14	5.96	3.69	2.27
POUGHKEEPSIE	49.13	40.16	8.97	122.34	7.02	3.43	3.59
WEST POINT	55.12	48.76	6.36	113.04	7.14	3.79	3.35
NEW YORK CENTRAL PK	39.86	44.12	-4.26	90.34	4.86	3.23	1.63
ALBANY WSFO	45.63	35.74	9.89	127.67	6.70	3.29	3.41

E... THIS VALUE IS USUALLY ESTIMATED

NORMALS BASED ON NWS VALUES FOR 1951 TO 1980 PERIOD