



Restoration Areas:

Phragmites Yes Yes Yes	Complete Insufficient Tidal Flow Insufficient Tidal Flow Potential Upland Fill Removal Area Complete Insufficient Tidal Flow Potential Upland Fill Removal Area	Notes *See locus ma Potential living shoreline *See locus ma
Yes	Insufficient Tidal Flow Insufficient Tidal Flow Potential Upland Fill Removal Area Complete Insufficient Tidal Flow	
Yes	Insufficient Tidal Flow Potential Upland Fill Removal Area Complete Insufficient Tidal Flow	Potential living shoreline *See locus ma
Yes	Potential Upland Fill Removal Area Complete Insufficient Tidal Flow	Potential living shoreline *See locus ma
	Complete Insufficient Tidal Flow	
	Insufficient Tidal Flow	
	Potential Ubland Fill Removal Area	Dest for each inclusion
V.		Peat from original marsh
	Potential Upland Fill Removal Area	
Yes	Insufficient Tidal Flow	New Culvert proposed by MA DOT - 2018
	Potential Upland Fill Removal Area	
	Potential Upland Fill Removal Area	
	Complete	Overflooded marsh needs some drainage
	Complete	Plantings installed 2017
	Potential Upland Fill Removal Area	
	Complete	Overflooded marsh needs some drainage
Yes	Insufficient Tidal Flow	Large wood debris blocking tidal flow
Yes	Insufficient Tidal Flow	
	Complete	
	Complete	
Yes	Complete	Invasive species dominated
	Potential Upland Fill Removal Area	
	Complete	
	Complete	Natural colonization only
Yes	Insufficient Tidal Flow	
	Potential Upland Fill Removal Area	Eroding landfill edge
	Potential Upland Fill Removal Area	
	Potential Upland Fill Removal Area	Fill was found to be contaminated
	Potential Upland Fill Removal Area	
	Complete	
	Complete	
	Potential Upland Fill Removal Area	
Yes	Insufficient Tidal Flow	
	Complete	
Yes		
Yes		
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Yes		
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	Yes Yes Yes Yes Yes Yes	Potential Upland Fill Removal Area Potential Upland Fill Removal Area Potential Upland Fill Removal Area Complete Potential Upland Fill Removal Area Insufficient Tidal Flow Complete Yes Insufficient Tidal Flow Complete Yes Insufficient Tidal Flow Yes Insufficient Tidal flow Yes Potential Upland Fill Removal Area Complete Yes Insufficient Tidal Flow Complete Yes Insufficient Tidal Flow Yes Potential Upland Fill Removal Area Complete Complete Yes Potential Upland Fill Removal Area Complete Complete Yes Insufficient Tidal Flow

Tidal Restrictions:

ID	Name	Туре	Functioning	Phragmites	Status	Notes
А	Ballard St Tidegate	Flap Gate	No	Yes	Potential project	Leaking temporary flap gate
В	Seagirt Ave Marsh Tidegate	Culvert	No	Yes	Potential project	Obstructed 18-inch culvert and ditch
С	Crescent Marsh Culvert	Culvert	No	Yes	Potential project	MA DOT proposed culvert replacement
D	Bristow St Culvert #2	Culvert	No	Yes	Potential project	obstructed ditch; 18-inch culvert
Е	Bristow St Culvert #1	Culvert	No	Yes	Potential project	Obstructed culvert and ditch
F	Route 107 Bridges Mitigation	Culvert	Yes		Functioning salt marsh	Failed culvert replaced to restore salt marsh
G	Route 107 E Branch Pines River	Bridge	Yes		Complete	Bridge was replaced, with higher and wider structure
Н	Linden Brook Tidegate	Flap Gate	No	Yes	Potential project	Old wooden flap gate
I	Townline Brook Tidegates (3)	SRT	No	Yes	Repairs needed	Three SRTs are not being operated per permit conditions; three bottom floats missing
J	Route 1A Tidegate #1	SRT	Yes		Repairs needed	Missing top floats need replacement for flood control
Κ	I-95 Embankment	Waterway				Armored crossing of Pines River restricts flow and drainage across marsh
L	Route 1A Tidegate #2	SRT	No		Repairs needed	Missing top floats need replacement, obstructed culvert
М	Copeland Circle Tidegate	Flap Gate	No	Yes	Potential project	Cast iron flap gate only supports salt marsh from leakage
Ν	Pines River Railroad Crossing	Bridge				Limited vertical clearance at high tide - due to low bridge structure
0	Route 107 Pines River	Bridge	Yes		Complete	Bridge was replaced, with higher and wider structure
Ρ	Route 1A Tidegate #3	SRT	No		Repairs needed	Crushed culvert outlet and stolen grated vault cover need replacement
Q	Route 1A Tidegate #4	SRT	Yes		Repairs needed	Stolen grated vault cover needs replacement
R	Route 1A Tidegate #5	SRT	No	Yes	Potential project	Replace 24" culvert with larger size. 48" SRT stolen grated vault cover needs replacement
S	Route 107 Diamond Creek	Bridge	Yes		Complete	Bridge was replaced, with higher and wider structure
Т	Route 1A Tidegate #6	SRT	No	Yes	Repairs needed	Completely obstructed 600 foot long culvert. Stolen grated vault cover needs replacement
U	Oak Island Tidegate	SRT	Yes		Under restoration	New combo gate (2013). Portions of salt marsh restored with muted tidal hydrology
V	Central County Ditch Tidegate	SRT	No	Yes	Repairs needed	Not being operated properly to maximize restoraton; needs bottom float installation