HEALTHY WATERBODY PRIORITIZATION AND HEALTHY WATERSHED PROJECTS

Protection of Unimpaired Waters

MassDEP recognizes that protecting areas of the state where water quality currently meets or exceeds applicable state standards is highly desirable. Proactive protection of healthy waters, particularly those that are at risk of impacts from NPS pollutants, can be a more efficient use of public funds than the long-term restoration projects that would be needed if the waterbody is not protected and becomes impaired.

Eligible Projects

MassDEP seeks to fund 319 Healthy Watershed Projects where a healthy waterbody's water quality is threatened. In order to be eligible a previous study or documentation which indicates that nonpoint source pollution is the principal threat or significant source of pollution to the proposed healthy waterbody is required.

Eligible Healthy Waterbody Projects include a Watershed-Based Plan or other planning document which is used to guide watershed restoration activities. The main types of projects which will be eligible for funding include:

- <u>Streams: Geomorphology and Habitat Improvements</u>- In areas where the degradation of a healthy watershed's stream channel structure, floodplain structure and/or habitat has been documented, efforts to improve stream geomorphological structure and habitat are eligible. Eligible activities include but are not limited to:
 - Riparian corridor protection through use of river corridor easements which seek to restore natural channel structure (sinuosity etc.)
 - Efforts to improve habitat through:
 - Reforestation of the riparian area
 - Connection of stream channel to floodplain
 - Stream fencing to exclude farm animals/livestock
 - Habitat improvement through inclusion of large woody debris into stream
- <u>Streams: Nutrient, Sediment, and Pathogen Pollution Reduction</u>- In healthy watersheds where healthy water quality is present and there is documentation of nutrient and pathogen pollution sources, efforts to reduce nutrient, sediment, and pathogen pollution are eligible. Eligible activities include but are not limited to:
 - Cost effective agricultural best management practices
 - Cost effective BMP practices which focus on erosion reduction/sediment retention and nutrient and pathogen pollution

Eligible projects should include a compilation of previous and/or current streamflow, water quality, and landscape data and analysis for the individual waterbodies and their watershed. Watershed analysis tools and reports include various models (GWLF-E, Model My Watershed®), NRCS conservation planning, citizen monitoring networks, other monitoring data, etc. Previous data and analysis should clearly document that nonpoint source pollution is the principal threat or significant source of pollution to the waterbodies within the healthy watershed.

See Table 1 below for Priority Healthy Waterbodies by MassDEP Segment ID and Vulnerability Status.

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Basin	Basin Name	Segment ID	Waterbody Name	Description	Size (miles)	Class (Qualifiers)	HUC12 Number	HUC12 Name	Ecological Index	Stressor Index	Social Index	RPI Score	RPI Rank	Majority County	Slope_ Mean_ Value_i n_HUC 12_Wa tershed	Percen t_MS4 _in_H UC12_ Waters hed	PHWA _HEAL TH_ND X_ST_ PCT_2 016	PHWA _VULN _NDX_ ST_201 6	Vulnerability Percentile Only Prioritized Waterbodies	Vulnerability Status (within prioritized waterbodies only)
11	Hudson:	MA11-06	Green River	Headwaters, perennial portion, southwest of Sugarloaf Mountain (west of Ingraham Road), New Ashford to mouth at confluence with Hoosic River, Williamstown.		B (CWF)	020200030604				57.34		3	Berkshire County- MA	13.4	0.0	79.02	0.15		Medium
11	Hudson: Hoosic	MA11-21	East Branch Green River	Headwaters, perennial portion, northeast of Sugarloaf Mountain, New Ashford to mouth at confluence with Green River, New Ashford.	2.2	В	020200030604	Green River	73.68	7.7	57.34	74.44	3	Berkshire County- MA	13.4	0.0	79.02	0.15	0.68	Medium
11	Hudson: Hoosic	MA11-22	West Branch Green River	Headwaters, perennial portion, west of Route 43, Hancock (near New York border) to mouth at confluence with Green River, Williamstown.	7.9	В	020200030604	Green River	73.68	7.7	57.34	74.44	3	Berkshire County- MA	13.4	0.0	79.02	0.15	0.68	Medium
11	Hudson:	MA11-28	Hopper Brook	Headwaters, perennial portion, east of Sperry Road, Williamstown to mouth at confluence with the Green River, Williamstown.	4		020200030604				57.34		3	Berkshire County- MA	13.4	0.0	79.02	0.15		Medium
	Hudson: Hoosic	MA11-06	Green River	Headwaters, perennial portion, southwest of Sugarloaf Mountain (west of Ingraham Road), New Ashford to mouth at confluence with Hoosic River, Williamstown.	12.5	B (CWF)	020200030605	Hemlock Brook- Hoosic River	67.61		57.44		10	Berkshire County- MA	11.2	0.0	76.10	0.16		Medium
	Hudson: Hoosic	MA11-00	Hemlock Brook	Headwaters, perennial portion, south of Route 2 in the Taconic Trail State Park, Williamstown to mouth at confluence with the Hoosic River, Wiliamstown.		B (CWF)	020200030605	Hemlock Brook- Hoosic	67.61		57.44		10	Berkshire County- MA	11.2	0.0	76.10	0.16		Medium

Basin		Segment	Waterbody		Size	Class	HUC12	HUC12	Ecological Index	stressor Index	social Index	RPI	RPI	Majority	Slope_ Mean_ Value_i n_HUC 12_Wa	Percen t_MS4 _in_H UC12_ Waters	PHWA _HEAL TH_ND X_ST_ PCT_2	PHWA _VULN _NDX_ ST_201	Vulnerability Percentile Only Prioritized	Vulnerability Status (within prioritized waterbodies
ID	Basin Name	ID	Name	Description	(miles)	(Qualifiers)	Number	Name	Eco	Stre	Soc	Score	Rank	County	tershed	hed	016	6	Waterbodies	only)
11	Hudson: Hoosic	MA11-25	Buxton Brook	Headwaters, perennial portion, west of Petersburg Road, Williamstown to mouth at confluence with Hemlock Brook, Williamstown.	1.3	B (CWF)	020200030605	Hemlock Brook- Hoosic River	67.61	6.24	57.44	72.93	10	Berkshire County- MA	11.2	0.0	76.10	0.16	0.70	Medium
11	Hudson: Hoosic	MA11-04	Hoosic River	Adams WWTP discharge (NPDES: MA0100315), Adams to confluence with North Branch Hoosic River, North Adams.	5.4	B (WWF)	020200030605	Hemlock Brook- Hoosic River	67.61	6.24	57.44	72.93	10	Berkshire County- MA	11.2	0.0	76.10	0.16	0.70	Medium
11	Hudson: Hoosic	MA11-20	Paull Brook	Headwaters, outlet of Mt. Williams Reservoir, North Adams to mouth at confluence with unnamed tributary, Williamstown.	2.1		020200030605	Hemlock Brook- Hoosic River	67.61		57.44		10	Berkshire County- MA	11.2	0.0	76.10	0.16		Medium
11	Hudson: Hoosic	MA11-23	Broad Brook	From Vermont state line, Williamstown to mouth at confluence with the Hoosic River, Williamstown.	2.2	В	020200030605	Hemlock Brook- Hoosic River	67.61	6.24	57.44	72.93	10	Berkshire County- MA	11.2	0.0	76.10	0.16	0.70	Medium
12	Hudson: Kinderhook	MA12-02	Bently Brook	Headwaters, perennial portion, south of Brodie Mountain Road, Lanesborough to mouth at confluence with Kinderhook Creek, Hancock.	2.1	в	020200060601	West Brook- Kinderhook Creek	62.85	3.48	36.21	65.19	36	Rensselaer County-NY	10.0	0.0	NA	NA	Not Classified	High
21	Housatonic	MA21-32	Tyler Brook	Headwaters, northwest of Driscoll Road, Windsor to mouth at confluence with Windsor Brook, Windsor.	2.6	A (PWS, ORW, CWF)	011000050102	Wahconah Falls Brook	69.79	3.41	45.82	70.73	14	Berkshire County- MA	5.2	2.6	90.73	0.11	0.59	Medium
21	Housatonic	MA21-09	Windsor Brook	Headwaters, southeast of Fobes Hill (west of Savoy Hollow Road), Windsor to mouth at inlet Windsor Reservoir, Hinsdale.	6.1	A (PWS, ORW)	011000050102	Wahconah Falls Brook	69.79	3.41	45.82	70.73	14	Berkshire County- MA	5.2	2.6	90.73	0.11	0.59	Medium
21	Housatonic	MA21-12	Cady Brook	Headwaters, northwest corner Peru, to mouth at inlet of Windsor Reservoir, Hinsdale.	3.5	A (PWS, ORW)	011000050102	Wahconah Falls Brook	69.79	3.41	45.82	70.73	14	Berkshire County- MA	5.2	2.6	90.73	0.11	0.59	Medium

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				Headwaters, outlet Anthony Pond, Dalton to mouth at										Berkshire						
			Anthony	confluence with Wahconah				Wahconah	co 7 0		45.00			County-			00.70	0.14	0.50	
21	Housatonic	MA21-10 MA21-11	Brook Wahconah Falls Brook	Falls Brook, Dalton. Headwaters, outlet Windsor Reservoir, Windsor to mouth at confluence with East Branch Housatonic River, Dalton.	2.6		011000050102	Falls Brook Wahconah Falls Brook	69.79	3.41	45.82		14	MA Berkshire County- MA	5.2	2.6	90.73 90.73	0.11		Medium
21	Housatonic	MA21-34	Churchill Brook	Headwaters, perennial portion in the Pittsfield State Forest, Hancock (north of Honwee Mountain, Lanesborough) to mouth at inlet Onota Lake, Pittsfield.		B (CWF)	011000050101	West Branch Housatonic River	69.22				33	Berkshire County- MA	7.1	25.8	52.20	0.24		High
21	Housatonic	MA21-36	Town Brook	Headwaters, perennial portion, Lanesborough to mouth at inlet Pontoosuc Lake, Lanesborough.	7.9		011000050101	West Branch Housatonic River	69.22	7.13	34.95	65.68	33	Berkshire County- MA	7.1	25.8	52.20	0.24		High
21		MA21-37	Rawson Brook	Headwaters, north of Cronk Road, Monterey to mouth at confluence with Konkapot River, Monterey.	5.9		011000050301	Konkapot River	64.09				40	Berkshire County- MA	5.8	0.0	65.85	0.21		High
24	-		Slocum	Headwaters, outlet small unnamed wetland pond south of Hartland Road, Tolland to MA/CT border,		B (CWF,	010000000000	Lower West Branch Farmington	20.45	2.7	62.27		26	Litchfield		2.6			Not	Not
31	Farmington	MA31-19	Brook Taylor	Tolland. Headwaters, west of Clubhouse Road, Tolland to mouth at confluence with	3.3	HQW) B (CWF,	010802070204	River Lower West Branch Farmington	38.15	2.7	63.27	66.24	26	County-CT Litchfield	7.1	3.6	NA	NA	Classified Not	Classified Not
31	Farmington	MA31-20	Brook	Slocum Brook, Tolland. Headwaters, east of Dodds Mountain, south of Sears Road, Sandisfield to mouth at confluence with West Branch Farmington River,	3.3	-	010802070204	River Lower West Branch Farmington	38.15	2.7	63.27	66.24	26	County-CT	7.1	3.6	NA	NA	Classified	Classified
31	Farmington	MA31-22	Brook	Sandisfield. Headwaters, outlet Trout Pond, Tolland to mouth at confluence with West	2.7	HQW)	010802070204	River Lower West Branch	38.15	2.7	63.27	66.24	26	Litchfield	7.1	3.6	NA	NA	Classified	Classified
	Farmington	MA31-23	Moody Brook	Branch Farmington River, Sandisfield.	1 9	B (CWF <i>,</i> HQW)	010802070204	Farmington River	38.15	2.7	63 27	66.24	26	Litchfield County-CT	7.1	36	NA	NA	Not Classified	Not Classified

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	Farmington	MA31-24	Richardson Brook	Headwaters, north of New Boston Road (Route 57), Tolland to mouth at confluence with Moody Brook, Tolland.	1.3	B (CWF,	010802070204	Lower West Branch Farmington River	ىت 38.15	2.7	63.27		26	Litchfield County-CT	7.1		NA	NA	Not Classified	Not Classified
	Farmington	MA31-16	Hubbard Brook	Headwaters, confluence Babcock Brook and Hall Pond Brook, Tolland to MA/CT border Granville.	4	B (CWF, HQW)	010802070301	Hubbard River	65.75	3.08	47.15	69.94	19	Hampden County- MA	5.0		NA	0.20	0.76	High
31	Farmington	MA31-30	Pond Brook	Headwaters, outlet Parsons Pond, Granville to mouth at confluence with Hubbard Brook, Granville.	4.6	B (CWF, HQW)	010802070301	Hubbard River	65.75	3.08	47.15	69.94	19	Hampden County- MA	5.0	0.0	NA	0.20	0.76	High
31	Farmington	MA31-31	Halfway Brook	Headwaters, outlet of wetland in Granville State Forest, Tolland to mouth at confluence with Hubbard Brook, Granville.	1.8	B (CWF, HQW)	010802070301	Hubbard River	65.75	3.08	47.15	69.94	19	Hampden County- MA	5.0	0.0	NA	0.20	0.76	High
31	Farmington	MA31-32	Babcock Brook	Headwaters west of Amos Case Road, Tolland to mouth at confluence with Hall Pond Brook (forming headwaters Hubbard Brook), Tolland.	3.3	B (CWF, HQW)	010802070301	Hubbard River	65.75	3.08	47.15	69.94	19	Hampden County- MA	5.0	0.0	NA	0.20	0.76	High
31	Farmington	MA31-34	Hall Pond Brook	Headwaters, outlet Hall Pond, Tolland to mouth at confluence with Babcock Brook (forming headwaters Hubbard Brook), Tolland.	2.3	B (CWF, HQW)	010802070301	Hubbard River	65.75	3.08	47.15	69.94	19	Hampden County- MA	5.0	0.0	NA	0.20	0.76	High
31	Farmington	MA31-02	Fall River	Headwaters, outlet Larkum Pond, Otis to mouth at confluence with West Branch Farmington River, Otis.	0.8	B (CWF, HQW)	010802070202	Upper West Branch Farmington River Upper West	40.91	2.56	51.87	63.41	50	Berkshire County- MA	5.9	0.0	86.34	0.22	0.85	High
31	Farmington	MA31-04	Shales Brook	Source north of Tyringham Road, Becket to mouth at inlet Shaw Pond, Becket.	1.2	B (CWF, HQW)	010802070202	Branch Farmington River	40.91	2.56	51.87	63.41	50	Berkshire County- MA	5.9	0.0	86.34	0.22	0.85	High

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31	Farmington	MA31-05	Unnamed Tributary	Unnamed tributary to Shaw Pond, source in wetlands southwest of Route 90 and east of Route 20, Becket to mouth at inlet Shaw Pond, Becket (excluding "gravel pit" pond).	1.3	B (CWF, HQW)	010802070202	Upper West Branch Farmington River	40.91	2.56	51.87	63.41	50	Berkshire County- MA	5.9	0.0	86.34	0.22	0.85	High
	Farmington	MA31-07	Unnamed Tributary	Source, outlet Shaw Pond, Becket/Otis to mouth at inlet Hayden Pond, Otis.	0.9	B (CWF,	010802070202	Upper West Branch Farmington River	40.91		51.87		50	Berkshire County- MA	5.9	0.0	86.34	0.22		High
31	Farmington	MA31-08	Cone Brook	Headwaters, drainage from Angerman Swamp in Beartown State Forest, Otis to mouth at inlet Hayden Pond, Otis.	2.1	B (CWF, HQW)	010802070202	Upper West Branch Farmington River	40.91		51.87		50	Berkshire County- MA	5.9	0.0	86.34	0.22		High
31	Farmington	MA31- 09*	Unnamed Tributary	Unnamed tributary to West Branch Farmington River, source north of Route 23 and east of Harrington Road, Otis to mouth at confluence with West Branch Farmington River, Otis.	2	в (CWF, HQW)	010802070202	Upper West Branch Farmington River	40.91	2 56	51.87	63.41	50	Berkshire County- MA	5.9	0.0	86.34	0.22	0.85	High
	Farmington	MA31-10	Dimmock Brook	Outlet of Dimmock Brook Pond, Otis to mouth at confluence with West Branch Farmington River, Otis.	1	B (CWF,	010802070202	Upper West Branch Farmington	40.91		51.87			Berkshire County- MA	5.9	0.0	86.34	0.22		High
	Farmington	MA31-28	Miner Brook	Headwaters, outlet wetland east of North Beech Plain Road, Sandisfield to mouth at confluence with West Branch Farmington River, Sandisfield.	1.5	B (CWF,	010802070202	Upper West Branch Farmington River	40.91		51.87		50	Berkshire County- MA	5.9	0.0	86.34	0.22		High
32	Westfield	MA32-01	West Branch Westfield River	Headwaters, confluence of Depot Brook and Yokum Brook, Becket to mouth at confluence with Westfield River, Huntington (HQW qualifier applies to portion of river upstream of Chester Center).	17.2	B (CWF,	010802060201	Upper West Branch Westfield River	69.57			73.52	7	Berkshire County- MA	7.3		NA	0.10		Medium

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32	Westfield	MA32-17	Depot Brook	Source, north of Beach Road, Washington to mouth at confluence with Yokum Brook (forming headwaters of West Branch Westfield River), Becket.	5.9	B (CWF)	010802060201	Upper West Branch Westfield River	69.57	3.57	54.56	73.52	7	Berkshire County- MA	7.3	0.0	NA	0.10	0.46	Medium
32	Westfield	MA32-18	Shaker Mill Brook	Headwaters, west of Watson Road, Washington to mouth at confluence with Depot Brook, Becket.	4.1	B (CWF)	010802060201	Upper West Branch Westfield River	69.57	3.57	54.56	73.52	7	Berkshire County- MA	7.3	0.0	NA	0.10	0.46	Medium
32	Westfield	MA32-19	Yokum Brook	Headwaters, outlet Buckley- Dunton Lake, south of County Road, Becket to mouth at confluence with Depot Brook (forming headwaters of West Branch Westfield River), Becket.	4	B (CWF)	010802060201	Upper West Branch Westfield River	69.57	3.57	54.56	73.52	7	Berkshire County- MA	7.3	0.0	NA	0.10	0.46	Medium
32	Westfield	MA32-20	Walker Brook	Headwaters, outlet Center Pond (north of YMCA Road), Becket to mouth at confluence with West Branch Westfield River, Chester.	7.1		010802060201	Upper West Branch Westfield River	69.57		54.56		7	Berkshire County- MA	7.3	0.0	NA	0.10		Medium
32		MA32-42	Factory Brook	Headwaters, east of Ridge Road, in Middlefield State Forest, Peru to mouth at confluence with West Branch Westfield River, Middlefield.		B (CWF)	010802060201	Upper West Branch Westfield River	69.57		54.56		7	Berkshire County- MA	7.3	0.0		0.10		Medium
32	Westfield	MA32-43	Geer Brook	Headwaters, outlet Garnet Lake, Peru to mouth at confluence with Factory Brook, Middlefield.	1.8	B (CWF)	010802060201	Upper West Branch Westfield River	69.57	3.57	54.56	73.52	7	Berkshire County- MA	7.3	0.0	NA	0.10	0.46	Medium
32	Westfield	MA32-49	Mill Brook	Headwaters, south of Hawley Street, Plainfield to mouth at confluence with Westfield River, Cummington.	6	B (CWF)	010802060101	Mill Brook- Westfield River	71.57	4.5	52.56	73.21	8	Berkshire County- MA	6.8	0.0	89.27	0.07	0.07	Low

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32	Westfield	MA32-50	Bartlett Brook	Headwaters (perennial portion), between Mountain and Prospect streets, Plainfield to mouth at confluence with Westfield River, Cummington.	2	B (CWF)	010802060101	Mill Brook- Westfield River	71.57	4.5	52.56	73.21	8	Berkshire County- MA	6.8	0.0	89.27	0.07	0.07	Low
32	Westfield	MA32-51	Westfield Brook	Headwaters, outlet wetland north of Hill Cemetery Road, Windsor to mouth at confluence with Westfield River, Cummington.	8.6	B (CWF)	010802060101	Mill Brook- Westfield River	71.57	4.5	52.56	73.21	8	Berkshire County- MA	6.8	0.0	89.27	0.07	0.07	Low
32	Westfield	MA32-52	Shaw Brook	Headwaters, north of Shaw Road, Windsor to mouth at confluence with Westfield Brook, Windsor.	2.2	B (CWF)	010802060101	Mill Brook- Westfield River	71.57	4.5	52.56	73.21	8	Berkshire County- MA	6.8	0.0	89.27	0.07	0.07	Low
32	Westfield	MA32-53	Steep Bank Brook	Headwaters (perennial portion), northeast of Bates Road, Windsor to mouth at confluence with Westfield River, Windsor.	1	B (CWF)	010802060101	Mill Brook- Westfield River	71.57	4.5	52.56	73.21	8	Berkshire County- MA	6.8	0.0	89.27	0.07	0.07	Low
32	Westfield	MA32-11	Meadow Brook	Headwaters, outlet unnamed pond south of Route 116, Plainfield to mouth at confluence with Westfield River, Cummington.	4.6	В	010802060101	Mill Brook- Westfield River	71.57	4.5	52.56	73.21	8	Berkshire County- MA	6.8	0.0	89.27	0.07	0.07	Low
32	Westfield	MA32-03	Middle Branch Westfield River	Outlet Littleville Dam, Chester/Huntington to mouth at confluence with Westfield River, Huntington.	1.1	B (WWF, HQW)	010802060105	Little River- Westfield River	71.47	6.38	53.94	73.01	9	Hampshire County- MA	7.8	0.0	93.17	0.13	0.62	Medium
32	Westfield	MA32-12	Swift River	Headwaters, west of Plainfield Road, Hawley to mouth at confluence with Westfield River at village of Swift River, Cummington.	11.3	B (CWF)	010802060105	Little River- Westfield River	71.47	6.38	53.94	73.01	9	Hampshire County- MA	7.8	0.0	93.17	0.13	0.62	Medium
32	Westfield	MA32-44	Pond Brook	Headwaters, outlet Norwich Pond, Huntington to mouth at confluence with Westfield River, Huntington.	3.1	B (CWF)	010802060105	Little River- Westfield River	71.47	6.38	53.94	73.01	9	Hampshire County- MA	7.8	0.0	93.17	0.13	0.62	Medium

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ID	Basin Name	ID	Name	Description	(miles)	(Qualifiers)	Number	Name	Ecc	Stre	Soc	Score	Rank	County	tershed	hed	016	6	Waterbodies	only)
			Bronson	Headwaters, north of Trouble Road, Cummington to mouth at confluence with West Falls Branch, Worthington. (formerly identified by the Massachusetts Stream Classification Program as				Little River- Westfield						Hampshire County-						
32	Westfield	MA32-45	Brook	West Branch).	4.2	B (CWF)	010802060105	River	71.47	6.38	53.94	73.01	9	MA	7.8	0.0	93.17	0.13	0.62	Medium
			Kearnery	Headwaters, north of Powell Road and east of FAA Road, Cummington to mouth at confluence with Bronson Brook,				Little River- Westfield						Hampshire County-						
32	Westfield	MA32-46	Brook	Worthington.	3.2	B (CWF)	010802060105	River	71.47	6.38	53.94	73.01	9	MA	7.8	0.0	93.17	0.13	0.62	Medium
32	Westfield	MA32-47	Tower Brook	Headwaters, north of Dodwells Road, Cummington to mouth at confluence with Westfield River, Chesterfield.	4.1	B (CWF)	010802060105	Little River- Westfield River	71.47	6.38	53.94	73.01	9	Hampshire County- MA	7.8	0.0	93.17	0.13	0.62	Medium
32	Westfield	MA32-14	Watts Stream	Headwaters, north of Buffington Hill Road, Worthington to mouth at confluence with Wards Stream (forming headwaters Little River), Ringville (locality in Worthington).	5.2	в	010802060105	Little River- Westfield River	71.47	6.38	53.94	73.01	9	Hampshire County- MA	7.8	0.0	93.17	0.13	0.62	Medium
32		MA32-15	Wards Stream	Headwaters, south of Cold Street, Worthington to mouth at confluence with Watts Stream (forming headwaters Little River), Ringville (locality in Worthington).	5.1		010802060105	Little River- Westfield River	71.47				9	Hampshire County- MA	7.8	0.0	93.17	0.13		Medium
	Westfield	MA32-15 MA32- 05*	Westfield River	Confluence with Middle Branch Westfield River, Huntington to Route 20 bridge, Westfield.		B (WWF)	010802060105	Little River- Westfield	71.47		53.94		9	Hampshire County- MA	7.8	0.0	93.17	0.13		Medium

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32	Westfield	MA32-32	Kinne Brook	Headwaters (perennial portion), north of Adams Road, Worthington to mouth at confluence with Middle Branch Westfield River, Chester.	4	A (PWS, ORW, CWF)	010802060104	Middle Branch Westfield River	70.97	3.64	51.38	72.9	11	Hampshire County- MA	7.7	0.0	97.07	0.11	0.57	Medium
32	Westfield	MA32-64	Fuller Brook	Headwaters, outlet wetland west at Mongue Road, Peru to mouth at confluence with Middle Branch Westfield River, Worthington.	4.2	A (PWS, ORW, CWF)	010802060104	Middle Branch Westfield River	70.97	3.64	51.38	72.9	11	Hampshire County- MA	7.7	0.0	97.07	0.11	0.57	Medium
32	Westfield	MA32-10	Glendale Brook	Headwaters in a wetland in Peru State Forest, Peru to mouth at confluence with Middle Branch Westfield River, Middlefield.	6	A (PWS, ORW)	010802060104	Middle Branch Westfield River	70.97	3.64	51.38	72.9	11	Hampshire County- MA	7.7	0.0	97.07	0.11	0.57	Medium
32	Westfield	MA32-66	Middle Branch Westfield River	From Kinnebrook Road, Dayville (locality in Chester) to inlet of Littleville Lake, just upstream from boat ramp (off southern end of Kinnebrook Road), Chester.	0.6	A (PWS, ORW)	010802060104	Middle Branch Westfield River	70.97	3.64	51.38	72.9	11	Hampshire County- MA	7.7	0.0	97.07	0.11	0.57	Medium
32		MA32-03	Middle Branch Westfield River	Outlet Littleville Dam, Chester/Huntington to mouth at confluence with Westfield River, Huntington.	1.1	B (WWF,	010802060104	Middle Branch Westfield River	70.97	3.64	51.38		11	Hampshire County- MA	7.7	0.0	97.07	0.11	0.57	Medium
32	Westfield	MA32-33	Bedlam Brook	Headwaters (perennial portion), north of Blandford Road, Blandford to mouth at confluence with Peebles Brook, Blandford.	2.8	A (PWS, ORW)	010802060302	Cobble Mountain Reservoir	68.31	5.37	47.99	70.31	16	Hampden County- MA	5.3	0.0	94.15	0.21	0.83	High
32	Westfield	MA32-01	West Branch Westfield River	Headwaters, confluence of Depot Brook and Yokum Brook, Becket to mouth at confluence with Westfield River, Huntington (HQW qualifier applies to portion of river upstream of Chester Center).	17.2	B (CWF, HQW*)	010802060202	Lower West Branch Westfield River	55.19	3.11	58.41	70.17	18	Hampden County- MA	8.4	0.0	95.12	0.17	0.72	Medium

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32	Westfield	MA32-20	Walker Brook	Headwaters, outlet Center Pond (north of YMCA Road), Becket to mouth at confluence with West Branch Westfield River, Chester.	7.1	B (CWF)	010802060202	Lower West Branch Westfield River	55.19	3.11	58.41	70.17	18	Hampden County- MA	8.4	0.0	95.12	0.17	0.72	Medium
32	Westfield	MA32-61	Roaring Brook	Headwaters, outlet small unnamed pond north of Lyman Road, Chester to mouth at confluence with West Branch Westfield River, Huntington.	4.5	B (CWF)	010802060202	Lower West Branch Westfield River	55.19	3.11	58.41	70.17	18	Hampden County- MA	8.4	0.0	95.12	0.17	0.72	Medium
32	Westfield	MA32-62	Abbott Brook	Headwaters (perennial portion), north of Abbott Hill Road, Chester to mouth at confluence with West Branch Westfield River, Chester.		B (CWF)	010802060202	Lower West Branch Westfield River	55.19	3.11	58.41	70.17	18	Hampden County- MA	8.4	0.0	95.12	0.17	0.72	Medium
32	Westfield	MA32-31	Sanderson Brook	Headwaters (perennial portion), in the Chester/Blandford State Forest, north of Chester Road, Blandford to mouth at confluence with West Branch Westfield River, Chester.	2.7		010802060202	Lower West Branch Westfield River	55.19				18	Hampden County- MA	8.4	0.0	95.12	0.17		Medium
32	Westfield	MA32-01	West Branch Westfield River	Headwaters, confluence of Depot Brook and Yokum Brook, Becket to mouth at confluence with Westfield River, Huntington (HQW qualifier applies to portion of river upstream of Chester Center).	17.2	в (CWF,	010802060301	Moose Meadow Brook- Westfield River	51.81			66.18	28	Hampden County- MA	7.7	9.9	74.63	0.21		High
32	Westfield	MA32-30	Roaring Brook	Headwaters (perennial portion), north of Horse Hill in Huntington State Forest, east of County Road, Huntington to mouth at confluence with Westfield River, Montgomery.		B (CWF)	010802060301	Moose Meadow Brook- Westfield	51.81			66.18		Hampden County-	7.7	9.9	74.63	0.21		High

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32	Westfield	MA32-60	Stage Brook	Headwaters, confluence of Freeland Brook and Wigwam Brook, Russell to mouth at confluence with Black Brook (forming headwaters Bradley Brook), Russell.	1	B (CWF)	010802060301	Moose Meadow Brook- Westfield River	51.81	6.38	53.09	66.18	28	Hampden County- MA	7.7	9.9	74.63	0.21	0.80	High
32	Westfield	MA32-21	Bradley Brook	Headwaters, confluence Black and Stage brooks, Russell to mouth at confluence with Westfield River, Russell.	0.7	В	010802060301	Moose Meadow Brook- Westfield River	51.81	6.38	53.09	66.18	28	Hampden County- MA	7.7	9.9	74.63	0.21	0.80	High
32	Westfield	MA32-05	Westfield River	Confluence with Middle Branch Westfield River, Huntington to Route 20 bridge, Westfield.	17.7	B (WWF)	010802060301	Moose Meadow Brook- Westfield River	51.81	6.38	53.09	66.18	28	Hampden County- MA	7.7	9.9	74.63	0.21		High
32	Westfield	MA32-40	Moose Meadow Brook	Headwaters, west of Bungay Mountain, east of New State Road, Montgomery to inlet Westfield Reservoir, Montgomery (formerly part of segment MA32-23).	2.9	в	010802060301	Moose Meadow Brook- Westfield River	51.81	6.38	53.09	66.18	28	Hampden County- MA	7.7	9.9	74.63	0.21	0.80	High
32	Westfield	MA32-55	Kellog Brook	Headwaters (perennial portion), east of College Highway (Route 202), Southwick to mouth at confluence with Great Brook, Westfield.	2.8	B (CWF)	010802060304	Great Brook	61.49	15.53	47.71	64.55	41	Hampden County- MA	3.2	37.4	48.78	0.35	0.99	High
32	Westfield	MA32-25	Great Brook	Source, outlet Congamond Lakes, Southwick to mouth at confluence with Westfield River, Westfield.	10.8	В	010802060304	Great Brook	61.49	15.53	47.71	64.55	41	Hampden County- MA	3.2	37.4	48.78	0.35		High
32	Westfield	MA32-12	Swift River	Headwaters, west of Plainfield Road, Hawley to mouth at confluence with Westfield River at village of Swift River, Cummington.	11.3	B (CWF)	010802060102	Swift River	49.51	5.58	48.5	64.14	42	Franklin County- MA	5.0	0.0	98.54	0.08	0.33	Medium
32	Westfield	MA32-48	Stones Brook	Headwaters, outlet small unnamed pond north of Dyers Road, Ashfield to mouth at confluence with Swift River, Goshen.	4.7	B (CWF)	010802060102	Swift River	49.51	5.58	48.5	64.14	42	Franklin County- MA	5.0	0.0	98.54	0.08	0.33	Medium

* Denotes waterbody with Mussel Richness of 3 or more as identified by Natural Heritage & Endangered Species Program

CWF- Cold Water Fishery; RPI – Recovery Potential Index;

Basin ID	Basin Name	Segment ID	Waterbody Name	Description	Size (miles)	Class (Qualifiers)	HUC12 Number	HUC12 Name	Ecological Index	Stressor Index	Social Index	RPI Score	RPI Rank	Majority County	Slope_ Mean_ Value_i n_HUC 12_Wa tershed	Percen t_MS4 _in_H UC12_ Waters hed	PHWA _HEAL TH_ND X_ST_ PCT_2 016	PHWA _VULN _NDX_ ST_201 6	Vulnerability Percentile Only Prioritized Waterbodies	Vulnerability Status (within prioritized waterbodies only)
32	Westfield	MA32-54	North Branch Swift River	Headwaters, outlet small unnamed pond west of Grant Street, Plainfield to mouth at confluence with Swift River, Cummington.	6.9	B (CWF)	010802060102	Swift River	49.51	5.58	48.5	64.14	42	Franklin County- MA	5.0	0.0	98.54	0.08	0.33	Medium
33	Deerfield	MA33-06	North River	From confluence of East and West branches of the North River, Colrain to confluence with Deerfield River, Shelburne/Charlemont. (Segment changed 1997 - East Branch no longer included in length) (HQW applies upstream of Barnhardt discharge (NPDES# MA0003697)).	3.3	B (CWF, HQW*)	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33		MA33-27	West Branch North River	Headwaters, confluence of West Branch Brook and Burrington Brook, Heath to confluence with East Branch North River, forming headwaters North River, Colrain.	7.2	B (CWF,	010802030302	Taylor Brook- North River	76.22		61.18		1	Franklin County- MA	9.0	0.0	97.56	0.08		Low
33		MA33-90	West Branch Brook	Headwaters, Vermont- Massachusetts stateline, Heath to confluence with Burrington Brook (forming headwaters West Branch North River), Heath.		B (CWF)	010802030302	Taylor Brook- North River	76.22	6.72	61.18		1	Franklin County- MA	9.0	0.0	97.56	0.08		Low
33	Deerfield	MA33- 124	Kinsman Brook	Headwaters north of Colrain Stage Road, Heath to confluence with Davenport Brook forming headwaters Taylor Brook, Heath.	1.8	B (CWF)	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33	Deerfield	MA33-40	Burrington Brook	Headwaters, east of Sadoga Road, Heath to confluence with West Branch Brook (forming headwaters West Branch North River), Heath.	2	В	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low

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33	Deerfield	MA33-41	Burton Brook	Vermont-Massachusetts stateline, Rowe to confluence with West Branch Brook, Heath.	1.3	В	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33	Deerfield	MA33-42	Cary Brook	Perennial portion north of East Catamount Hill Road, Colrain to confluence with West Branch North River, Colrain.	0.5	В	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33	Deerfield	MA33-51	Fox Brook	From the outlet of Fox Brook Upper Reservoir, Colrain to confluence with North River, Colrain.	0.8	в	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33	Deerfield	MA33-77	Roberts Brook	Headwaters, east of Hosmer Road, Heath to confluence with West Branch North River, Colrain.	1	в	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33	Deerfield	MA33-89	Vincent Brook	Headwaters, perennial portion east of Stetson Brothers Road, Colrain to confluence with West Branch North River, Colrain.	1	В	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	low
33		MA33-80	Sanders Brook	Vermont/Massachusetts border, Heath to confluence with West Branch North River, Colrain.	2.8		010802030302	Taylor Brook- North River	76.22	6.72	61.18		1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	
33	Deerfield	MA33-24	Tissdell Brook	Headwaters perennial portion east of Christian Hill Cemetary, Colrain to confluence with West Branch North River, Colrain.	1.7	В	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33		MA33-31	Taylor Brook	From the confluence of Kinsman Brook and Davenport Brook, Heath to confluence with West Branch North River, Colrain.	2.6		010802030302	Taylor Brook- North River	76.22	6.72	61.18		1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	
33	Deerfield	MA33- 111	Davenport Brook	Headwaters outlet Papoose Lake, Heath to confluence with Kinsman Brook forming headwaters Taylor Brook, Heath.	0.9	В	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low

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33	Deerfield	MA33- 120	Dickenson Brook	Headwaters west of Sumner Stetson Road, Heath to confluence with West Branch Brook, Heath.	0.7	В	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33	Deerfield	MA33- 110	Unnamed Tributary	Unnamed tributary to Taylor Brook, headwaters, Catamount State Forest, Colrain to confluence Taylor Brook, Colrain.	1.5	в	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33	Deerfield	MA33- 109	Unnamed Tributary	Unnamed tributary to West Branch North River, headwaters west of Wilson Hill Road, Colrain to confluence with West Branch North River, Colrain.	1.4	В	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33	Deerfield	MA33- 130	Meadow Brook	Headwaters, outlet McLeod Pond, Colrain to mouth at confluence with North River, Colrain.	1.2	В	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33	Deerfield	MA33- 131	Johnson Brook	Headwaters, west of Route 112 (Main Road) and northeast at Houghton Hill, Colrain to the mouth at confluence with North River, Colrain.	1.4	В	010802030302	Taylor Brook- North River	76.22	6.72	61.18	76.89	1	Franklin County- MA	9.0	0.0	97.56	0.08	0.12	Low
33	Deerfield	MA33-37	Black Brook	Headwaters, west of Chapel Road, Savoy to confluence with Cold River, Savoy.	3.3	B (CWF)	010802030202	Cold River	76.36	2.8	50.23	74.6	2	Berkshire County- MA	9.8	0.0	NA	0.08	0.12	Low
33	Deerfield	MA33-86	Tannery Brook	Outlet of Tannery Pond, Savoy to confluence with Gulf Brook, Savoy.	0.7	B (CWF)	010802030202	Cold River	76.36	2.8	50.23	74.6	2	Berkshire County- MA	9.8	0.0	NA	0.08	0.12	Low
33	Deerfield	MA33-05	Cold River	Source in Florida to confluence with Deerfield River, Charlemont.	13.7	B (CWF)	010802030202	Cold River	76.36	2.8	50.23	74.6	2	Berkshire County- MA	9.8	0.0	NA	0.08	0.12	Low
33	Deerfield	MA33-55	Green River	Headwaters, perennial portion in Florida State Forest west of Blackstone Road, Florida to confluence with Cold River, Florida.	1.3	В	010802030202	Cold River	76.36	2.8	50.23	74.6	2	Berkshire County- MA	9.8	0.0	NA	0.08	0.12	Low

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				Headwaters, south of						0)	0)			,						
33	Deerfield	MA33-78	Ross Brook	Tannery Road, Savoy to confluence with Tannery Brook, Savoy.	2	в	010802030202	Cold River	76.36	2.8	50.23	74.6	2	Berkshire County- MA	9.8	0.0	NA	0.08	0.12	Low
	Deemeiu	IVIA55-76	RUSS DI UUK	Headwaters, west of Central	2	D	010802030202		70.50	2.0	50.25	74.0	2	IVIA	5.0	0.0	NA .	0.08	0.12	LOW
33	Deerfield	MA33-87	Tower Brook	Shaft Road, Florida (drains wetland) to confluence with Cold River, Florida.	1.9	в	010802030202	Cold River	76.36	2.8	50.23	74.6	2	Berkshire County- MA	9.8	0.0	NA	0.08	0.12	low
	Deemeid	1111100 07	Brook	Outlet of Burnett Pond,	1.5		010002000202		70.00	2.0	50.25	7 110		Berkshire	5.0	0.0		0.00	0.12	2011
33	Deerfield	MA33-56	Gulf Brook	Savoy to confluence with Cold River, Savoy.	3.5	В	010802030202	Cold River	76.36	2.8	50.23	74.6	2	County-	9.8	0.0	NA	0.08	0.12	Low
33	Deerfield	MA33-66	Manning Brook	Headwaters, north of South County Road, Florida to confluence with Cold River, Florida.	1.4	в	010802030202	Cold River	76.36	2.8	50.23	74.6	2	Berkshire County- MA	9.8	0.0	NA	0.08	0.12	Low
33	Deerfield	MA33-88	Trout Brook	Headwaters, perennial portion west of Hawks Mountain, Charlemont/Hawley to confluence with Cold River, Charlemont.	0.6	В	010802030202	Cold River	76.36	2.8	50.23	74.6	2	Berkshire County- MA	9.8	0.0	NA	0.08	0.12	low
		MA33-	Staples	Headwaters east of Spruce Hill, North Adams to confluence Tower Brook,										Berkshire County-						
33	Deerfield	121	Brook	Florida.	1.4	В	010802030202	Cold River	76.36	2.8	50.23	74.6	2	MA	9.8	0.0	NA	0.08	0.12	Low
33	Deerfield	MA33- 122	White Brook	Headwaters east of Olson Road, Florida to confluence with the Cold River, Florida.	1.6	в	010802030202	Cold River	76.36	2.8	50.23	74.6	2	Berkshire County- MA	9.8	0.0	NA	0.08	0.12	Low
	Deerfield	MA33-73	Phelps Brook	Perennial portion, north of Main Road, Monroe to inlet of Phelps Brook Reservoir, Monroe.	1.2	A (PWS,	010802030201	Pelham Brook- Deerfield River	78.67			74.34	4	Franklin County- MA	11.8	0.0	96.59	0.06		Low
				Headwaters, perennial portion southwest of Spruce Mountain in the Monroe State Forest, Monroe to confluence with Deerfield				Pelham Brook- Deerfield						Franklin County-						
33	Deerfield Deerfield	MA33-50 MA33-91	Fife Brook Whitcomb Brook	River, Florida. Headwaters, perennial portion east of Whitcomb Hill Road, Florida to confluence with Deerfield River, Florida.		B (CWF)	010802030201 010802030201	River Pelham Brook- Deerfield River	78.67	3.11		74.34	4	MA Franklin County- MA	11.8	0.0	96.59 96.59	0.06	0.00	

									Ecological Index	stressor Index	Index				Slope_ Mean_ Value_i n_HUC	Percen t_MS4 _in_H UC12_	PHWA _HEAL TH_ND X_ST_	PHWA _VULN _NDX_	Vulnerability Percentile Only	Vulnerability Status (within prioritized
Basin ID	Basin Name	Segment ID	Waterbody Name	Description	Size (miles)	Class (Qualifiers)	HUC12 Number	HUC12 Name	colo	tress	ocial	RPI Score	RPI Rank	Majority County	12_Wa tershed	Waters hed	PCT_2 016	ST_201 6	Prioritized Waterbodies	waterbodies only)
33	Deerfield	MA33-48	Dunbar Brook	Vermont-Massachusetts stateline, Monroe to confluence with Deerfield River, Monroe.		B (CWF)	010802030201	Pelham Brook- Deerfield River	78.67	3.11	47.47		4	Franklin County- MA	11.8	0.0	96.59	0.06		Low
33	Deerfield	MA33-01	Deerfield River	Outlet Sherman Reservoir Monroe/Rowe, to confluence with Cold River, Charlemont (through former segment, Lower Reservoir MA33028).	13.1	B (CWF)	010802030201	Pelham Brook- Deerfield River	78.67	3.11	47.47	74.34	4	Franklin County- MA	11.8	0.0	96.59	0.06	0.00	Low
33	Deerfield	MA33-12	Pelham Brook	Headwaters outlet Pelham Lake, Rowe to confluence with Deerfield River, Charlemont.	4.8		010802030201	Pelham Brook- Deerfield River	78.67	3.11	47.47	74.34	4	Franklin County- MA	11.8	0.0	96.59	0.06	0.00	Low
33	Deerfield	MA33- 127	Todd Brook	Headwaters east of Coon Hill, Charlemont to confluence with Deerfield River, Charlemont.	1.2	B (CWF)	010802030201	Pelham Brook- Deerfield River	78.67	3.11	47.47	74.34	4	Franklin County- MA	11.8	0.0	96.59	0.06	0.00	Low
33	Deerfield	MA33- 128	Unnamed Tributary	Unnamed tributary to Deerfield River known as 'Bear Swamp Outflow', from headwaters north of Tunnel Road, Rowe to confluence with Deerfield River, Rowe.	12	B (CWF)	010802030201	Pelham Brook- Deerfield River	78.67	3.11	17 17	74.34	4	Franklin County- MA	11.8	0.0	96.59	0.06	0.00	Low
	Deerfield	MA33-53	Granger Brook	Headwaters, west of Bliss Road, Florida to confluence with Dunbar Brook, Monroe.	1.5		010802030201	Pelham Brook- Deerfield				74.34		Franklin County- MA	11.8	0.0		0.06		Low
			Cascade	Headwaters, perennial portion southeast of Moore Road, Florida to confluence				Pelham Brook- Deerfield						Franklin County-						
33	Deerfield	MA33-43	Brook Haley	with Deerfield River, Florida. Headwaters north of Main Street, Monroe to confluence with Dunbar	1.8		010802030201	River Pelham Brook- Deerfield Biver	78.67	3.11		74.34	4	MA Franklin County-	11.8	0.0	96.59	0.06		Low
		MA33-57	Brook Steele	Brook, Monroe. Headwaters, perennial portion north of Tunnel Road, Rowe to confluence	1.5		010802030201	River Pelham Brook- Deerfield	78.67			74.34	4	MA Franklin County-	11.8	0.0	96.59	0.06		Low
33	Deerfield	MA33-85	Brook	with Pelham Brook, Rowe.	1.7	В	010802030201	River	78.67	3.11	47.47	74.34	4	MA	11.8	0.0	96.59	0.06	0.00	Low

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				Headwaters, north of Hazelton Road, Rowe to				Pelham Brook-						Franklin						
33	Deerfield	MA33-76	Rice Brook	confluence with Pelham Brook, Rowe.	1.2	В	010802030201	Deerfield River	78.67	3.11	47.47	74 34	4	County- MA	11.8	0.0	96.59	0.06	0.00	Low
33		MA33- 123	Parsonage Brook	Headwaters north of Main Road, Monroe to confluence with Dunbar Brook, Monroe.	1.5		010802030201	Pelham Brook- Deerfield River	78.67		47.47		4	Franklin County- MA	11.8	0.0	96.59	0.06		Low
33	Deerfield	MA33- 129	Tuttle Brook	Headwaters east of Leshures Road, Rowe to mouth at confluence with Potter Brook, Rowe.	2	В	010802030201	Pelham Brook- Deerfield River	78.67	3.11		74.34	4	Franklin County- MA	11.8	0.0	96.59	0.06		Low
33	Deerfield	MA33-06	North River	From confluence of East and West branches of the North River, Colrain to confluence with Deerfield River, Shelburne/Charlemont. (Segment changed 1997 - East Branch no longer included in length) (HQW applies upstream of Barnhardt discharge (NPDES# MA0003697)).	3.3	В (CWF, HQW*)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-35	Avery Brook	Headwaters, perennial portion south of Colrain Brook Road, Heath to confluence with Deerfield River, Charlemont.	3.7	B (CWF)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33		MA33-67	Maxwell Brook	Headwaters, located north of Tatro Road, Rowe to confluence with Mill Brook, Charlemont.		B (CWF)	010802030205	Mill Brook- Deerfield River	76.22		52.38		5	Franklin County- MA	10.4	0.0	92.20	0.08		Low
33		MA33-93	Willis Brook	Headwaters, perennial portion south of South Road, Heath to confluence with Hartwell Brook, Charlemont.		B (CWF)	010802030205	Mill Brook- Deerfield River	76.22		52.38		5	Franklin County- MA	10.4	0.0	92.20	0.08		Low
33	Deerfield	MA33-92	Wilder Brook	Headwaters, east of Flagg Hill Road, Heath to confluence with Deerfield River, Charlemont.	2.9	B (CWF)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low

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33	Deerfield	MA33-33	Albee Brook	Headwaters, north of Dodge Corner Road, Hawley to confluence with Deerfield River, Charlemont.	1	B (CWF)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-01	Deerfield River	Outlet Sherman Reservoir Monroe/Rowe, to confluence with Cold River, Charlemont (through former segment, Lower Reservoir MA33028).	13.1	B (CWF)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-02	Deerfield River	Confluence with Cold River, Charlemont to confluence with North River, Charlemont/Shelburne.	11.4	B (CWF)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-05	Cold River	Source in Florida to confluence with Deerfield River, Charlemont.	13.7	B (CWF)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-11	Chickley River	Headwaters Savoy Mountain State Forest, Savoy to confluence with Deerfield River, Charlemont.	11.1	B (CWF)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-13	Bozrah Brook	Headwaters, located west of East Hawley Road, Hawley (drains wetland) to confluence with Deerfield River, Charlemont.	3	B (CWF)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-14	Mill Brook	Headwaters, originating north of Rowe Road, Heath to confluence with the Deerfield River, Charlemont.	5.7	B (CWF)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33		MA33- 125	Rice Brook	Perennial portion east of Legate Hill Road, Charlemont to confluence with Deerfield River, Charlemont.		B (CWF)	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08		Low
33	Deerfield	MA33-65	Legate Hill Brook	Headwaters, perennial portion north of Blueberry Peak, Charlemont to confluence with Deerfield River, Charlemont.	3.4	В	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low

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33	Deerfield	MA33-58	Hartwell Brook	Headwaters, south of South Heath Road, Charlemont to confluence with Deerfield River, Charlemont.	2.1	В	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-59	Heath Brook	Headwaters, south of West Main Street, Heath to confluence with Mill Brook, Heath.	1	В	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-72	East Oxbow Brook	Headwaters, perennial portion east of Deer Run Lane, Charlemont to confluence with Deerfield River, Charlemont.	1.4	в	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-15	Clesson Brook	Outlet of unnamed pond south of Forget Road, Hawley through Cox Pond to confluence with Deerfield River, Buckland.	10.3	в	010802030205	Mill Brook- Deerfield River	76.22	5.73	52.38	74.29	5	Franklin County- MA	10.4	0.0	92.20	0.08	0.25	Low
33	Deerfield	MA33-69	Mill Brook	Headwaters, outlet Beaver Pond, Hawley to confluence with Chickley River, Hawley.	4.1	B (CWF)	010802030203	Chickley River	77.15	3.67	48.61	74.03	6	Franklin County- MA	10.2	0.0	80.98	0.09	0.38	Medium
33	Deerfield	MA33-11	Chickley River	Headwaters Savoy Mountain State Forest, Savoy to confluence with Deerfield River, Charlemont.	11.1	B (CWF)	010802030203	Chickley River	77.15	3.67	48.61	74.03	6	Franklin County- MA	10.2	0.0	80.98	0.09	0.38	Medium
33		MA33- 126	North Brook	Perennial portion north of Harwood Road, Hawley to confluence with Chickley River, Hawley.		B (CWF)	010802030203	Chickley River	77.15	3.67		74.03	6	Franklin County- MA	10.2	0.0	80.98	0.09		Medium
33		MA33-36	Basin Brook	Headwaters, Kenneth M. Dubuque Memorial State Forest, Hawley to confluence with King Brook, Hawley.	2.2		010802030203	Chickley River	77.15	3.67		74.03	6	Franklin County-	10.2	0.0	80.98	0.09		Medium
33	Deerfield	MA33-39	Brown Brook	Headwaters, perennial portion east of Scott Road, Savoy to confluence with Chickley River, Savoy.	0.4	В	010802030203	Chickley River	77.15	3.67	48.61	74.03	6	Franklin County- MA	10.2	0.0	80.98	0.09	0.38	Medium
33	Deerfield	MA33-62	Horsefords Brook	Headwaters, west of Bannis Road, Savoy to confluence with Chickley River, Savoy.	1.9	В	010802030203	Chickley River	77.15	3.67	48.61	74.03	6	Franklin County- MA	10.2	0.0	80.98	0.09	0.38	Medium

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33	Deerfield	MA33-64	King Brook	Outlet Hallockville Pond, Hawley to confluence with Chickley River, Hawley.	2.1	В	010802030203	Chickley River	77.15	3.67	48.61	74.03	6	Franklin County- MA	10.2	0.0	80.98	0.09	0.38	Medium
33	Deerfield	MA33-75	Potash Brook	Headwaters, Cranberry Swamp, Hawley (drains wetland) to confluence with Mill Brook, Hawley.	1.4	В	010802030203	Chickley River	77.15	3.67	48.61	74.03	6	Franklin County- MA	10.2	0.0	80.98	0.09	0.38	Medium
33	Deerfield	MA33- 118	Fuller Brook	Perennial portion in Debuque State Forest, Hawley to confluence with Chickley River, Hawley.	0.9	В	010802030203	Chickley River	77.15	3.67	48.61	74.03	6	Franklin County- MA	10.2	0.0	80.98	0.09	0.38	Medium
33	Deerfield	MA33- 119	Tilton Brook	Headwaters in Savoy Mountain State Forest, west of Bannis Road, Savoy to confluence with Chickley River, Savoy.	2	В	010802030203	Chickley River	77.15	3.67	48.61	74.03	6	Franklin County- MA	10.2	0.0	80.98	0.09	0.38	Medium
33	Deerfield	MA33-44	Chapel Brook	Outlet of unnamed pond, Ashfield to confluence with Poland Brook, Conway.	3.4	B (CWF)	010802030501	South River	53.63	7.44	52.23	66.14	29	Franklin County- MA	8.6	0.0	73.17	0.09	0.34	Medium
33	Deerfield	MA33-74	Poland Brook	Confluence with Chapel Brook, Conway to confluence with South River, Conway.	2.6	B (CWF)	010802030501	South River	53.63	7.44	52.23	66.14	29	Franklin County- MA	8.6	0.0	73.17	0.09	0.34	Medium
33	Deerfield	MA33-46	Creamery Brook	Headwaters, perennial portion west of Steady Line Road, Ashfield to confluence with South River, Ashfield.	2.4	B (CWF)	010802030501	South River	53.63	7.44	52.23	66.14	29	Franklin County- MA	8.6	0.0	73.17	0.09	0.34	Medium
33		MA33-63	Johnny Bean Brook	Headwaters, Poland Brook State Wildlife Management Area, Conway to confluence with South River, Conway.	1.7		010802030501				52.23		29	Franklin County- MA	8.6	0.0	73.17	0.09		Medium
33	Deerfield	MA33-71	Nye Brook	Headwaters, perennial portion north of Guinea Gulf (Conway State Forest), Conway to confluence with Poland Brook, Conway.	0.7	В	010802030501	South River	53.63	7.44	52.23	66.14	29	Franklin County- MA	8.6	0.0	73.17	0.09	0.34	Medium
33	Deerfield	MA33-32	Pumpkin Hollow Brook	Headwaters north of Conway State Forest and south of Old Cricket Hill Road, Conway to confluence with South River, Conway.	2.3	В	010802030501	South River	53.63	7.44	52.23	66.14	29	Franklin County- MA	8.6	0.0	73.17	0.09	0.34	Medium

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33	Deerfield	MA33- 115	Unnamed Tributary	Unnamed tributary to Chapel Brook, headwaters west of Bird Hill Road, Ashfield to confluence with Chapel Brook, Ashfield.	1.5	в	010802030501	South River	53.63	7.44	52.23	66.14	29	Franklin County- MA	8.6	0.0	73.17	0.09	0.34	Medium
33		MA33- 114	Unnamed Tributary	Headwaters east of Pine Hill Road, Conway to confluence with South River, Conway.		B	010802030501	South River	53.63		52.23		29	Franklin County- MA	8.6	0.0	73.17	0.09		Medium
33	Deerfield	MA33-23	Drakes Brook	Headwaters, (perennial portion) west of North Warger Road, Ashfield to confluence with Bear River, Conway.	2.3	B (CWF)	010802030502	Bear River- Deerfield River	50.28	9.57	57.28	66	30	Franklin County- MA	8.2	0.0	83.90	0.10	0.42	Medium
33		MA33- 112	Hawkes Brook	Headwaters east of Zerah Fiske Road, Shelburne to confluence with Dragon Brook, Shelburne.		B (CWF)	010802030502	Bear River- Deerfield River	50.28		57.28	66	30	Franklin County- MA	8.2	0.0	83.90	0.10		Medium
33	Deerfield	MA33-54	Great Brook	Headwaters, perennial portion west at Zerah Fiske Road, Shelburne to confluence with Hawkes Brook, Shelburne.	1.2	В	010802030502	Bear River- Deerfield River	50.28	9.57	57.28	66	30	Franklin County- MA	8.2	0.0	83.90	0.10	0.42	Medium
33	Deerfield	MA33-82	Sids Brook	Headwaters, perennial portion north of Baptist Corner Road, Ashfield to confluence with Drakes Brook, Conway.	1.7	В	010802030502	Bear River- Deerfield River	50.28	9.57	57.28	66	30	Franklin County- MA	8.2	0.0	83.90	0.10	0.42	Medium
33		MA33-83	Sluice Brook	Headwaters, north of Tower Road, Shelburne to confluence with Deerfield River, Shelburne.	3.3		010802030502	Bear River- Deerfield	50.28			66	30	Franklin County- MA	8.2	0.0	83.90	0.10		Medium
33	Deerfield	MA33-81	Sheldon Brook	Headwaters, south of Old Albany Road, Shelburne to confluence with Deerfield River, Deerfield/Greenfield.	1.4	в	010802030502	Bear River- Deerfield River	50.28	9.57	57.28	66	30	Franklin County- MA	8.2	0.0	83.90	0.10	0.42	Medium
33	Deerfield	MA33-22	Shingle Brook	Headwaters north of Guy Manners Road, Shelburne to confluence with the Deerfield River, Deerfield.	2.8	В	010802030502	Bear River- Deerfield River	50.28	9.57	57.28	66	30	Franklin County- MA	8.2	0.0	83.90	0.10	0.42	Medium

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				Headwaters, north of Wilder Hill Road, Conway to				Bear River-						Franklin						
		MA33-	Schneck	confluence with the				Deerfield						County-						
33	Deerfield	113	Brook	Deerfield River, Conway.	2	В	010802030502	River	50.28	9.57	57.28	66	30	MA	8.2	0.0	83.90	0.10	0.42	Medium
				Unnamed tributary to the Deerfield River from headwaters, outlet Goodnow Road Pond, Buckland to mouth at				Bear River-						Franklin						
22		MA33-	Unnamed	confluence with the	1.5	_	040000000500	Deerfield	50.00	0.57	57.00		20	County-			02.00	0.40	0.42	
33	Deerfield	133	Tributary	Deerfield River, Buckland.	1.5		010802030502	River	50.28	9.57	57.28	66	30	MA	8.2	0.0	83.90	0.10	0.42	Medium
			Hibbard	Headwaters, north of West Leyden Road, Leyden to confluence with Green		A (PWS, ORW, HQW,		Lower						Franklin County-						
33	Deerfield	MA33-60	Brook	River, Leyden.	1.5	CWF)	010802030402	Green River	50.7	11.91	56.78	65.19	37	MA	7.4	0.0	77.56	0.10	0.49	Medium
			Workman	Headwaters, perennial portion west of East Colrain Road, Colrain (drains wetland) to confluence with		A (PWS, ORW, HQW,	040000000000000000000000000000000000000	Lower	50.7	44.04	56 70	65.40	27	Franklin County-			77.50	0.10		
33	Deerfield	MA33-94	Brook	Green River, Colrain.	1.4	CWF)	010802030402	Green River	50.7	11.91	56.78	65.19	37	MA	7.4	0.0	77.56	0.10	0.49	Medium
33	Deerfield	MA33-98	Stafford Brook	Headwaters, perennial portion south of East Colrain Road, Colrain to confluence with Green River, Colrain.	1.4	A (PWS, ORW, HQW, CWF)	010802030402	Lower Green River	50.7	11.91	56.78	65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10	0.49	Medium
				Headwaters, east of Kately		A (PWS, ORW,								Franklin						
			Katley	Hill, Leyden to confluence		HQW,		Lower						County-						
33	Deerfield	MA33-99	Brook	with Green River, Leyden.	1.3	CWF)	010802030402	Green River	50.7	11.91	56.78	65.19	37	MA	7.4	0.0	77.56	0.10	0.49	Medium
22	Deerfield	MA33-28	Green River	Vermont line, Colrain to water supply dam north of Eunice Williams Drive (Pumping Station Dam, National ID MA02291), Greenfield (formerly part of MA33-09).	8.4	A (PWS, ORW, HQW, CWF)	010802030402	Lower Green River	50.7	11 91	56.78	65 19	37	Franklin County- MA	7.4	0.0	77.56	0.10	0.49	Medium
55	Deerneiu	101733-20	nivel		0.4		510002030402	Green Nivel	50.7	11.71	50.70	05.15	57		/.4	0.0	77.50	0.10	0.49	Wiedluff
			East Glen	Headwaters, perennial portion north of East Glen Road, Leyden to inlet of Upper Greenfield Reservoir (Glen Brook Upper		A (PWS,		Lower						Franklin County-						
33	Deerfield	MA33-49	Brook	Reservoir), Leyden.	1.9	-	010802030402		50.7	11.91	56.78	65.19	37	MA	7.4	0.0	77.56	0.10	0.49	Medium

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33	Deerfield	MA33-52	Glen Brook	Headwaters, east of Brattleboro Road, Leyden to inlet of Upper Greenfield Reservoir (Glen Brook Upper Reservoir), Leyden.	3.5	A (PWS, ORW)	010802030402	Lower Green River	50.7	11.91	56.78	65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10	0.49	Medium
33	Deerfield	MA33-29	Green River	From water supply dam north of Eunice Williams Drive (Pumping Station Dam, National ID MA02291), Greenfield to the Swimming Pool #2 Dam (National Dam ID MA02321) northwest of Nashs Mill Road, Greenfield (formerly part of MA33-09).	4.6	B (CWF,	010802030402	Lower Green River		11.91		65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10		Medium
33	Deerfield	MA33- 117	Brandy Brook	Headwaters east of North County Road, Leyden to confluence with Glen Brook, Leyden.	1.6	A (PWS,	010802030402	Lower Green River		11.91			37	Franklin County- MA	7.4	0.0	77.56	0.10		Medium
33	Deerfield	MA33-34	Allen Brook	Headwaters, east of the Shelburne Colrain Road and Route 2 intersection, Shelburne to confluence with Green River, Greenfield.	3.6	в	010802030402	Lower Green River	50.7	11.91	56.78	65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10	0.49	Medium
33	Deerfield	MA33-84	Smead Brook	Headwaters, east of Old Albany Road, Greenfield to confluence with Wheeler Brook, Greenfield.	1.7		010802030402	Lower	50.7			65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10		Medium
33	Deerfield	MA33-68	Mccard Brook	Headwaters, east of Oak Hill Road, Leyden to confluence with Mill Brook, Greenfield.	2.1	В	010802030402	Lower Green River	50.7	11.91	56.78	65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10	0.49	Medium
33	Deerfield	MA33-96	Glen Brook	Outlet of Upper Greenfield Reservoir, Leyden to confluence with Green River, Greenfield.	3.2	в	010802030402	Lower Green River	50.7	11.91	56.78	65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10	0.49	Medium
33	Deerfield	MA33-95	Wheeler Brook	Headwaters, south of Old Greenfield Road, Shelburne to confluence with Green River, Greenfield.	2.5	В	010802030402	Lower Green River	50.7	11.91	56.78	65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10	0.49	Medium

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		MA33-	Punch	Headwaters, perennial portion east of Smead Road, Shelburne to confluence with Green River,				Lower						Franklin County-						
33	Deerfield Deerfield	100 MA33- 105	Brook Unnamed Tributary	Greenfield. Unnamed tributary to Glen Brook, headwaters north of Oak Hill Road, Leyden to confluence Glen Brook, Greenfield.	2.1		010802030402	Green River Lower Green River	50.7			65.19 65.19	37	MA Franklin County- MA	7.4	0.0	77.56	0.10		Medium
33	Deerfield	MA33- 103	Unnamed Tributary	Unnamed tributary to Hinsdale Brook, perennial portion east of Little Mohawk Road, Shelburne to confluence with Hinsdale Brook, Shelburne.	1.9		010802030402	Lower Green River	50.7		56.78	65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10	0.49	Medium
33	Deerfield	MA33- 104	Unnamed Tributary	Unnamed tributary to an unnamed tributary to Hinsdale Brook from Shearer Pond Dam (National Dam ID MA01531), Colrain to confluence with an unnamed tributary to Hinsdale Brook, Shelburne.	0.9	В	010802030402	Lower Green River	50.7	11.91	56.78	65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10	0.49	Medium
33		MA33- 132	Stewart Brook	Perennial portion north of Wilson Graves Road, Shelburne to mouth at confluence with Hinsdale Brook, Shelburne.	1		010802030402	Lower Green River	50.7			65.19	37	Franklin County- MA	7.4	0.0	77.56	0.10		Medium
33	Deerfield	MA33-61	Unnamed Tributary	Unnamed tributary to Clark Brook locally known as "Hog Hollow Brook", headwaters north of Bray Road, Buckland to confluence with Clark Brook, Buckland.	1.1	B (CWF)	010802030204	Clesson Brook	51.95	8.22	47.88	63.87	44	Franklin County- MA	9.2	0.0	91.22	0.07	0.09	Low
33		MA33-45	Cooley Brook	Headwaters, north of La Belle Road, Hawley to confluence with Clesson Brook, Buckland.	1.1		010802030204	Clesson Brook	51.95	8.22		63.87	44	Franklin County- MA	9.2	0.0	91.22	0.07		Low
33	Deerfield	MA33-79	Ruddock Brook	Headwaters, west of Dodge Corner Road, Hawley to confluence with Clesson Brook, Buckland.	1.1	B	010802030204	Clesson Brook	51.95	8.22	47.88	63.87	44	Franklin County- MA	9.2	0.0	91.22	0.07	0.09	Low

* Denotes waterbody with Mussel Richness of 3 or more as identified by Natural Heritage & Endangered Species Program

CWF- Cold Water Fishery; RPI – Recovery Potential Index;

Basin ID	Basin Name	Segment ID	Waterbody Name	Description	Size (miles)	Class (Qualifiers)	HUC12 Number	HUC12 Name	Ecological Index	Stressor Index	Social Index	RPI Score	RPI Rank	Majority County	Slope_ Mean_ Value_i n_HUC 12_Wa tershed	Percen t_MS4 _in_H UC12_ Waters hed	PHWA _HEAL TH_ND X_ST_ PCT_2 016	PHWA _VULN _NDX_ ST_201 6	Vulnerability Percentile Only Prioritized Waterbodies	Vulnerability Status (within prioritized waterbodies only)
33	Deerfield	MA33-15	Clesson Brook	Outlet of unnamed pond south of Forget Road, Hawley through Cox Pond to confluence with Deerfield River, Buckland.	10.3	В	010802030204	Clesson Brook	51.95	8.22	47.88	63.87	44	Franklin County- MA	9.2	0.0	91.22	0.07	0.09	Low
33	Deerfield	MA33-16	Clark Brook	Headwaters, near Moonshine Road (Howes Road)/East Buckland Road, Buckland to confluence with Clesson Brook, Buckland.	3.8	В	010802030204	Clesson Brook	51.95	8.22	47.88	63.87	44	Franklin County- MA	9.2	0.0	91.22	0.07	0.09	Low
33	Deerfield	MA33-26	Smith Brook	Headwaters, outlet Upper Reservoir, Ashfield to confluence with Clesson Brook, Buckland.	2.7		010802030204	Clesson Brook	51.95		47.88		44	Franklin County- MA	9.2	0.0	91.22	0.07	0.09	
33	Deerfield	MA33- 116	Unnamed Tributary	Unnamed tributary to Clesson Brook, headwaters north of Avery Road, Buckland to confluence with Clesson Brook, Buckland.	1.8		010802030204	Clesson Brook	51.95	8.22	47.88		44	Franklin County- MA	9.2	0.0	91.22	0.07	0.09	
33	Deerfield	MA33-25	Foundry Brook	Headwaters north of Calvin Coombs Road, Colrain to confluence with East Branch North River, Colrain.	2.8		010802030301	East Branch North River	42.32		60.62		38	Windham County-VT	8.2	0.0		NA	Not Classified	High
33	Deerfield	MA33- 106	Spur Brook	Headwaters, outlet small pond just west at intersection of Christian Hill Road and Thompson Road, Colrain to confluence with East Branch North River, Colrain.	2	в	010802030301	East Branch North River	42.32	7.6	60.62	65.11	38	Windham County-VT	8.2	0.0	NA	NA	Not Classified	High
33	Deerfield	MA33- 109	Unnamed Tributary	Unnamed tributary to West Branch North River, headwaters west of Wilson Hill Road, Colrain to confluence with West Branch North River, Colrain.	1.4	В	010802030301	East Branch North River	42.32	7.6	60.62	65.11	38	Windham County-VT	8.2	0.0	NA	NA	Not Classified	High
33	Deerfield	MA33- 108	Unnamed Tributary	Unnamed tributary to East Branch North River, headwaters outlet Mt. Brook Reservoir, Colrain to confluence with East Branch North River, Colrain.	1.4		010802030301	East Branch North River	42.32		60.62		38	Windham County-VT	8.2	0.0		NA	Not Classified	High

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	Zasin name	MA33-	Unnamed	Unnamed tributary to the East Branch North River, headwaters south of Fairbanks Road, Colrain to the confluence of the East		(dumers)		East Branch	Ш	S	S			Windham	tersited				Not	
33	Deerfield	107	Tributary	Branch North River, Colrain. Unnamed tributary to East Branch North River from headwaters east of Franklin Hill Road and southwest at Franklin Hill, Colrain to mouth at confluence with	1.7	В	010802030301	North River	42.32	7.6	60.62	65.11	38	County-VT	8.2	0.0	NA	NA	Classified	High
33	Deerfield	MA33- 134	Unnamed Tributary	East Branch North River, Colrain.	0.7	В	010802030301	East Branch North River	42.32	7.6	60.62	65.11	38	Windham County-VT	8.2	0.0	NA	NA	Not Classified	High
34	Connecticut	MA34- 41*	Sawmill River	Dudleyville Road, Leverett to mouth at confluence with Connecticut River, Montague (formerly part of MA34-26).	11	B (CWF)	010802010601	Sawmill River	68.35	6.44	55.28	72.4	12	Franklin County- MA	6.0	0.0	84.39	0.14	0.67	Medium
	connecticut	41	Sawmill	Headwaters, outlet Lake Wyola, Shutesbury to Dudleyville Road, Leverett	11		010802010001	Sawmill	08.33	0.44	55.20	72.4	12	Franklin County-	0.0	0.0	04.35	0.14		
34	Connecticut	MA34-40	River	(formerly part of MA34-26). Headwaters, northeast of Norwich Pond, Huntington to inlet Tighe Carmody Reservoir, Southampton (thru White Reservoir formely segment	2	B A (PWS,	010802010601	River Upper Manhan	68.35	6.44	55.28	72.4	12	MA Hampshire County-	6.0	0.0	84.39	0.14	0.67	Medium
34	Connecticut	MA34-10	River Tripple	MA34100). Headwaters, perennial portion, Southampton to mouth at confluence with Manhan River,	6.6	ORW)	010802010608	River Upper Manhan	70.71	8.54	51.99		13	MA Hampshire County-	5.4	4.2	58.05	0.23		High
34	Connecticut	MA34-16	Brook Moose	Southampton. Headwaters, perennial portion, Southampton to mouth at confluence with Manhan River,	1	B (CWF)	010802010608	River Upper Manhan	70.71	8.54	51.99	71.39	13	MA Hampshire County-	5.4	4.2	58.05	0.23	0.88	High
34	Connecticut	MA34-17	Brook	Southampton.	2.6	B (CWF)	010802010608	River	70.71	8.54	51.99	71.39	13	MA	5.4	4.2	58.05	0.23	0.88	High

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5.4 4.2	Hampshire County- MA	5.4 4.2 58.05 0.23 0.88	High
5.4 4.2	Hampshire County- MA	5.4 4.2 58.05 0.23 0.88	High
5.4 4.2	Hampshire County- MA	5.4 4.2 58.05 0.23 0.88	High
5.4 4.2	Hampshire County- MA	5.4 4.2 58.05 0.23 0.88	High
4.5 21.3	Hampshire County- MA	4.5 21.3 34.15 0.27 0.95	High
4.5 21.3	Hampshire County- MA	4.5 21.3 34.15 0.27 0.95	High
	Hampshire County-		
4.5	County- MA Hampshire County- MA Hampshire County-		

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			Buffum	Headwaters, west of West Pelham Road, Shutesbury to mouth at confluence with Harris Brook, (forming headwaters Amethyst										Hampshire County-						
34	Connecticut	MA34-49	Brook	Brook), Pelham.	3.1	B (CWF)	010802010605	Fort River	66.47	12.34	51.4	68.51	23	MA	4.5	21.3	34.15	0.27	0.95	High
34		MA34-46	Scarboro Brook	Headwaters, outlet Scarboro Pond, Belchertown to mouth at confluence with Hop Brook, Belchertown.		B (CWF)	010802010605	Fort River	66.47	12.34	51.4		23	Hampshire County- MA	4.5	21.3	34.15	0.27		High
34	Connecticut	MA34-35	Amethyst Brook	Headwaters, confluence of Buffum and Harris brooks, Pelham to mouth at confluence with Adams River (forming headwaters Fort River), Amherst.	2.1	В	010802010605	Fort River	66.47	12.34	51.4	68.51	23	Hampshire County- MA	4.5	21.3	34.15	0.27	0.95	High
34	Connecticut	MA34-61	Hop Brook	Headwaters, west of Oasis Drive, Belchertown to mouth at confluence with Fort River, Amherst.	8.6	в	010802010605	Fort River	66.47	12.34	51.4	68.51	23	Hampshire County- MA	4.5	21.3	34.15	0.27	0.95	High
34	Connecticut	MA34-33	Fall River	Vermont/Massachusetts border, Bernardston to mouth at confluence with Connecticut River, Greenfield/Gill.	10.2	B (CWF)	010802010502	Fall River	59.51	10.1	47.99	65.8	31	Franklin County- MA	8.2	0.0	89.76	0.08	0.32	Medium
	Connecticut		Shattuck Brook	Headwaters, confluence Keets and Beaver Meadow brooks, Leyden to mouth at confluence with Fall River, Bernardston.		B (CWF)	010802010502		59.51	10.1	47.99		31	Franklin County- MA	8.2	0.0	89.76	0.08		Medium
34	Connecticut	MA34-08	Temple Brook	Headwaters, outlet Bradley Pond, Monson to mouth at confluence with Scantic River, Hampden.	3.6	В	010802050201	Upper Scantic River	59.43	9.46	46.48	65.49	34	Hampden County- MA	5.3	27.8	67.80	0.23		High
	Connecticut		Broad Brook	Headwaters, Holyoke to mouth at inlet Nashawannuck Pond, Easthampton.		B (CWF)	010802010609	Lower Manhan River	63.53			65.31	35	Hampshire County- MA	4.7	69.4	38.54	0.30		High
34	Connecticut	MA34-14	White Brook	Headwaters, perennial portion, Easthampton to mouth at inlet Nashawannuck Pond, Easthampton.	1.8	В	010802010609	Lower Manhan River	63.53	11.21	43.6	65.31	35	Hampshire County- MA	4.7	69.4	38.54	0.30	0.98	High

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34	Connecticut	MA34-37	East Branch Mill River	Headwaters, confluence with Bradford Brook, Williamsburg to mouth at confluence with West Branch Mill River (forming headwaters Mill River), Williamsburg.	2.8	B (CWF)	010802010606	Mill River	51.07	7.46	48.09	63.9	43	Hampshire County- MA	6.4	13.9	77.07	0.21	0.78	High
34	Connecticut	MA34-38	West Branch Mill River	East Street, Goshen to the confluence of Meekin Brook, Williamsburg.	5.9	B (CWF)	010802010606	Mill River	51.07	7.46	48.09	63.9	43	Hampshire County- MA	6.4	13.9	77.07	0.21	0.78	High
34	Connecticut	MA34-52	Joe Wright Brook	Headwaters south of Hemenway Trail, Williamsburg to mouth at confluence with Mill River, Williamsburg.	3.3	B (CWF)	010802010606	Mill River	51.07	7.46	48.09	63.9	43	Hampshire County- MA	6.4	13.9	77.07	0.21	0.78	High
34		MA34-51	Rogers Brook	Headwaters east of Oak Hill Road near the Goshen/Ashfield border to mouth at confluence with West Branch Mill River, Goshen.		B (CWF)	010802010606	Mill River	51.07	7.46	48.09	63.9	43	Hampshire County- MA	6.4	13.9	77.07	0.21		High
34		MA34-	Mill River Diversion	Headwaters, outlet Paradise Pond, Northampton to mouth at confluence with Oxbow (east of Old Springfield Road), Northampton (thru Hulberts Pond formerly segment MA34036).	2.5		010802010606		51.07		48.09			Hampshire County- MA	6.4	13.9	77.07	0.21		High
34	Connecticut	MA34-39	West Branch Mill River	From the confluence of Meekin Brook, Williamsburg to mouth at confluence with East Branch Mill River (forming headwaters Mill River), Williamsburg.	0.6	В	010802010606	Mill River	51.07	7.46	48.09	63.9	43	Hampshire County- MA	6.4	13.9	77.07	0.21	0.78	High
34	Connecticut	MA34-33	Fall River	Vermont/Massachusetts border, Bernardston to mouth at confluence with Connecticut River, Greenfield/Gill.	10.2	B (CWF)	010802010503	Dry Brook- Connecticut River	40.65	8.41	59.26	63.83	46	Franklin County- MA	6.4	0.0	44.39	0.14	0.65	Medium

Basin	Pasin Namo	Segment	Waterbody	Description	Size (miles)	Class (Qualifiers)	HUC12 Number	HUC12 Name	Ecological Index	stressor Index	ocial Index	RPI Score	RPI Rank	Majority	Slope_ Mean_ Value_i n_HUC 12_Wa tershed	Percen t_MS4 _in_H UC12_ Waters hed	PHWA _HEAL TH_ND X_ST_ PCT_2 016	PHWA _VULN _NDX_ ST_201	Vulnerability Percentile Only Prioritized Waterbodies	Vulnerability Status (within prioritized waterbodies
<u>ID</u> 34	Basin Name	ID MA34-56	Name Fourmile Brook	Description Headwaters, south of the intersection of Four Mile Brook Road and South Mountain Road, Northfield, to mouth at confluence with Connecticut River, Northfield.		B (CWF)	010802010503	Dry Brook- Connecticut River	40.65		59.26	63.83	46	County Franklin County- MA	6.4	<u>ned</u> 0.0	44.39	0.14		only) Medium
	Connecticut	MA34-54	North Branch Manhan River	Headwaters, perennial portion, north of Northwest Road, Westhampton to mouth at confluence with Manhan River, Easthampton/Southampton.	9.2		010802010607	North Branch Manhan River	46.43	5.77	50.83		47	Hampshire County- MA	5.9	3.7	76.59	0.18		Medium
34	Connecticut	MA34-53	Sodom Brook	Headwaters, outlet small unnamed pond north of Crowley Road, Westhampton to mouth at confluence with North Branch Manhan River, Westhampton.	3.1	B (CWF)	010802010607	North Branch Manhan River	46.43	5.77	50.83	63.83	47	Hampshire County- MA	5.9	3.7	76.59	0.18	0.74	Medium
34	Connecticut	MA34-47	Rice Brook	Headwaters, perennial portion, south of Burt Road, Westhampton to mouth at confluence with Sodom Brook, Westhampton.	1.1	B (CWF)	010802010607	North Branch Manhan River	46.43	5.77	50.83	63.83	47	Hampshire County- MA	5.9	3.7	76.59	0.18	0.74	Medium
34	Connecticut	MA34-64	Dry Brook	Headwaters, west of Huckle Hill Road, Bernardston to mouth at confluence with the Connecticut River, Gill. Headwaters, outlet Brigham	8.3	В	010802010503	Dry Brook- Connecticut River	40.65	8.41	59.26	63.83	46	Franklin County- MA	6.4	0.0	44.39	0.14	0.65	Medium
36	Chicopee	MA36- 02*	West Branch Ware River	Pond, Hubbardston to mouth at confluence with East Branch Ware River (forming headwaters of Ware River), Barre.	4.5	A (PWS, ORW)	010802040201	West Branch Ware River	59.95	4.89	55.63	70.23	17	Worcester County- MA	3.6	0.0	94.63	0.14	0.67	Medium
36	Chicopee	MA36-44	Joslin Brook	Headwaters, outlet Lovewell Pond, Hubbardston to mouth at confluence with Mason Brook, Hubbardston.	3.3	A (PWS, ORW)	010802040201	West Branch Ware River	59.95	4.89	55.63	70.23	17	Worcester County- MA	3.6	0.0	94.63	0.14	0.67	Medium

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36	Chicopee	MA36- 35*	East Branch Swift River	Headwaters, confluence of Shattuck and Popple Camp brooks, Phillipston to mouth at inlet Pottapaug Pond, Petersham (through Connor Pond formerly segment MA36039).	9.8	A (PWS, ORW)	010802040102	Headwaters East Branch Swift River	64.25	4.38	48.48	69.45	20	Worcester County- MA	4.9	0.0	85.85	0.10	0.49	Medium
36	Chicopee	MA36-46	Bottle Brook	Headwaters, perennial portion, east of Dunhamtown Brimfield Road, Brimfield to mouth at confluence with Quaboag River, Brimfield.	2	В	010802040305	Middle Quaboag River	63.85	6.71	47.54	68.23	24	Worcester County- MA	6.2	0.0	80.00	0.21	0.83	High
36	Chicopee	MA36-48	Kings Brook	Headwaters, west of Saint John Street, Palmer to mouth at confluence with Quaboag River, Palmer.	3.3	в	010802040305	Middle Quaboag River	63.85	6.71	47.54	68.23	24	Worcester County- MA	6.2	0.0	80.00	0.21	0.83	High
36	Chicopee	MA36-47	East Branch Fever Brook	Headwaters, outlet Brooks Pond, Petersham to mouth at inlet Quabbin Reservoir, Petersham.	5.2	A (PWS, ORW)	010802040103	East Branch Fever Brook	51.05	2.32	48.63	65.79	32	Worcester County- MA	4.8	0.0	93.66	0.11		Medium
	Quinebaug	MA41-07	Mill Brook	From inlet of Mill Road Pond (formerly pond segment MA41032), Brimfield to mouth at confluence with Quinebaug River, Brimfield.	4.7		011000010102	Headwaters Quinebaug River	64.34	6.24	32.9		49	Hampden County- MA	5.5	2.0	73.66	0.24		High
	Quinebaug	MA41-08	Wales Brook	Headwaters, outlet Lake George, Wales to mouth at confluence with Mill Brook, Brimfield.	5.2		011000010102	Headwaters Quinebaug River	64.34	6.24		63.66		Hampden County- MA	5.5	2.0	73.66	0.24		High
	Quinebaug	MA41-18	Mountain Brook	Headwaters, east of Steerage Rock Road (excluding intermittent portion), Brimfield to mouth at confluence with Mill Brook, Brimfield.	1.9		011000010102	Headwaters Quinebaug River	64.34	6.24	32.9	63.66	49	Hampden County- MA	5.5	2.0	73.66	0.24		High
	Quinebaug	MA41-24	Hollow Brook	Headwaters, west of Hollow Road, Wales to mouth at confluence with Mill Brook, Brimfield.	2.7		011000010102	Headwaters Quinebaug	64.34			63.66		Hampden County- MA	5.5	2.0	73.66	0.24		High

Basin ID	Basin Name	Segment ID	Waterbody Name	Description	Size (miles)	Class (Qualifiers)	HUC12 Number	HUC12 Name	Ecological Index	Stressor Index	Social Index	RPI Score	RPI Rank	Majority County	Slope_ Mean_ Value_i n_HUC 12_Wa tershed	Percen t_MS4 _in_H UC12_ Waters hed	PHWA _HEAL TH_ND X_ST_ PCT_2 016	PHWA _VULN _NDX_ ST_201 6	Vulnerability Percentile Only Prioritized Waterbodies	Vulnerability Status (within prioritized waterbodies only)
41	Quinebaug	MA41-26	Unnamed Tributary	Unnamed tributary locally known as 'Freeman's Brook' from headwaters west of Cronin Road, Warren to an unnamed tributary to Long Pond, Sturbridge.	2.6	в	011000010102	Headwaters Quinebaug River	64.34	6.24	32.9	63.66	49	Hampden County- MA	5.5	2.0	73.66	0.24	0.91	High
41	Quinebaug	MA41-27	Unnamed Tributary	Unnamed tributary to Mill Brook, headwaters south of East Hill Road, Brimfield to mouth at confluence with Mill Brook, Brimfield.	1.7	В	011000010102	Headwaters Quinebaug River	64.34	6.24	32.9	63.66	49	Hampden County- MA	5.5	2.0	73.66	0.24	0.91	High
81	Nashua	MA81-77	Trapfall Brook	Headwaters, north of Jones Hill Road, Ashby to mouth at confluence with Willard Brook, Ashby.	5.5	B (ORW)	010700040301	Willard Brook	63.28	6.33	37.94	64.96	39	Middlesex County- MA	5.5	3.6	54.15	0.25	0.95	High
81	Nashua	MA81-78	Locke Brook	From New Hampshire border, Ashby to mouth at confluence with Willard Brook, Townsend.	4.4	B (ORW)	010700040301	Willard Brook	63.28	6.33	37.94	64.96	39	Middlesex County- MA	5.5	3.6	54.15	0.25	0.95	High

References

USEPA (2017). *Preliminary Healthy Watersheds Assessments*. which can be found at: <u>https://www.epa.gov/hwp/download-2017-preliminary-healthy-watersheds-assessments</u>

Carmignani, J. 2020. Mussel Richness by MassDEP segment (GIS layer file). Email to Matthew Reardon, dated November 10, 2020.