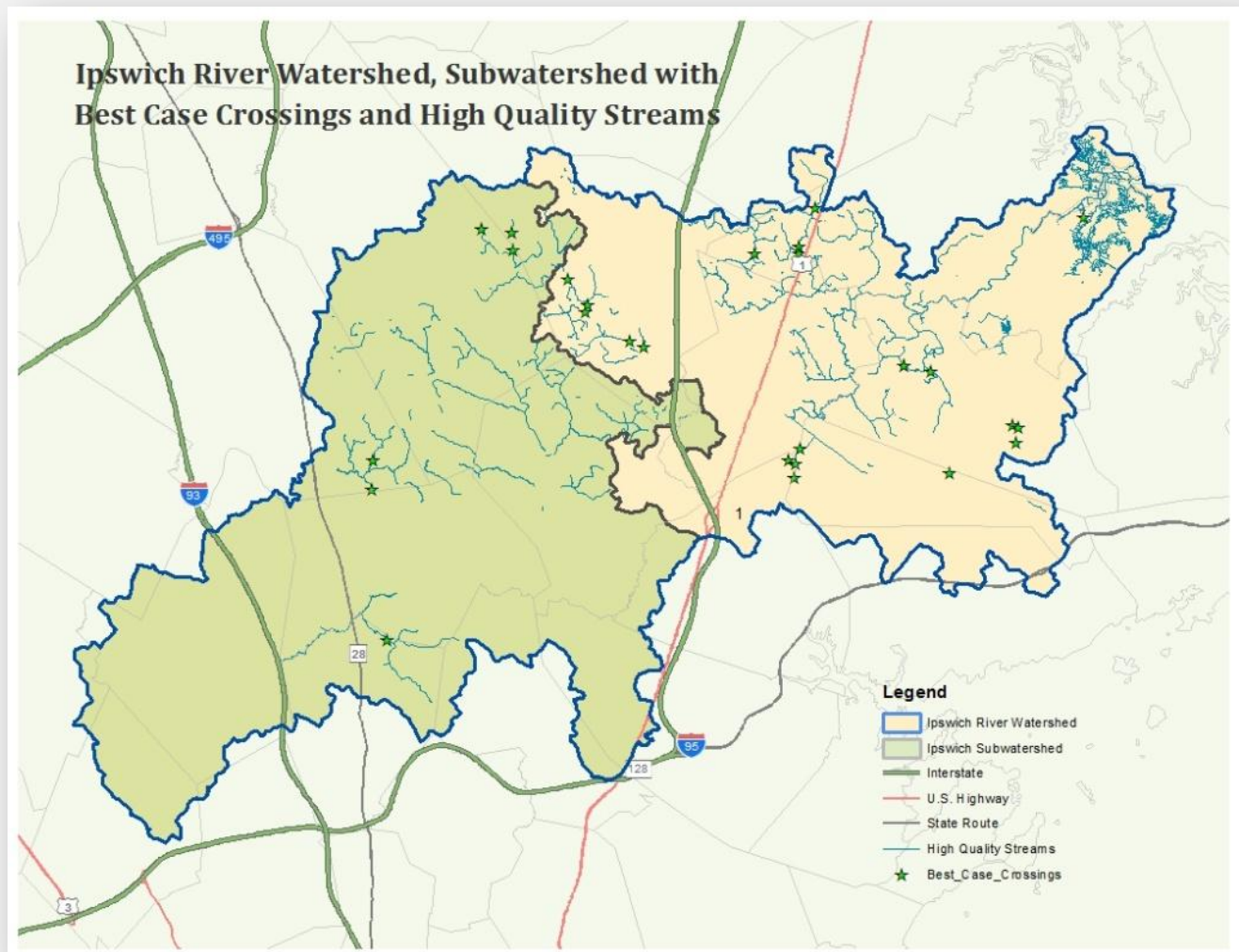


APPENDIX A: Ipswich, Buzzards Bay and Chicopee Subwatersheds with Best Case Crossings and High Quality Streams

IPSWICH SUBWATERSHED

# Crossings	# Best Case Crossings ¹
214	6

Figure AA-1 Ipswich River Subwatershed: Best Case Crossings and High Quality Streams

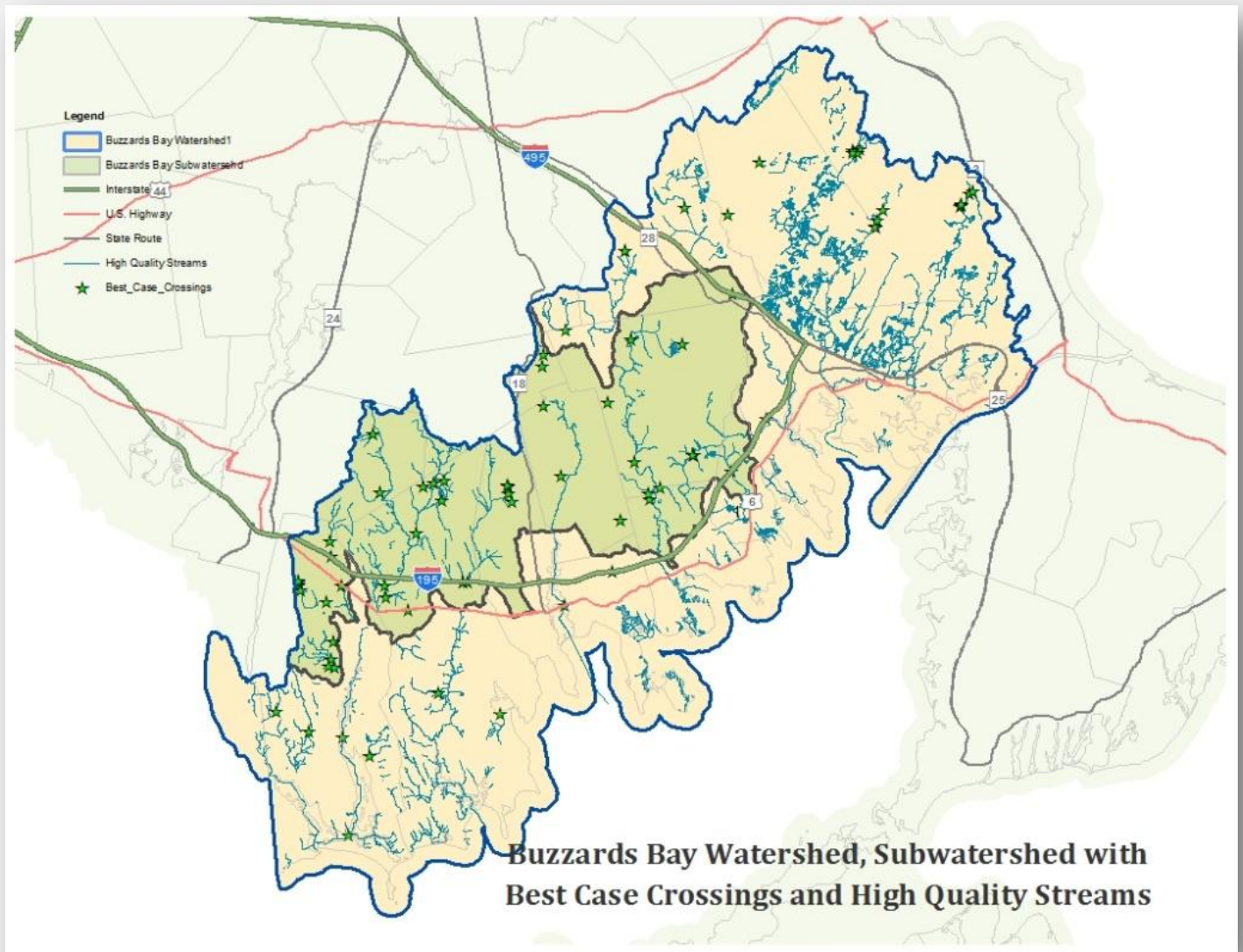


¹ While this figure may seem low, many of the high quality streams in this region are in coastal areas and not subject of this study.

BUZZARDS BAY SUBWATERSHED

# Crossings	# Best Case Crossings
228	48

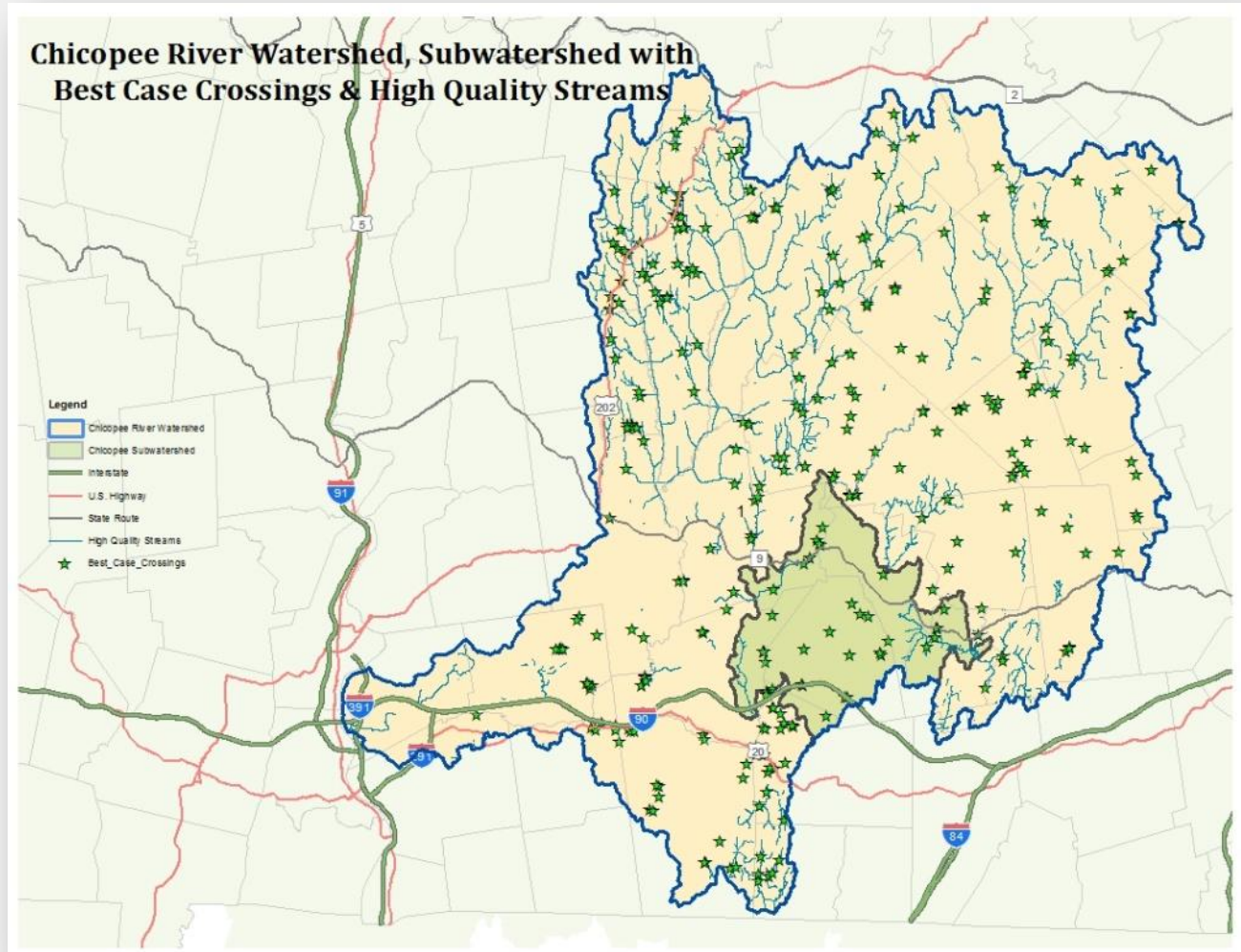
Figure AA-2: Buzzards Bay Subwatershed: Best Case Crossings and High Quality Streams



CHICOPEE SUBWATERSHED

# Crossings	# Best Case Crossings
198	33

Figure AA-3: Chicopee Subwatershed: Best Case Crossings and High Quality Streams



Appendix B: Field Data Form

5/12/2012

Field Data Form: Road-Stream Crossing Inventory

Data entry by _____ Date _____

Reviewed by _____ Date _____

Coordinator _____	Crossing ID# _____
Stream/River: _____	Road: _____ Town: _____
Flow condition: ☐ Unusually low ☐ Typical low-flow ☐ Average flow ☐ Higher than average	

GPS Coordinates (lat/long):

☐ Decimal degrees N _____ W _____

OR ☐ Degrees, minutes, seconds North: D _____ M _____ S _____

West: D _____ M _____ S _____

Date: _____ Location: _____ Observer: _____

Photo IDs: _____

Road/Railway Characteristics

Road surface: ☐ Paved ☐ Unpaved ☐ Railroad

Road type: ☐ 1-Lane road ☐ 2-Lane road ☐ Multilane road ☐ Divided highway ☐ Railroad ☐ Buried stream

Crossing/Stream Characteristics *(during generally low-flow conditions)*

Crossing type: ☐ Ford ☐ Bridge ☐ Open bottom arch ☐ Single culvert ☐ Multiple culverts (# _____)

☐ Removed ☐ No crossing

Condition of crossing: ☐ New ☐ Excellent ☐ Fair ☐ Poor

Does the stream at the crossing support fish? ☐ Yes ☐ Not likely ☐ Don't know

Is the stream flowing? ☐ Yes ☐ No

Crossing span: ☐ Severe constriction ☐ Mild constriction ☐ Spans bank to bank ☐ Spans channel & banks

Tailwater Scour pool: ☐ None ☐ Small (wider or deeper than stream) ☐ Large (width or depth 2X stream)

Crossing alignment matches stream? ☐ Yes (flow aligned) ☐ No (skewed)

Culvert/Bridge Cell Characteristics *(Culvert/cell #1; use page 3 for additional culverts or cells)*

Structure embedded? ☐ Not embedded ☐ Partially embedded ☐ Fully embedded ☐ No Bottom

Structure substrate: ☐ None (smooth) ☐ None (rough/corrugated) ☐ Inappropriate ☐ Contrasting ☐ Comparable

Internal features ☐ None ☐ Slip lined ☐ Baffles/Sills ☐ Weir(s) ☐ Support structures

Physical Barriers to fish and wildlife passage: ☐ Severe ☐ Moderate ☐ Minor ☐ None

Describe any barriers: _____

Is there a clear line of sight through the structure? ☐ Yes ☐ No

Does the structure provide dry passage suitable for use by terrestrial wildlife? ☐ Yes ☐ No

If yes, what is the maximum structure height in the portion that offers dry passage? _____ Feet

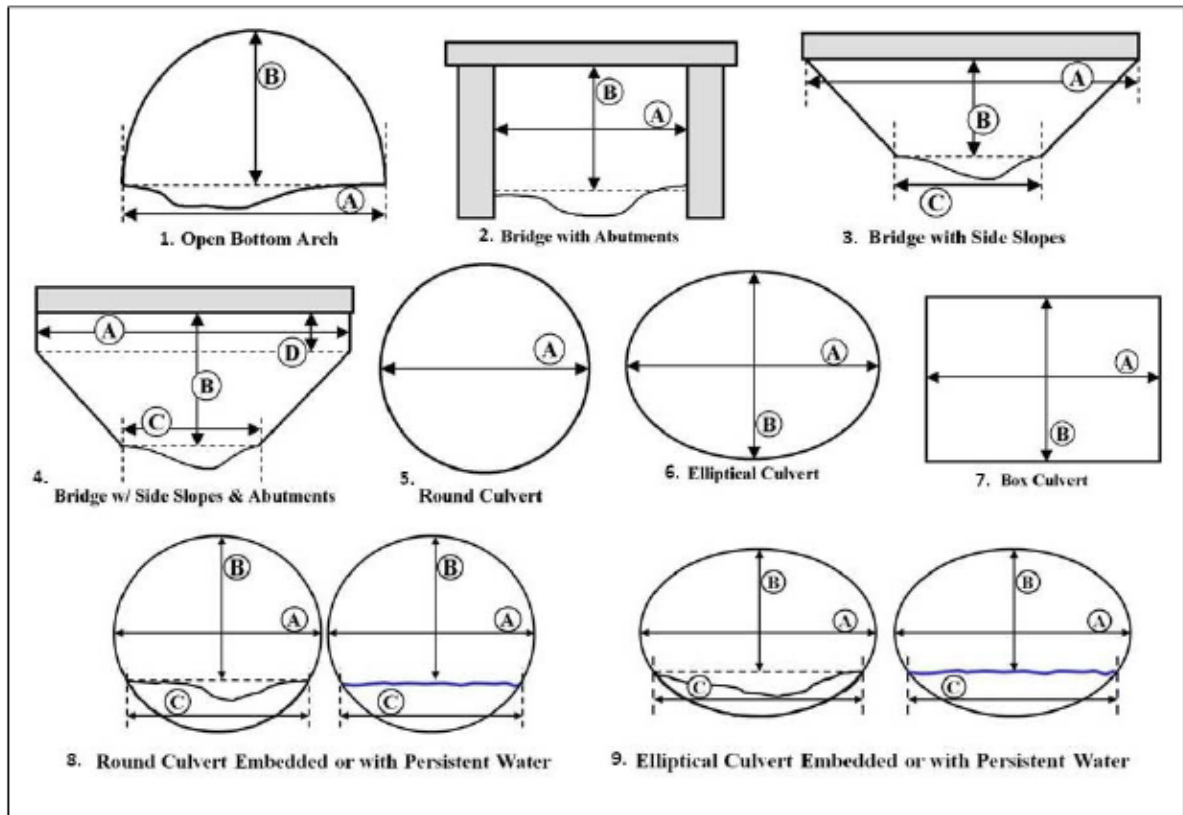
Comments _____

For the following questions use as a reference a portion of the natural stream channel that is outside the influence of the crossing structure and not otherwise altered.

Water depth matches stream? ☐ Yes (comparable) ☐ No (deeper) ☐ No (shallower) ☐ Dry

Water velocity matches stream? ☐ Yes (comparable) ☐ No (slower) ☐ No (faster) ☐ Dry

Crossing Slope matches stream? ☐ Yes (comparable) ☐ No (flatter) ☐ No (steeper)



Length of stream through crossing: _____ Feet

Inlet Structure Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Inlet Dimensions: A) _____ (ft.) B) _____ (ft.) C) _____ (ft.) D) _____ (ft.) ☐ Submerged

Inlet Water Depth (max depth inside the structure at the inlet): _____ Inches ☐ Measured ☐ Estimated

Inlet Drop ☐ None, or if present _____ Inches ☐ Measured ☐ Estimated

Outlet Structure Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Outlet Dimensions: A) _____ (ft.) B) _____ (ft.) C) _____ (ft.) D) _____ (ft.) ☐ Submerged

Outlet Water Depth (max depth inside the structure at the outlet): _____ Inches ☐ Measured ☐ Estimated

Outlet Drop

a. Culvert bottom to water surface ☐ None, or if present _____ Inches ☐ Measured ☐ Estimated

b. Culvert bottom to stream bed ☐ None, or if present _____ Inches ☐ Measured ☐ Estimated

c. With an outlet drop, check one: ☐ Cascade ☐ Freefall ☐ Freefall onto cascade ☐ No drop

Armored streambed at outlet? ☐ Extensive ☐ Not extensive ☐ None

Comments _____

STRUCTURE WORKSHEET FOR MULTIPLE CULVERT OR BRIDGE CELL CROSSINGS

Crossing ID# _____

Note: When inventorying multiple culverts or bridge cells, label left culvert/cell #1 and go in increasing order from left to right from downstream end (outlet) looking upstream.

Culvert or Bridge Cell # _____

Culvert/Bridge Cell Characteristics

Structure embedded? ☐ Not embedded ☐ Partially embedded ☐ Fully embedded ☐ No Bottom
 Structure substrate: ☐ None (smooth) ☐ None (rough/corrugated) ☐ Inappropriate ☐ Contrasting ☐ Comparable
 Internal features ☐ None ☐ Slip lined ☐ Baffles/Sills ☐ Weir(s) ☐ Support structures
 Physical Barriers to fish and wildlife passage: ☐ Severe ☐ Moderate ☐ Minor ☐ None

Describe any barriers: _____

Is there a clear line of sight through the structure? ☐ Yes ☐ NoDoes the structure provide dry passage suitable for use by terrestrial wildlife? ☐ Yes ☐ No

If yes, what is the maximum structure height in the portion that offers dry passage? _____ Feet

Comments _____

For the following questions use as a reference a portion of the natural stream channel that is outside the influence of the crossing structure and not otherwise altered.

Water depth matches stream? ☐ Yes (comparable) ☐ No (deeper) ☐ No (shallower) ☐ Dry
 Water velocity matches stream? ☐ Yes (comparable) ☐ No (slower) ☐ No (faster) ☐ Dry
 Crossing Slope matches stream? ☐ Yes (comparable) ☐ No (flatter) ☐ No (steeper)

Length of stream through crossing: _____ Feet

Inlet Structure Type: ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ FordInlet Dimensions: A) _____ (ft.) B) _____ (ft.) C) _____ (ft.) D) _____ (ft.) ☐ SubmergedInlet Water Depth (max depth inside the structure at the inlet): _____ Inches ☐ Measured ☐ EstimatedInlet Drop ☐ None, or if present _____ Inches ☐ Measured ☐ EstimatedOutlet Structure Type: ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ FordOutlet Dimensions: A) _____ (ft.) B) _____ (ft.) C) _____ (ft.) D) _____ (ft.) ☐ SubmergedOutlet Water Depth (max depth inside the structure at the outlet): _____ Inches ☐ Measured ☐ Estimated

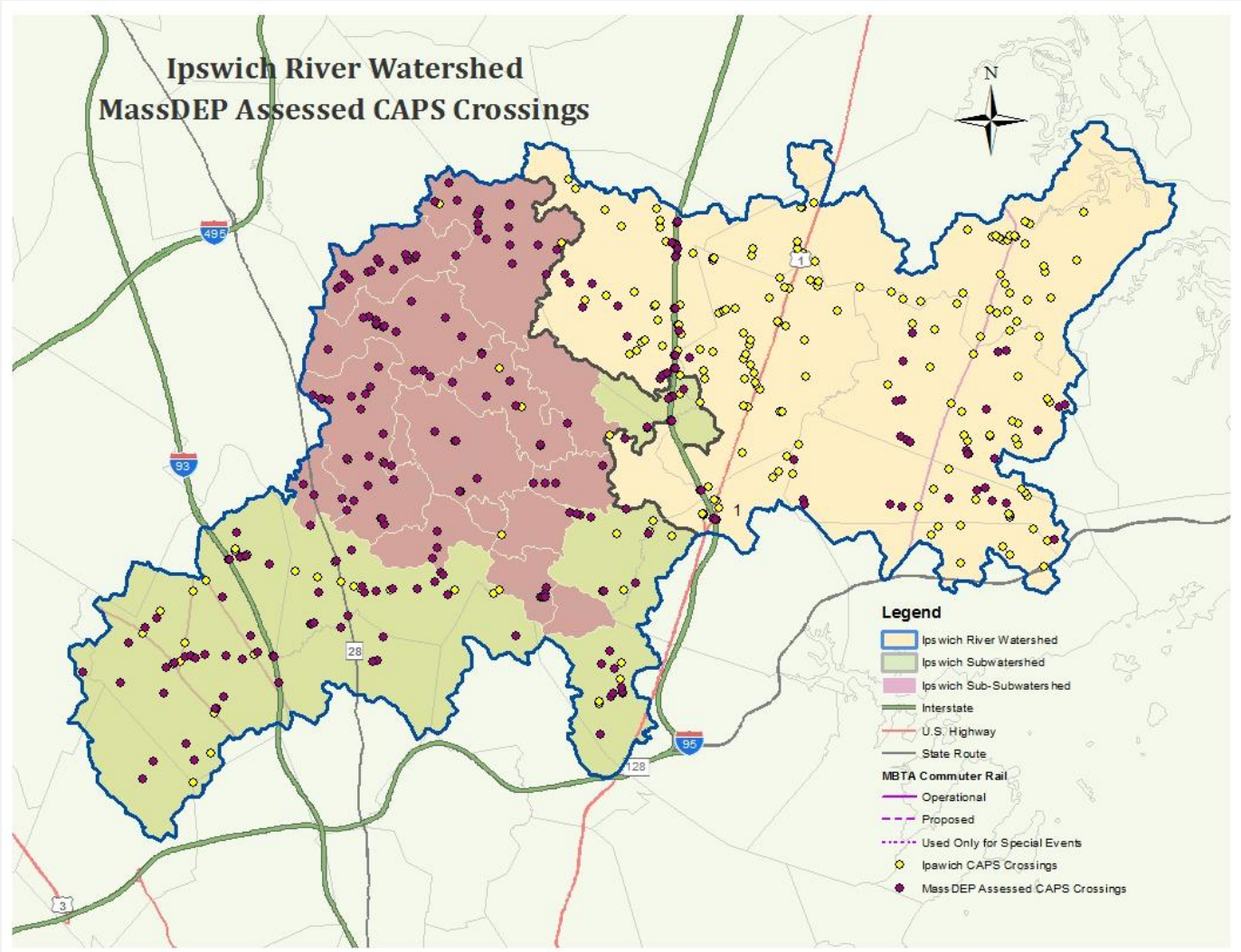
Outlet Drop

a. Culvert bottom to water surface ☐ None, or if present _____ Inches ☐ Measured ☐ Estimatedb. Culvert bottom to stream bed ☐ None, or if present _____ Inches ☐ Measured ☐ Estimatedc. With an outlet drop, check one: ☐ Cascade ☐ Freefall ☐ Freefall onto cascade ☐ No dropArmored streambed at outlet? ☐ Extensive ☐ Not extensive ☐ None

APPENDIX C

MassDEP Assessed CAPS Stream Crossings

Figure AC-1. Plot of MassDEP stream crossing assessments completed in the Ipswich River Watershed with CAPS Crossings added as a reference.



**Table AC-1: Ipswich River Stream Crossings Assessed by
MassDEP- 2012/13**

Stream Crossing ID	Road	Stream Name	Town	Aquatic Score	Evaluation
xy4251682071190110	Freeport Road	Sawmill Brook	Burlington	0.8	Minor barrier Moderate
xy4252206871169537	Chestnut Street	Unnamed	Wilmington	0.7	barrier
xy4252209771185864	Mill Street	Sawmill Brook	Burlington	0.8	Minor barrier Moderate
xy4252720871172387	Chestnut Street	Sawmill Brook	Wilmington	0.7	barrier
xy4252936371007536	Lake Street Main	Unnamed perennial stream	Peabody	0.6	Moderate barrier
xy4253748671160605	Street/Route 38	Maple Meadow Brook	Wilmington	0.9	Minor barrier Moderate
xy4254034071003550	Lake Street	Unnamed perennial stream	Peabody	0.6	barrier Insignificant
xy4254080071157410	Lowell St/Rt 38	Maple Meadow Brook	Wilmington	0.9	barrier Insignificant
xy4254119771002318	Winona Street	Unnamed perennial stream	Peabody	0.9	barrier Moderate
xy4254170470998643	Pine Brook Lane Burlington	Intermittent stream	Peabody	0.7	barrier Moderate
xy4254191471181512	Avenue	Mill Brook	Wilmington	0.6	barrier Moderate
xy4254293870998890	Pine Street	Unnamed perennial Stream	Peabody	0.6	barrier
xy4254495371135723	I-93 SB	?	Wilmington	0.8	Minor barrier
xy4254498571135403	I-93 NB	?	Wilmington	-1	No data
xy4254498571135403	I-93	?	Wilmington	-1	No data
xy4254510971198830	Forest Street	Unnamed intermittent	Wilmington	0.7	Minor barrier
xy4254819971213639	Cook Street	unknown	Billerica	0.8	Minor barrier Moderate
xy4254863271001667	Crystal Drive	Unnamed perennial	Peabody	0.7	barrier Moderate
xy4254953171180466	Canal Street	Mill Brook	Wilmington	0.7	barrier
xy4254981871007079	Lowell Street Main	Norris Brook	Peabody	0.9	Minor barrier
xy4255084971177167	Street/Route 38	Mill Brook	Wilmington	0.8	Minor barrier
xy4255108771098312	Eastway	Unnames perennial stream	Reading	0.8	Minor barrier Moderate
xy4255125971096085	Haverhill	Unnamed Perennial Stream	Reading	0.6	barrier Insignificant
xy4255196171149893	Federal Street Church Street/Rt	Maple Meadow Brook	Wilmington	0.9	barrier
xy4255244171168787	62	Mill Brook	Wilmington	0.7	Minor barrier
xy4255244171168787	Church Street	Mill Brook	Wilmington	0.7	Moderate

					barrier
xy4255270771137581	I-93	Ipswich River	Wilmington	0.9	Insignificant barrier
xy4255273671137935	I-93 SB	Ipswich River	Wilmington	-1	No data
					Moderate
xy4255275671172977	Clark Street	Mill Brook	Wilmington	0.5	barrier
					Insignificant
xy4255279171156522	Wildwood Street	Maple Meadow Brook	Wilmington	0.9	barrier
	Middlesex				Insignificant
xy4255308071170378	Avenue	Mill Brook	Wilmington	1	barrier
					Insignificant
xy4255330371164730	Adams Street	Mill Brook	Wilmington	1	barrier
					Insignificant
xy4255377871143757	Woburn Street	Ipswich River	Wilmington	0.9	barrier
xy4255387371003552	Russell Street	Norris Brook	Peabody	0.9	Minor barrier
	Shaw sheen				Moderate
xy4255691571195312	Avenue	Lubbers Brook	Wilmington	0.6	barrier
xy4255840571093779	Haverhill Street	Bear Meadow Brook	Reading	0.8	Minor barrier
					Moderate
xy4255853871040968	Main Street	Wills Brook	Lynnfield	0.7	barrier
xy4255894571146687	Concord Street	Lubbers Brook	Wilmington	0.9	Minor barrier
					Insignificant
xy4256118571110554	Mill Street	Ipswich River	Reading	1	barrier
					Moderate
xy4256143871188728	Wild Avenue	Lubbers Brook	Wilmington	0.6	barrier
			North		Significant
xy4256213471122353	Concord Street	unnamed	Reading	0.3	barrier
			North		
xy4256215871122848	Concord Street	unnamed	Reading	0.7	Minor barrier
			North		Moderate
xy4256246371121389	Concord Street	Unnamed	Reading	0.6	barrier
	Main				Insignificant
xy4256419271183992	Street/Route 38	Lubbers Brook	Wilmington	1	barrier
	Main Street/Rt.				Insignificant
xy4256451071107767	28	Ipswich River	Reading	1	barrier
					Moderate
xy4256977071030195	Boston Street	intermittent	Middleton	0.6	barrier
					Insignificant
xy4256980671029170	Boston Street	Ipswich River	Peabody	1	barrier
xy4256988171031164	Boston Road	Intermittent	Middleton	0.7	Minor barrier
	Middlesex				Insignificant
xy4257014871157975	Avenue	Lubbers Brook	Wilmington	0.9	barrier
		unnamed perennial	North		
xy4257070071068131	Park Street	stream	Reading	0.7	Minor barrier
xy4257083771029046	River Street	Flint Brook	Middleton	0.7	Minor barrier
xy4257143871005757	Nature Way	Pun chards Brook	Middleton	0.8	Minor barrier
xy4257158771101285	Park Street	Ipswich River	North	1	Insignificant

			Reading North		barrier
xy4257159071119239	Southwick Road	Unnamed Intermittent	Reading North	0.9	Minor barrier
xy4257175571096729	Chestnut Street	Ipswich River	Reading North	0.8	Minor barrier
xy4257229771089866	Central Street	Ipswich River	Reading North	0.8	Minor barrier
xy4257243071080362	Haverhill Street	Ipswich River	Reading North	1	Insignificant barrier
xy4257270271028831	Boston Street	Flint Brook	Middleton North	0.7	Minor barrier
xy4257307071102215	Winter Street/Rat 62	Intermittent Stream	Reading North	0.7	Minor barrier
xy4257381770993413	Andover St				Insignificant barrier
xy4257381770993413	Route 114	Ipswich River	Danvers North	1	Insignificant barrier
xy4257442871073094	Washington Street	Ipswich River	Reading North	0.9	Insignificant barrier
xy4257644771069806	Washington Street	Ipswich River	Reading North	1	Insignificant barrier
xy4257716471070910	Elm Street	unnamed perennial stream	Reading North	0.7	Moderate barrier
xy4257977871138989	Salem Street/Rt 62	Ipswich River	Wilmington	0.7	Moderate barrier
xy4258082471112324	Lowell Rd (Rt 62) & Main St (Rt 28)	Rapier Brook	North		
xy4258134471074166	Duane Drive	Intermittent	Reading North	0.7	Minor barrier
xy4258137371155388	I-93	?	Reading North	1	Insignificant barrier
xy4258141971155059	I-93	?	Reading North	0.6	Moderate barrier
xy4258204371150783	Andover Street	Unnamed Intermittent	Wilmington	-1	No data
xy4258244271148212	Woburn Street	Unnamed Intermittent	Wilmington	0.8	Minor barrier
xy4258388371106265	Country Club Road	Rapier Brook	Wilmington	0.3	Significant barrier
xy4258430971072165	Lindor Road	Unnamed perennial stream	Reading North	0.8	Minor barrier
xy4258581270826080	Hull Street	intermittent stream	Reading North	0.6	Moderate barrier
xy4258822170988177	Middleton Street	Intermittent stream	Reading North	0.6	Moderate barrier
xy4258919871072241	Darrel Drive	Intermittent	Wenham	0.7	Insignificant barrier
xy4258930671152068	Route 125	trib to Martins Brook	Middleton North	0.9	Minor barrier
xy4259110171122672	Burrough Road	Martins Brook	Reading North	0.8	Minor barrier
xy4259154371093225	Barbie Lane	Intermittent	Reading North	1	Insignificant

			Reading		barrier
xy4259246370961430	I-95 NB	No data	Boxford	-1	No data
xy4259246370961430	I-95 NB	?	Danvers	0.8	Minor barrier
xy4259253670961962	I-95 SB	No data	Danvers	-1	No data
xy4259253670961962	I-95	?	Danvers	-1	No data
					Moderate
xy4259306471010871	Mount Vernon	Middleton Brook	Middleton North	0.7	barrier
xy4259321671094161	Wagon Drive	Intermittent	Reading	0.7	Minor barrier
	South Main	unnamed perennial			Moderate
xy4259384371015137	Street Rt 114	stream	Middleton	0.6	barrier
xy4259425771016226	Pleasant Street	Middleton Brook	Middleton	0.8	Minor barrier
		unnamed perennial			Moderate
xy4259453371019311	Lake Street	stream	Middleton	0.7	barrier
		Unnamed perennial			
xy4259558370886889	Main Street	stream	Wenham North	0.9	Minor barrier
xy4259558971107926	Central Street	Intermittent	Reading	0.7	Minor barrier
					Insignificant
xy4259572270996557	Maple Street	Ipswich River	Middleton	0.9	barrier
		Unnamed perennial			
xy4259636770845444	Grapevine Road	stream	Wenham	0.8	Minor barrier
xy4259656370891444	Lake Avenue	Intermittent Stream	Wenham	0.7	Minor barrier
		Unnamed perennial			Moderate
xy4259677570925431	Burley	street	Wenham	0.7	barrier
					Insignificant
xy4259733970850727	Grapevine Road	Unnamed perennial	Wenham	1	barrier
		Unnamed perennial			
xy4259802470926175	Maple Street	stream	Wenham	0.7	Minor barrier
xy4259806070868208	Larch Row	intermittent stream	Wenham North	0.7	Minor barrier
xy4259837271105448	Hillview Road	Intermittent	Reading North	0.8	Minor barrier
					Insignificant
xy4259911071110109	Central Street	Skug River	Reading North	0.9	barrier
	Route 28/Main				Insignificant
xy4260026971121358	Street	Skug River	Reading	0.9	barrier
					Moderate
xy4260054770857046	Larch Row	Intermittent Stream	Wenham	0.6	barrier
xy4260087970967103	I-95 SB	Nichols Brook	Topsfield North	-1	No data
	Marblehead				
xy4260096571062900	Street	intermittent	Reading	0.7	Minor barrier
xy4260105670966687	I-95 NB	Nichols Brook	Topsfield	0.7	Minor barrier
					Moderate
xy4260112470853489	Larch Row	Intermittent Stream	Wenham	0.6	barrier
xy4260298371099415	Mohawk Road	Skug River	Andover	0.7	Minor barrier
					Moderate
xy426031517024740	Essex Street	Emerson Brook	Middleton	0.6	barrier

xy4260317271033631	Lake Street	Emerson Brook	Middleton	0.7	Moderate barrier
xy4260346371029219	North Main Street	Emerson Brook	Middleton	1	Insignificant barrier
xy4260348071125473	Route 125/Andover Bypass	Bordering Vegetated Wetland	Andover	0.7	Moderate barrier
xy4260449571089393	Jenkins Road	Frye Pond	Andover	0.7	Moderate barrier
xy4260464071056253	Forest Street	unnamed perennial stream	Middleton	0.7	Minor barrier
xy4260479071056091	Forest Street	unnamed perennial stream	Middleton	0.5	Moderate barrier
xy4260844971006018	Liberty Street	Emerson Brook	Middleton	0.7	Moderate barrier
xy4260889171090033	Jenkins Road	Unnamed Perennial Stream	Andover	0.7	Moderate barrier
xy4260940771093127	Lorraine Campground	Frye Pond / Skug River	Andover	0.5	Moderate barrier
xy4260964070929616	Topsfield Road	Unnamed stream	Wenham	1	Insignificant barrier
xy4260984370849639	Miles River Road	Intermittent Stream	Hamilton	0.9	Minor barrier
xy4261083771107796	Harold Parker Road	Field Pond & Collins Pond	Andover	0.5	Moderate barrier
xy4261119670860289	Myopia Hunt Club access Road	Miles River	Hamilton	0.7	Moderate barrier
xy4261160271099029	Harold Parker Road	Slug River	Andover	1	Insignificant barrier
xy4261233370861037	Myopia Hunt Club access Road	Intermittent stream direct trib to Miles River	Wenham	0.7	Moderate barrier
xy4261450171030714	Essex Street	Boston Brook	Middleton	0.8	Minor barrier
xy4261487270883227	Linden Street	Intermittent Stream	Hamilton	0.7	Moderate barrier
xy4261526370884785	Howard Street	Intermittent Stream	Hamilton	0.7	Moderate barrier
xy4261573671064313	Stearns Pond Road	Unnamed Perennial Stream	North Andover	0.7	Minor barrier
xy4261581771064958	Stearns pond rd	unnamed perennial	Andover	0.3	Severe barrier
xy4261644970997006	Peabody Street	Ipswich River	Middleton	1	Insignificant barrier
xy4261654570887307	Highland Street	Intermittent Stream	Hamilton	0.8	Minor barrier
xy4261782470832337	Bridge Street	Unnamed perennial stream	Hamilton	0.8	Minor barrier
xy4261808771093340	Jenkins Road	Skug River	Andover	0.6	Moderate barrier

xy4261870971072826	Harold Parker Road	Stearns Pond	North Andover	0.6	Moderate barrier Insignificant
xy4261953170988240	East Street	Ipswich River	Middleton	1	barrier
xy4262072371020081	North Liberty Street	Boston Brook	Middleton	0.8	Minor barrier Insignificant
xy4262151470978504	Interstate 95	Ipswich River	Boxford	1	barrier Insignificant
xy4262160070979025	Interstate 95	Ipswich River Intermittent upstream & perennial	Boxford	1	barrier
xy4262407470852871	Bay Road	downstream	Hamilton	0.7	Minor barrier
xy4262475370823834	Juniper Road	Intermittent Stream	Hamilton	0.8	Minor barrier
xy4262536171102111	Salem Street	Skug River	Andover	0.7	Minor barrier
xy4262555470821415	Blueberry Lane	Intermittent Stream	Hamilton	0.8	Minor barrier Significant
xy4262610471040686	Essex Street	Creighton's Pond	Middleton	0.4	barrier Moderate
xy4262673070889056	Morris Avenue	Intermittent Stream	Hamilton	0.6	barrier
xy4262703170886547	Asbury Street	Intermittent Stream	Hamilton	0.7	Minor barrier
xy4262797570979810	Middleton Road	Unnamed Intermittent	Boxford	0.7	Minor barrier Moderate
xy4262797570979810	Middleton Road	Intermittent Stream	Boxford	0.7	barrier
xy4262821571115027	Andover Bypass	Intermittent Stream	Andover	0.7	Minor barrier
xy4262853670978659	Interstate 95	Unknown	Boxford	-1	No data
xy4262855870978543	Interstate 95	Unknown	Boxford	0.8	Minor barrier Moderate
xy4262860371117966	Ivy Lane	unnamed intermittent	Andover	0.6	barrier
xy4262866670978046	Interstate 95	Unknown	Boxford	-1	No data
xy4262879170977669	Interstate 95	Unknown	Boxford	-1	No data
xy4262900471052030	Sharpners Pond Rd	Intermittent Stream	North Andover	0.7	Moderate barrier Significant
xy4262904671106245	Salem Street	Unnamed Stream	Andover	0.5	barrier Moderate
xy4262963271121421	Holt Road	Unnamed intermittent	Andover	0.6	barrier Moderate
xy4262976271100454	Korinthian Way	Skug River	Andover	0.7	barrier
xy4263066370973784	Washington Street	Fish Brook	Topsfield	0.8	Minor barrier Insignificant
xy4263066370973784	Washington Street	Fish Brook	Topsfield	1	barrier Significant
xy4263195271098458	Gray Road	Skug River Unnamed Intermittent	Andover North	0.3	barrier
xy4263305671065650	Berry Street	Stream	Andover	0.7	Minor barrier

xy4263329171042649	Sharpners Pond Rd	Boston Brook	North Andover	0.9	Insignificant barrier
xy4263389670983036	Wildmeadow Road	Intermittent stream	Boxford	0.6	Moderate barrier
xy4263478970981993	Holmes Road	Unnamed perennial stream trib to Fish Brook	Boxford North	0.7	Moderate barrier
xy4263494571074595	Turnpike Street/Route 114	Intermittent Stream	Andover	0.7	Moderate barrier
xy4263569370979928	Middleton Road	Unnamed perennial stream trib to Fish Brook	Boxford North	0.7	Moderate barrier
xy4263659471080570	Colonial Avenue	Unnamed Intermittent Stream	Andover	0.9	Insignificant barrier
xy4263673671077463	Turnpike Street/Route 114	Intermittent Stream	North Andover	0.5	Moderate barrier
xy4263685270977261	I-95 SB	?	Boxford	0.9	Minor barrier
xy4263701670976742	I-95 NB	No data	Boxford North	-1	No data
xy4263786771095118	Stiles Street	Skug River	Andover	0.7	Moderate barrier
xy4263871170885979	Highland Street	Unnamed perennial stream- trib to Black Brook	Hamilton	0.7	Moderate barrier
xy4264005270970938	Lockwood Lane	Unnamed perennial stream trib to Fish Brook	Boxford	0.8	Minor barrier
xy4264075570976604	I-95 NB	Fish Brook	Boxford	1	Insignificant barrier
xy4264083170977113	I-95 SB	Fish Brook	Boxford	1	Insignificant barrier
xy4264117770848249	Bay Road	Intermittent Stream	Hamilton	0.8	Minor barrier
xy4264140570844891	Bay Road	Unnamed Perennial Stream	Hamilton North	0.9	Minor barrier
xy4264158171054217	Salem Street	Boston Brook	Andover	0.7	Minor barrier
xy4264300871115235	Prospect Road	UNNAMED PERENNIAL	Andover	0.7	Minor barrier
xy4264621270995978	Middtleton Road	Perennial stream trib to Fish Brook	Boxford	0.6	Moderate barrier
xy4264675670882209	Winthrop Street	Unnamed perennial stream	Hamilton North	0.5	Significant barrier
xy4264678871061687	Pheasant Brook Road	Boston Brook	Andover	1	Insignificant barrier
xy4264794270975412	Silverbrook Road	Intermittent Stream	Boxford North	0.6	Moderate barrier
xy4264798771088006	Brook Street	Boston Brook	Andover	0.7	Minor barrier

xy4264966671093350	Route 114/Turnpike Street	Unnamed Perennial Steam	North Andover	0.9	Insignificant barrier
xy4264989171093021	Johnson Street	Unnamed Perennial Stream	North Andover	0.8	Minor barrier
xy4265038471095976	Rat 114/Turnpike Street	Unnamed Perennial Stream	North Andover	0.7	Moderate barrier
xy4265172471096147	Rt 114/ Turnpike Street	Unnamed Perennial Stream	North Andover	0.7	Minor barrier
xy4265204871068592	Hawkins Lane	Boston Brook	North Andover	0.9	Insignificant barrier
xy4265244671101210	Rt 114/Turnpike Street	Unnamed Perennial Stream	North Andover	0.6	Moderate barrier
xy4265280371099019	Rt 114/Turnpike Street	Unnamed Perennial Stream	North Andover	0.4	Significant barrier
xy4265447270977342	I-95 SB	?	Boxford	0.6	Moderate barrier
xy4265447670976853	I-95 NB	No data	Boxford	-1	No data
xy4265505471013727	Townsend Farm Rd	Tributary to Fish Brook	Boxford	0.8	Minor barrier
xy4265520070999440	Mill Road	Fish Brook/Howes Pond	Boxford North	1	Insignificant barrier
xy4265721471081962	Carlton Lane	Intermittent Stream	Boxford North	0.6	Moderate barrier
xy4266083471111593	Willow Road	Unnamed Intermittent Stream	Andover North	0.6	Moderate barrier
xy4266161571110025	Route 114/ Turnpike Street	Unnamed Intermittent Stream	Andover North	0.6	Moderate barrier
xy4266186571009657	Main Street	Unnamed perennial stream trib to Fish Brook	Boxford	0.6	Moderate barrier
xy4266228371018557	Towne Road	Fish Brook	Boxford North	0.8	Minor barrier
xy4266389371106962	Chestnut Street	Mosquito Brook	Andover North	0.7	Moderate barrier
xy4266462671020687	Lawrence Road	Unnamed perennial stream trib to Fish Brook	Boxford	0.7	Minor barrier
xy4266482571027865	Brookview Road	Fish Brook	Boxford North	0.8	Minor barrier
xy4266526471108728	Woodlea Road	Mosquito Brook	Andover North	0.7	Moderate barrier
xy4266567771099025	Holly Ridge Road	Mosquito Brook	Andover North	0.8	Minor barrier
xy4266616871098001	Johnson Street	Mosquito Brook	Andover North	0.6	Moderate barrier
xy4266649171088906	South Cross Road	Mosquito Brook	Andover North	0.6	Moderate barrier
xy4266784571041507	Boxford Road	Fish Brook	Andover North	1	Insignificant barrier

			Andover North		barrier
xy4266784571041507	Boxford Street	Fish Brook	Andover North	0.9	Minor barrier
xy4266854071094505	Rea Street	Intermittent Stream	Andover North	0.7	Minor barrier
xy4266930171083268	Salem Street	Mosquito Brook	Andover North	0.6	Moderate barrier
xy4266951271095494	Abbott Street	intermittent stream	Andover North	0.7	Moderate barrier
xy4266978270976728	I-95 SB	No data	Boxford North	-1	No data
xy4266981771080657	Blue Ridge Road	Mosquito Brook	Andover North	0.7	Minor barrier
xy4267018570976220	I-95 NB	?	Boxford North	0.7	Moderate barrier
xy4267048471064193	Foster Street	Mosquito Brook	Andover North	0.7	Moderate barrier
xy4267056671080163	Blue Ridge Road	Intermittent Stream	Andover North	0.7	Moderate barrier
xy4267076371084204	Keyes Way	Intermittent Stream	Andover North	0.7	Moderate barrier
xy4267204171023936	Main Street	Unnamed Perennial unnamed perennial stream	Boxford North	0.6	barrier
xy4267204171023936	Main Street Power Lines East of I-95 NB	?	Boxford North	0.6	Moderate barrier
xy4267228270975600	I-95 NB	Pye Brook	Boxford North	0.9	barrier
xy4267332270976090	I-95 SB	No data	Boxford North	0.9	Minor barrier
xy4267347170976576	Main Street	Unnamed intermittent	Boxford North	-1	No data
xy4267351471031284	Main Street	Intermittent Stream	Boxford North	0.6	Moderate barrier
xy4267360971042754	Ogunquit Road	Mosquito Brook	Andover North	0.6	barrier
xy4267395470978094	I-95 NB	Pye Brook	Andover North	1	barrier
xy4267523771051959	Lost Pond Lane	Mosquito Brook	Boxford North	0.9	Minor barrier
xy4267786171054922	Foster Street	Mosquito Brook	Andover North	0.7	Minor barrier
xy4267883571043106	Main Street Haymeadow Road	Fish Brook	Boxford North	0.7	Moderate barrier
xy4267986471054929	I-95 SB	Unnamed perennial	Andover North	0.7	barrier
xy426798870976184	I-95 SB	No data	Boxford North	-1	No data
xy4268004270975670	I-95 NB	?	Boxford North	0.8	Minor barrier
xy4268264971055511	Dearmeadow Rd	Unnamed perennial	Andover North	0.7	Moderate barrier
xy4268410271054669	Sawmill Road	unnamed perennial	Andover North	0.5	Significant

			Andover		barrier Moderate
xy4268529971042605	Stiles Pond Road	Fish Brook	Boxford	0.5	barrier Moderate
xy4268557771042288	Stiles Pond Road	Stiles Pond	Boxford	0.6	barrier Moderate
xy4268557771042288	Stiles Pond Road	Fish Brook	Boxford North	0.6	barrier Moderate
xy4268641571072508	Cortland Drive	Intermittent stream unnamed intermittent	Andover North	0.6	barrier
xy4268683071063425	Winter Street	& perennial stream	Andover North	0.7	Minor barrier
xy4269195371066694	Winter Street	Intermittent	Andover	0.7	Minor barrier

Figure AC-2. Plot of MassDEP stream crossing assessments completed in the Buzzards Bay Watershed with CAPS Crossings added as a reference.

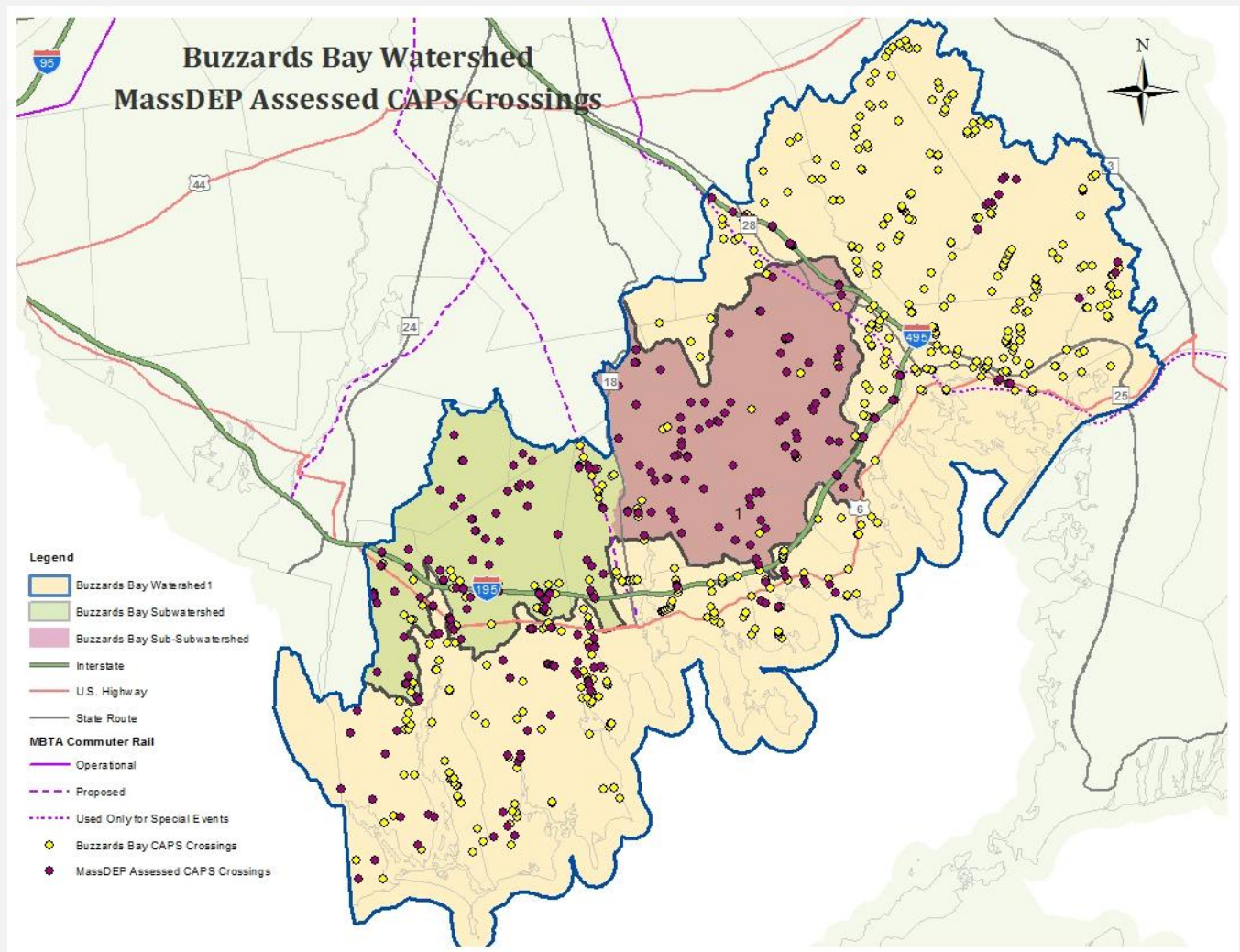


Table AC-2: Buzzards Bay Stream Crossings Assessed by MassDEP - 2012/13.

Stream Crossing ID	Road	Stream Name	Town	Aquatic Score	Evaluation
xy4155051271105152	Cornell Rd.	Angeline Brook	Westport	0.7	Minor barrier
xy4158464071120027	Sodom Road	no data	Westport	0.7	Minor barrier
xy4160915371082680	Hobbit Hill Rd Route 177	unknown	Westport	0.8	Moderate barrier
xy4163281571082985	American Legion	Unknown	Westport	0.7	Minor barrier

xy4163413871062591	Highway Rt 177 American Legion Hwy	Bread & Cheese Brook	Westport	1	Insignifican t barrier
xy4163628171049296	American Legion Highway	East Branch West Port River	Westport	1	Insignifican t barrier
xy4165058371101704	Briggs Road	unknown	Westport	0.6	Moderate barrier
xy4168183471017451	Old Fall River Rd	Shingle Island River	Dartmouth	0.8	Minor barrier
xy4168800170868607	Mattapoisett Rd	unknown	Acushnet	0.8	Minor barrier
xy4169302171036477	N. Hixville Rd	trib to Copicut River	Dartmouth	0.8	Minor barrier
xy4169946970998651	Flag Swamp Rd	unknown	Dartmouth	0.8	Minor barrier
xy4170386971043747	Copicut Rd	unknown	Fall River	0.7	Moderate barrier
xy4170709571011703	Collins Corner Road	trib to Shingle island R.	Dartmouth	0.6	Moderate barrier
xy4170944271004471	Flag Swamp Road	Shingle Island River	Dartmouth	0.5	Significant barrier
xy4171001670997010	Pine Island Road	unknown	Dartmouth	1	Insignifican t barrier
xy4171098671003257	Pine Island Road	Shingle Island River	Dartmouth	0.8	Minor barrier
xy4171401570787367	I-195 eastbound	unknown	Marion	0.7	Minor barrier
xy4171447770787747	Interstate 195	Benson Brook	Marion	0.6	Moderate barrier
xy4172009770922102	Tuck Away Road	Deep Brook	Acushnet	0.5	Moderate barrier
xy4172047371007818	Slagg Swamp Road	unknown	Freetown	0.6	Moderate barrier
xy4172283970995216	Bullock Rd	unknown	Freetown	0.8	Minor barrier
xy4173181270792366	Marion Rd (Rt 105)	Doggett Brook	Rochester	0.9	Minor barrier
xy4173750070893113	Robinson Road	unknown	Acushnet	0.8	Minor barrier
xy4173817670881720	Robinson Road	unknown	Acushnet	0.6	Moderate barrier
xy4174080070874220	Robinson Road (Rt 105)	unknown	Rochester	0.8	Minor barrier
xy4174197470869407	Robinson Road (Rt 105)	unknown	Rochester	0.8	Minor barrier
xy4174390870893800	Lantern Lane	unknown	Acushnet	0.6	Moderate barrier
xy4176066870935726	Dr Braley rd	Loring Brook	Freetown	0.5	Significant

xy4176848570907150	Bedford St	unknown	Rochester	0.6	barrier Moderate
xy4177208670924393	Dr. Braley Road	trib to Ashley Brook	Freetown	0.8	barrier Minor
xy4177665170825233	Walnut Plain Rd	trib to West Branch Sippican River	Rochester	0.9	barrier Minor
xy4177902670923717	Morton Road	unknown	Freetown	0.9	barrier Minor
xy4178449370819509	Ryder Road	West Branch Sippican River	Rochester	0.7	barrier Moderate
xy4179780170838975	walnut plain rd	unknown	Rochester Middleboroug	0.6	barrier Minor
xy4181538970830826	Spruce Street	unknown	h Middleboroug	0.8	barrier Moderate
Unidentified Culvert - 100	I-495 NB	?	h	0.6	barrier Moderate
xy4151006871115104	Brayton Pt. Road	Unknown	Westport	0.7	barrier
xy4151938271103696	Cross Road	no data	Westport	-1	No data Minor
xy4152717971074393	Drift Rd	Boiling Spring Brook	Westport	0.8	barrier Moderate
xy4153097871023103	Horseneck Rd	unknown	Dartmouth	0.6	barrier Minor
xy4153166271008263	Allen's Neck Rd	unknown	Dartmouth	0.7	barrier Moderate
xy4153627471012977	Horseneck Rd	unknown	Dartmouth	0.5	barrier Minor
xy4154117971085795	Main Rd	Dunham's Brook	Westport	0.8	barrier Minor
xy4154128671063488	Brook's End Ln	Pierce's Brook	Westport	0.9	barrier Minor
xy4154225971066977	Drift Rd	Pierce's Brook	Westport	0.9	barrier Moderate
xy4154375671016423	Horseneck Rd, off	unknown	Dartmouth	0.5	barrier Minor
xy4155582571126408	Adamsville Rd	W. Branch Westport River	Westport	0.8	barrier Minor
xy4156924571005955	Horseneck Rd	unknown	Dartmouth	0.7	barrier Moderate
xy4157108871004674	Rock O'Dundee Rd	Paskamanset River	Dartmouth	0.6	barrier Minor
xy4157116171004562	Rock O'Dundee Rd	Paskamanset River	Dartmouth	0.9	barrier Moderate
xy4157251871012967	Slades Corner Road	unknown	Dartmouth	0.6	barrier Minor
xy4157320271004350	Russell Mills Rd	trib to mill pond & Paskamanset River	Dartmouth	0.8	barrier

xy4157335471096526	Adamsville Road	no data	Westport	0.6	Moderate barrier
xy4158514570999732	Chase rd	trib to Paskamanset River	Dartmouth	0.6	Moderate barrier
xy4158530671088360	Main Road	Snell Creek	Westport	0.6	Moderate barrier
xy4159271070983867	Russell Mills Rd	unknown	Dartmouth	0.6	Moderate barrier
xy4159585071115208	Sodom Rd	unknown	Westport	0.6	Moderate barrier
xy4160055571073360	Drift Rd	Kirby Brook	Westport	0.7	Minor barrier
xy4160270271074539	Private Lane	Tributary to Kirby Brook	Westport	0.7	Moderate barrier
xy4160533870956213	Windjammer Drive	Tributary to Buttonwood Brook	Dartmouth	0.7	Moderate barrier
xy4160790470957396	Milton Street	Tributary to Buttonwood Brook	Dartmouth	0.6	Moderate barrier
xy4160944071081968	Main Rd	unknown	Westport	0.7	Minor barrier
xy4160991970957800	Holly Drive	unknown	Westport	0.7	Moderate barrier
xy4161068570957631	Cypress Street	no data	Dartmouth	0.7	Moderate barrier
xy4161215471011058	Lucy Little Rd	Tributary to Buttonwood Brook	Dartmouth	0.6	Moderate barrier
xy4161337271079970	Main Road	trib to Paskamanset River	Dartmouth	0.6	Minor barrier
xy4161347470965377	Colonial Way	trib to Kirby Brook	Westport	0.9	Minor barrier
xy4161522371101767	Jillian Way	Apponagansett Brook	Dartmouth	0.7	Insignificant barrier
xy4161549370966759	Miles Standish Dr	unknown	Westport	0.9	Minor barrier
xy4161713170953903	Sharp Street	Apponagansett Brook	Dartmouth	0.8	Moderate barrier
xy4161713170953903	Sharp Street	Buttonwood Brook	Dartmouth	0.7	Moderate barrier
xy4161733070949254	Sharp St	unknown	Dartmouth	0.6	Moderate barrier
xy4161774770980767	Tucker Rd	unknown	Dartmouth	0.5	barrier
xy4161822770981378	Country Club Blvd	unknown	Dartmouth	0.5	barrier
xy4161828770981705	Crescent Drive	No data	Dartmouth	-1	No data
xy4161831970982287	Country Club Blvd	No data	Dartmouth	-1	No data
xy4161831970982287	Country Club Blvd	No data	Dartmouth	-1	No data
xy4161887670985112	driveway off east River Drive	unknown	Dartmouth	0.6	Moderate barrier
xy4161887670985112	River Drive	unknown	Dartmouth	0.6	Significant barrier
xy4161892770985317	off East River Drive	unknown	Dartmouth	0.5	barrier
xy4161977570964739	Stratford Dr	unknown	Dartmouth	0.6	Moderate

xy4162116671015571	Little Lucy Rd	unknown	Dartmouth	0.5	barrier Significant barrier Moderate
xy4162242771078087	Old County Rd	Kirby Brook	Westport	0.5	barrier Minor
xy4162711070956663	Hawthorne Road	Buttonwood Brook	Dartmouth	0.7	barrier Severe
xy4162713870953658	Hawthorn and Brownell Street	Buttonwood Brook	New Bedford	0.1	barrier Severe
xy4162776370953261	Hawthorne and Brownell Streets	Buttonwood Brook	New Bedford	0.1	barrier Moderate
xy4163184071044372	Reed Rd	unknown	Dartmouth	0.6	barrier Significant
xy4163209770953633	Lt. Walter E. Fuller Memorial Pkwy	Buttonwood Brook	New Bedford	0.4	barrier Moderate
xy4163322171083351	Mouse Mill Road	Kirby Brook	Westport	0.6	barrier Moderate
xy4163352970964680	Lexington Ave Route 177 American Legion	trib to Buttonwood Brook	Dartmouth	0.6	barrier
xy4163448771059272	Highway	Unknown	Westport	0.4	Significant barrier Moderate
xy4163670270996351	Summit Ave	trib to Paskamanset River	Dartmouth	0.6	barrier Moderate
xy4163678770997341	Greystone Ave	trib to Paskamanset River	Dartmouth	0.5	barrier Moderate
xy4163685270995455	Gifford Ave	trib to Paskamanset River	Dartmouth	0.5	barrier Moderate
xy4163733770983048	Eddy St	River	Dartmouth	0.7	barrier
xy4163769870957300	Route 140 NB	No data	New Bedford	-1	No data Moderate
xy4163823571050292	Union Ave	unknown	Westport	0.7	barrier
xy4164184071051945	US-6 @ Forge Road	No data	Westport	-1	No data Minor
xy4164189871051766	US-6	No data	Westport	0.7	barrier Moderate
xy4164304171052374	Driveway Off Rt 6	unknown	Westport	0.6	barrier Moderate
xy4164617770988166	Faunce Corner Road	unknown	Dartmouth	0.7	barrier Significant
xy4164628570988778	Faunce Corner Mall Road	trib to Mill Pond?	Dartmouth	0.4	barrier Minor
xy4164680670828654	Oliver's Way	Swift Brook	Mattapoisett	0.9	barrier Minor
xy4164693071040037	Reed Road	unknown	Dartmouth	0.8	barrier Moderate
xy4164706070828350	Old Mattapoisett Neck Rd	Swift Brook	Mattapoisett	0.6	barrier

xy4164769670986642	Old Faunce Corner Rd	No data	Dartmouth	0.7	Minor barrier
xy4164865771063606	US-6	No data	Westport	-1	No data
xy4164880971063484	US-6	No data	Westport	0.7	Moderate barrier
xy4164888770836667	Phoenix Rail Trail	Swift Brook	Mattapoisett	0.7	Moderate barrier
xy4165023270840474	Brandt Island Rd	Swift Brook	Mattapoisett	0.7	Moderate barrier
xy4165185070987586	Faunce Corner Mall Road	unknown	Dartmouth	0.6	Moderate barrier
xy4165190970986334	Comfort Lane	unknown	Dartmouth	0.4	Significant barrier
xy4165272270953362	Route 140	Unknown stream	New Bedford	0.9	Minor barrier
xy4165272470953547	Route 140	Unknown	New Bedford	-1	No data
xy4165335471037660	Reed Rd	none	Dartmouth	0.8	Minor barrier
xy4165339871071663	Route 6	Bread and Cheese Brook	Westport	-1	No data
xy4165348571071558	Route 6	Bread and Cheese Brook	Westport	0.9	Minor barrier
xy4165423371103602	R Drive	unknown	Westport	0.7	Moderate barrier
xy4165438170789539	Pigwackett Lane	unknown	Mattapoisett	0.8	Minor barrier
xy4165471670990698	I-195 EB	No data	Dartmouth	-1	No data
xy4165472270983836	I-195 EB	No data	Dartmouth	-1	No data
xy4165491871103469	O Drive	unknown	Westport	0.6	Moderate barrier
xy4165502370990834	I-195 WB	No data	Dartmouth	-1	No data
xy4165503670983932	I-195 WB	No data	Dartmouth	-1	No data
xy4165559071103435	B Drive	unknown	Westport	0.5	Significant barrier
xy4165599671089050	Briggs St at Rt 88	unknown	Westport	0.5	Significant barrier
xy4165605871018677	I-195 EB	No data	Dartmouth	-1	No data
xy4165636971018705	I-195 WB	No data	Dartmouth	-1	No data
xy4165657470955746	Hathaway Rd	unknown	New Bedford	0.6	Moderate barrier
xy4165736171042429	I-195 EB	?	Dartmouth	0.9	Minor barrier
xy4165763271047362	I-195 EB	?	Dartmouth	0.8	Minor barrier
xy4165766971042435	I-195 EB	?	Dartmouth	0.7	Minor barrier
xy4165795071047591	I-195 WB	?	Dartmouth	0.9	Minor

xy4165800070896862	Marguerite Street	No data	Fairhaven	0.7	barrier Minor barrier Severe
xy4165854170896974	Nancy Street	No data	Fairhaven	0.1	barrier Insignifican
xy4165863970792808	Pine Island Rd	unknown	Mattapoissett	0.9	t barrier Severe
xy4165908170897109	Oliver Street	No data	Fairhaven	0.1	barrier Minor
xy4165980370810007	Captain's Lane	unknown	Mattapoissett	0.8	barrier Minor
xy4165999670836573	River Road	Mattapoissett River	Mattapoissett	0.8	barrier Moderate
xy4166072770810406	Church St	unknown	Mattapoissett	0.7	barrier Moderate
xy4166223871056206	Jenny-Lind Way	No ne	Dartmouth	0.6	barrier Moderate
xy4166274970823053	Acushnet Rd	unknown	Mattapoissett	0.7	barrier Minor
xy4166481470947336	Nash Rd	unknown	New Bedford	0.7	barrier Moderate
xy4166569370824081	Park St	unknown	Mattapoissett	0.6	barrier Significant
xy4166717471057988	Deerfield lane	Unknown Bread and Cheese	Dartmouth	0.4	barrier Minor
xy4166878771080108	I-195 EB	Brook	Westport	0.7	barrier Minor
xy4166887770841691	Acushnet rd	Mattapoissett River	Mattapoissett	0.8	barrier Moderate
xy4166899470955065	Shawmut Ave	unknown Bread and Cheese	New Bedford	0.6	barrier
xy4166905571079893	I-195 WB	Brook	Westport	-1	No data
xy4166930471098547	US-6 WB	No data	Westport	-1	No data
xy4166938471098441	US-6 EB	No data	Westport	-1	No data
xy4166997771025147	Hixville Rd	Shingle Island River	Dartmouth	0.8	Minor barrier Moderate
xy4167188370843092	Acushnet Road	unknown	Mattapoissett	0.6	barrier Minor
xy4167199670958425	Shawmut Av	unknown	New Bedford	0.7	barrier Minor
xy4167222671066303	Motta Drive	no stream	Dartmouth	0.7	barrier Moderate
xy4167235771035918	Reed Rd	not known	Dartmouth	0.6	barrier Minor
xy4167612871098364	I-195 WB	No data	Westport	0.7	barrier
xy4167641371098105	I-195 EB	No data	Westport	0.7	Minor

XY4167646871098055	I-195 EB	No data	Westport	-1	barrier
xy4167765271079997	Old Bedford Rd	Bread & Cheese Brook	Westport	0.8	No data
xy4167925770846721	Acushnet Road	trib to Mattapoisett River	Mattapoisett	0.8	Minor barrier
xy4168166170857147	Acushnet Rd	unknown	Mattapoisett	0.9	Minor barrier
xy4168311371027394	Old Fall River Rd	Copicut River	Dartmouth	0.9	Insignificant barrier
xy4168408570919041	Mill Road	Acushnet River	Acushnet	1	Insignificant barrier
xy4168502870893787	Hathaway Road	Unknown	Acushnet	0.6	Moderate barrier
xy4168512970978357	High Hill Rd	unknown	Dartmouth	0.9	Minor barrier
xy4168712670836634	Holly Hollow rd	trib to Mattapoisett River	Mattapoisett	0.3	Significant barrier
xy4168719271033986	North Hixville Rd	unknown	Dartmouth	0.6	Moderate barrier
xy4169172370839603	Crooks Way	unknown	Mattapoisett	0.3	Severe barrier
xy4169260570898493	Manchester lane	Unknown	Acushnet	0.5	Moderate barrier
xy4169541570922793	Middle Rd	No data	Acushnet	-1	barrier
xy4169565870922991	Coury Dr	No data	Acushnet	-1	No data
xy4169613070923098	East Bodano Dr	No data	Acushnet	-1	No data
xy4169620171019784	Collins Corner Rd	unknown	Dartmouth	0.6	Moderate barrier
xy4169623670914244	Hamlin Street	Acushnet River	Acushnet	0.7	Moderate barrier
xy4169629070929995	Chaffee St	unknown	New Bedford	0.7	Moderate barrier
xy4169630570901037	Main Street	Unknown	Acushnet	0.8	Minor barrier
xy4169686170930341	Terry Lane	unknown	New Bedford	0.8	Minor barrier
xy4169798770946541	Route 140 NB	?	New Bedford	0.8	Minor barrier
xy4169804670946775	Route 140 SB	No data	New Bedford	-1	barrier
xy4169861070947633	Old Colony Railroad Line	No data	New Bedford	-1	No data
xy4169901970846970	Wolfs Island Road	unknown	Mattapoisett	0.9	Minor barrier
xy4169943271048887	Yellow Hill Road (north of)	Miller Brook	Fall River	0.8	Minor barrier
xy4170277470847921	Wolf Island Road	Branch Brook	Rochester	0.7	Moderate barrier

xy4170579770843093	Wold Island Road	Mattapoissett River Tributary to	Rochester	0.7	barrier Minor
xy4170593070839770	Mattapoissett Road	Mattapoissett River	Rochester	0.6	barrier Moderate
xy4170776670878374	Perry Hill Road	Unknown	Acushnet	0.9	Insignifican t barrier
xy4170779270782750	unnamed service road	Benson Brook	Marion	0.4	Significant barrier
xy4170794971058016	Indian Town Rd	Millers Brook	Fall River	0.8	Minor barrier
xy4171219070911581	Middle Road	Deep Brook	Acushnet	0.7	Minor barrier
xy4171264870890781	Golf Course Drive	Unknown	Acushnet	0.7	Minor barrier
xy4171309370903591	Middle Road	Acushnet River	Acushnet	0.6	Moderate barrier
xy4171651570914493	Morse's Lane	Deep Brook	Acushnet	0.8	Minor barrier
xy4171807870952411	Duchaine Blvd	unknown	New Bedford	0.7	Minor barrier
xy4171810670956462	off Duchaine Blvd	unknown	New Bedford	1	Insignifican t barrier
xy4171889270963175	off John Vertente Blvd	unknown	New Bedford	0.6	Moderate barrier
xy4171917370963056	off John Vertente Blvd	unknown	New Bedford	0.7	Moderate barrier
xy4171967270858206	New Bedford Road	Mattapoissett River	Rochester	0.8	Minor barrier
xy4171984170957157	Samuel Barnet Blvd	unknown	New Bedford	0.9	Insignifican t barrier
xy4172273071042213	quanipaug rd	unknown	Fall River	0.9	Minor barrier
xy4172412570889649	Main Street	Unknown	Acushnet	0.7	Moderate barrier
xy4172447570897805	Leonard Street	Acushnet River	Acushnet	0.9	Minor barrier
xy4172466970815875	off Dexter Lane	trib to Doggett Brook	Rochester	0.5	Significant barrier
xy4172531370896088	Leonard St	unknown	Acushnet	0.6	Moderate barrier
xy4172531770815861	Dexter Lane	trib to Doggett Brook Tributary to	Rochester	0.5	Moderate barrier
xy4172539070815982	Dexter Lane	Doggett's Brook	Rochester	0.7	Moderate barrier
xy4172643071001317	Quanapoag rd	unknown	Freetown	0.6	Moderate barrier
xy4172903270822440	New Bedford Road	Unnamed	Rochester	0.8	Minor

xy4173002470893600	Main St	unknown	Acushnet	0.6	barrier
xy4173120570786356	Front Street (Rt 105)	Benson Brook	Marion	0.7	Moderate barrier
xy4173162370893111	Clems Way	unknown	Acushnet	0.5	Minor barrier
xy4173317870814343	Marion road	Doggett Brook	Rochester	0.9	Moderate barrier
xy4173352170936252	Peckham Rd	Deep Brook	Acushnet	0.8	Insignificant barrier
xy4173353970769466	I-195 SB	Sippican River	Marion	1	Minor barrier
xy4173356570768966	I-195 NB	Sippican River trib to Copicut Swamp	Marion	1	Full passage
xy4173574771048346	Copicut Rd	Swamp	Fall River	0.7	Full passage
xy4173592870815268	Mary's Pond Road	Doggett Brook	Rochester	0.7	Minor barrier
xy4174143570868022	Cushman Rd (Rt 105)	unknown	Rochester	0.5	Moderate barrier
xy4174218870826715	Mendall Rd	unknown	Rochester	0.4	Significant barrier
xy4174291570761427	I-195 NB	Cohackett Brook	Wareham	1	Significant barrier
xy4174315070761751	I-195 SB	Cohackett Brook	Wareham	1	Full barrier
xy4174407670822528	Clapp rd	Sherman Brook	Rochester	0.5	Full passage
xy4174641070863854	Hartley Rd	Mattapoissett River	Rochester	0.8	Moderate barrier
xy4174731670803737	Bates Rd	Sippican River	Rochester	0.8	Minor barrier
xy4174848970804402	Mary's Pond Rd	Sippican River	Rochester	0.9	Minor barrier
xy4175068070801762	Mary's Pond Rd	unknown trib to Upper NB Reservoir	Rochester	0.9	Insignificant barrier
xy4175069970924329	Keene Rd		Acushnet	0.8	t barrier
xy4175183570859980	Snipatuit Rd	Mattapoissett River	Rochester	0.7	Minor barrier
xy4175193370747845	I-195 NB	?	Wareham	-1	Minor barrier
xy4175195470886593	Quaker Lane	unknown	Acushnet	0.7	No data
xy4175200470747955	I-195 NB	?	Wareham	-1	Moderate barrier
xy4175205570877252	Quaker Lane	unknown	Rochester	0.5	No data
xy4175221170748788	I-195 NB	?	Wareham	-1	Significant barrier
					No data

xy4175233070749607	I-195 SB	?	Wareham	0.8	Minor barrier Moderate
xy4175612570795549	Mary's Pond Rd	Mary's Pond	Rochester	0.6	barrier
xy4175990570668950	Cranberry Highway (Chili's Parking Lot)	?	Wareham	-1	No data Minor
xy4175995570670160	Cranberry Highway	?	Wareham	0.8	barrier Moderate
xy4176015970668916	Cranberry Highway	?	Wareham	0.7	barrier Insignifican
xy4176141470677327	Cranberry Highway EB	Agawam River	Wareham	1	t barrier Significant
xy4176264370676153	Cranberry Highway	Agawam River	Wareham	0.4	barrier Insignifican
xy4176441670743777	I-195 NB	Weweantic River	Wareham	1	t barrier Insignifican
xy4176491970744535	I-195 SB	Weweantic River	Wareham	1	t barrier Minor
xy4176699670821450	Stuart Rd	unknown	Rochester	0.9	barrier Moderate
xy4176901070785476	Pierce St	unknown	Rochester	0.6	barrier Moderate
xy4177138270806174	High St	unknown	Rochester	0.6	barrier Moderate
xy4177445270786604	off Hillside Ave	unknown	Rochester	0.6	barrier Minor
xy4177849070784932	High St	unknown	Rochester	0.9	barrier Minor
xy4178400270822385	Ryder Rd	Trib. to W. Branch Sippican River	Rochester	0.8	barrier Minor
xy4178659570860312	Neck Rd	Snipatuit Pond	Rochester	0.9	barrier Moderate
xy4180310770620964	Barker Road	Red Brook	Wareham	0.7	barrier Minor
xy4180583070783390	Rt. 28	unknown	Rochester	0.7	barrier Moderate
xy4181092470785166	Interstate 495	Unknown stream	Middleboroug h	0.5	barrier Minor
xy4181137170785477	Interstate 495	Unknown stream	Middleboroug h	0.7	barrier
xy4181600370596476	Garrett Place	No data	Plymouth	-1	No data
xy4182125270594744	Long Duck Pond Road	No data	Plymouth	-1	No data Minor
xy4183128470817078	I-495 SB	?	Middleboroug h	0.7	barrier Moderate
xy4183174170817005	I-495 NB	?	Middleboroug h	0.5	barrier
xy4183209470818078	I-495 SB	?	Middleboroug	0.7	Moderate

			h		barrier
xy4183894370689776	Fearing Pond Road	No data	Plymouth	0.5	Significant barrier
xy4184074970830309	I-495 SB	?	Middleboroug	0.7	Minor barrier
xy4184120170830393	I-495 NB	?	Middleboroug	0.5	Moderate barrier
xy4184473970842800	I-495 SB	?	Middleboroug	0.8	Minor barrier
xy4184496270842788	I-495 NB	?	Middleboroug	0.8	Minor barrier
xy4184607570849175	I-495 SB	?	Middleboroug	0.7	Minor barrier
xy4184629570849050	I-495 NB	No data	h	-1	No data
xy4184845570857194	I-495 SB	No data	Middleboroug	-1	No data
xy4184867570857138	I-495 NB	?	h	0.7	Minor barrier
xy4185121970684646	Bare Hill Rd	No data	Plymouth	-1	No data
xy4185125770684388	Lower College Pond Rd	No data	Plymouth	-1	No data
xy4185253170680624	Lower Pond Road	None	Plymouth	-1	No data
xy4185261470683002	Lower College Pond Road	None	Plymouth	-1	No data
xy4185592570871439	I-495 SB	No data	Middleboroug	-1	No data
xy4185616770871399	I-495 NB	No data	h	-1	No data
xy4185642170675292	College Pond Road and Three Corners Pond Road	None	Plymouth	-1	No data
xy4185652870675284	Lower College Pond Road	None	Plymouth	-1	No data
xy4186417870673112	Lower College Pond Road	none	Plymouth	-1	No data
xy4186429670663617	West Cranford Rd	No data	Plymouth	-1	No data
xy4186528970671549	Lower College Pond Rd	No data	Plymouth	-1	No data

Figure AC-3. Plot of MassDEP stream crossing assessments completed in the Chicopee River Watershed with CAPS Crossings added as a reference.

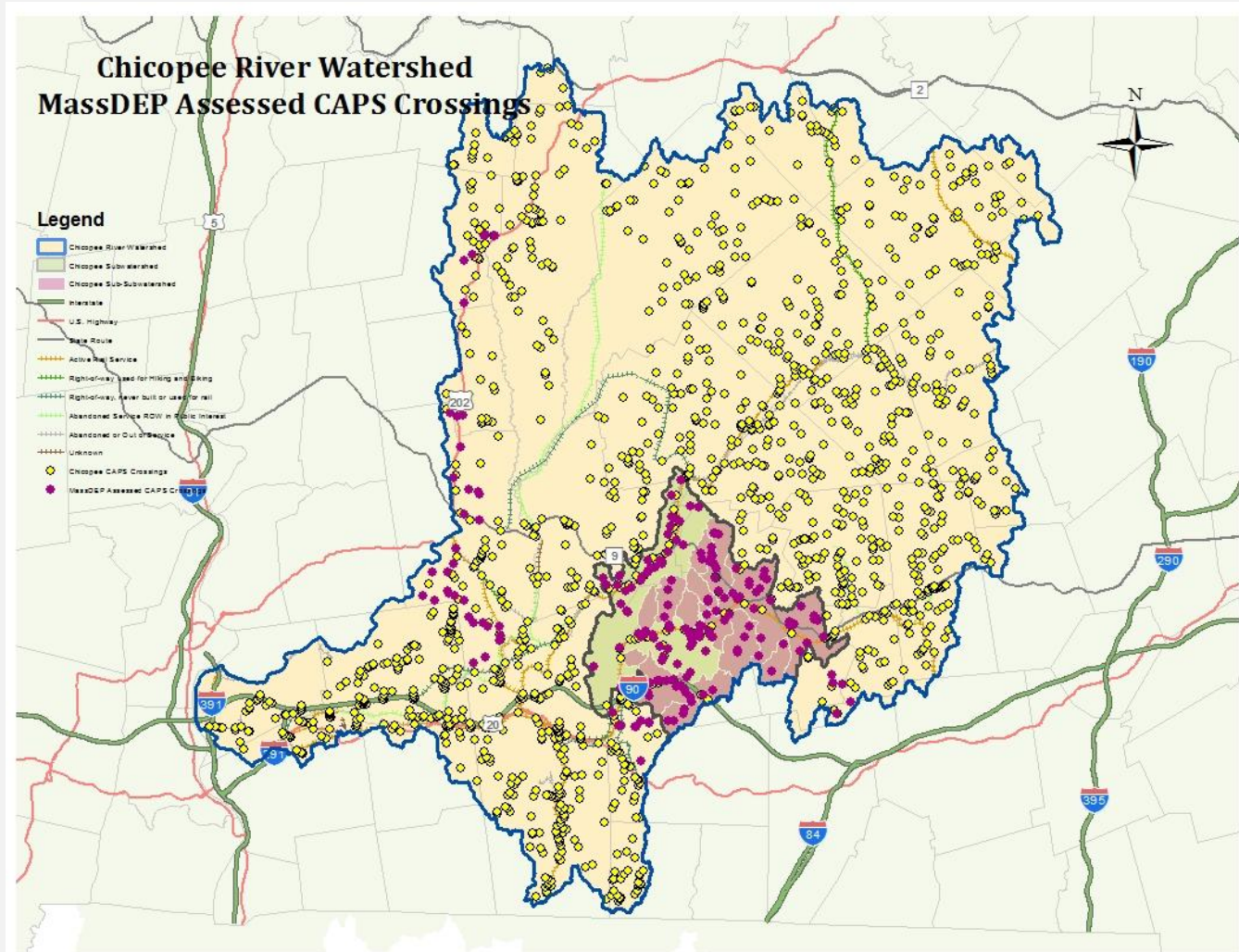


Table AC-3: Chicopee River Stream Crossings Assessed by MassDEP 2012/13.

Stream Crossing ID	Road	Stream Name	Town	Aquatic Score	Evaluation
xy4212958472147944	Little Alum Pond Road	UNT outlet from Little Alum	Brimfield	0.7	Moderate barrier
xy4212928572147156	Champeaux Road	UNT outlet from Little Alum	Brimfield	0.7	Minor barrier
xy4221761173410331	Seekonk Cross Road	UNT To Green River	Great Barrington	0.6	Moderate barrier
xy4219254273391353	Hurlburt Road	Green River	Great Barrington	1	Insignificant barrier
xy4231005272211908	Bridge Street	Ware River	Hardwick	1	Full passage
xy4246456172381460	Cooleyville Road	UNT to West Branch Swift River	New Salem	0.9	Minor barrier
xy4246379972373924	Ext. Cooleyville Road	UNT to West Branch Swift River	New Salem	0.7	Minor barrier

xy4219087672285062	Old Warren Road	Kings Brook	Palmer	0.3	Severe barrier
xy4220284372263613	Old Warren Road	UNT To Quaboag	Palmer	0.5	Significant barrier
xy4216168372268563	Boston Road	Kings Brook	Palmer	1	Insignificant barrier
xy4222631172257043	Bacon Road	UNT To Ware River	Palmer	0.4	Significant barrier
xy4222591472256436	West Ware Road	UNT To Ware River	Palmer	0.8	Minor barrier
xy4234912472404145	Daniel Shays Highway	Jabish Brook	Pelham	0.4	Significant barrier
xy4235005672399141	Packardville Road	UNT to Jabish Brook	Pelham	0.4	Significant barrier
xy4215697372216418	DUNHAMTOWN-BRIMFIELD ROAD	Taylor Brook	Brimfield	0.6	Moderate barrier
xy4216165672208684	Warren Road	Taylor Brook	Brimfield	0.6	Moderate barrier
xy4215339172261704	Dunhampton Palmer Road	Bottle Brook	Brimfield	1	Insignificant barrier
xy4217223972237477	Lyman Barnes Road	UNT To Blodgett Mill Brook	Brimfield	0.7	Moderate barrier
xy4215698672244968	John Haley Road	Penny Brook	Brimfield	0.5	Significant barrier
xy4218931572132512	Town Farm Road	Salmon Brooks	Brookfield	0.4	Significant barrier
xy4218680972081522	Lake Road	UNT to Quabog Pond	Brookfield	0.8	Minor barrier
xy4218139672080478	Lake Road	UNT to Quaboag Pond	Brookfield	0.5	Moderate barrier
xy4220625272123271	Long Hill Road	Salmon Brook	Brookfield	0.5	Moderate barrier
xy4221854772118550	West Main Street	UNT To Willow Brook	Brookfield	0.7	Moderate barrier
xy4222046972117717	West Broofield Road	UNT To Willow Brook	Brookfield	0.7	Moderate barrier
xy4221829072118398	Old West Main Street	UNT to Willow Brook	Brookfield	0.8	Minor barrier
xy4221848372114623	Old West Main	Willow Brook	Brookfield	0.9	Insignificant barrier
xy4221866872114465	West Main Street	Willow Brook	Brookfield	0.9	Moderate barrier
xy4221109472088491	South Maple Street	UNT to Quaboag River	Brookfield	0.7	Significant barrier
xy4223061772108003	Devils Elbow Road	Willow Brook	Brookfield	0.4	Significant barrier
xy4220202772109200	Long Hill Road	UNT to Quaboag	Brookfield	0.5	Significant barrier
xy4222428172097478	Limerick Ave	UNT to Willow Brook	Brookfield	0.5	Significant barrier
xy4222434072097454	North Brookfield	UNT to Willow	Brookfield	0.8	Minor barrier

	Road	Brook			
xy4220732972102426	Fiskdale Road	Quaboag	Brookfield	1	Insignificant barrier
xy4222225572096808	North Brookfield Road	UNT to Willow Brook	Brookfield	0.3	Significant barrier
xy4222185472096795	North Brookfield Road	UNT to Willow Brook	Brookfield	0.5	Moderate barrier
xy4222293372094542	Letendre Road	UNT To Willow Brook	Brookfield	0.6	Moderate barrier
xy4222166572094305	East Main Street	Brook	Brookfield East	0.7	Minor barrier
xy4218079272072204	South Pond Road	UNT	Brookfield Belchertown	0.8	Minor barrier
xy4223479772431802	Green Avenue	Axe Factory Brook	n Belchertown	0.5	Moderate barrier
xy4224960172424184	Rockrimmon Road	Roaring Brook	n Belchertown	0.6	Moderate barrier
xy4223161572421783	Ludlow Street	Axe Factory Brook	n Belchertown	0.4	Significant barrier
xy4225018672411211	Springfield Road	UNT to Broad Brook	n Belchertown	0.6	Moderate barrier
xy4223783772410807	Ludlow Street	Roaring Brook	n Belchertown	0.7	Minor barrier
xy4223659572410109	Granby Road	Roaring Brook	n Belchertown	0.6	Moderate barrier
xy4223542272404856	Chauncy Walker Street	Roaring Brook	n Belchertown	0.8	Minor barrier
xy4223242772397109	Bardwell Street	Broad Brook	n Belchertown	0.9	Insignificant barrier
xy4222195672392799	South Washington Street	UNT to Broad Brook	n Belchertown	0.4	Significant barrier
xy4221804372388343	Barrett Street	UNT to Broad Brook	n Belchertown	0.5	Moderate barrier
xy4221777472380645	Barrett Street	UNT to Jabish	n Belchertown	0.6	Moderate barrier
xy4219228872387674	South Street	UNT to Chicopee River	n Belchertown	0.3	Significant barrier
xy4221617672376656	North Liberty Street	UNT to Jabish	n Belchertown	0.3	Significant barrier
xy4219628172377697	South Street	UNT to Ware River	n Belchertown	0.4	Significant barrier
xy4221621072366150	Bardwell Street	Jabish Brook	n Belchertown	1	Insignificant barrier
xy4220720172366581	South Street	UNT to Jabish	n Belchertown	0.4	Significant barrier
xy4221002272365100	South Street	Jabish Brook	n Belchertown	1	Insignificant barrier
xy4230296172393772	Allen Street	UNT to Jabish Brook	Belchertown	0.3	Significant barrier

			n		barrier
			Belchertown		Moderate
xy4228692272397229	Sargent Street	UNT to Jabish Brook	n	0.6	barrier
			Belchertown		Significant
xy4226522672404693	Springfield Road	UNT to Broad Brook	n	0.3	barrier
			Belchertown		
xy4225525372405905	Springfield Road	Broad Brook	n	0.7	Minor barrier
			Belchertown		Moderate
xy4230135572385297	Allen Street	UNT to Jabish Brook	n	0.6	barrier
			Belchertown		Moderate
xy4229992172384497	Old Enfield Road	UNT to Jabish	n	0.6	barrier
			Belchertown		
xy4228343172383885	Ware Road	UNT to Jabish Brook	n	0.8	Minor barrier
					Moderate
xy4235151372410082	Gold Street	Jabish Brook	Pelham	0.7	barrier
			Belchertown		
xy4232983472400709	Kimball Street	Jabish Brook	n	0.7	Minor barrier
			Belchertown		Moderate
xy4231024672406714	Old Pelham Road	UNT to Jabish Brook	n	0.6	barrier
	Daniel Shays		Belchertown		Moderate
xy4231012872406498	Highway	UNT to Jabish Brook	n	0.7	barrier
	Dunhampton				Moderate
xy4215324772249700	Palmer Road	Bottle Brook	Brimfield	0.6	barrier
	Dunhampton				Moderate
xy4215333072248494	Palmer Road	Bottle Brook	Brimfield	0.5	barrier
	Dunhampton				Moderate
xy4215583372237895	Palmer Road	Penny Brook	Brimfield	0.6	barrier
	Dunhampton				
xy4215510972237317	Palmer Road	Penny Brook	Brimfield	0.7	Minor barrier
		UNT To Foscitt Mill			Moderate
xy4213141772244533	Saint Claire Road	Brook	Brimfield	0.6	barrier
	West Brimfield				Insignificant
xy4215397572263151	Palmer Road	Bottle Brook	Brimfield	1	barrier
		UNT To Taylor			Moderate
xy4215712572220935	Mulcare Road	Brook	Brimfield	0.6	barrier
	Rogers Bridge				
xy4217738972261411	Road	UNT To Quaboag	Brimfield	0.8	Minor barrier
	Lyman Barnes				Insignificant
xy4217451872239150	Road	Blodgett Mill Brook	Brimfield	1	barrier
xy4244829572399634	Town Farm Road	Cobb Brook	Shutesbury	0.9	Minor barrier
		UNT to Quabbin			
xy4245180172393101	Prescott Road	Reservoir	Shutesbury	0.8	Minor barrier
	Daniel Shays				Moderate
xy4242084572399391	Highway	Briggs Brook	Shutesbury	0.5	barrier
		West Branch Swift			
xy4246411172382544	Cooleyville Road	River	New Salem	0.8	Minor barrier
		UNT to			Moderate
xy4216197772076820	South Shore Drive	Quasimquasit Pond	Sturbridge	0.6	barrier

xy4216953772064860	New Boston Road	UNT to Quacumquasit Pond	Sturbridge	0.6	Moderate barrier
xy4224691072278204	Dugan Road	UNT To Ware River	Ware	0.4	Significant barrier
xy4224246472274764	Palmer Road	UNT to Ware River	Ware	0.6	Moderate barrier
xy4224898972264070	Palmer	Flat Brook	Ware	1	Insignificant barrier
xy4224260972265261	Malboeuf Road	Flat Brook	Ware	1	Insignificant barrier
xy4223095572262404	Belair Drive	UNT to Ware River	Ware	0.7	Minor barrier
xy4223937772258801	Shady Path Road	UNT To Ware River	Ware	0.9	Insignificant barrier
xy4224108472253110	West Warren Road	UNT To Ware River	Ware	0.7	Moderate barrier
xy4224626472245190	West Warren Road	UNT To Ware River	Ware	0.8	Minor barrier
xy4224800272244559	South Street	UNT To Ware River	Ware	1	Insignificant barrier
xy4225877472240081	South Street	Ware River	Ware	1	Insignificant barrier
xy4225163072239916	Dunham Road	UNT To Ware River	Ware	1	Insignificant barrier
xy4225188372239664	Dunham Road	UNT To Ware River	Ware	1	Insignificant barrier
xy4225340472237203	Greenway Ave, AKA Mirabile	UNT To Ware River	Ware	0.6	Moderate barrier
xy4229983272219574	Old Gilbertville Road	UNT To Ware River	Ware	0.7	Minor barrier
xy4225460772233412	Mechanic Street	UNT To Ware River	Ware	0.8	Minor barrier
xy4228651972219798	Old Stage Coach Road	UNT To Ware River	Ware	0.8	Minor barrier
xy4225913672229158	Ross Avenue	UNT To Ware River	Ware	0.8	Minor barrier
xy4228079872221208	Church Street	UNT To Ware River	Ware	0.7	Minor barrier
xy4227560172222509	Church	UNT To Ware River	Ware	0.9	Minor barrier
xy4225785172227670	Morse Ave	UNT To Ware River	Ware	0.8	Minor barrier
xy4225697872227289	Quarry Road	UNT To Ware River	Ware	0.4	Significant barrier
xy4228487172215875	Church Street	Ware River	Ware	1	Insignificant barrier
xy4226392572222946	East Street	UNT To Ware River	Ware	0.7	Minor barrier
xy4228346272212599	Gilbertville Road	UNT To Ware River	Ware	0.8	Minor barrier
xy4227160572215316	Gilbertville Road	UNT To Warre River	Ware	0.7	Minor barrier
xy4224004472222253	Town Farm Road	O'Neil Brook	Warren	0.5	Moderate barrier
xy4218111572236712	New Reed Street	Tufts Brook	Warren	0.3	Severe barrier
xy4224616272219405	Town Farm Road	UNT To O'Neil	Warren	0.8	Minor barrier

		Brook				Moderate
xy4222282972225182	Oneil Road	O'Neil Brook	Warren	0.6		barrier
xy4223020472222005	Town Farm Road	O'Neil Brook	Warren	0.8		Minor barrier
xy4220448372228988	Crouch Road	UNT To Quaboag	Warren	0.8		Minor barrier
xy4221127872234622	South Street	Quaboag	Warren	1		Full passage
						Insignificant
xy4220938672234111	Canada Lane	UNT to Quaboag	Warren	0.9		barrier
						Insignificant
xy4220938372234049	Pulaski Street	UNT to Quaboag	Warren	0.9		barrier
						Significant
xy4217385172191434	Bemis Road	Tufts Brook	Warren	0.5		barrier
xy4221364672241354	Spring Street	School Street Brook	Warren	0.8		Minor barrier
						Moderate
xy4221186872241755	Main Street	School Street Brook	Warren	0.6		barrier
xy4218272872222597	Brook Road	Tufts Brook	Warren	0.9		Minor barrier
						Insignificant
xy4218307872217023	Brook Road	Tufts Brook	Warren	1		barrier
xy4219333272213225	Reed Street	UNT To Quaboag	Warren	0.3		Severe barrier
						Insignificant
xy4221260472203458	Bridge Street	Quaboag River	Warren	1		barrier
						Moderate
xy4217856472214975	Dunham Drive	UNT To Tufts	Warren	0.5		barrier
						Significant
xy4221239072202114	High Street	UNT To Quaboag	Warren	0.4		barrier
						Moderate
xy4220251172162752	East Road	UNT To Naultaug	Warren	0.6		barrier
xy4220109072162695	East Street	Naultaug Brook	Warren	0.7		Minor barrier
xy4217834372208198	Brimfield Road	Tufts Brook	Warren	0.9		Minor barrier
xy4218474372205926	trailer Park	UNT	Warren	0.9		Minor barrier
						Insignificant
xy4221343472195338	Main Street	Quaboag	Warren	1		barrier
xy4218754772202829	Brimfield Road	UNT To Quaboag	Warren	0.8		Minor barrier
						Significant
xy4221056872194233	Cemetery Road	UNT	Warren	0.5		barrier
						Moderate
xy4217493172206066	Little Rest Road	UNT To Tufts Brook	Warren	0.6		barrier
xy4217662472182810	Keyes Road	UNT to Tufts Brook	Warren	0.2		Severe barrier
						Moderate
xy4221017072202032	Bridge Street	UNT To Quaboag	Warren	0.6		barrier
						Moderate
xy4220977272202022	Bridge Street	UNT To Quaboag	Warren	0.6		barrier
xy4220859172201814	Bridge Street	UNT To Quaboag	Warren	0.8		Minor barrier
	Couture Drive					
xy4220398072202249	(driveway)	UNT To Quaboag	Warren	0.9		Minor barrier
xy4220624772201011	Reed Street	UNT To Quaboag	Warren	0.7		Minor barrier
						Moderate
xy4217978672209987	Dunahm Road	Tufts Brook	Warren	0.5		barrier

xy4221739272220933	Old West Warren Road	O'Neil Brook	Warren	1	Insignificant barrier
xy4221555572220952	Main Street	Quaboag	Warren	1	Full passage
xy4221615772220383	Main Street	O'Neil Brook	Warren	1	Insignificant barrier
xy4219542172226573	South Street	UNT To Quaboag	Warren	0.6	Moderate barrier
xy4219775572225635	South Street	UNT To Quaboag	Warren	0.6	Moderate barrier
xy4218230572230497	New Reed St.	UNT To Tufts Brook	Warren	0.7	Moderate barrier
xy4218236972228859	New Reed Street	Tufts Brook	Warren	0.3	Significant barrier
xy4220262472221629	Crouch Road	UNT To Quaboag	Warren	0.7	Minor barrier
xy4216474772207507	Brimfield Road	UNT To Taylor Brook	Warren	0.5	Moderate barrier
xy4217195672202512	Little Rest Road	Taylor Brook	Warren	0.7	Moderate barrier
xy4216940772201006	Walkeen Koziol Road	Taylor Brook	Warren	0.7	Minor barrier
xy4220109472189486	Bemis Road	UNT	Warren	0.4	Significant barrier
xy4221069772184144	Washington Street	UNT	Warren	0.5	Significant barrier
xy4221045272183965	East Street	UNT	Warren	0.5	Moderate barrier
xy4221195372247416	Ware Road	UNT To Quaboag	Warren	0.5	Significant barrier
xy4221017772245377	Gilbert Road	Quaboag River	Warren	1	Insignificant barrier
xy4221739372192852	Old West Brookfield Road	Quaboag	Warren	1	Insignificant barrier
xy4222128872173731	Boston Post Road	UNT To Quanboag	Warren	0.6	Moderate barrier
xy4222509872169636	Boston Post Road	Naultaug Brook	Warren	1	Insignificant barrier
xy4222497072169196	Old State Highway	Naultaug Brook	Warren	0.9	Insignificant barrier
xy4221575472206543	Main Street	Cheney Brook	Warren	0.9	Insignificant barrier
xy4221749072194834	Quaboag Street	UNT To Quaboag	Warren	0.5	Moderate barrier
xy4223288372188322	Cutler Road	UNT To Sullivan Brook	Warren	0.6	Moderate barrier
xy4223417672187593	Cutler Brook Road	Sullivan Brook	Warren	0.7	Moderate barrier
xy4222471572188385	Old West Brookfield Road	UNT To Quaboag	Warren	0.4	Significant barrier

xy4223931372178924	Old Douglas Road	UNT To Lamberton Brook	Warren	0.7	Moderate barrier
xy4221344672186819	Burbank Ave	UNT	Warren	0.9	Minor barrier
xy4221398172186597	Main Street	UNT To Quaboag	Warren	0.7	Moderate barrier
xy4222707272181010	Old West Brookfield Road	Sullivan Brook	Warren	0.6	Moderate barrier
xy4223538472173657	Old West Brookfield Road	Lamberton Brook	Warren West	0.5	Moderate barrier
xy4225401672163953	Snow Road	UNT	Brookfield West	0.4	Significant barrier
xy4225412972180562	West Main Street	Lamberton Brook	Brookfield West	0.7	Minor barrier
xy4227645572183179	Ragged Hill Road	Lamberton Brooks	Brookfield West	0.6	Moderate barrier
xy4226716672185633	Whispering Pine Drive	UNT	Brookfield West	0.6	Moderate barrier
xy4227631072182040	Ragged Hill Road	UNT to Lamberton Brook	Brookfield West	0.5	Significant barrier
xy4225829272187264	Ware Road	UNT	Brookfield West	0.3	Significant barrier
xy4226376272185011	Juniper Street	UNT	Brookfield West	0.5	Significant barrier
xy4226119972185239	Pierce Road	UNT To Brookhaven Lake	Brookfield West	0.5	Moderate barrier
xy4226200672184560	Lake View Drive	UNT	Brookfield West	0.7	Minor barrier
xy4227534372179366	Ragged Hill Road	UNT to Lamberton Brook	Brookfield West	0.4	Significant barrier
xy4225752772185264	Pierce Road	Pierce Brook	Brookfield West	0.7	Minor barrier
xy4225679372182799	Mill Road	Pierce Brook	Brookfield West	0.4	Significant barrier
xy4223424072162359	Boston Post Road	Quaboag River	Brookfield West	1	Insignificant barrier
xy4223570472161048	West Main Street	UNT To Quaboag	Brookfield West	1	Insignificant barrier
xy4223837672166598	Old Warren Road	UNT To Quaboag	Brookfield West	0.6	Moderate barrier
xy4224825972182042	Douglas Road	UNT To Lamberton Brook	Brookfield West	0.7	Minor barrier
xy4219889172144012	Long Hill Road	Burr Brook	Brookfield West	0.4	Significant barrier
xy4221015772142558	Long Hill Road	UNT	Brookfield West	0.7	Moderate barrier
xy4223365872134127	Brookfield Road	Coys Brook	Brookfield West	0.9	Insignificant barrier
xy4224568772152295	Rodman Road	UNT	West	1	Insignificant barrier

			Brookfield West		barrier
xy4224372272152368	Burrington Road	Bradish Brook	Brookfield West	0.8	Minor barrier
xy4223893672146400	Lakeview Avenue	UNT	Brookfield West	0.4	Significant barrier
xy4221043172155903	Sarty Road	UNT To Naultaug Brook	Warren West	0.8	Minor barrier
xy4221765172152634	Davis Road	UNT To Quaboag	Brookfield West	0.7	Moderate barrier
xy4222832872148811	Long Hill Road	Quaboag	Brookfield West	1	Insignificant barrier
xy4224144172143967	Wickapaog Valley Road	Bradish Brook	Brookfield West	0.6	Moderate barrier
xy4225283072139899	Off New Braintree Road	UNT	Brookfield West	0.7	Minor barrier
xy4224915072140406	New Braintree Road	UNT	Brookfield West	0.5	Moderate barrier
xy4224730072137656	New Braintree Road	Bradish Brook	Brookfield West	0.4	Significant barrier
xy4229264272196149	Kennedy Road	UNT To Ware River	Brookfield West	0.5	Significant barrier
xy4226363772194342	Welcome Road	Pierce Brook	Brookfield West	0.8	Minor barrier
xy4226015072193008	Shoreline Drive	Pierce Brook	Brookfield West	0.5	Moderate barrier
xy4226839472209361	Ware Road	UNT	Brookfield West	0.4	Significant barrier
xy4229367172203542	Millers Road	UNT To Ware River	Brookfield	0.5	Moderate barrier
xy4235105272527384	Brittany Manor	UNT to Fort River	Amherst	0.9	Minor barrier
xy4235060872525781	Riverglade Drive	UNT to Fort River	Amherst	0.7	Minor barrier
xy4234349772520334	West Street	Plum Brook	Amherst North	1	Insignificant barrier
xy4269650873171360	North Adams Airport	Paull Brook	Adams	0.7	Minor barrier
xy4258152272642386	Shelburne Road	Smead Brook	Shelburne	0.7	Minor barrier
xy4257823472601845	Meridian Street	UNT To Green River	Greenfield	0.3	Significant barrier
xy4258111172654134	Taylor Road	UNT To Shingle Brook	Shelburne	0.6	Moderate barrier

APPENDIX D

Quality Control Sites

Table AD-1: MassDEP Audited Sites - 2012/2013

xycode_st	Road	Stream	Town
CHICOPEE QA			
xy4218931572132512	TOWN FARM ROAD	SALMON BROOK	BROOKFIELD
xy4221854772118550	WEST MAIN STREET		BROOKFIELD
xy4222225572096808	NORTH BROOKFIELD ROAD		BROOKFIELD
xy4222293372094542	LETENDRE ROAD		BROOKFIELD
xy4222166572094305	EAST MAIN STREET		BROOKFIELD
xy4222185472096795	NORTH BROOKFIELD ROAD		BROOKFIELD
xy4222428172097478	LIMERICK STREET		BROOKFIELD
xy4225412972180562	WARE ROAD	LAMBERTON BROOK	WEST BROOKFIELD
xy4224825972182042	DOUGLAS ROAD		WEST BROOKFIELD
xy4222832872148811	LONG HILL ROAD	QUABOAG RIVER	WEST BROOKFIELD
xy4227645572183179	RAGGED HILL ROAD		WEST BROOKFIELD
xy4216474772207507	BRIMFIELD ROAD		WARREN
xy4217493172206066	LITTLE REST ROAD		WARREN
xy4218111572236712	NEW REED STREET	TUFTS BROOK	WARREN
xy4218230572230497	NEW REED STREET		WARREN
xy4218236972228859	NEW REED STREET	TUFTS BROOK	WARREN
IPSWICH QA			
xy4261870971072826	HAROLD PARKER ROAD	STEARNS POND	NORTH ANDOVER
xy4262900471052030	SHARPNERS POND ROAD	Inter. Stream	NORTH ANDOVER
xy4263329171042649	SHARPNERS POND ROAD	BOSTON BROOK	NORTH ANDOVER
xy4263494571074595	TURNPIKE STREET	Inter. Stream	NORTH ANDOVER
xy4264158171054217	SALEM STREET	BOSTON BROOK	NORTH ANDOVER
xy4264798771088006	BROOK STREET	BOSTON BROOK	NORTH ANDOVER
		UNNAMED	
xy4264989171093021	JOHNSON STREET	PERENNIAL	NORTH ANDOVER
xy4265038471095976	TURNPIKE STREET	BOSTON BROOK	NORTH ANDOVER
xy4265204871068592	HAWKINS LANE	BOSTON BROOK	NORTH ANDOVER
xy4265721471081962	CARLTON LANE	Inter. Stream	NORTH ANDOVER
xy4266083471111593	WILLOW STREET	MOSQUITO BROOK	NORTH ANDOVER
xy4266389371106962	CHESTNUT STREET	MOSQUITO BROOK	NORTH ANDOVER
xy4266567771099025	HOLLYRIDGE ROAD	MOSQUITO BROOK	NORTH ANDOVER
xy4266616871098001	JOHNSON STREET	MOSQUITO BROOK	NORTH ANDOVER
xy4266649171088906	SOUTH CROSS ROAD	MOSQUITO BROOK	NORTH ANDOVER
xy4266526471108728	Woodlea Rd	MOSQUITO BROOK	NORTH ANDOVER
xy4266951271095494	ABBOTT STREET	Inter. Stream	NORTH ANDOVER
xy4260026971121358	MAIN STREET	SKUG RIVER	NORTH READING
xy4263659471080570	Colonial Ave	Inter. Stream	NORTH ANDOVER
xy4267076371084204	Keyes Way	Inter. Stream	NORTH ANDOVER

BUZZARDS BAY QA

xy4157335471096526	ADAMSVILLE ROAD	WESTPORT
xy4158464071120027	SODOM ROAD	WESTPORT
xy4158530671088360	MAIN ROAD	WESTPORT
xy4159585071115208	SODOM ROAD	WESTPORT
xy4160915371082680	Hobbit Hill Road	WESTPORT
xy4168800170868607	MATTAPOISETT ROAD	ACUSHNET
xy4169946970998651	FLAG SWAMP ROAD	DARTMOUTH
xy4171001670997010	PINE ISLAND ROAD	DARTMOUTH
xy4172047371007818	FLAG SWAMP ROAD	FREETOWN
xy4172283970995216	BULLOCK ROAD	FREETOWN
xy4172643071001317	QUANAPOAG ROAD	FREETOWN
xy4173181270792366	MARION ROAD (Rt 105)	ROCHESTER
xy4173750070893113	ROBINSON ROAD (RT 105)	ACUSHNET
xy4173817670881720	ROBINSON ROAD (RT 105)	ACUSHNET
xy4174197470869407	Robinson Rd (Rt 105)	ROCHESTER
xy4174390870893800	LANTERN LANE	ACUSHNET
xy4176066870935726	DR BRALEY ROAD	FREETOWN
xy4176848570907150	Rt 105 (Bedford St or Main Road)	ROCHESTER
xy4177208670924393	DR BRALEY ROAD	FREETOWN
xy4179780170838975	WALNUT PLAIN ROAD	ROCHESTER
xy4181538970830826	SPRUCE STREET	MIDDLEBOROUGH
xy4155051271105152	CORNELL ROAD	WESTPORT
xy4163628171049296	AMERICAN LEGION HIGHWAY	WESTPORT
xy4164189871051766	GRAND ARMY OF THE REPUBLIC HIGHWAY	WESTPORT
xy4164184071051945	GRAND ARMY OF THE REPUBLIC HIGHWAY	WESTPORT
xy4177665170825233	WALNUT PLAIN ROAD	ROCHESTER
xy4178449370819509	RYDER ROAD	ROCHESTER
xy4178659570860312	NECK ROAD	ROCHESTER
xy4170944271004471	FLAG SWAMP ROAD	DARTMOUTH
xy4165058371101704	BRIGGS ROAD	WESTPORT
xy4174080070874220	Robinson Rd (Rt 105)	ROCHESTER
xy4177902670923717	MORTON ROAD	FREETOWN
xy4164304171052374	GRAND ARMY OF THE REPUBLIC HIGHWAY	WESTPORT
xy4178400270822385	RYDER ROAD	ROCHESTER
xy4171098671003257	PINE ISLAND ROAD	DARTMOUTH
xy4170709571011703	COLLINS CORNER ROAD	DARTMOUTH
xy4163413871062591	AMERICAN LEGION HIGHWAY	WESTPORT

Doggett Brook

Angeline Brook

Appendix E: Correlation plots

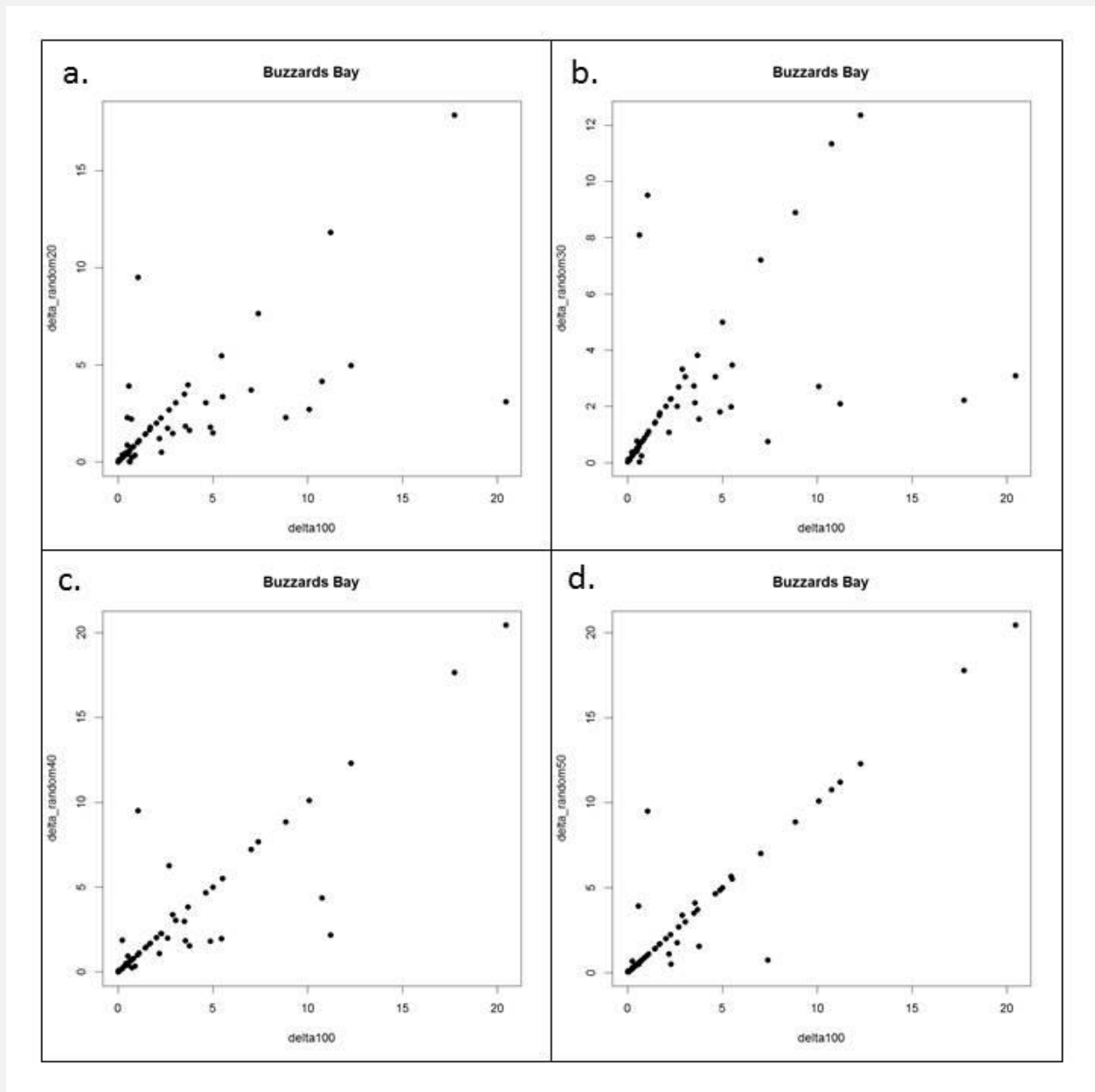


Figure AE-1. Correlation plots for crossings randomly selected for field assessment compared to (near) comprehensive crossing assessment in a portion of the Buzzards Bay watershed: a. 20%, b. 30%, c. 40% and d. 50%.

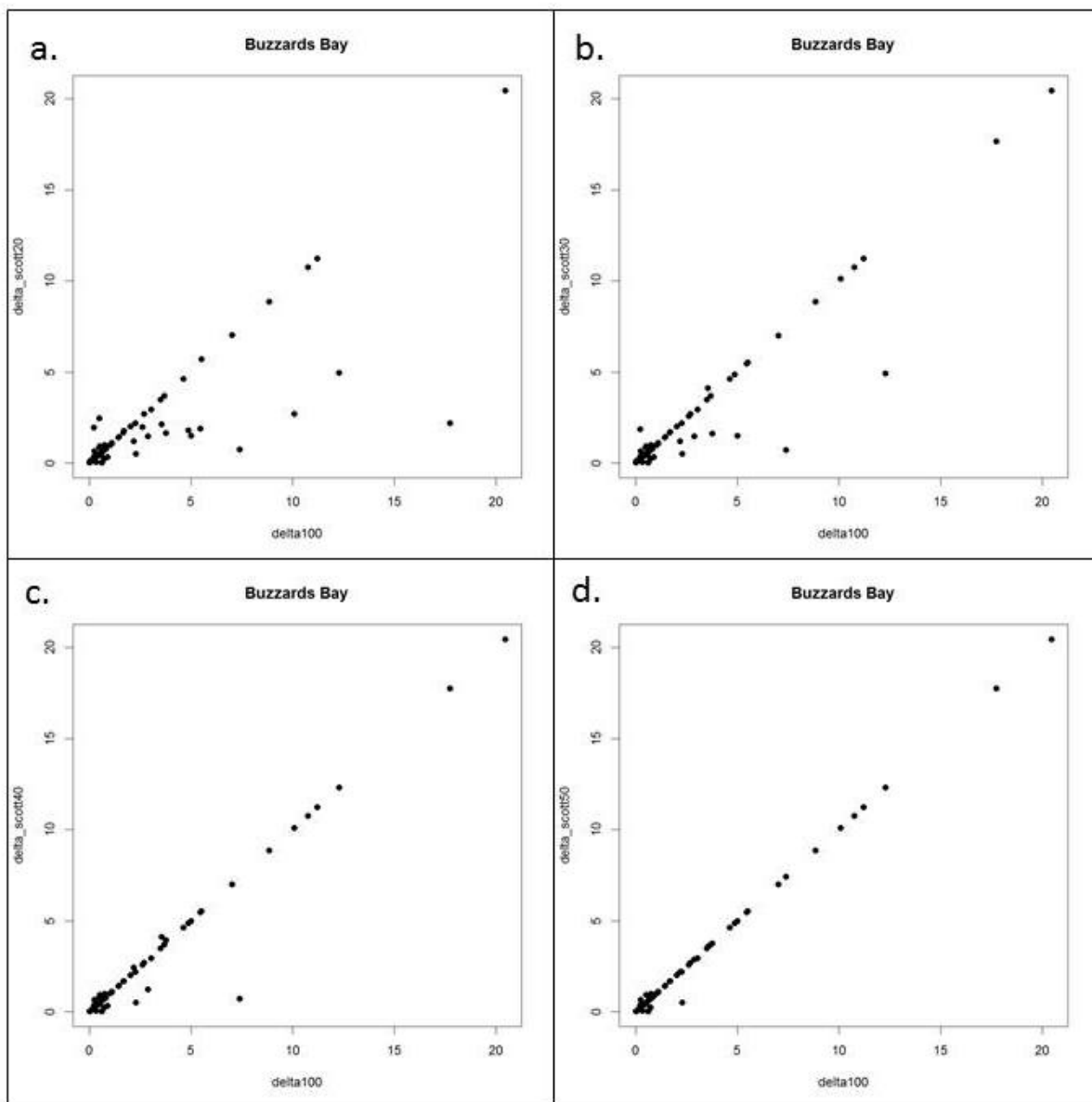


Figure AE-2. Correlation plots for crossings strategically selected for field assessment compared to (near) comprehensive crossing assessment in a portion of the Buzzards Bay watershed: a. 20%, b. 30%, c. 40% and d. 50%.

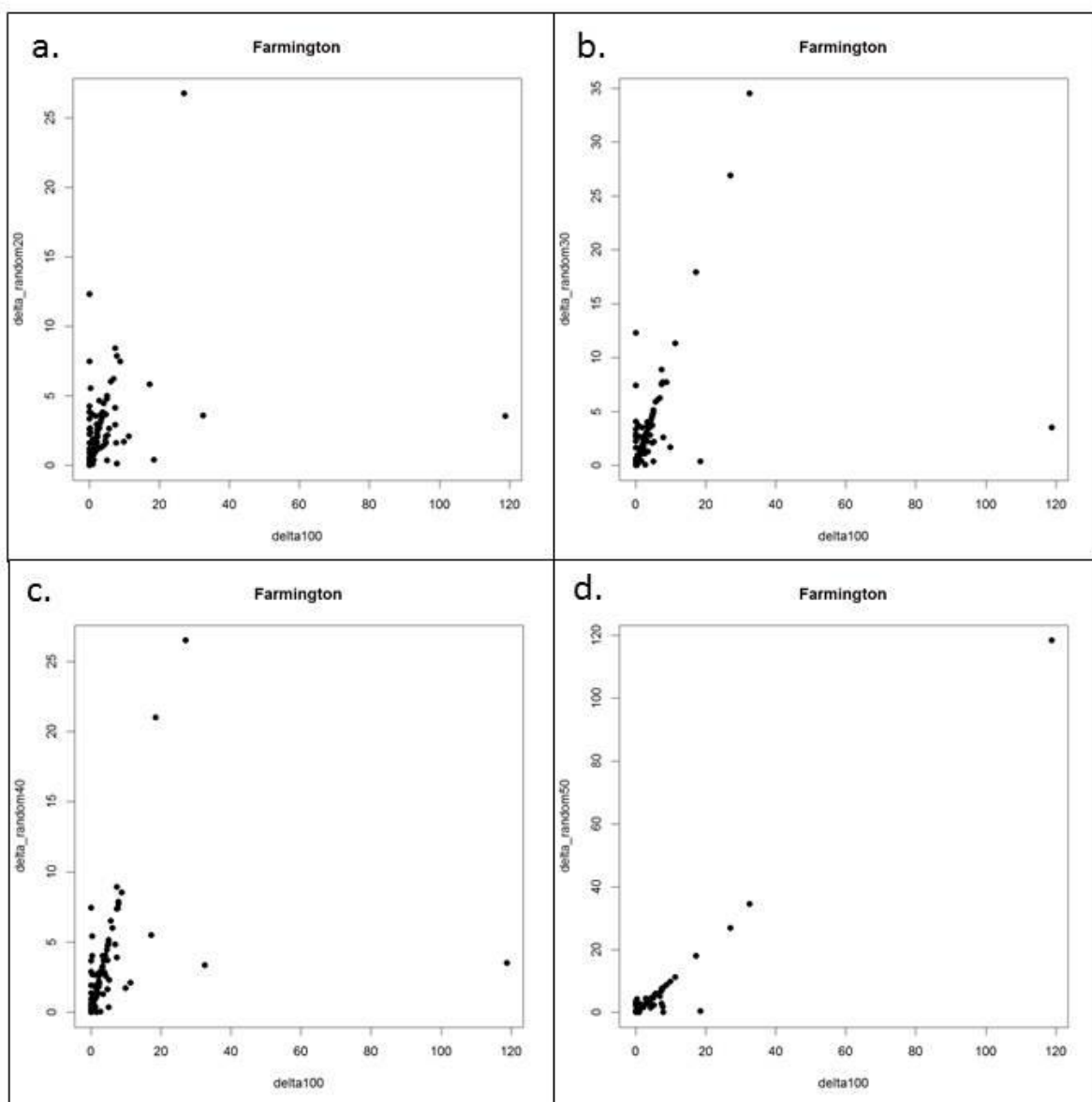


Figure AE-3. Correlation plots for crossings randomly selected for field assessment compared to (near) comprehensive crossing assessment in a portion of the Farmington River watershed: a. 20%, b. 30%, c. 40% and d. 50%.

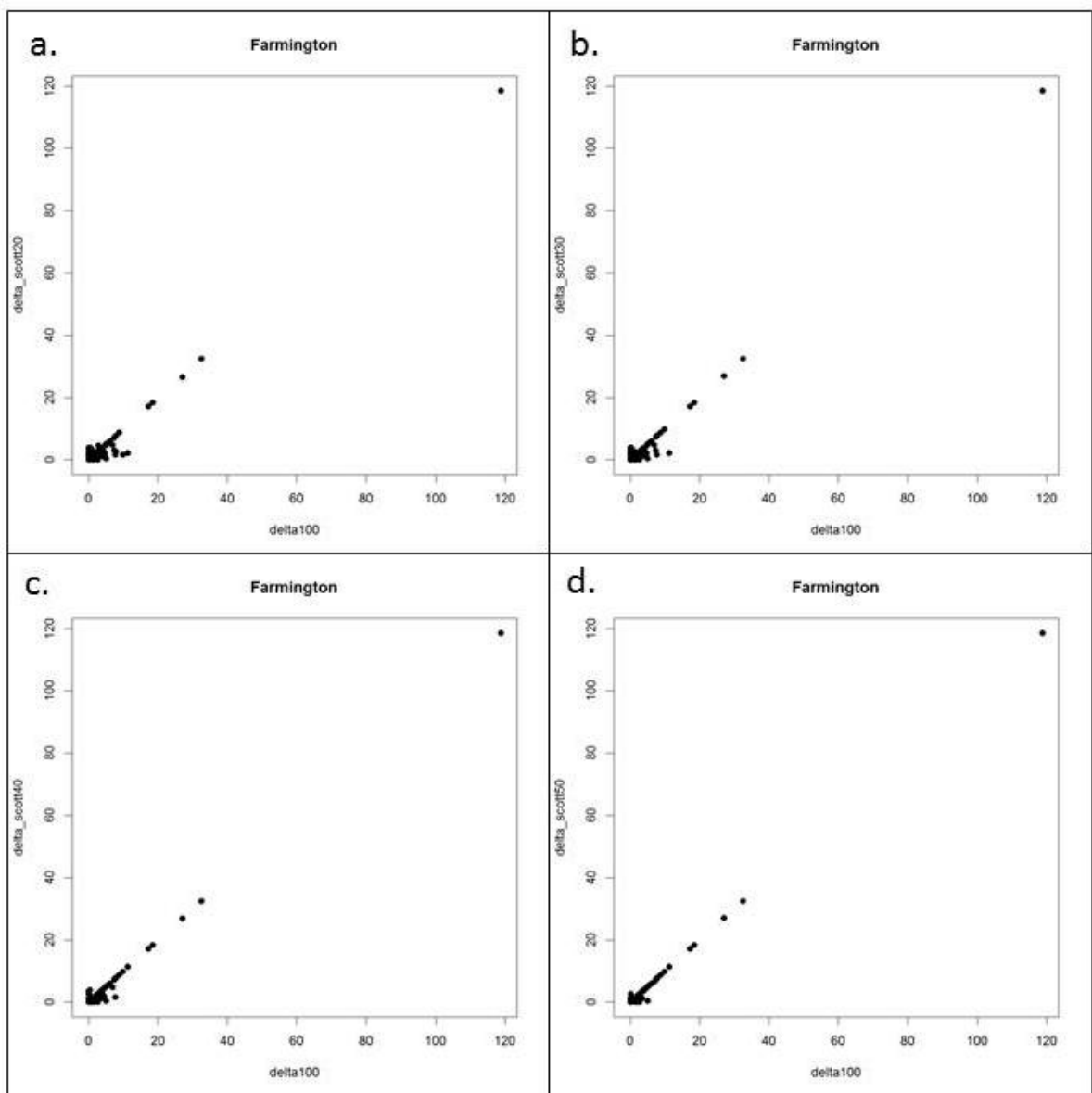


Figure AE-4. Correlation plots for crossings strategically selected for field assessment compared to (near) comprehensive crossing assessment in a portion of the Farmington River watershed: a. 20%, b. 30%, c. 40% and d. 50%.

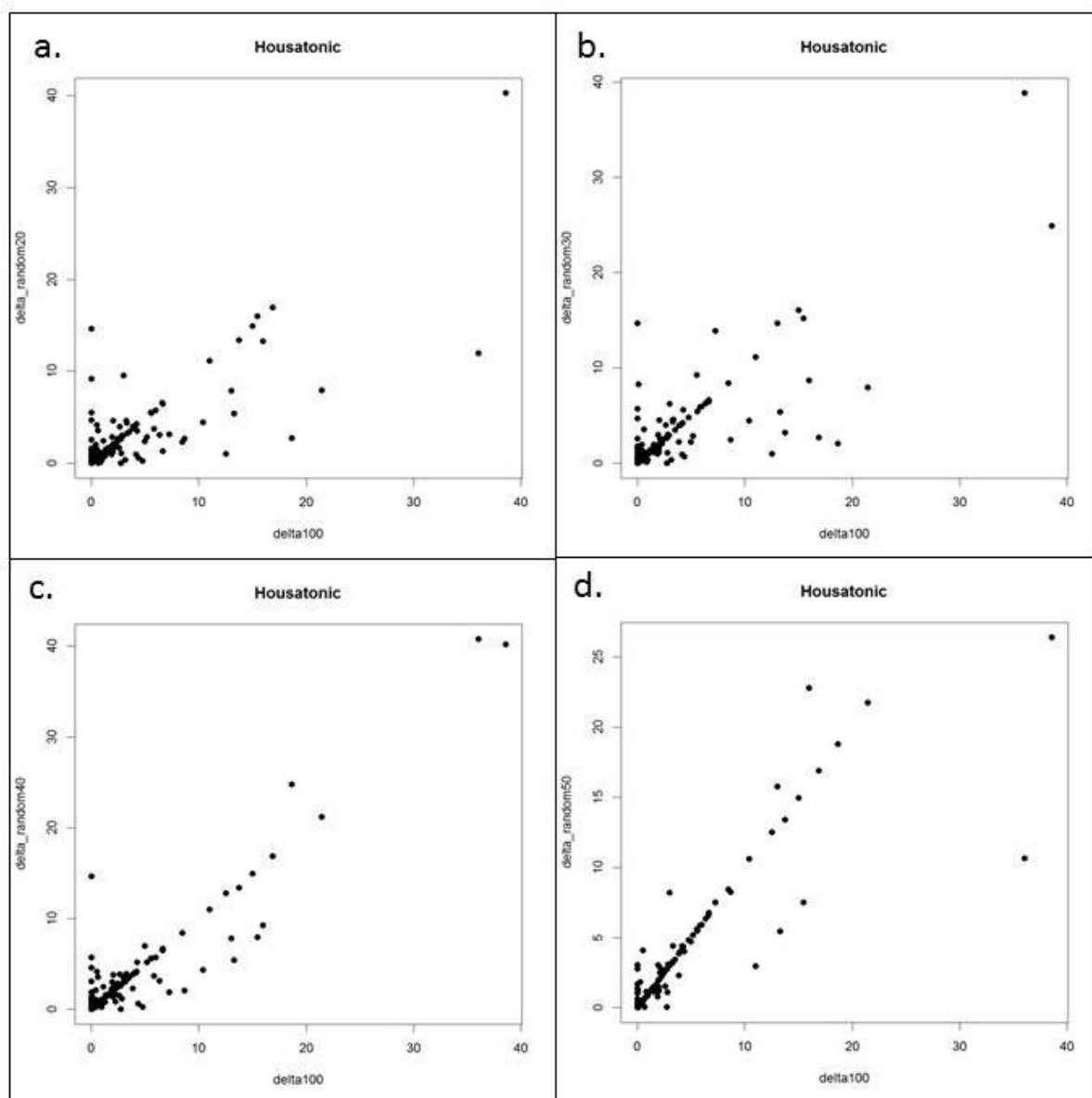


Figure AE-5. Correlation plots for crossings randomly selected for field assessment compared to (near) comprehensive crossing assessment in a portion of the Housatonic River watershed: a. 20%, b. 30%, c. 40% and d. 50%.

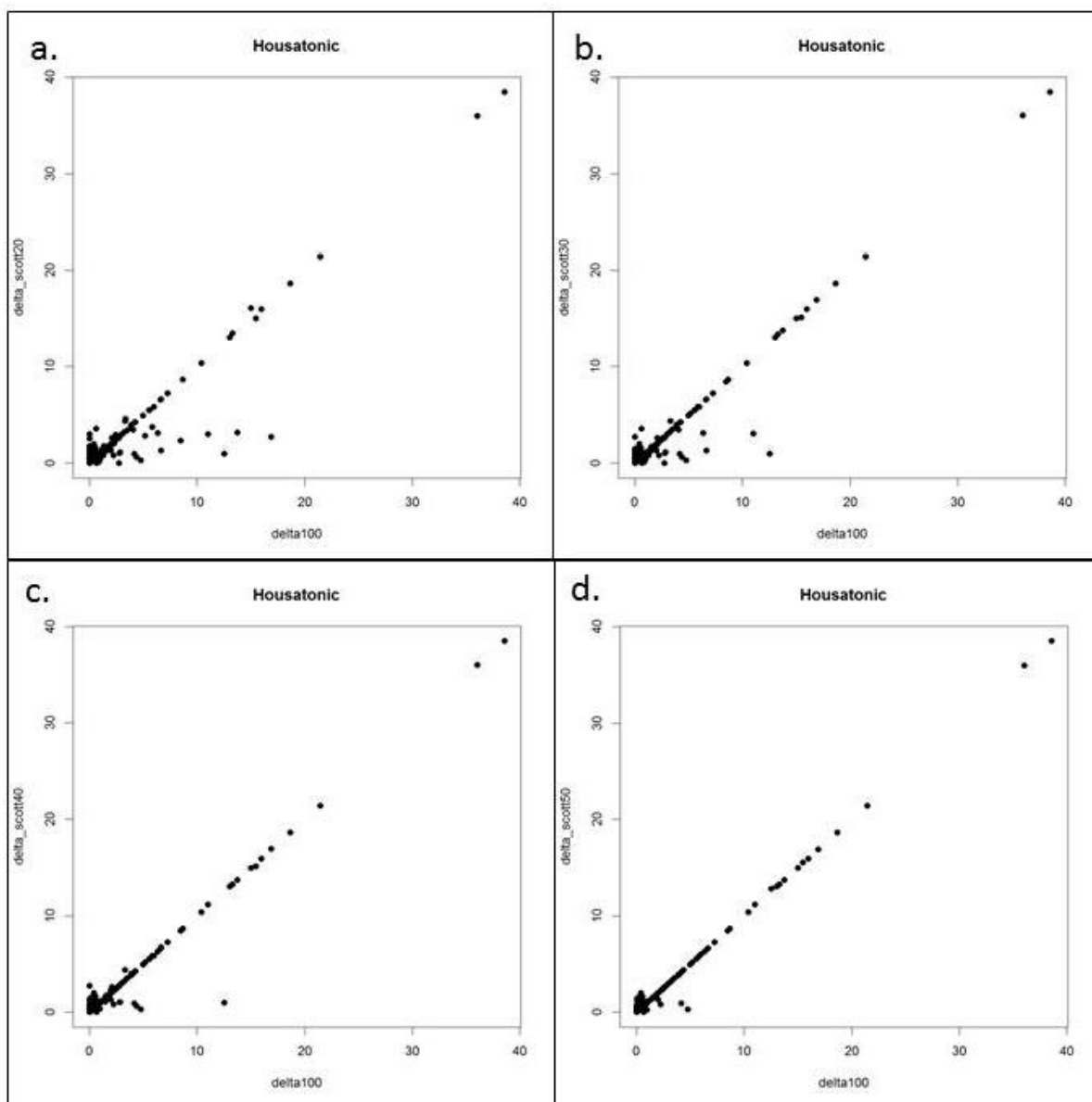


Figure AE-6. Correlation plots for crossings strategically selected for field assessment compared to (near) comprehensive crossing assessment in a portion of the Housatonic River watershed: a. 20%, b. 30%, c. 40% and d. 50%.

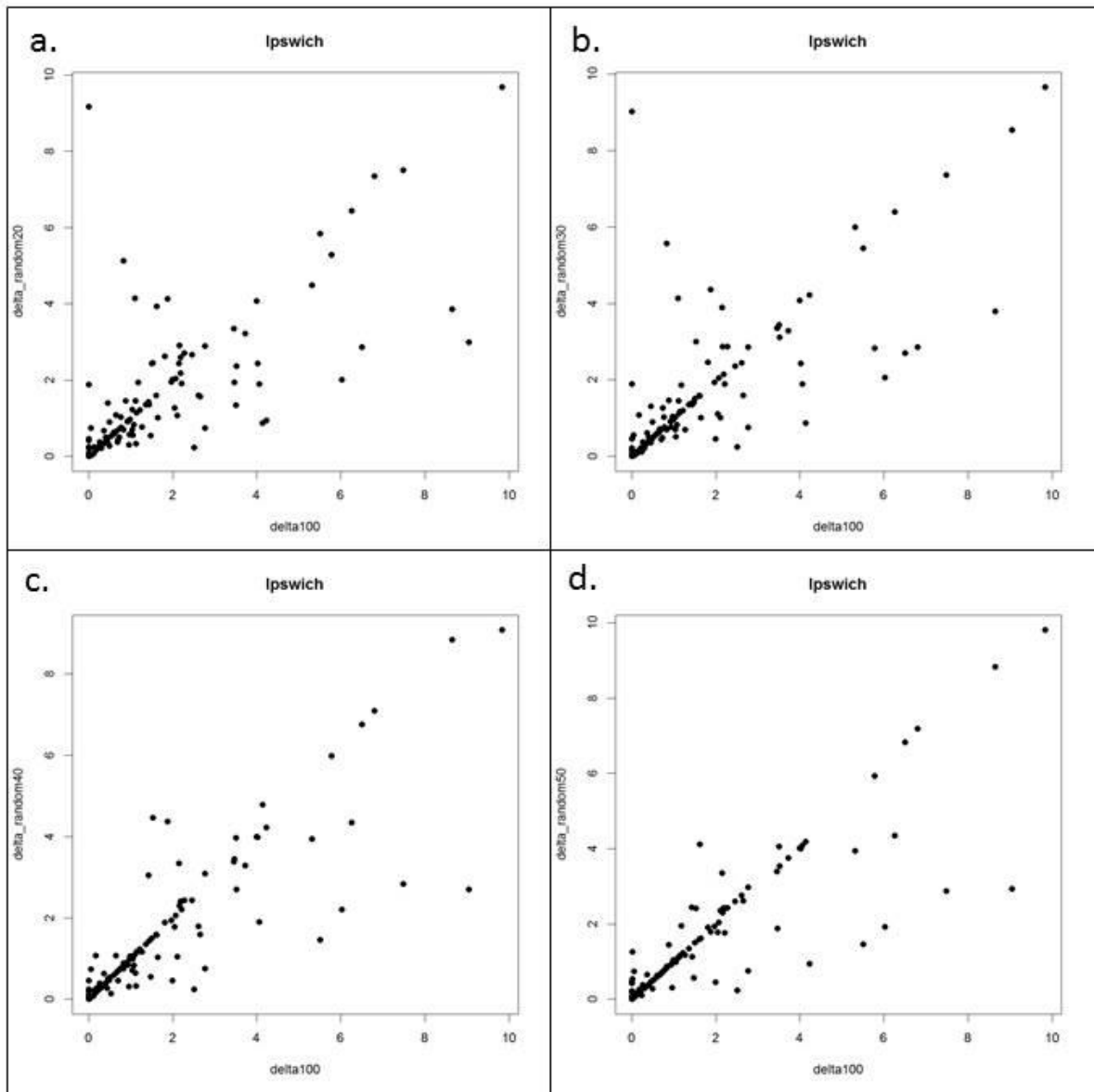


Figure AE-7. Correlation plots for crossings randomly selected for field assessment compared to (near) comprehensive crossing assessment in a portion of the Ipswich River watershed: a. 20%, b. 30%, c. 40% and d. 50%.

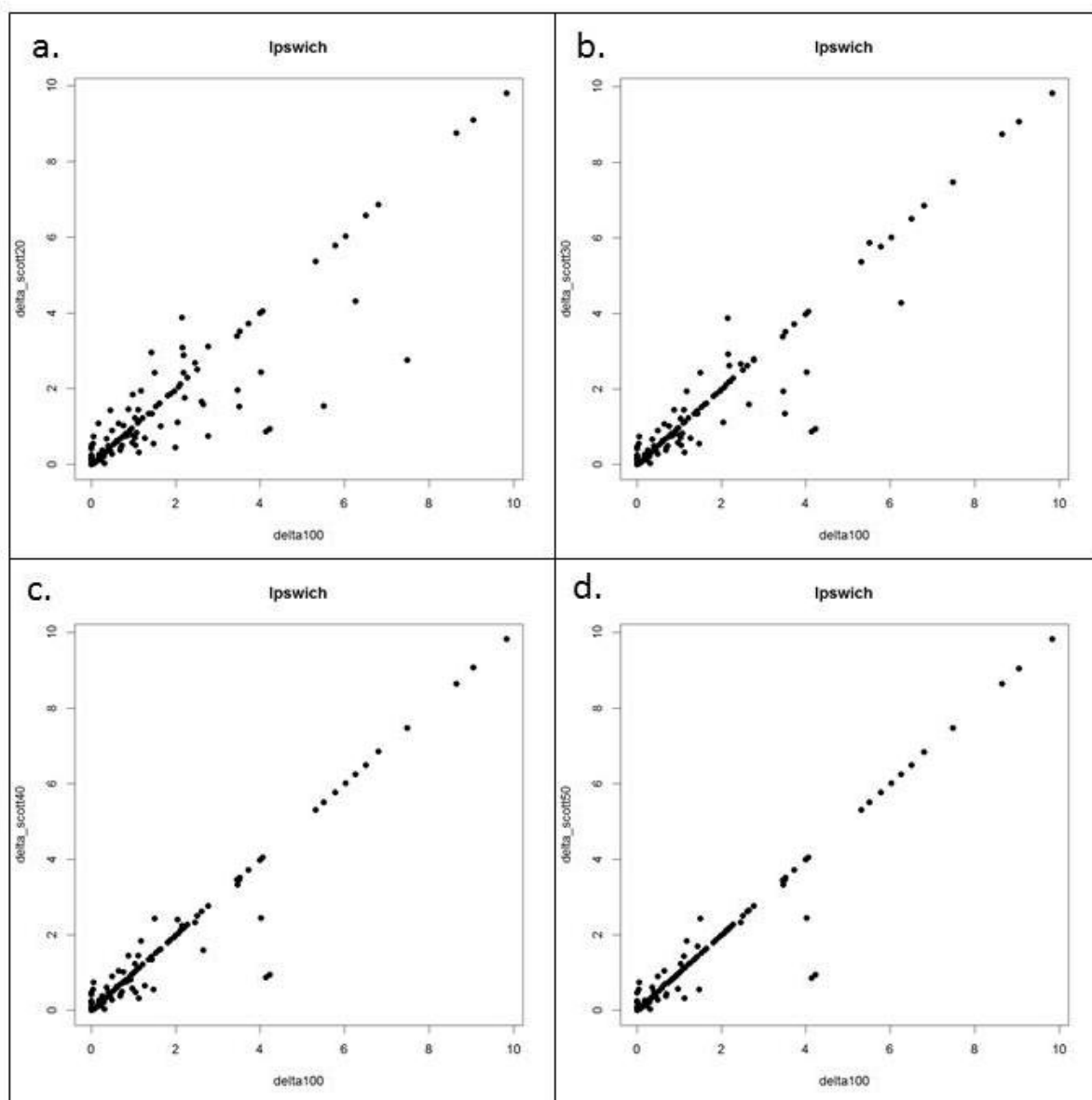


Figure AE-8. Correlation plots for crossings strategically selected for field assessment compared to (near) comprehensive crossing assessment in a portion of the Ipswich River watershed: a. 20%, b. 30%, c. 40% and d. 50%.

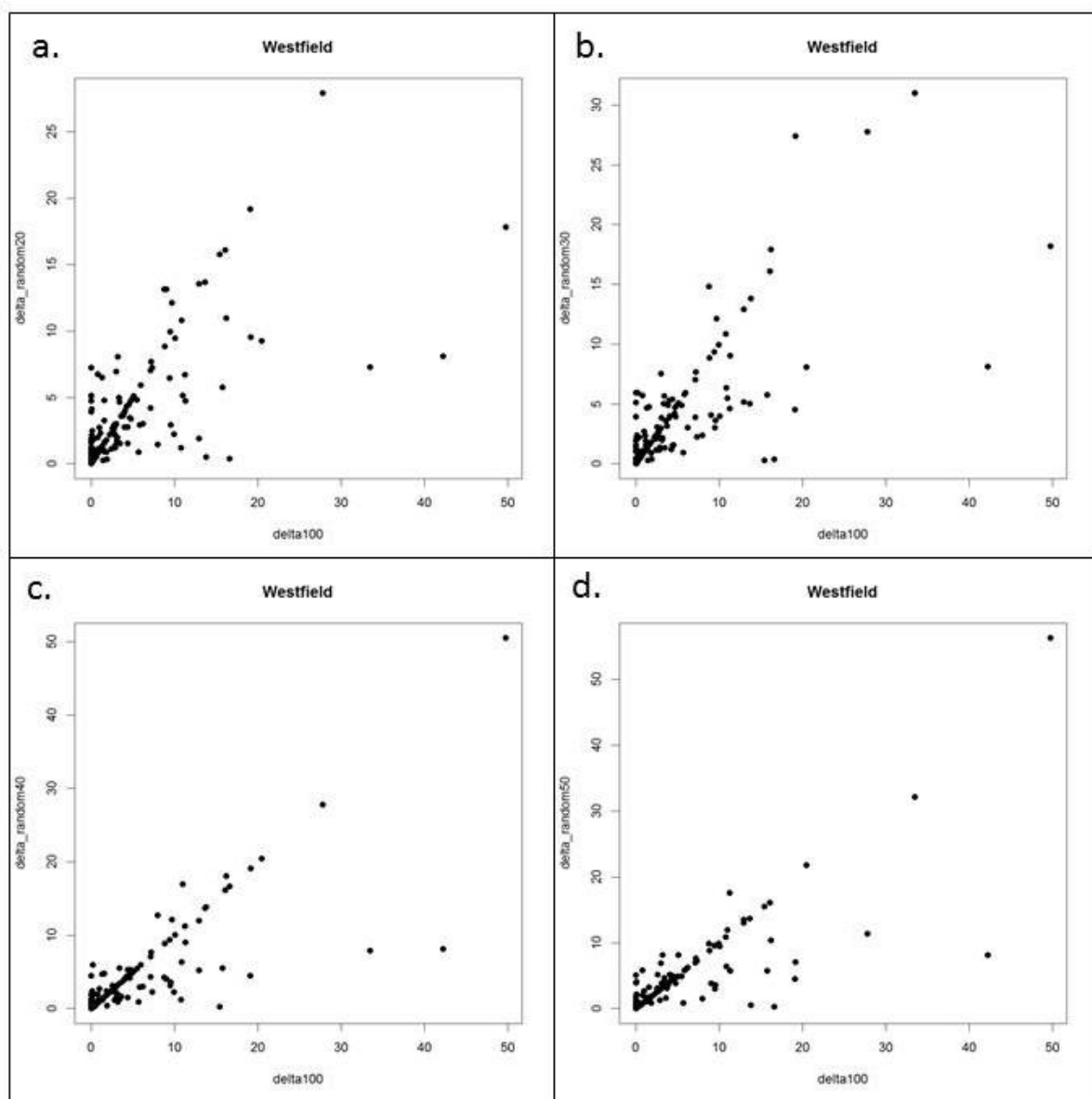


Figure AE-9. Correlation plots for crossings randomly selected for field assessment compared to (near) comprehensive crossing assessment in a portion of the Westfield River watershed: a. 20%, b. 30%, c. 40% and d. 50%.

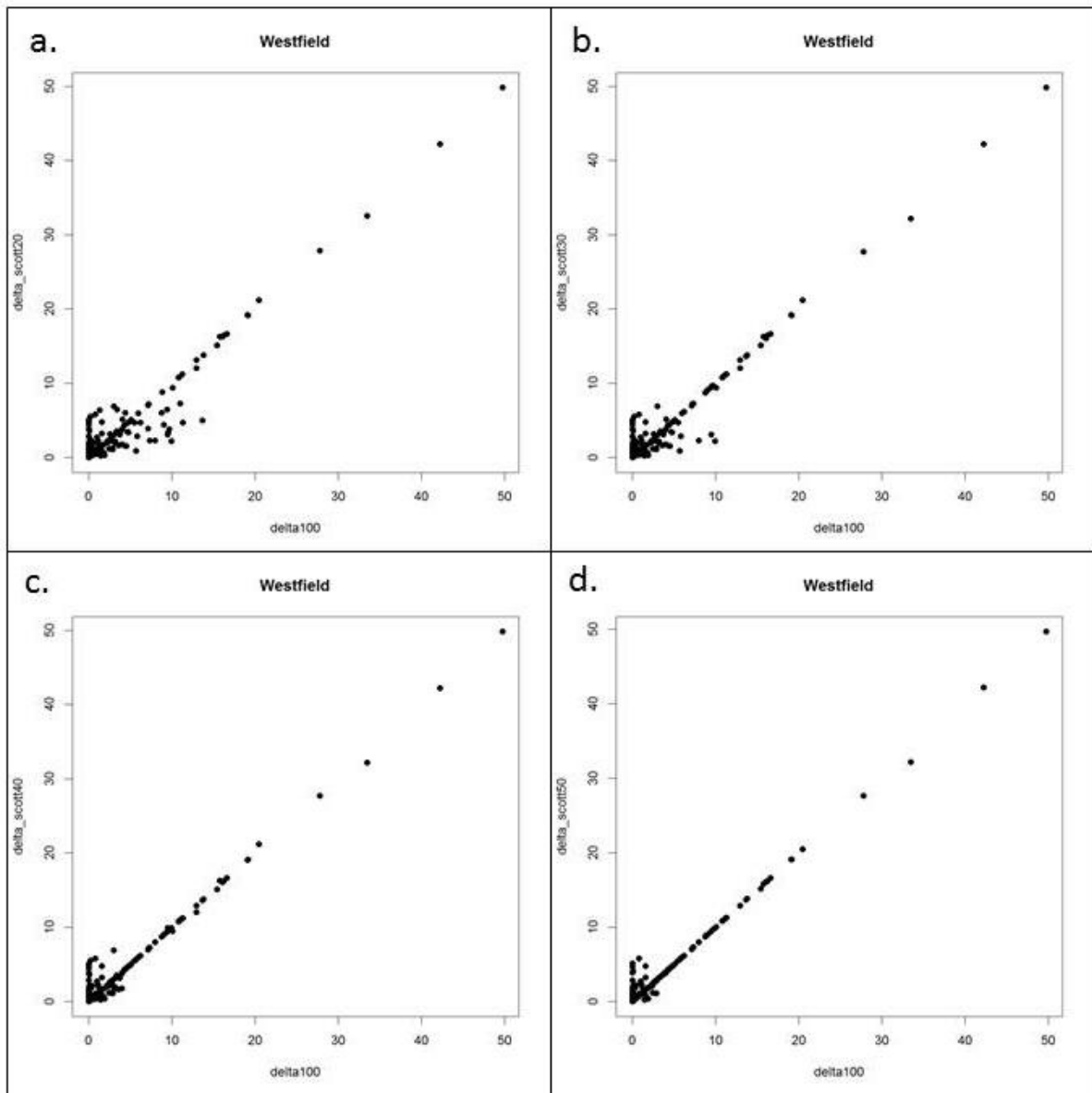


Figure AE-10. Correlation plots for crossings strategically selected for field assessment compared to (near) comprehensive crossing assessment in a portion of the Westfield River watershed: a. 20%, b. 30%, c. 40% and d. 50%.