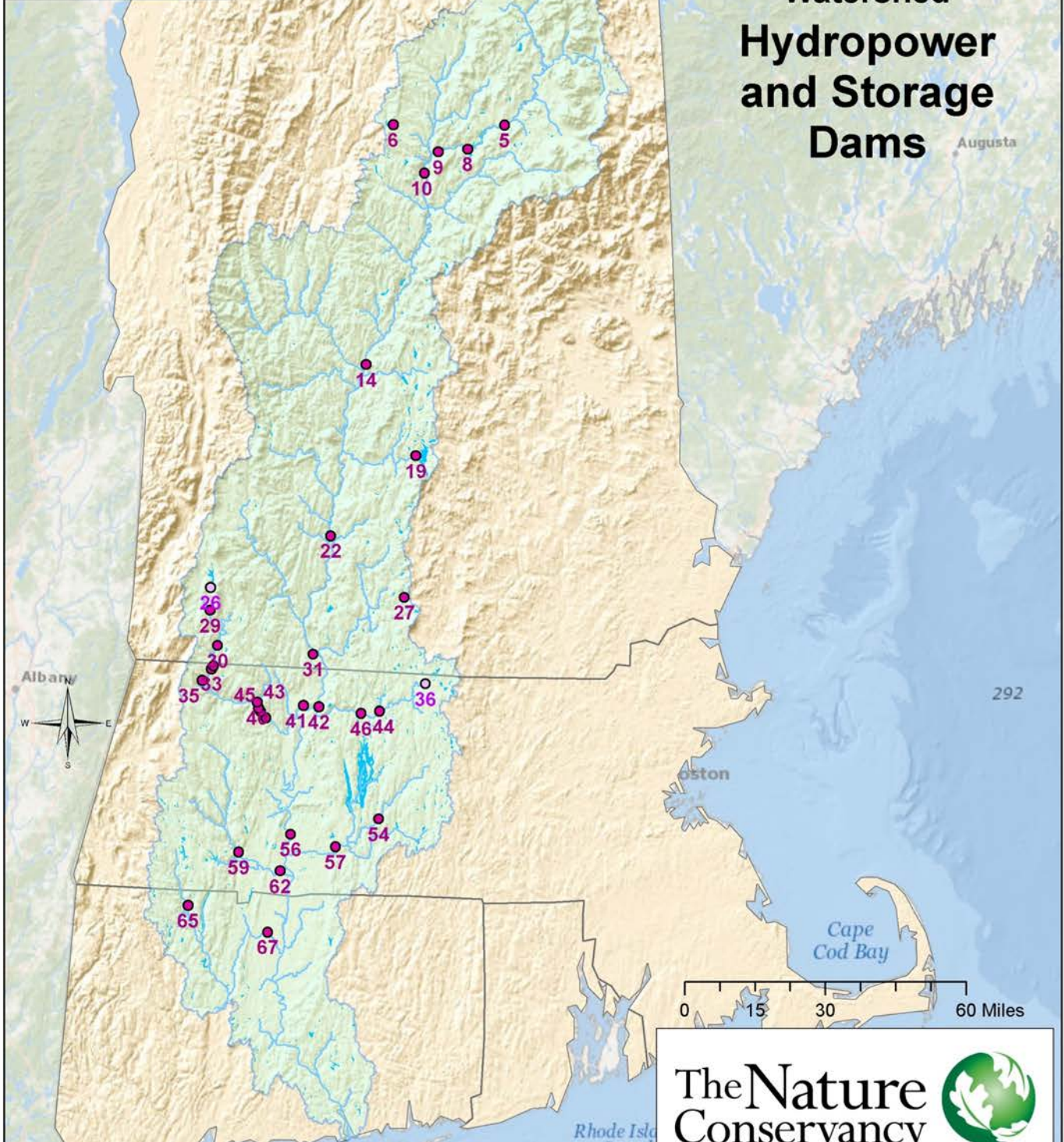


Appendix A

Large Dams of the Connecticut River Watershed



Connecticut River Watershed Hydropower and Storage Dams



Map: Peter W. Seaver, World Physical Map; US National Park Service; Ocean basemap: Esri, GEBCO, NOAA, National Geographic, DeLorme, HERE, Geonames.org, and other contributors; Shaded Relief: USGS - National Geospatial Technical Operations Center (NGTOC); New England Boundaries: Office of Geographic Information (MassGIS), Commonwealth of Massachusetts; MassIT Watershed Boundary Dataset; United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS); the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).



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Table 1. Hydropower Storage

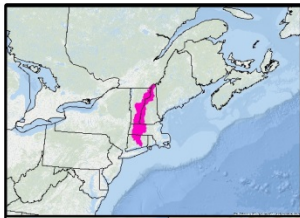
Map ID	Dams	Owner	River	Major Tributary	State	Location	Built	Storage (Ac.-ft.)
1	Second Connecticut Lake	NHDES - Dam Bureau	Connecticut River	Mainstem	NH	Pittsburg	1935	12,500
2	First Connecticut Lake	TransCanada	Connecticut River	Mainstem	NH	Pittsfield	1930	114,000
3	Lake Francis	NHDES - Dam Bureau	Connecticut River	Mainstem	NH	Clarksville	1935	132,000
26	Somerset Dam	TransCanada	Deerfield River	Deerfield River	VT	Somerset	1913	57,345
36	Whitney Pond	Town of Winchendon Public Works	Millers River	Millers River	MA	Winchendon	1880	2,186

Table 2. Hydropower

Map ID	Dams	Owner	River	Major Tributary	State	Location	Built	Annual MW
4	Canaan	Public Service of NH	Connecticut River	Mainstem	VT	Canaan	1943	1.1
5	Gilman	Ampersand Gilman Hydro LP	Connecticut River	Mainstem	VT	Lunenburg	1898	4.85
6	Danville	Green Mountain Power Corporation	Joes Brook	Passumpsic River	VT	Danville	1916	1
8	Moore Station Dam	TransCanada	Connecticut River	Mainstem	NH, VT	Littleton, NH and Waterford, VT	1957	192
9	Comerford Dam	TransCanada	Connecticut River	Mainstem	VT	Barnet	1930	144
10	McIndoes Falls	TransCanada	Connecticut River	Mainstem	VT	Barnet	1931	11
14	Wilder Dam Hydro Project	TransCanada	Connecticut River	Mainstem	NH	West Lebanon	1950	35.5
19	Sugar River II	Sugar River Hydroelectric Power Company	Sugar River	Sugar River	NH	Sunapee	1928	0.2
22	Bellows Falls Dam	TransCanada	Connecticut River	Mainstem	NH	Walpole	1907	49
27	Silver Lake Reservoir	Green Mountain Power Corporation	Sucker Brook River	Ashuelot	VT	Leicester	1926	2.2
29	Searsburg Dam	TransCanada	Deerfield River	Deerfield River	VT	Searsburg	1922	5
30	Harriman Dam	TransCanada Hydro	Deerfield River	Deerfield River	VT	Whitingham	1924	41
31	Vernon Dam	TransCanada	Connecticut River	Mainstem	NH, VT	Vernon, VT and Hinsdale, NH	1909	37
32	Sherman Dam	TransCanada	Deerfield River	Deerfield River	MA	Rowe and Monroe	1927	6
33	#5 Development	TransCanada	Deerfield River	Deerfield River	MA	Rowe, Florida	1910	14

Table 2. Hydropower (continued)

Map ID	Dams	Owner	River	Major Tributary	State	Location	Built	Annual MW
35	Bear Swamp Generating Station	New England Power Company	Deerfield River	Deerfield River	MA	Florida	1974	610
40	#4 Development	TransCanada	Deerfield River	Deerfield River	MA	Buckland, Shelburne	1912	6
41	Turners Falls Dam	First Light Hydro Generating Company	Connecticut River	Mainstem	MA	Montague	1798	62
42	Northfield Mountain	First Light Hydro Generating Company	Connecticut River	Mainstem	MA	Northfield	1973	1143
47	#2 Development	TransCanada	Deerfield River	Deerfield River	MA	Conway, Shelburne	1913	7
54	Ware Upper and Lower	Ware River Power	Ware River	Ware River	MA	Ware	1890	1.3
56	Holyoke Dam	City of Holyoke, Gas & Electric Dept.	Connecticut River	Mainstem	MA	Holyoke	1900	15
57	Red Bridge Dam	Esential Power, LLCs	Chicopee River	Chicopee River	MA	Wilbraham, Ludlow, Palmer, and Belchertown	1901	4.5
59	Woronoco Mills Dam	Woronoco Hydro LLC (Swift River Company)	Westfield River	Westfield River	MA	Russel	1938	2.7
62	West Springfield Hydro Project	A & D Hydro, Inc.	Westfield River	Westfield River	MA	Russel	1840	1.4
65	West Branch Reservoir	Metropolitan District Commission	West Branch Farmington River	Colebrook River Lake	CT	Hartland	1960	1.695
67	Rainbow Dam	Farmington River Power Company	Farmington River	Farmington River	CT	Windsor, CT	1925	8



Connecticut River Watershed Recreation Dams



Map: Peter W. Seaver, World Physical Map; US National Park Service; Ocean basemap: Esri, GEBCO, NOAA, National Geographic, DeLorme, HERE, Geonames.org, and other contributors. Shaded Relief: USGS - National Geospatial Technical Operations Center (NGTOC). New England Boundaries: Office of Geographic Information (MassGIS), Commonwealth of Massachusetts; MassIT. Watershed Boundary Dataset: United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS); the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).

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Table 3. Recreation

Map ID	Dams	Owner	River	Major Tributary	State	Location	Built
7	Forest Lake	Forest Lake Improvement Association	Ashuelot River	Ashuelot River	NH	Winchester	1925
11	Lake Groton	Vermont DEC	Wells River	Wells River	VT	Groton	1968
13	Goose Pond Dam	NHDES - Dam Bureau	Goose Pond Brook	Mascoma River	NH	Canaan	1918
15	Mascoma Lake Dam	NHDES - Dam Bureau	Mascoma River	Mascoma River	NH	Enfield	1881
16	Crystal Lake Dam	NH Water Resource Council	Suncook River	Mascoma River	NH	Gilmanton	1958
18	Grafton Pond Dam	NHDES - Dam Bureau	Bicknell Brook	Mascoma River	NH	Enfield	1918
20	Lake Sunapee Dam	NHDES-WD, Dam Bureau	Sugar River	Sugar River	NH	Sunapee	1932
34	Lake Monomonac Dam	Winchendon Public Works	North Branch Millers River	Millers River	MA	Winchendon	1923
58	Otis Reservoir Dam	MA Department of Conservation and Recreation	Fall River	Fall River	MA	East Otis	1888
72	Moodus	CT Dept. of Energy & Environmental Protection	Moodus River	Salmon River	CT	East Haddam	1882
73	Bashan Lake	State of CT	Moodus River	Salmon	CT	East Haddam	1939



Connecticut River Watershed Flood-Damage Risk Management Dams



Map: Peter W. Seaver, World Physical Map; US National Park Service; Ocean basemap: Esri, GEBCO, NOAA, National Geographic, DeLorme, HERE, Geonames.org, and other contributors. Shaded Relief: USGS - National Geospatial Technical Operations Center (NGTOC), New England; Boundaries: Office of Geographic Information (MassGIS), Commonwealth of Massachusetts; MassGIS Watershed Boundary Dataset; United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS); the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).

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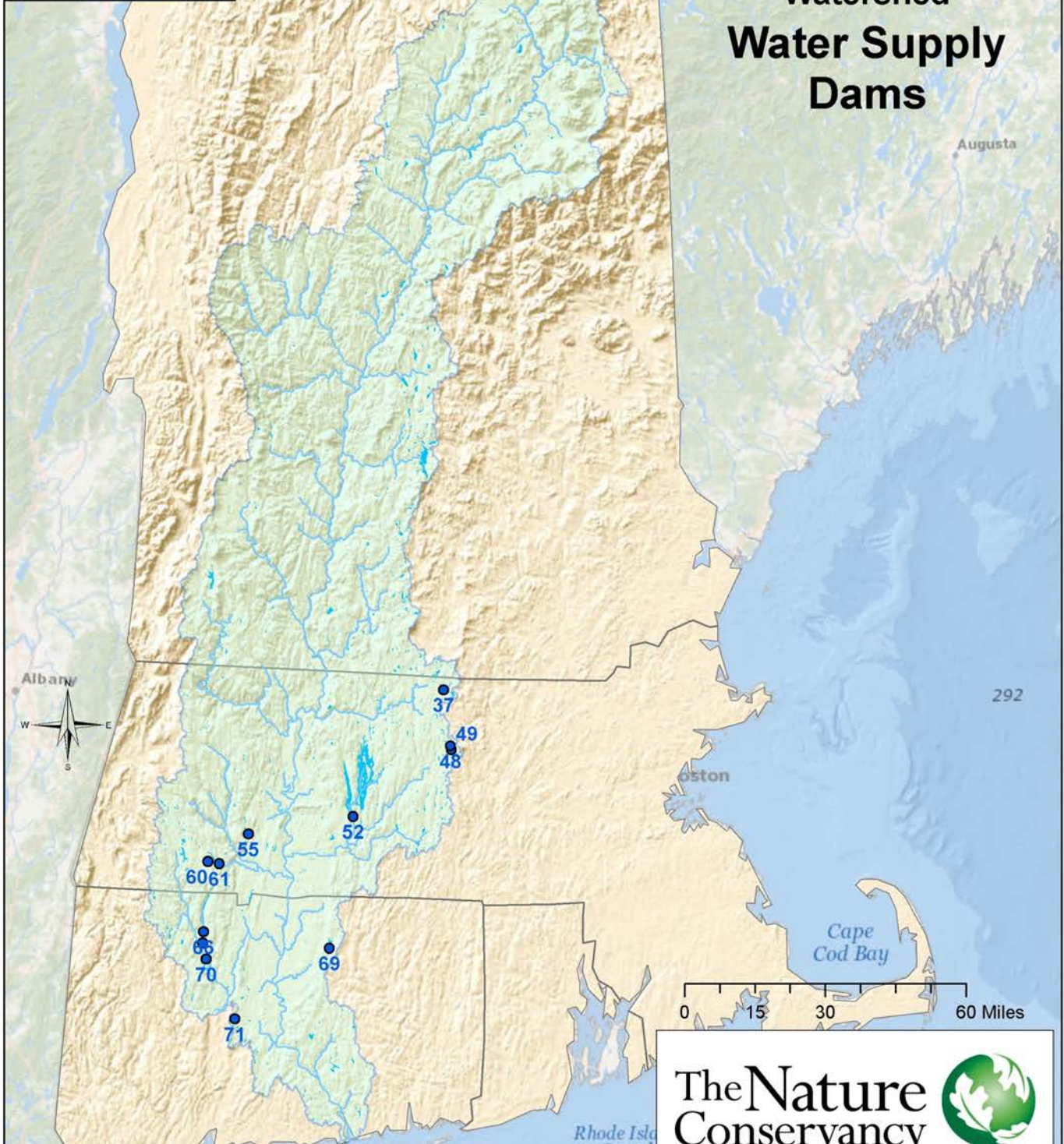
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Table 4. Flood-Damage Risk Management Dams

Map ID	Dams	Owner	River	Major Tributary	State	Location	Built	Towns Supplied / Protected
12	Union Village Dam	USACE	Ompompanoosuc River	Ompompanoosuc River	VT	East Thetford	1950	Union Village Section of Thetford, Norwich, White River Junction and Wilder Village Sections of Hartford, Hanover and West Lebanon.
17	North Hartland Dam	USACE	Ottauquechee River	Ottauquechee River	VT	Hartland	1961	Hartford, Windsor, Weathersfield, Springfield, Rockingham, Plainsfield, Cornish, Claremont, Charlestown, and Walpole
21	North Springfield Dam	USACE	Black River	Black River	VT	North Springfield	1960	Springfield and other communities downstream
23	Ball Mountain Dam	USACE	West River	West River	VT	Jamaica	1961	Downstream communities in West River Valley: Jamaica, Townshend, and Dummerston
24	Townshend Dam	USACE	West River	West River	VT	Townshend	1961	Townshend, Dummerston, Newfane, Brooklike, and Brattleboro
25	Surry Mountain Dam	USACE	Ashuelot River	Ashuelot River	NH	Surry	1941	Keene, Swanzey, Winchester, Hindsdale and other communities along the Ashuelot River
28	Otter Brook Dam	USACE	Otter Brook	Otter River	NH	Keene	1956	Keene, Swanzey, Winchester, and other communities along the Ashuelot River
38	Tully Lake Dam	USACE	Tully - East Branch	Tully River	MA	Royalston	1949	Athol, Orange and other communities along the Mill River
39	Birch Hill Dam	USACE	Millers River	Millers River	MA	Royalston	1942	Athol, Orange and other communities on the Mill River
50	Barre Falls Dam	USACE	Ware River	Chicopee River	MA	Barre	1958	Ware, Chicopee and Connecticut Rivers
51	Knightville Dam	USACE	Westfield River	Westfield River	MA	Huntington	1941	Huntington, Westfield, West Springfield, and other communities along the Westfield River
53	Littleville Lake Dam	USACE	Westfield - Middle Branch	Westfield River	MA	Huntington	1965	Huntington, Westfield, West Springfield, and other communities along the Westfield River
63	Conant Brook Dam	USACE	Conant Brook	Chicopee River	MA	Monson	1966	Monson and communities along the Quaboag River
64	Colebrook Dam	USACE	Colebrook River	Farmington River	CT	Winstead	1969	Communities along main stem and West Branch of the Farmington River



Connecticut River Watershed Water Supply Dams



Map: Peter W. Seaver, World Physical Map; US National Park Service; Ocean basemap: Esri, GEBCO, NOAA, National Geographic, DeLorme, HERE, Geonames.org, and other contributors. Shaded Relief: USGS - National Geospatial Technical Operations Center (NGTOC), New England; Boundaries: Office of Geographic Information (MassGIS), Commonwealth of Massachusetts; MassIT; Watershed Boundary Dataset: United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS); the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).



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Table 5. Water supply

Map ID	Dams	Owner	River	Major Tributary	State	Location	Built	Towns Supplied / Protected
37	Upper Naukeag Lake Dam	Ashburnham Dept. of Public Works	Millers River	Millers River	MA	Ashburnham	1875	Winchendon and Ashburnham
48	Mare Meadow Dam	Fitchburg Division of Water Supply	Ware River - east branch	Ware River	MA	Hubbardston	1955	Fitchburg and Leominster
49	Bickford	City of Fitchburg Public Works Department	East Branch Ware River	Chicopee River	MA	Hubbardston	1970	Fitchburg and Leominster
52	Quabbin Windsor Dam	MA Department of Conservation and Recreation	Swift River	Swift River	MA	Belchertown	1939	Greater Boston Area
55	Tighe Carmondy	Holyoke Water Works	Manhan River	Manhan River	MA	Southampton	1957	Holyoke
60	Borden Brook Dam	Springfield Water and Sewer Commission	Borden Brook	Westfield River	MA	Blandford	1909	Springfield
61	Cobble Mountain Dam	Springfield Water and Sewer Commission	Little River	Westfield River	MA	Rusell	1931	Springfield
66	Barkhamsted Reservoir	Metropolitan District Commission	East Branch Farmington River	Farmington River	CT	Barkhamsted	1940	Primary Greater Hartford Area
68	Lake McDonough Dam	Metropolitan District Commission	East Branch Farmington River	Farmington River	CT	Barkhamsted	1920	
69	Shenipsit Reservoir Dam	CT Water Company	Hockanum River	Hockanum River	CT	Ellington, Tolland and Vernon	1903	12 towns
70	Nepaug Dam	Metropolitan District Commission	Nepaug River	Nepaug River	CT	Canton	1918	Greater Hartford Area
71	Shuttle Meadow	New Britain	Mattabesset River	Mattabesset River	CT	New Britain	1893	New Britain