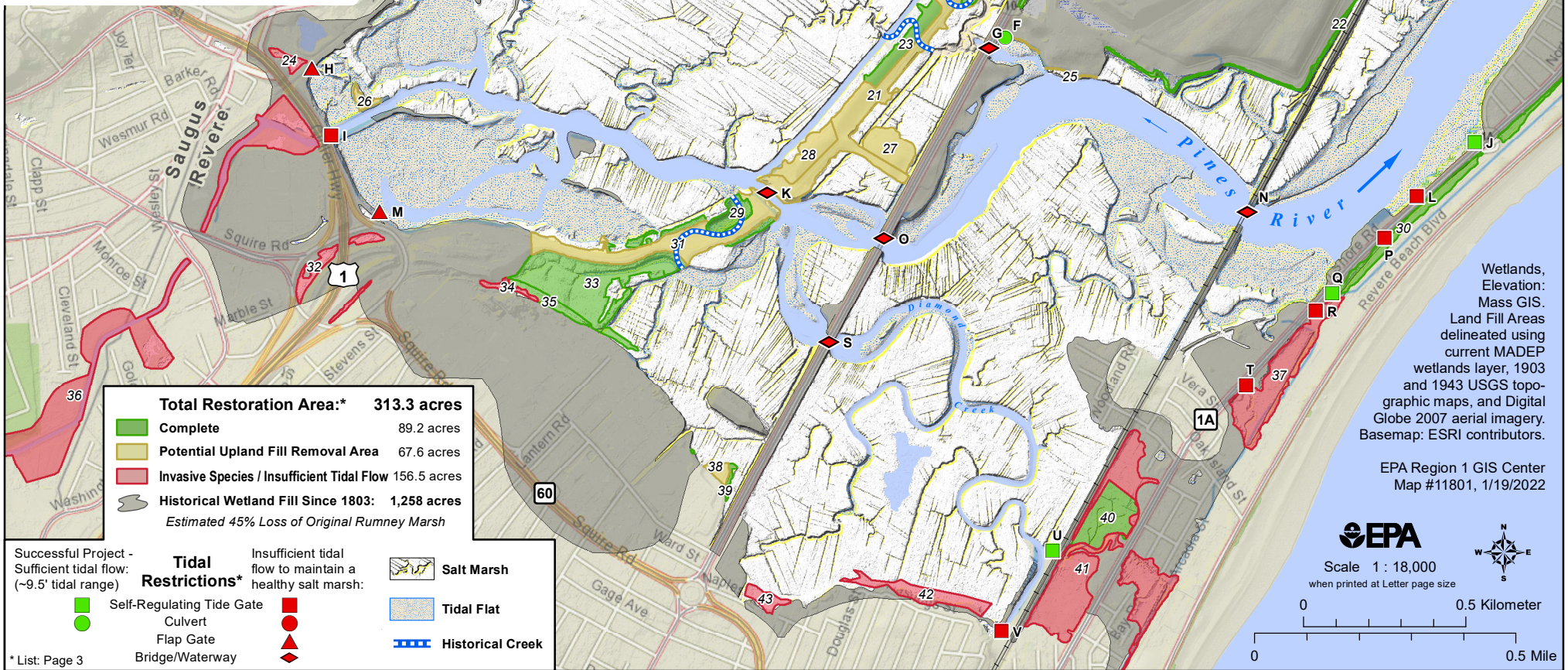
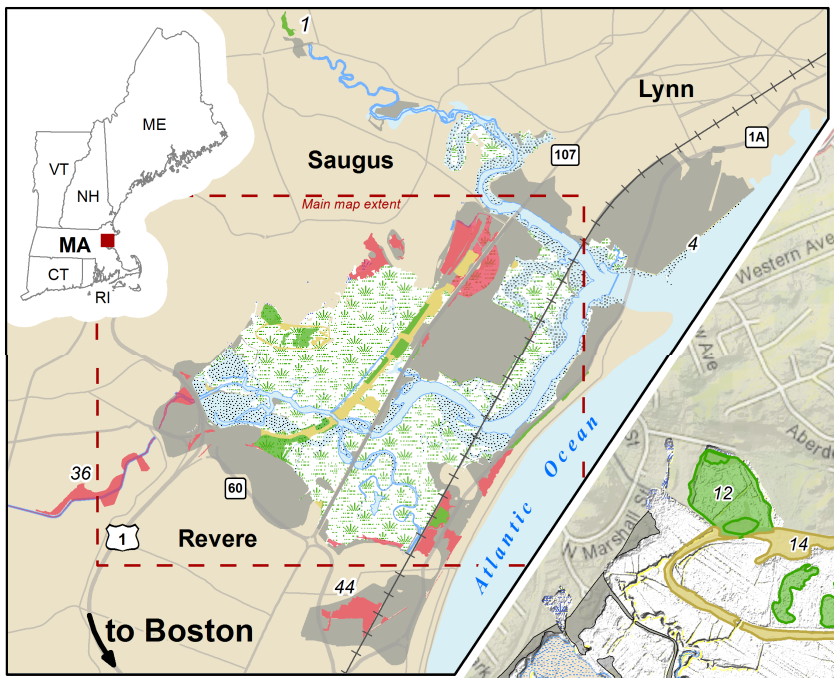


# Rumney Marsh Restoration Areas



**Total Restoration Area:\* 313.3 acres**

<span style="color: green;">■</span> Complete	89.2 acres
<span style="color: yellow;">■</span> Potential Upland Fill Removal Area	67.6 acres
<span style="color: red;">■</span> Invasive Species / Insufficient Tidal Flow	156.5 acres
<span style="color: grey;">■</span> Historical Wetland Fill Since 1803	1,258 acres
<i>Estimated 45% Loss of Original Rumney Marsh</i>	

Successful Project - Sufficient tidal flow: (~9.5' tidal range)

**Tidal Restrictions\***

<span style="color: green;">■</span> Self-Regulating Tide Gate	<span style="color: red;">■</span> Insufficient tidal flow to maintain a healthy salt marsh:	Salt Marsh
<span style="color: green;">●</span> Culvert	<span style="color: red;">●</span> Flap Gate	Tidal Flat
<span style="color: green;">■</span> Bridge/Waterway	<span style="color: red;">▲</span> Bridge/Waterway	Historical Creek

Wetlands, Elevation: Mass GIS.  
 Land Fill Areas delineated using current MADEP wetlands layer, 1903 and 1943 USGS topographic maps, and Digital Globe 2007 aerial imagery.  
 Basemap: ESRI contributors.

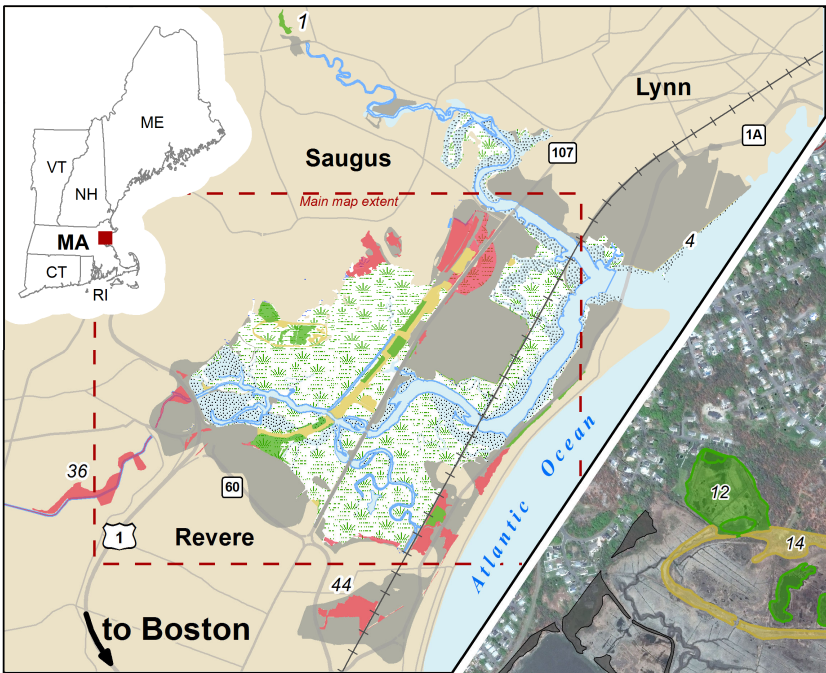
EPA Region 1 GIS Center  
 Map #11801, 1/19/2022

EPA  
 Scale 1 : 18,000  
 when printed at Letter page size

0 0.5 Kilometer  
 0 0.5 Mile

\* List: Page 3

# Rumney Marsh Restoration Areas



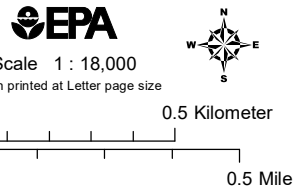
**Total Restoration Area:\* 313.3 acres**

- Complete 89.2 acres
- Potential Upland Fill Removal Area 67.6 acres
- Invasive Species / Insufficient Tidal Flow 156.5
- Historical Wetland Fill Since 1803: 1,258 acres  
*Estimated 45% Loss of Original Rumney Marsh*

- Successful Project - Sufficient tidal flow: (~9.5' tidal range)
- Self-Regulating Tide Gate
  - Culvert
  - Flap Gate
  - Bridge/Waterway
- Tidal Restrictions\*
- Insufficient tidal flow to maintain a healthy salt marsh:
  - 
  -
- Salt Marsh
  - Tidal Flat
  - Historical Creek

Wetlands, Elevation: Mass GIS.  
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Map #11801, 1/19/2022



\* List: Page 3

## Restoration Areas:

ID	Name	Acres	Status	Phragmites	Notes
1	National Park Service	2.9	Complete		*See locus map
2	Seagirt Ave Marsh	3.4	Insufficient Tidal Flow	Yes	
3	Ballard St Restoration	34.5	Insufficient Tidal Flow	Yes	
4	Potential Lynn South Harbor Shoreline Restoration	2.0	Potential Upland Fill Removal Area		Potential living shoreline *See locus map
5	GE Salt Marsh Mitigation	0.2	Complete		
6	Saugus Ave Marsh	16.4	Insufficient Tidal Flow	Yes	
7	I-95 Salt Marsh Restoration Area 6	7.0	Potential Upland Fill Removal Area		Peat from original marsh
8	RESCO Salt Marsh Restoration Area	1.0	Potential Upland Fill Removal Area		
9	Crescent Marsh	22.8	Complete	Yes	MA DOT installed new culvert February, 2021
10	I-95 Salt Marsh Restoration Area 5	1.3	Potential Upland Fill Removal Area		
11	I-95 Salt Marsh Restoration Area 4	3.6	Potential Upland Fill Removal Area		Peat from original marsh
12	Park Street Marsh Restoration Area	6.1	Complete		Overflooded marsh needs some drainage
13	Massport Logan Airport Mitigation	4.7	Complete		Plantings installed 2017
14	Saugus Racetrack	10.3	Potential Upland Fill Removal Area		
15	Saugus Racetrack Open Marsh Water Mgmt (OMWM)	8.6	Complete		Overflooded marsh needs some drainage
16	Landfill Salt Marsh Restoration Area	0.1	Insufficient Tidal Flow	Yes	Large wood debris blocking tidal flow
17	Route 107 Wetland	1.2	Insufficient Tidal Flow	Yes	
18	Saugus River Navigation Project Mitigation	5.1	Complete		
19	DOT Route 107 Bridges Mitigation	0.6	Complete		
20	Saugus Landfill Wetland	0.1	Complete	Yes	Invasive species dominated
21	I-95 Salt Marsh Restoration North	24.0	Potential Upland Fill Removal Area		
22	Landfill Salt Marsh Restoration Area	2.9	Complete		
23	DCR Nahant Causeway Mitigation	4.2	Complete		Natural colonization only
24	Linden Brook Restoration	0.8	Insufficient Tidal Flow	Yes	
25	Dewey Daggett Landfill Shoreline Stabilization	0.2	Complete	Yes	Eroding landfill edge stabilized with riprap
26	Pines River Channelization Upland Fill	0.6	Potential Upland Fill Removal Area		
27	DCR Salt Marsh Restoration Area	3.5	Potential Upland Fill Removal Area		Fill was found to be contaminated
28	I-95 Salt Marsh Restoration Area 1	3.5	Potential Upland Fill Removal Area		
29	Corps Roughan's Point Mitigation Area	2.2	Complete		
30	Route 1A Tide gates #1-4 Marsh	5.4	Complete		Maintenance needed to tide gates for proper function
31	I-95 Salt Marsh Restoration South	9.9	Potential Upland Fill Removal Area		
32	Copeland Circle Wetlands	2.4	Insufficient Tidal Flow	Yes	
33	Central Artery Marsh Restoration	16.0	Complete		
34	Caruso Marsh Restoration Phragmites Zone	0.7	Insufficient Tidal Flow	Yes	
35	Caruso Marsh Restoration	1.7	Complete		
36	Townline Brook Marsh Restoration	39.0	Insufficient tidal flow	Yes	
37	Route 1A Tide gates #5-6 Marsh	9.5	Insufficient Tidal Flow	Yes	
38	DCR Salt Marsh Restoration Area 2	0.8	Potential Upland Fill Removal Area	Yes	
39	BJ's Salt Marsh Restoration	0.3	Complete		
40	Oak Island Marsh Restoration	5.5	Complete		
41	Oak Island Marsh Restoration & Eastern County Ditch	20.7	Insufficient Tidal Flow	Yes	
42	Hastings Street Salt Marsh	6.5	Invasive species	Yes	
43	Naples Road Marsh	1.3	Invasive species	Yes	
44	Central County Ditch Marsh Restoration	22.9	Insufficient Tidal Flow	Yes	Tide gate needs bottom float install *See locus map

## Tidal Restrictions:

ID	Name	Type	Functioning	Status	Phragmites	Notes
A	Ballard St Tide gate	Flap Gate	Yes	Complete	Yes	
B	Seagirt Ave Marsh Tide gate	Culvert	No	Potential project	Yes	Obstructed 18-inch culvert and ditch
C	Crescent Marsh Culvert	Culvert	Yes	Complete	Yes	MA DOT culvert replacement
D	Bristow St Culvert #2	Culvert	No	Potential project	Yes	obstructed ditch; 18-inch culvert
E	Bristow St Culvert #1	Culvert	No	Potential project	Yes	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
H	Linden Brook Tide gate	Flap Gate	No	Potential project	Yes	Old wooden flap gate
I	Townline Brook Tide gates (3)	SRT	No	Repairs needed	Yes	Three SRTs are not being operated per permit conditions; three bottom floats missing
J	Route 1A Tide gate #1	SRT	Yes	Repairs needed		Missing top floats need replacement for flood control
K	I-95 Embankment	Waterway				Armored crossing of Pines River restricts flow and drainage across marsh
L	Route 1A Tide gate #2	SRT	No	Repairs needed		Missing top floats need replacement; obstructed culvert
M	Copeland Circle Tide gate	Flap Gate	No	Potential project	Yes	Cast iron flap gate only supports salt marsh from leakage
N	Pines River Railroad Crossing	Bridge				Limited vertical clearance at high tide - due to low bridge structure
O	Route 107 Pines River	Bridge	Yes	Complete		Bridge was replaced, with higher and wider structure
P	Route 1A Tide gate #3	SRT	No	Repairs needed		Crushed culvert outlet and stolen grated vault cover need replacement
Q	Route 1A Tide gate #4	SRT	Yes	Repairs needed		Stolen grated vault cover needs replacement
R	Route 1A Tide gate #5	SRT	No	Potential project	Yes	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
T	Route 1A Tide gate #6	SRT	No	Repairs needed	Yes	Completely obstructed 600-foot-long culvert. Stolen grated vault cover needs replacement
U	Oak Island Tide gate	SRT	Yes	Under restoration		New combo gate (2013). Portions of salt marsh restored with muted tidal hydrology
V	Central County Ditch Tide gate	SRT	No	Repairs needed	Yes	Not being operated properly to maximize restoration; needs bottom float installation