

Supplementary Materials (S2)

A Matrix Approach to Quantify Spatio-temporal Trends in Ecosystem Services Capacity for Massachusetts Bays National Estuary Embayments

1. A more detailed version of Figure 3, with specific regional changes.
2. A more detailed version of Figures 5 and 6, with specific regional and ecosystem service combinations.
3. Embayment level maps and analyses

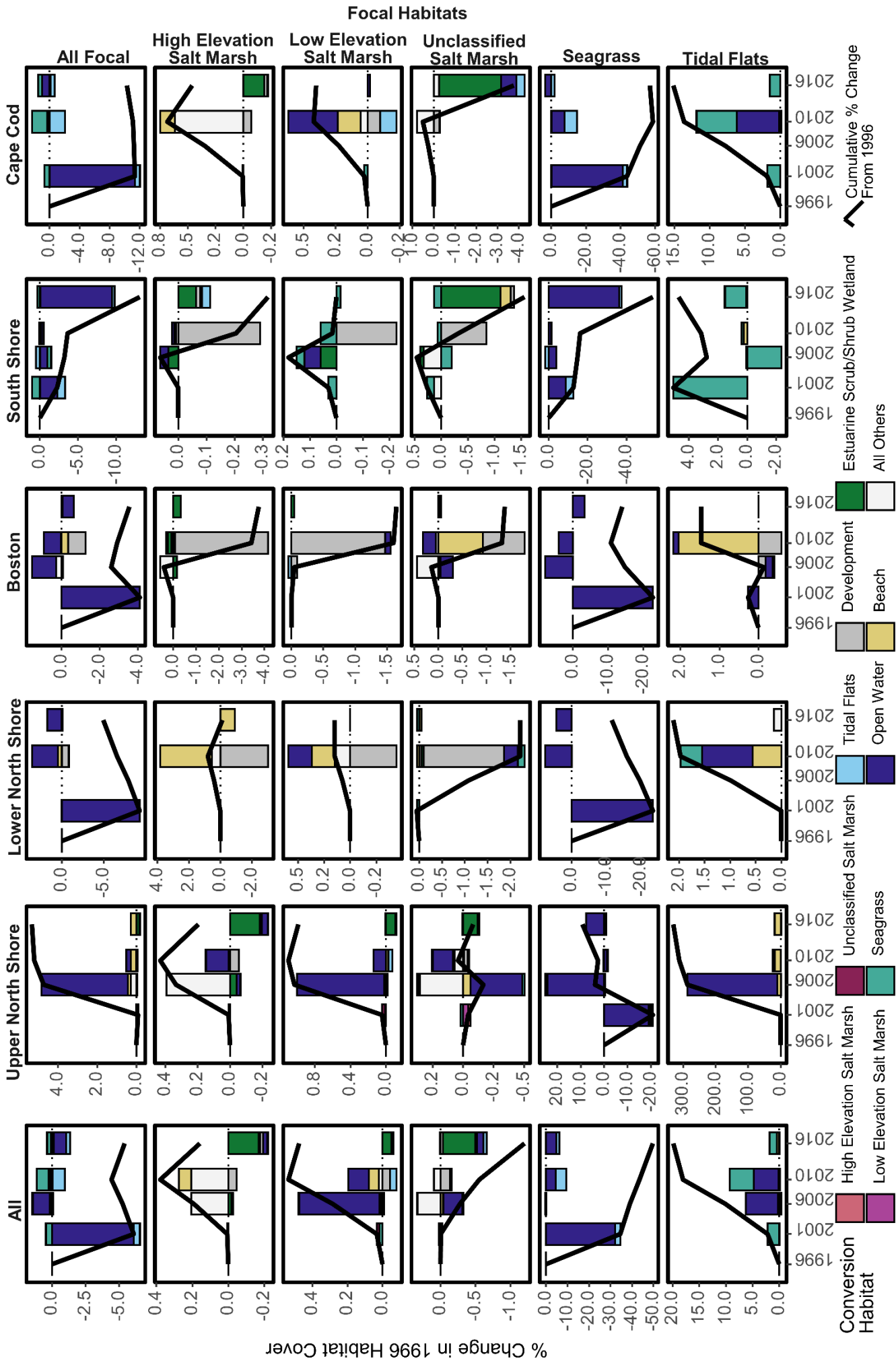


Figure 1. A more detailed version of Figure 3 from the main text. Land use land cover change among all combined focal habitats across the five regions of the MassBays NEP. Bars represent single time-step conversions relative to the original 1996 values. Positive bars signify an increase focal habitats from the conversion habitat. Negative bars are a loss in focal habitats to the conversion habitat. Stacked bars are additive and the total net height (positive plus negative) is the total conversion of the focal habitat for that year. Lines represent the cumulative change in focal habitats relative to the original 1996 coverage.

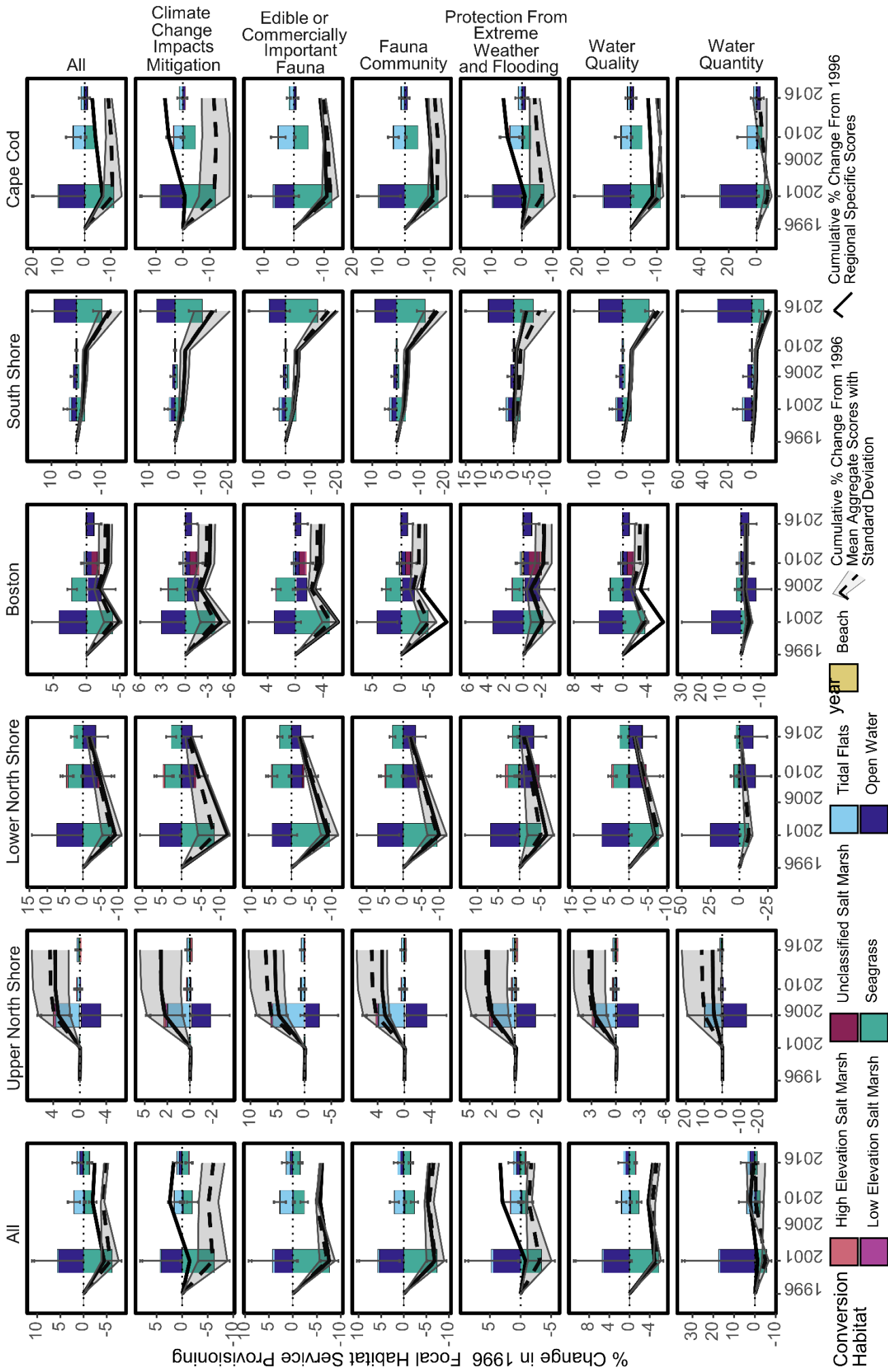


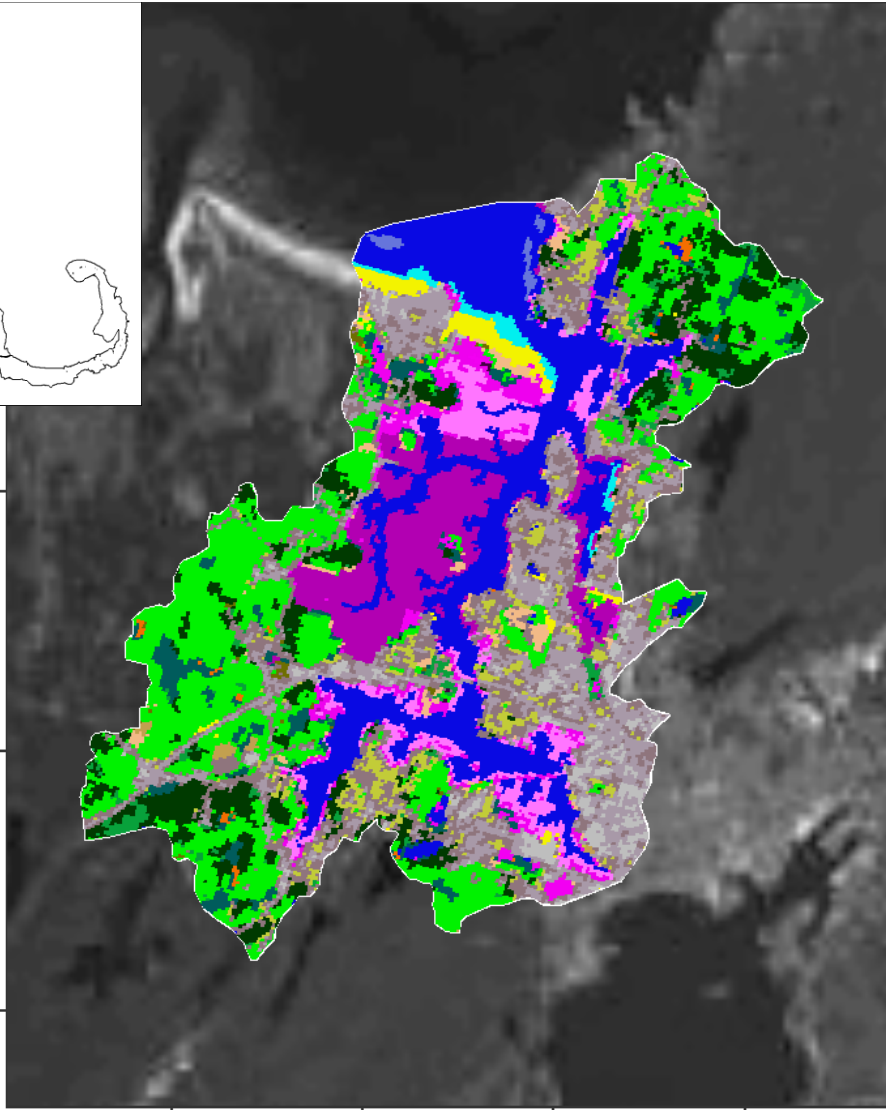
Figure 2. A more detailed version of Figures 5 and 6. The percent change in focal ecosystem service capacity NEP wide and within individual regions. Positive bars signify the percentage of focal service gains attributed to the corresponding habitat for that time-step. Negative bars signify the percent of the loss in services attributed to the corresponding loss of habitat. Lines represent the cumulative change in 1996 focal ecosystem services using both the NEP wide mean scores and standard deviations, as well as the mean of the regional specific scores. Error bars and shaded areas show the standard deviation from the 100 boot strap iterations.

Embayment level analysis for each of the sixty seven embayments of the MassBays National Estuary Program. Embayments are presented alphabetically in three pages each. The first and second pages represent the embayment in 1996 and 2016, respectively. These pages include a map of habitat cover according to the conglomerate land cover dataset, the relative composition of the total focal habitat cover by each of the five focal habitats as well as the same representation according to each ecosystem service capacity. Finally, a table is presented for the coverage of each of the focal habitats relative to the total embayment area and the total focal habitat area. The third and final page for each embayment presents the changes in habitat cover and service capacity from 1996 to 2016. A map indicates the percent change in service capacity for each 30 m x 30 m focal habitat area, which was calculated as the total service provisioning for each habitat in an embayment by the proportion of that habitat area represented by one pixel. This is followed by a bar graph indicating how focal service provisioning was gained or lost in each year. Positive bars represent a gain in services for that habitat, while negative bars represent a loss of focal habitat provisioning to the indicated habitat. Error bars are the uncertainty of the total loss or gain as calculated from the standard deviations of 100 bootstrapped iterations. The line represents the cumulative percent change from the 1996 focal habitat service capacity and the ribbon around the line is the uncertainty from the 100 bootstrapped iterations. Finally, a table at the bottom of the third page indicates the changes that occurred in focal habitats and how their services were distributed.

Annisquam River - 1996

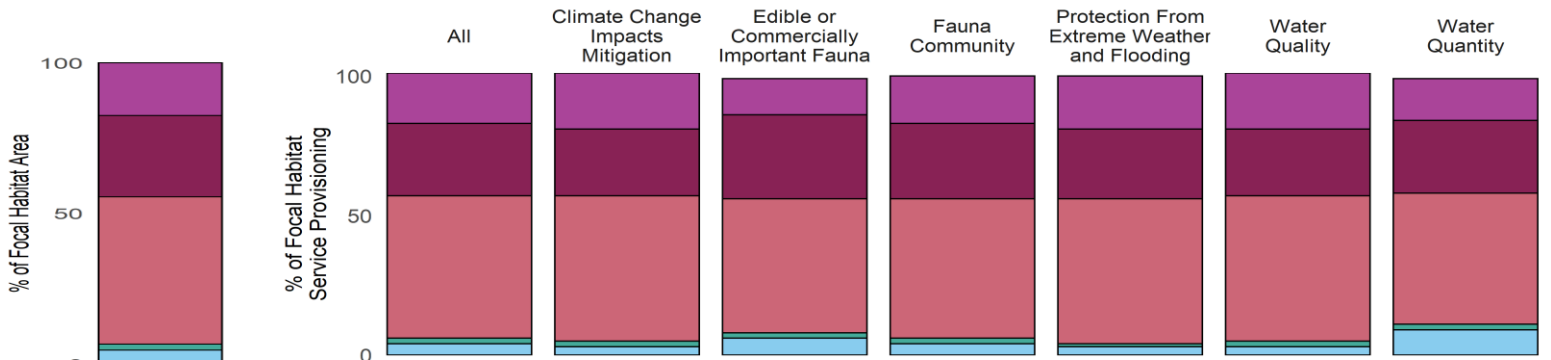


42.64°N
42.62°N
42.60°N



70.72°W 70.70°W 70.68°W 70.66°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

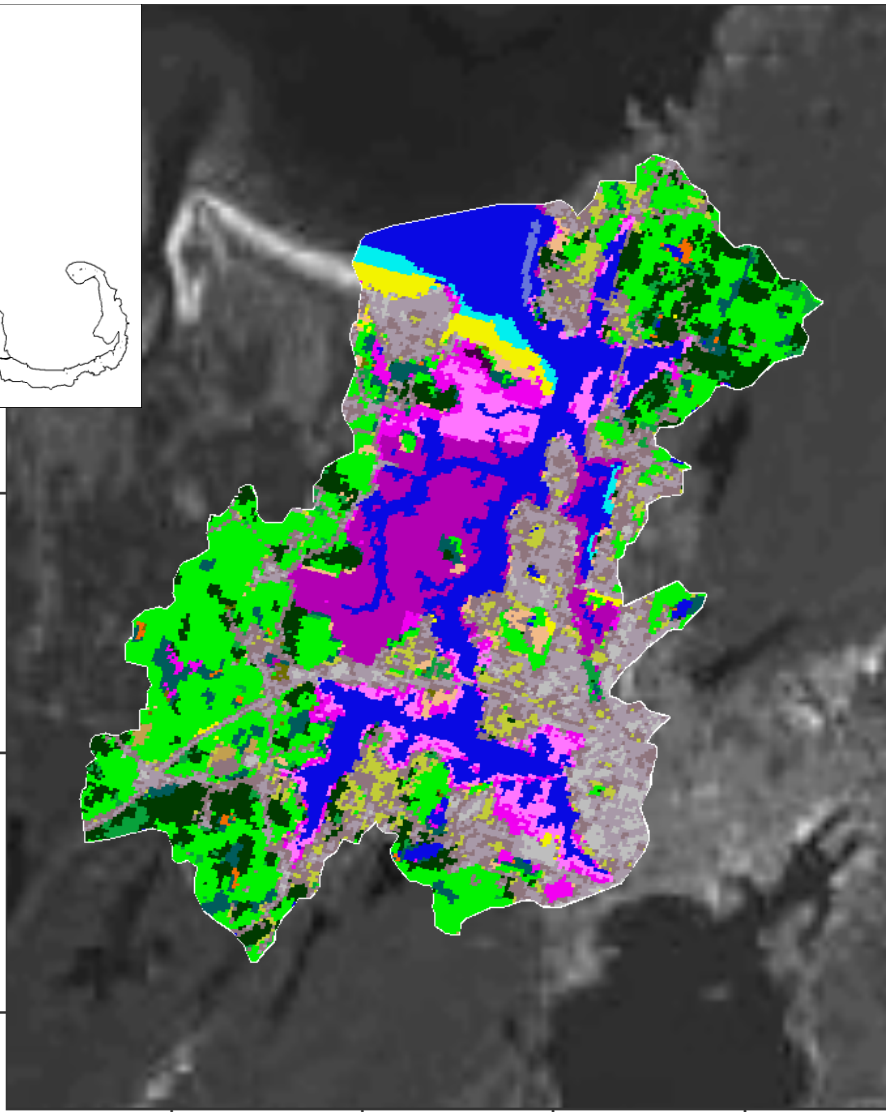


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	4,226.9	354.3	62.0	95.7	173.2	7.0	16.4
Percent Focal	1,192.9	100.0	17.5	27.0	48.9	2.0	4.6
Percent All	100.0	8.4	1.5	2.3	4.1	0.2	0.4

Annisquam River - 2016

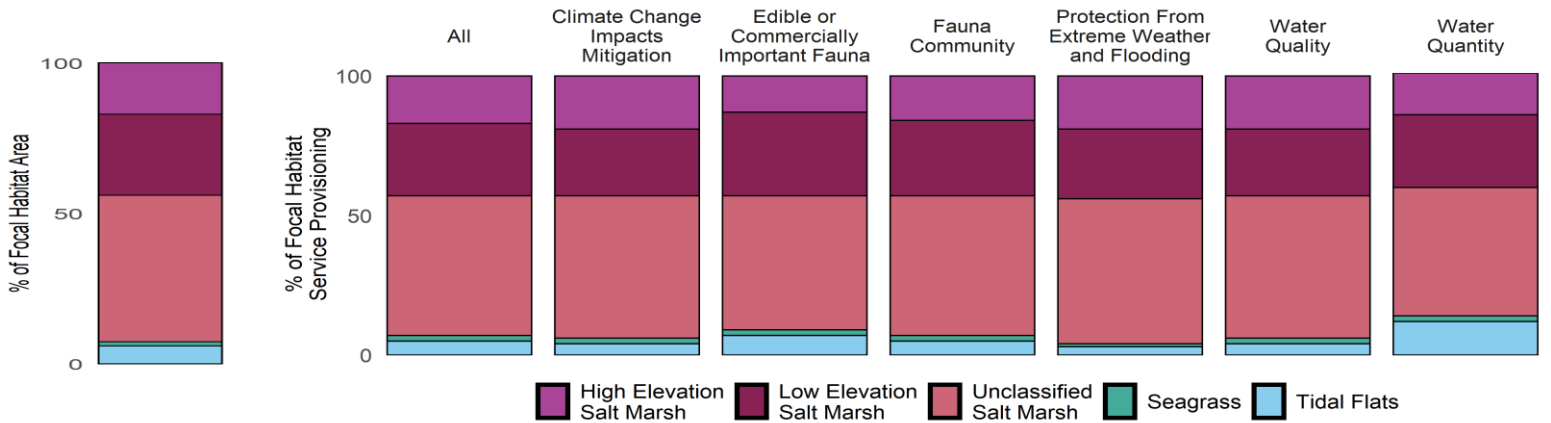


42.64°N
42.62°N
42.60°N



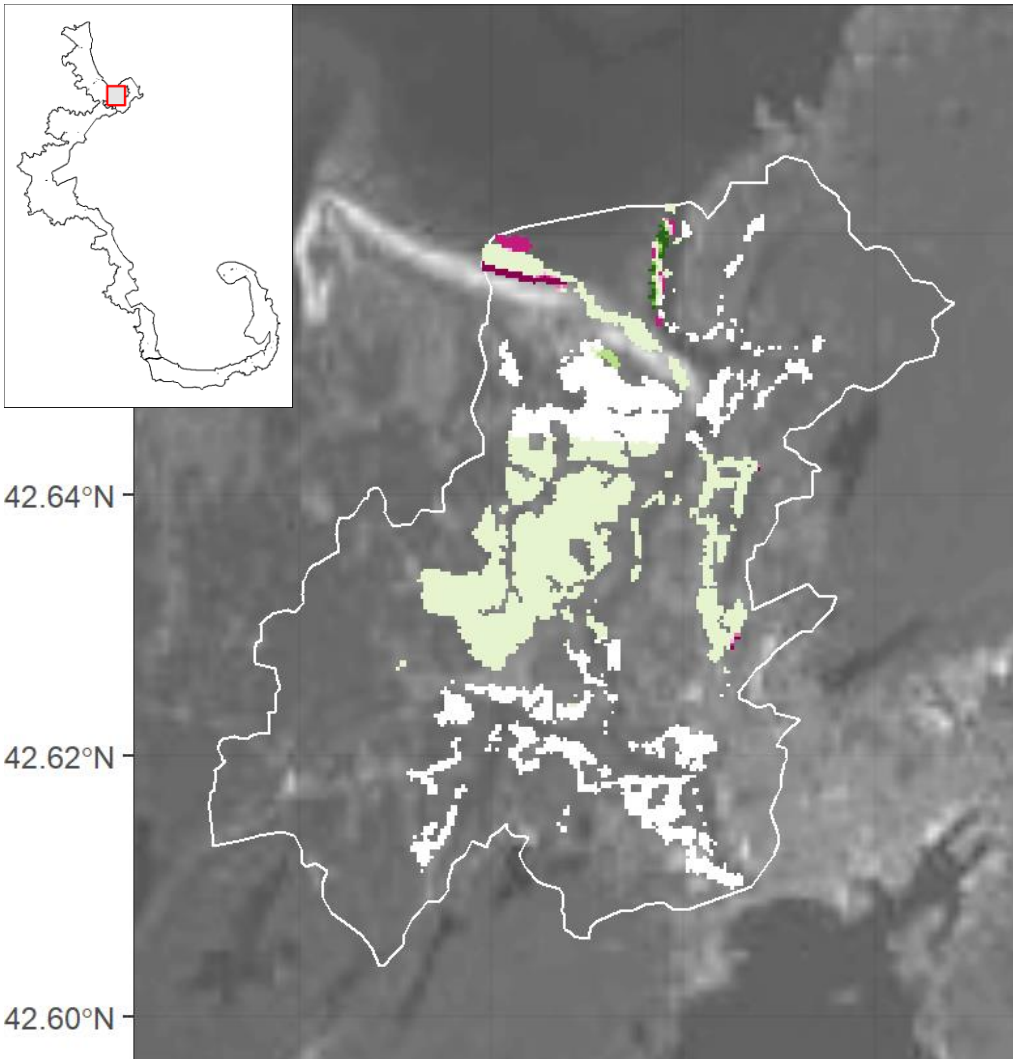
70.72°W 70.70°W 70.68°W 70.66°W

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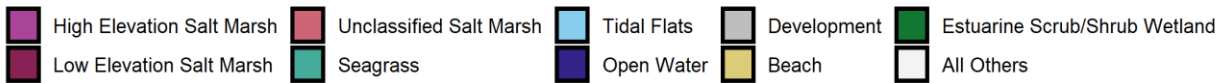
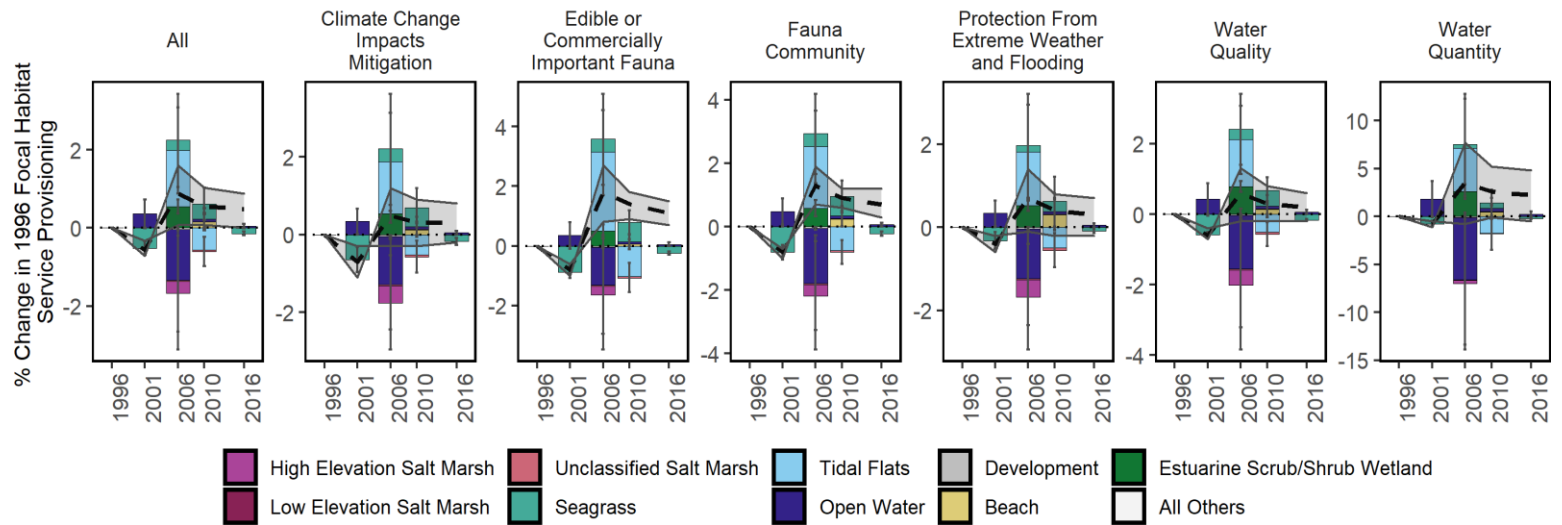
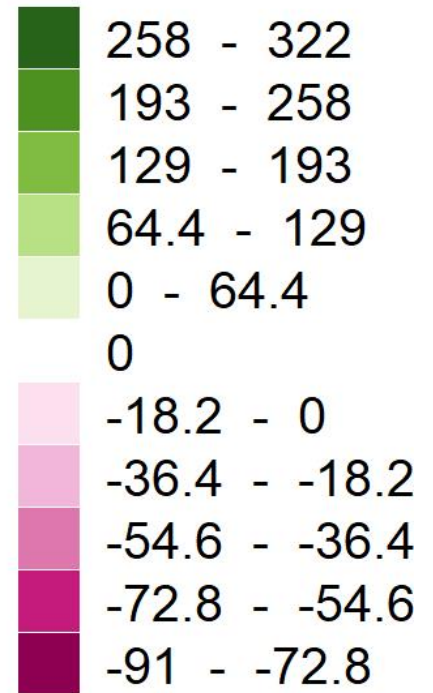


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	4,226.9	355.2	60.7	95.7	172.8	4.9	21.2
Percent Focal	1,189.9	100.0	17.1	26.9	48.7	1.4	6.0
Percent All	100.0	8.4	1.4	2.3	4.1	0.1	0.5

Annisquam River - Change 1996-2016

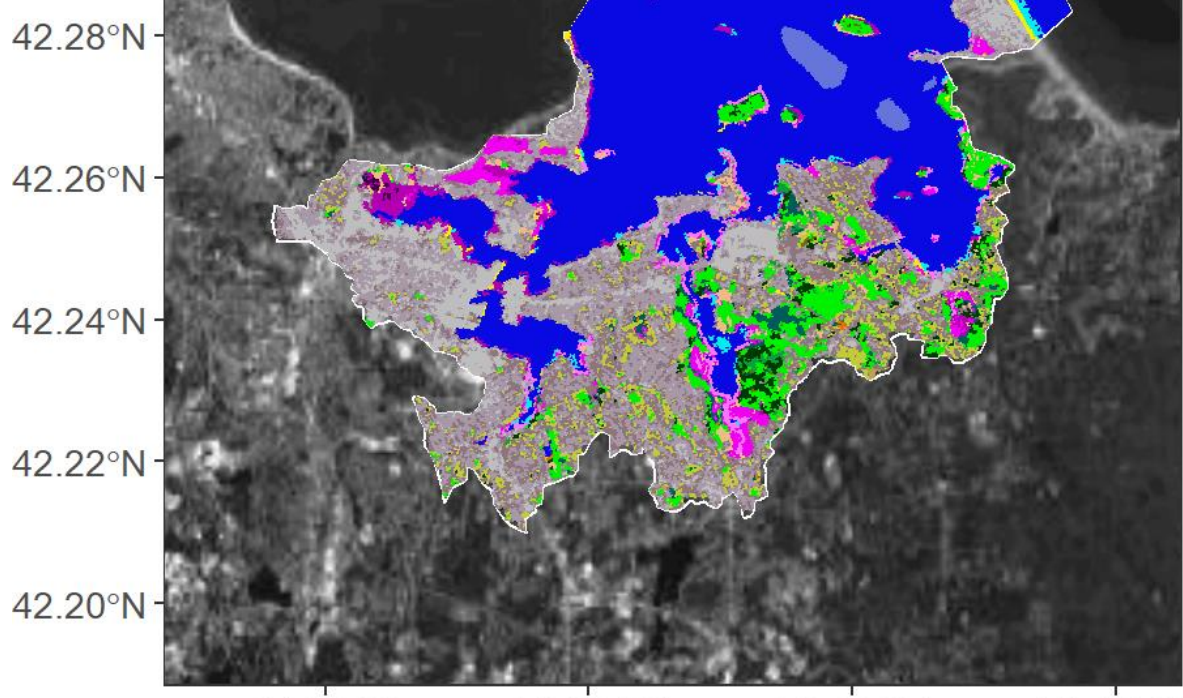


% Change

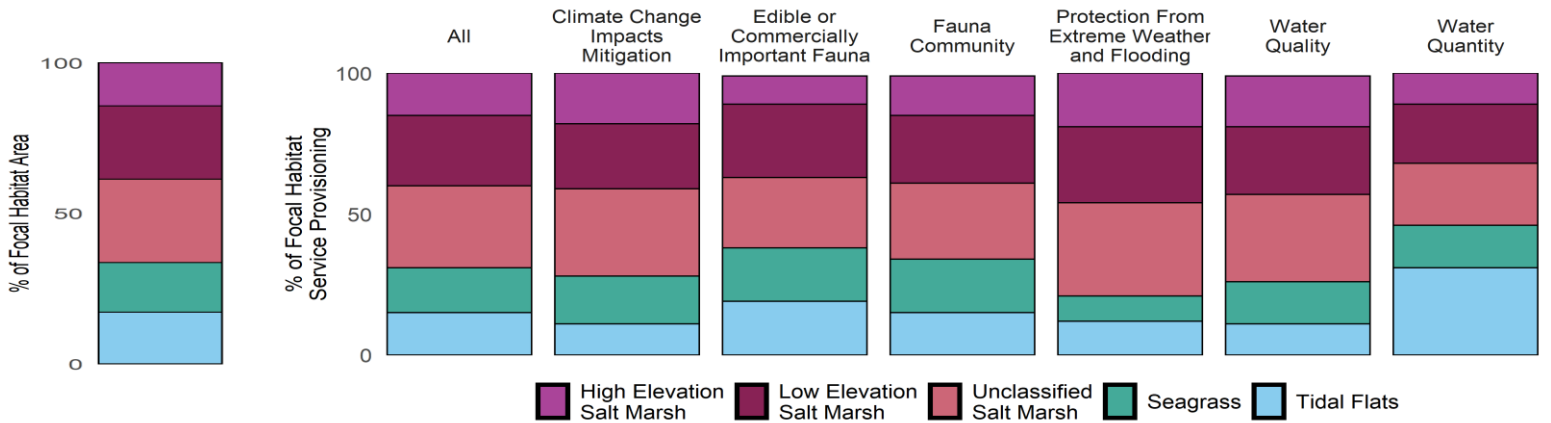


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Tidal Flats	Beach	-2.9	-0.7	0.2	-0.7
Seagrass	Open Water	-2.2	0.0	0.1	0.0
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-1.5	-0.4	0.7	-0.4
Unclassified Salt Marsh	Development	-0.4	-0.1	0.0	-0.1
High Elev. Salt Marsh	All Others	0.2	0.0	0.0	0.0
Tidal Flats	Open Water	7.7	1.8	-1.2	1.8

Back River / Fore River / Hingham Bay - 1996

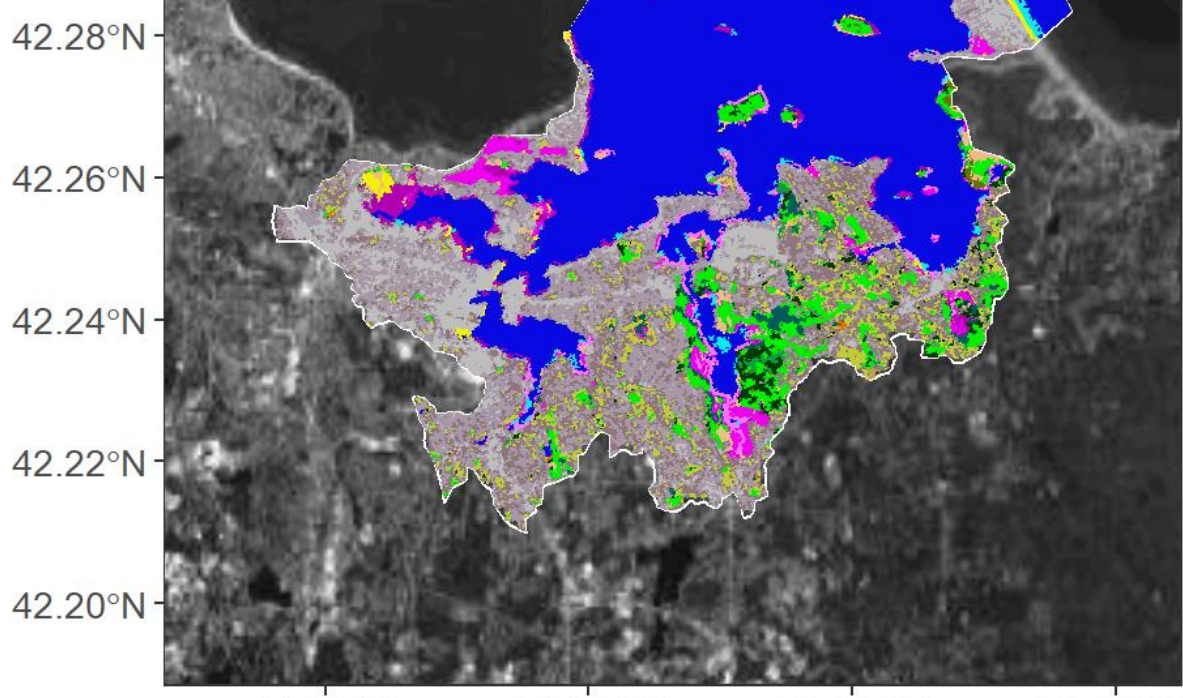


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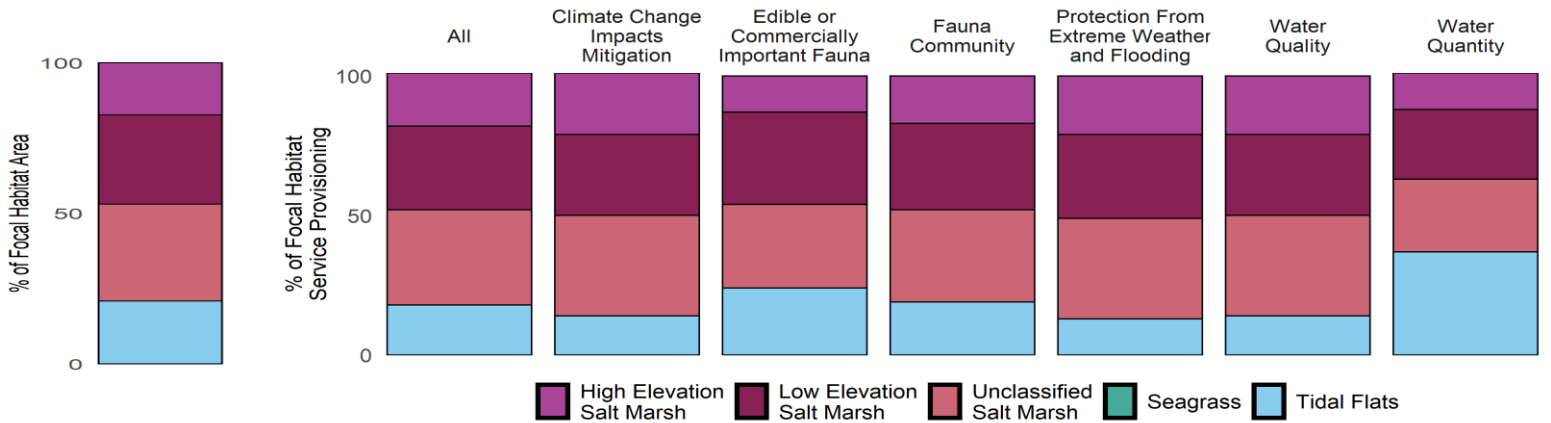


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	14,163.6	445.2	63.7	108.2	123.4	73.3	76.7
Percent Focal	3,181.0	100.0	14.3	24.3	27.7	16.5	17.2
Percent All	100.0	3.1	0.5	0.8	0.9	0.5	0.5

Back River / Fore River / Hingham Bay - 2016

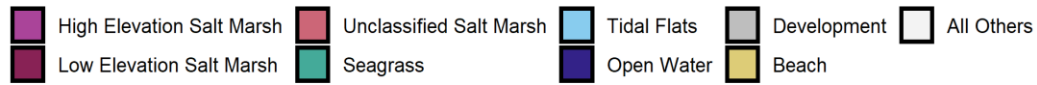
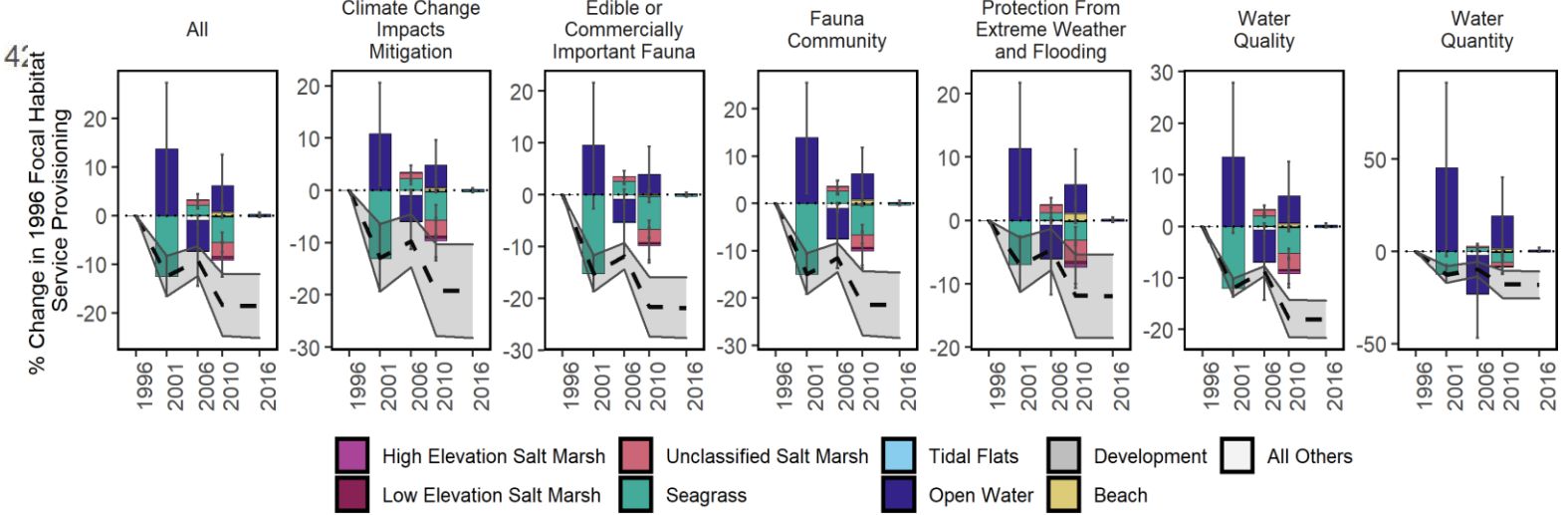
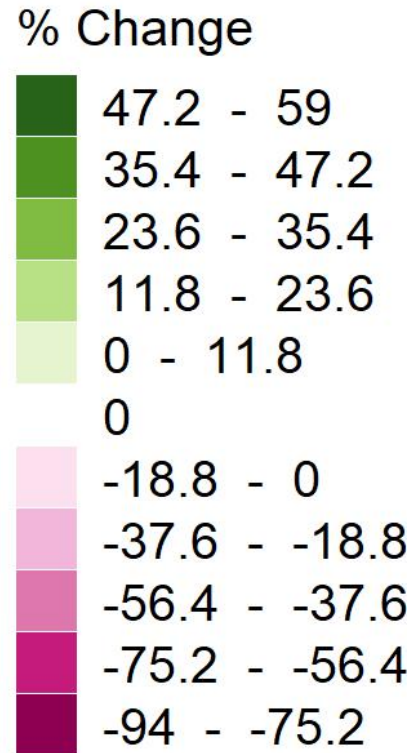
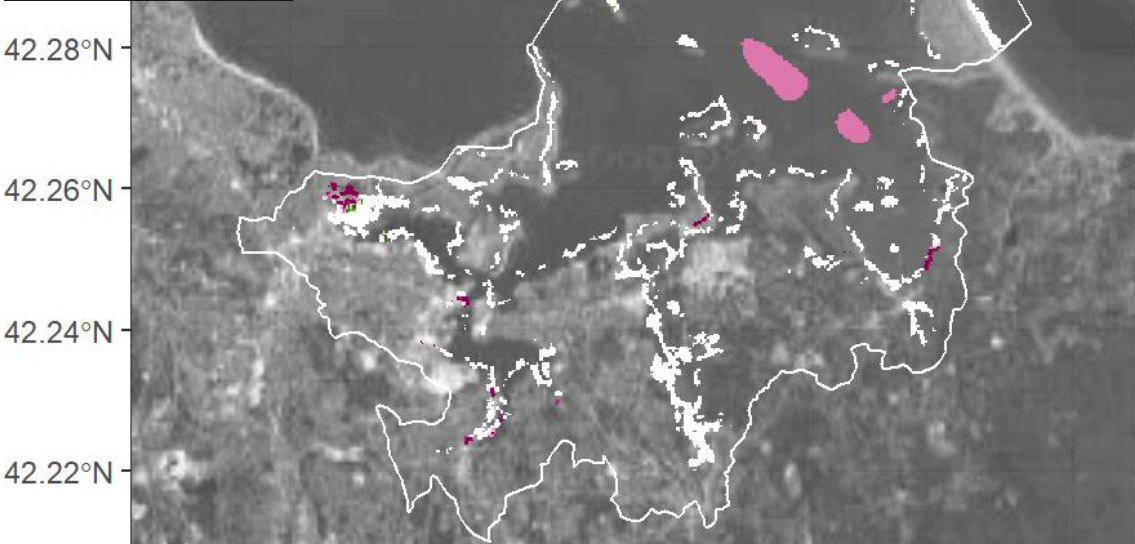


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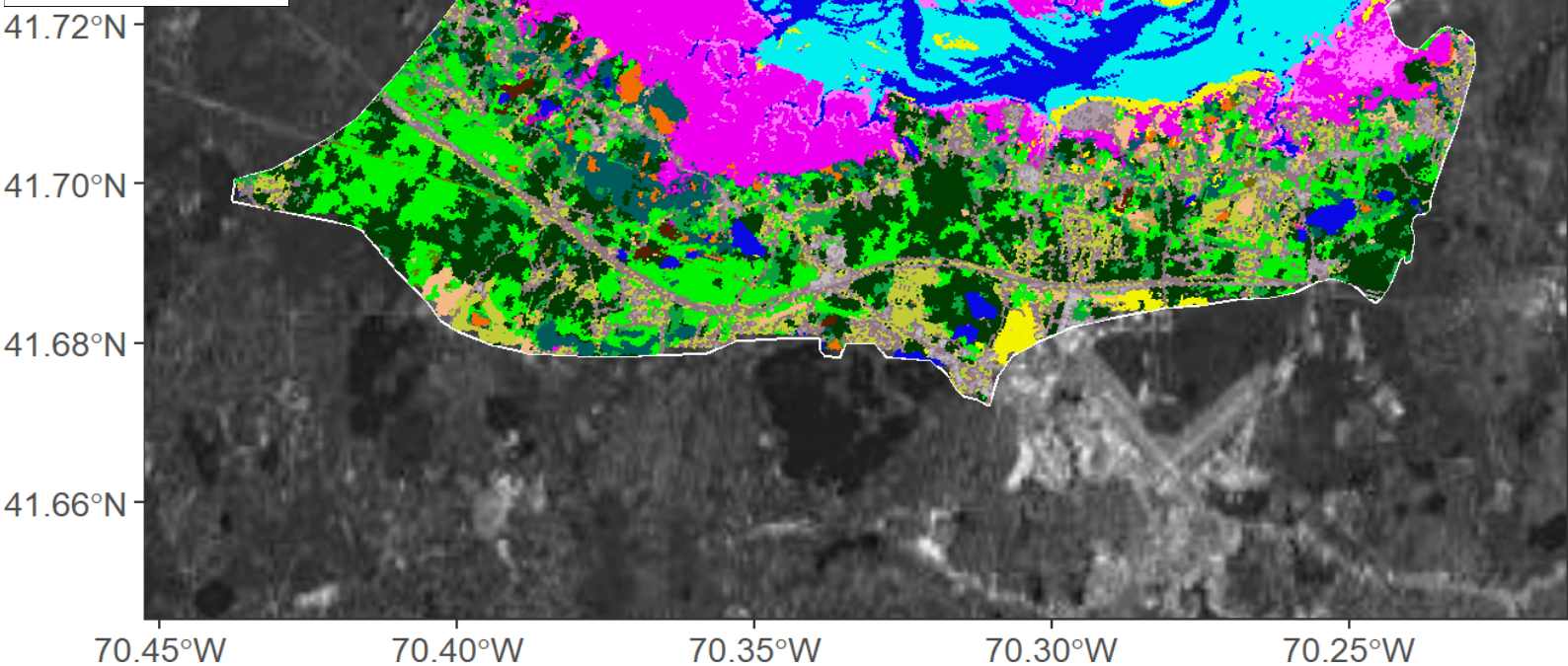
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	14,163.6	359.8	62.3	106.7	115.7	0	75.1
Percent Focal	3,937.1	100.0	17.3	29.6	32.2	0	20.9
Percent All	100.0	2.5	0.4	0.8	0.8	0	0.5

Back River / Fore River / Hingham Bay - Change 1996-2016

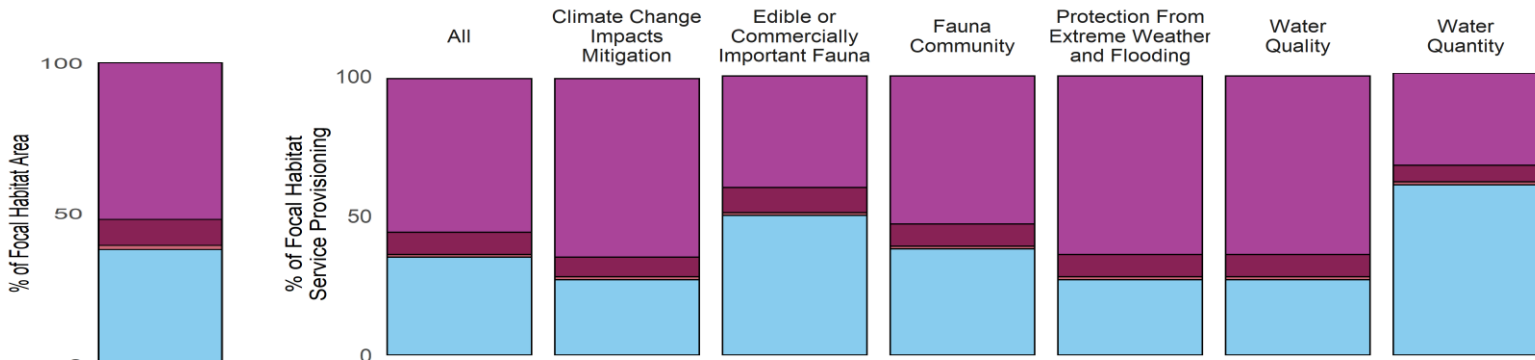


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-73.3	-15.8	16.2	-15.8
Unclassified Salt Marsh	Beach	-7.2	-1.7	0.4	-1.7
Unclassified Salt Marsh	Development	-2.6	-0.6	0.1	-0.6
High Elev. Salt Marsh	Development	-1.8	-0.4	0.1	-0.4
Low Elev. Salt Marsh	Development	-1.8	-0.4	0.1	-0.4
Tidal Flats	Development	-1.4	-0.3	0.0	-0.3
Tidal Flats	Low Elev. Salt Marsh	-0.1	0.0	0.0	0.0
Low Elev. Salt Marsh	Open Water	0.1	0.0	0.0	0.0
Low Elev. Salt Marsh	All Others	0.1	0.0	0.0	0.0
Unclassified Salt Marsh	Open Water	0.4	0.1	-3.0	0.1
High Elev. Salt Marsh	All Others	0.4	0.1	-0.1	0.1
Unclassified Salt Marsh	All Others	1.7	0.4	-0.3	0.4

Barnstable Harbor - 1996

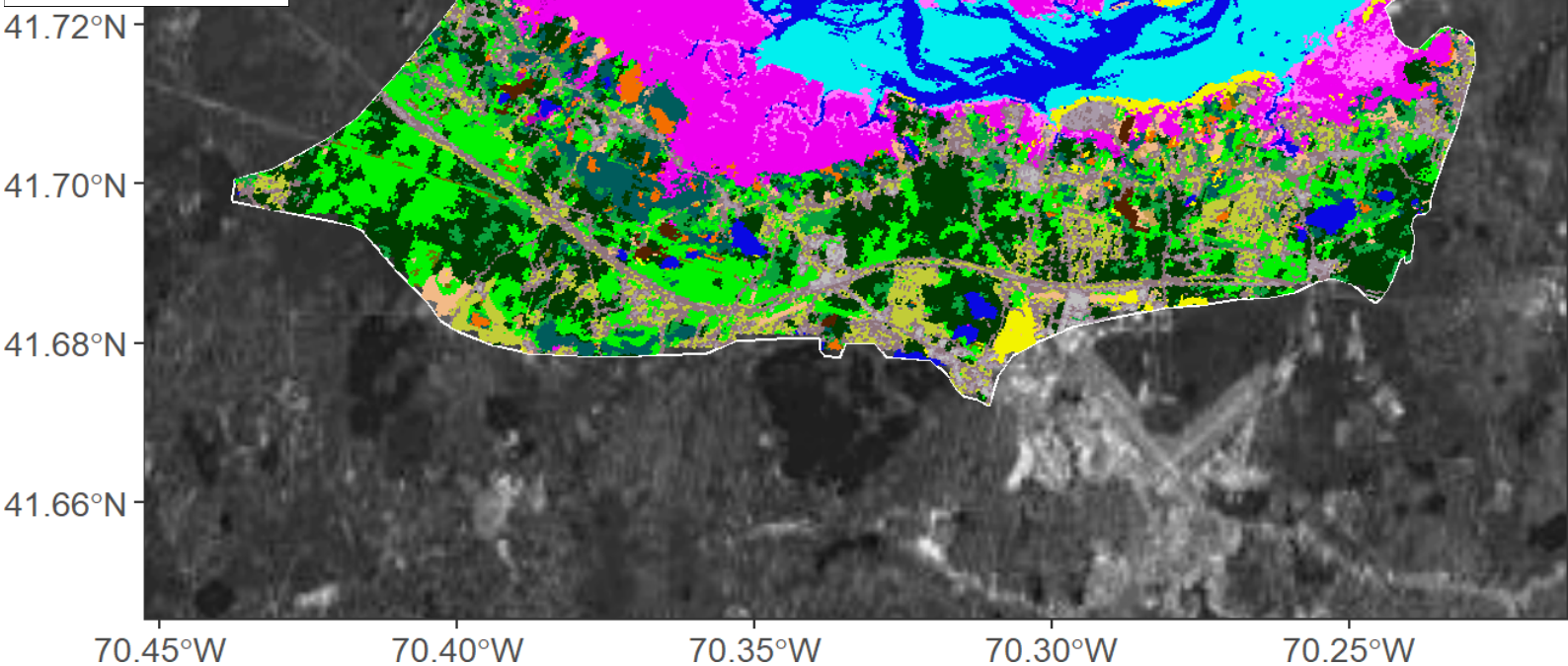


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- Pasture/Hay

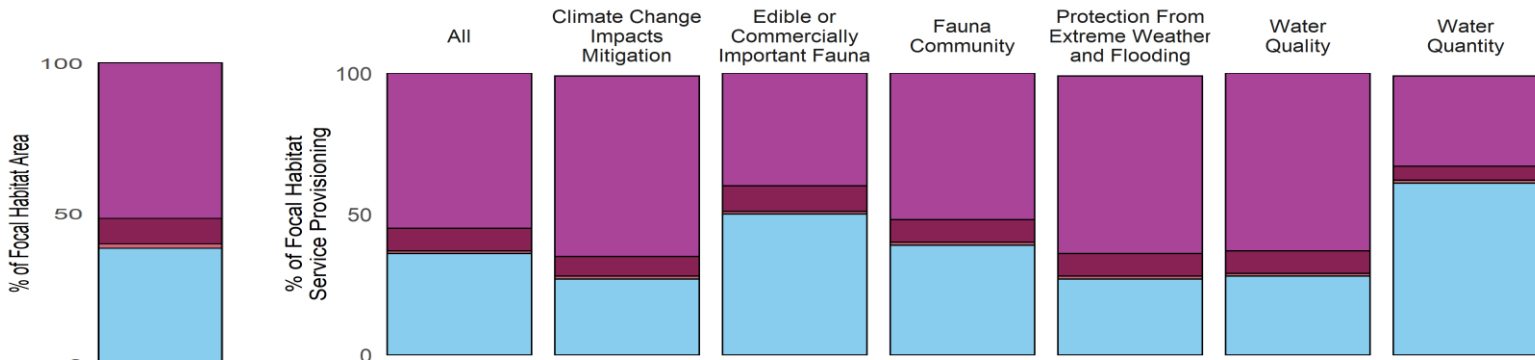


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	16,204.2	2,602.9	1,354.0	224.2	35.2	0	989.4
Percent Focal	622.5	100.0	52.0	8.6	1.4	0	38.0
Percent All	100.0	16.1	8.4	1.4	0.2	0	6.1

Barnstable Harbor - 2016

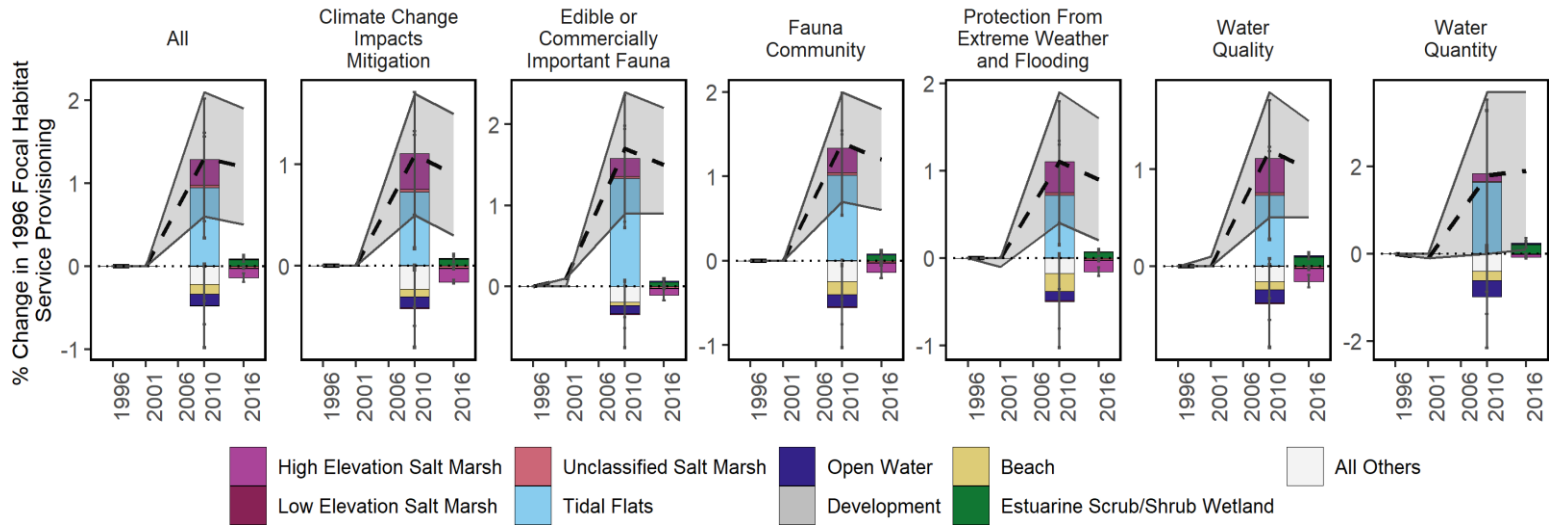
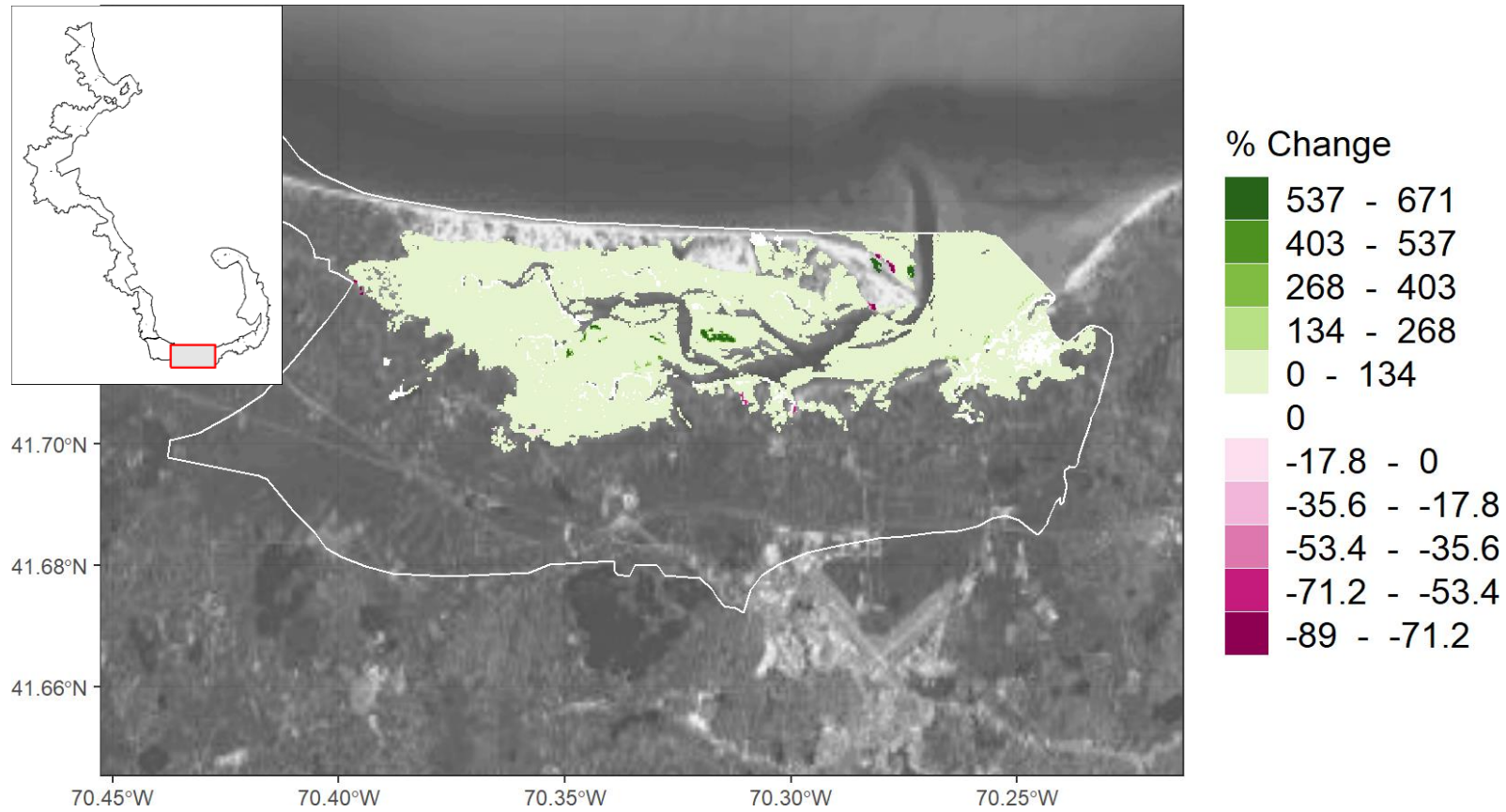


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- Seagrass



Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	16,204.2	2,628.3	1,358.0	223.8	35.5	0	1,011.0
Percent Focal	616.5	100.0	51.7	8.5	1.4	0	38.5
Percent All	100.0	16.2	8.4	1.4	0.2	0	6.2

Barnstable Harbor - Change 1996-2016

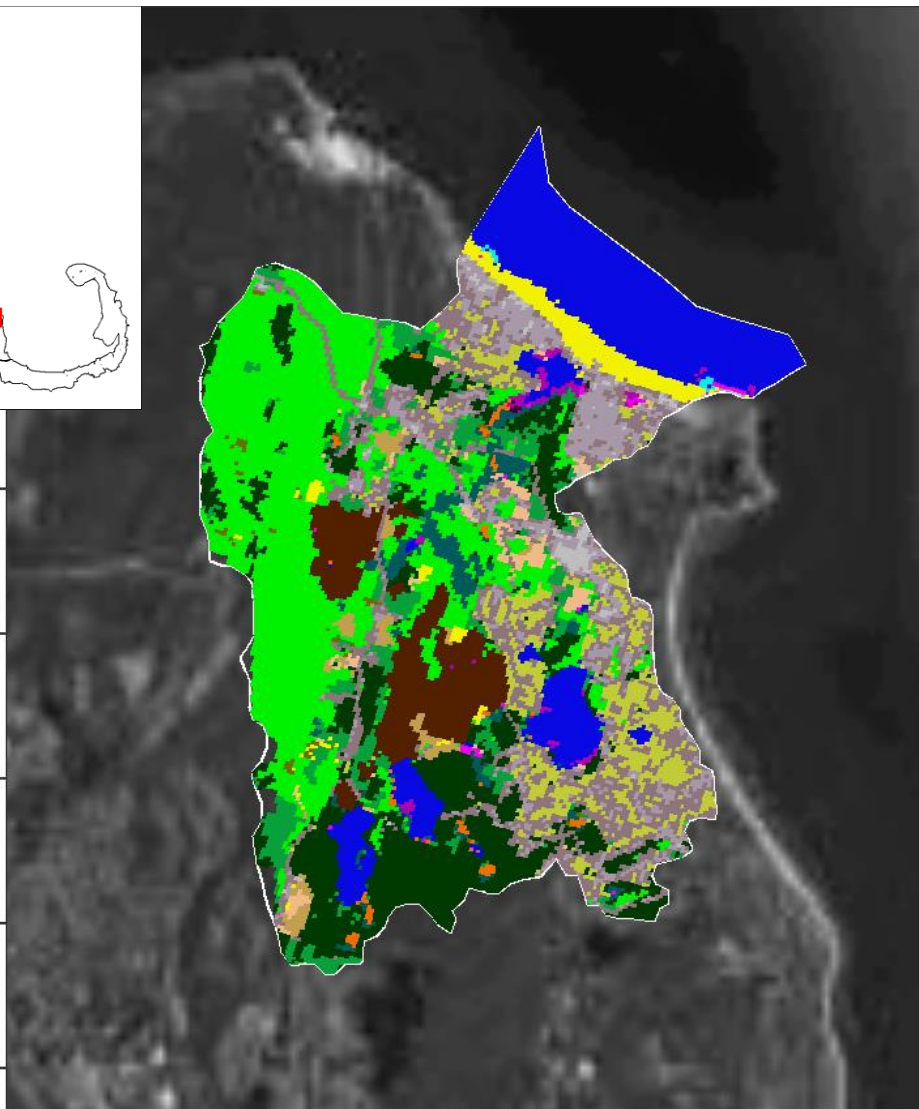


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Development	-1.3	-0.1	0.0	-0.1
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.9	0.0	0.0	0.0
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.4	0.0	0.0	0.0
Low Elev. Salt Marsh	Tidal Flats	-0.4	0.0	0.0	0.0
Unclassified Salt Marsh	Development	-0.3	0.0	0.0	0.0
High Elev. Salt Marsh	Open Water	-0.3	0.0	0.0	0.0
Low Elev. Salt Marsh	Open Water	-0.2	0.0	0.0	0.0
Low Elev. Salt Marsh	Beach	0.2	0.0	0.0	0.0
Tidal Flats	All Others	0.8	0.0	0.0	0.0
Unclassified Salt Marsh	All Others	1.0	0.0	0.0	0.0
Tidal Flats	Open Water	6.3	0.3	-0.1	0.3
High Elev. Salt Marsh	All Others	6.4	0.3	-0.2	0.3
Tidal Flats	Beach	14.0	0.7	-0.1	0.7

Beaver Dam Brook / Bartlett Pond - 1996

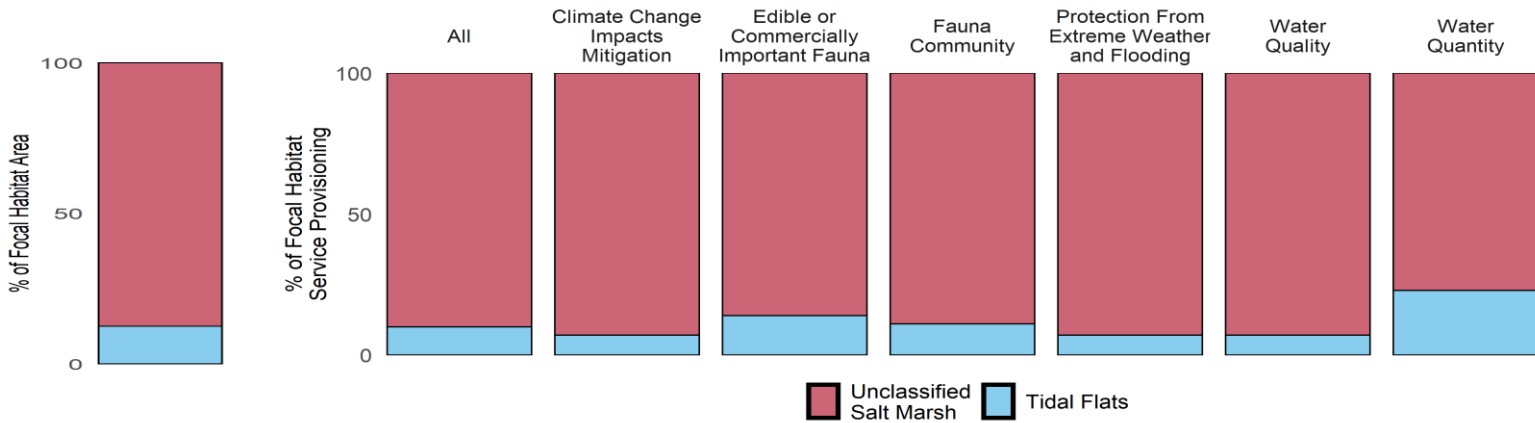


41.92°N
41.91°N
41.90°N
41.89°N
41.88°N



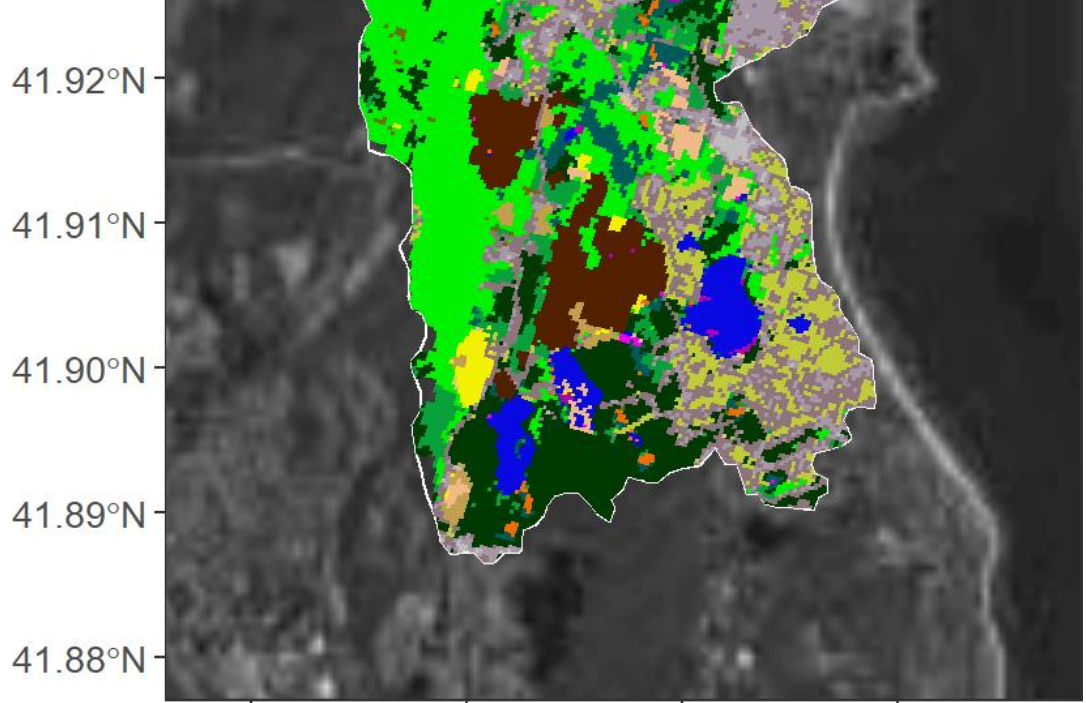
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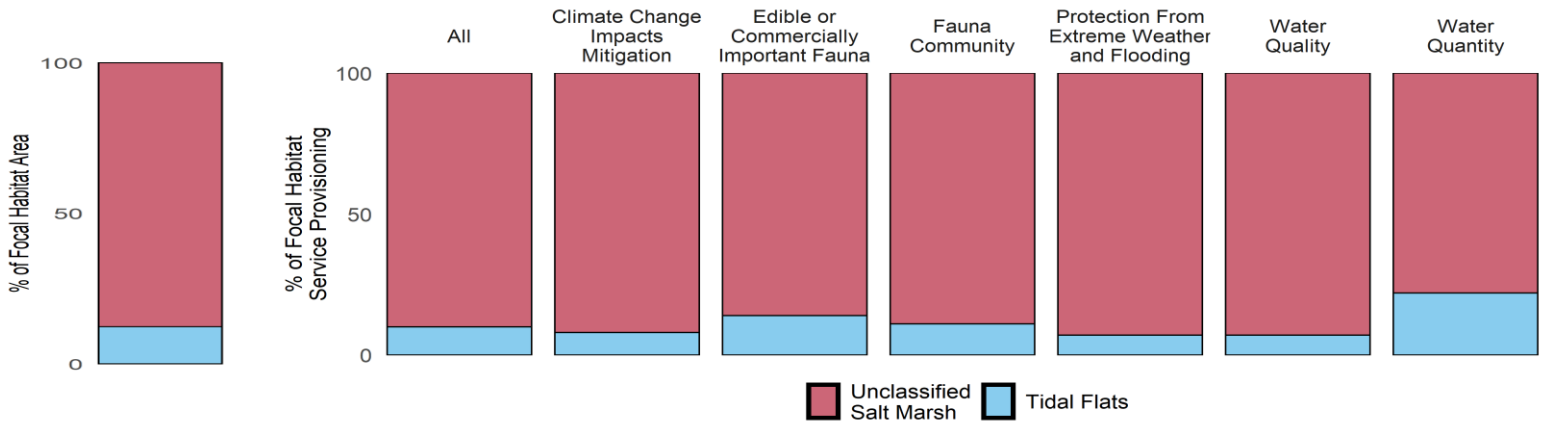


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,055.2	11.5	0	0	10.1	0	1.4
Percent Focal	26,520.8	100.0	0	0	87.5	0	12.5
Percent All	100.0	0.4	0	0	0.3	0	0.0

Beaver Dam Brook / Bartlett Pond - 2016

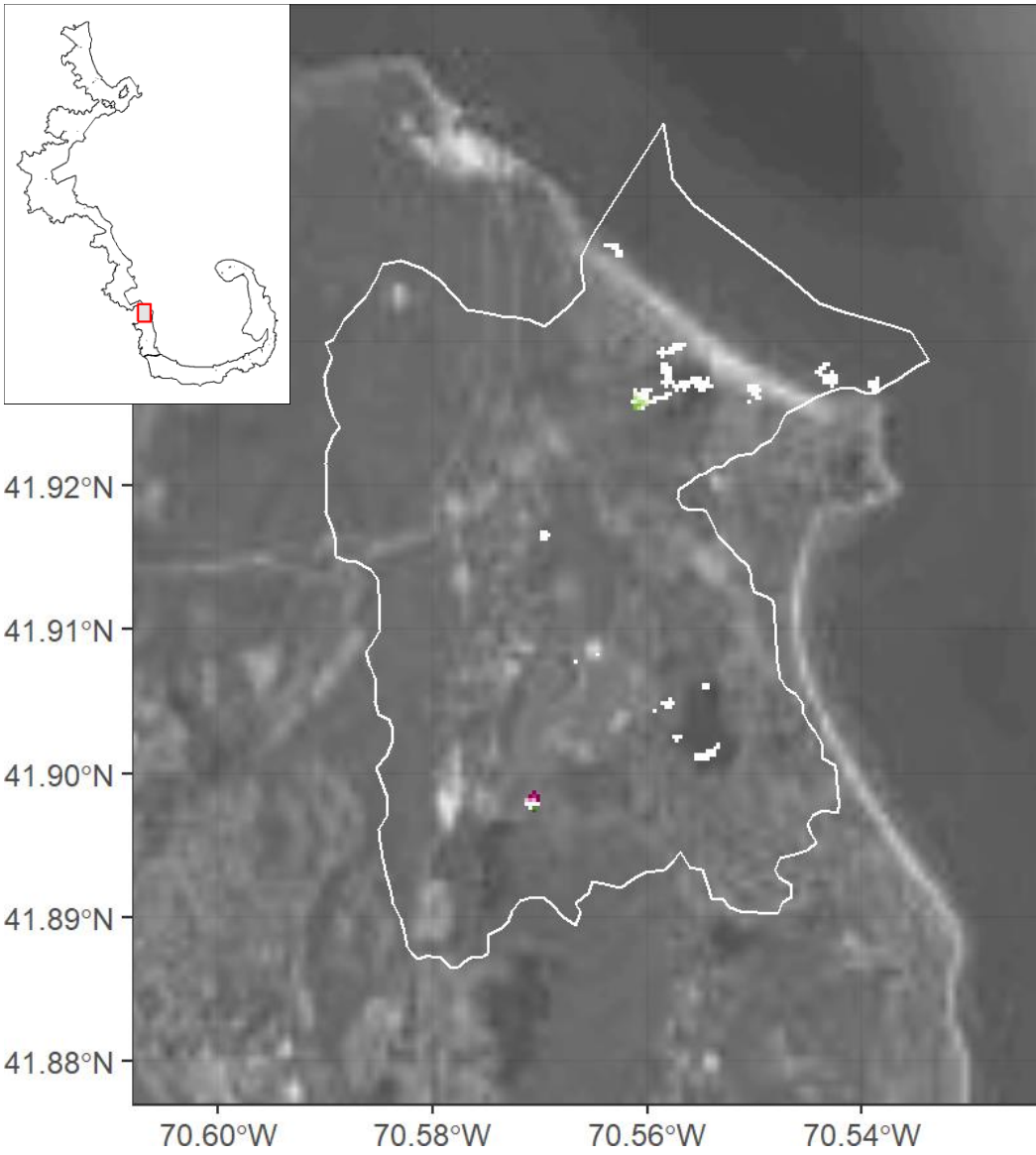


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- Palustrine Aquatic Bed
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- Low Elevation Saltmarsh
- Seagrass

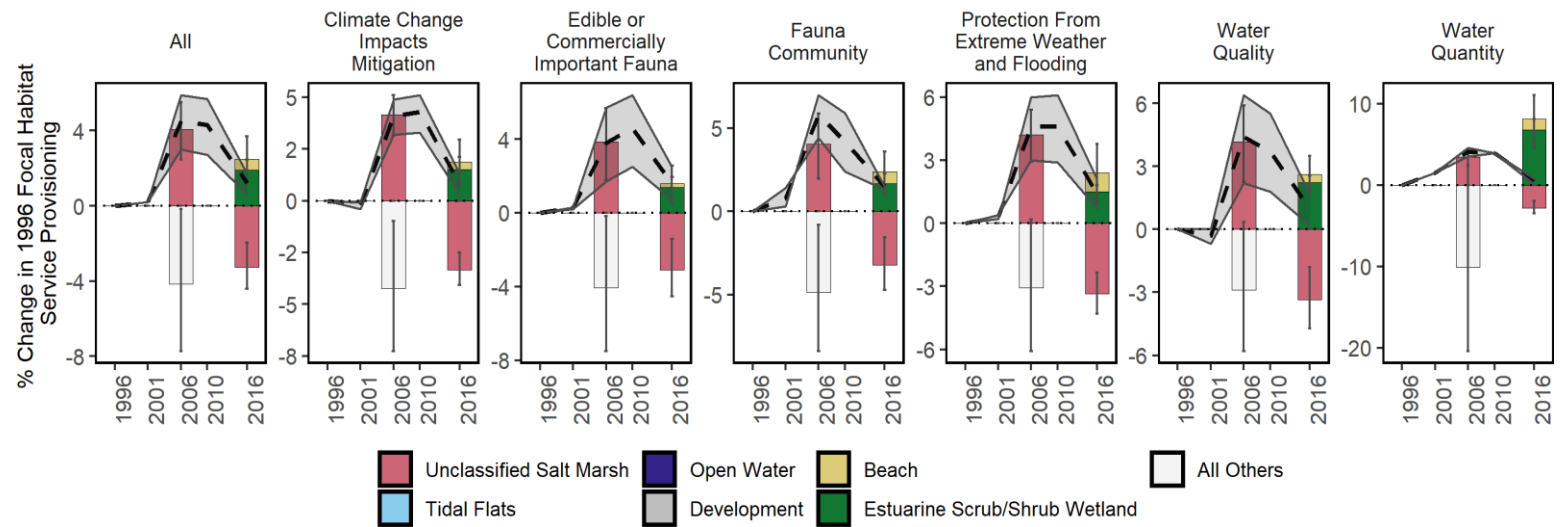
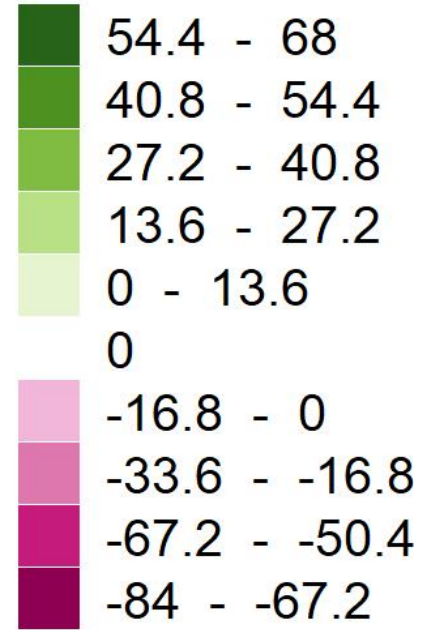


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,055.2	11.6	0	0	10.2	0	1.4
Percent Focal	26,315.3	100.0	0	0	87.6	0	12.4
Percent All	100.0	0.4	0	0	0.3	0	0.0

Beaver Dam Brook / Bartlett Pond - Change 1996-2016

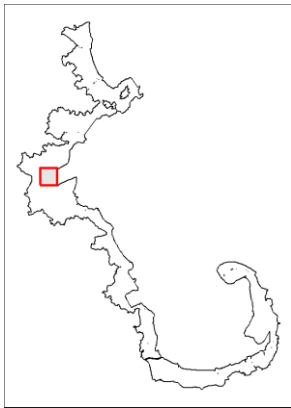


% Change

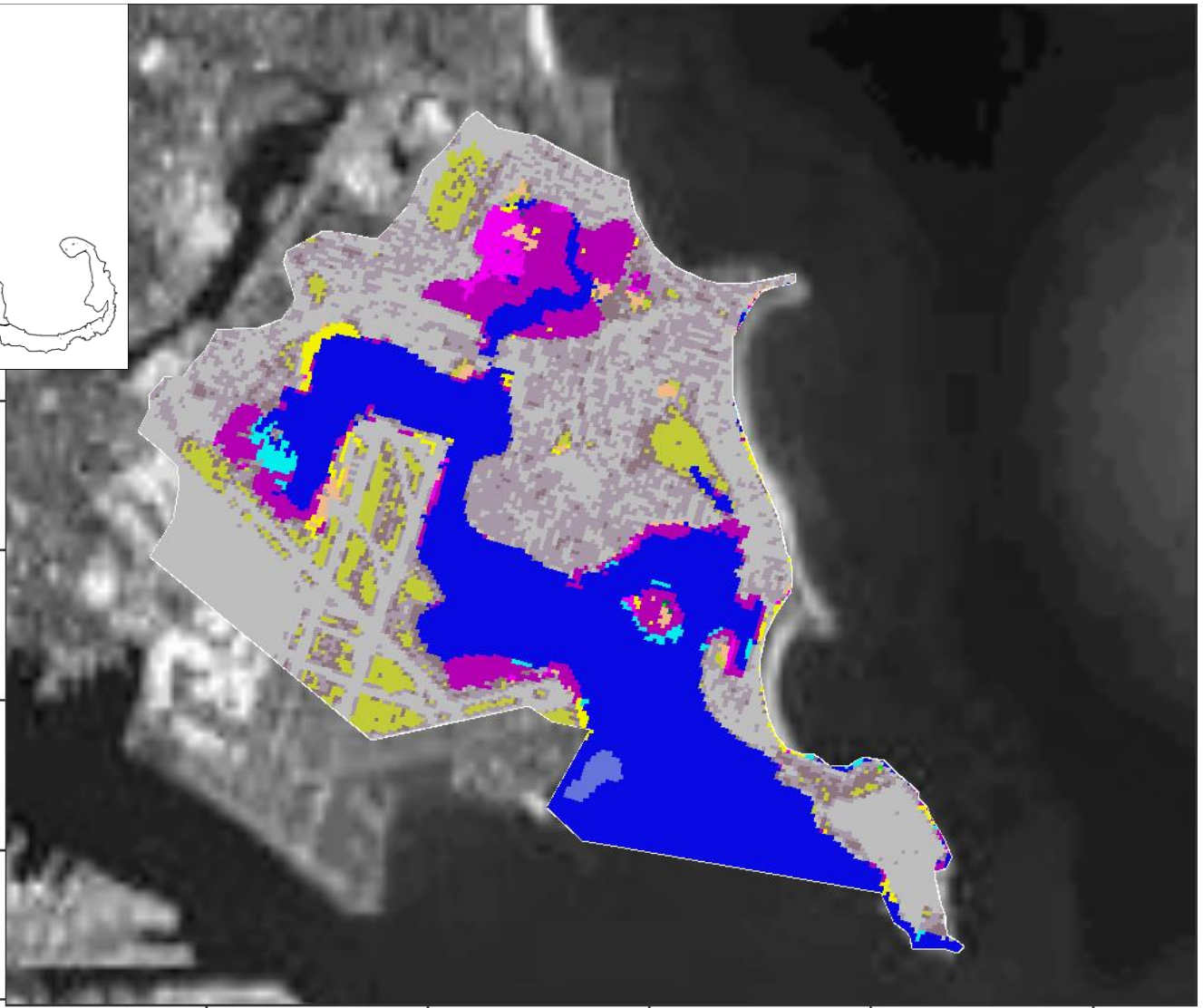


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Beach	-0.3	-2.4	0.6	-2.4
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.1	-0.8	1.9	-0.8
Unclassified Salt Marsh	All Others	0.4	4.1	-4.1	4.1

Belle Isle Creek / Winthrop Bay - 1996

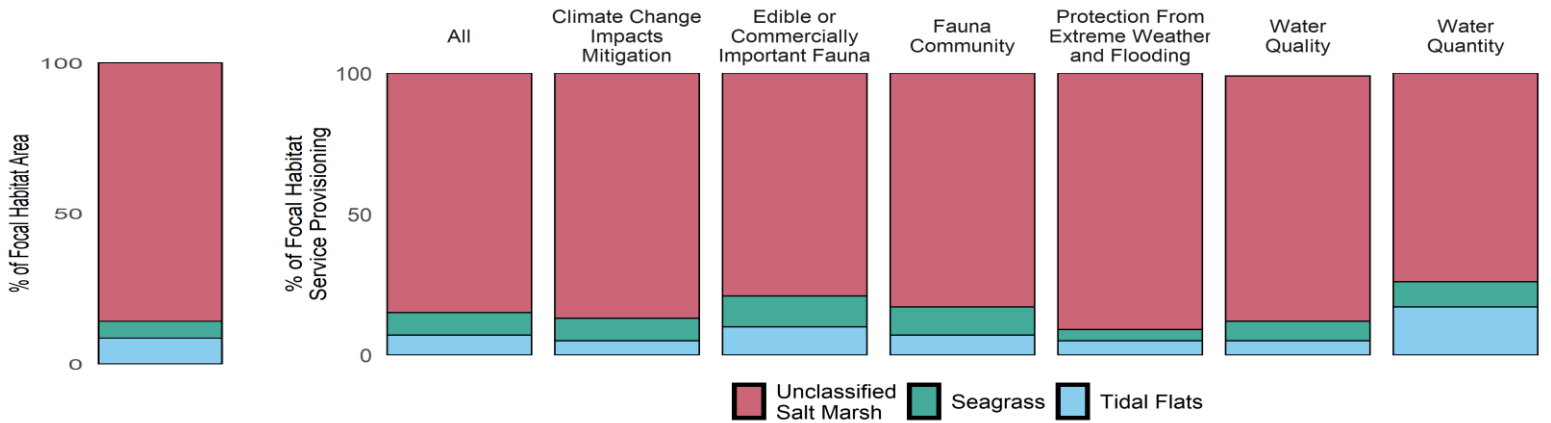


42.38°N
42.37°N
42.36°N
42.35°N
42.34°N



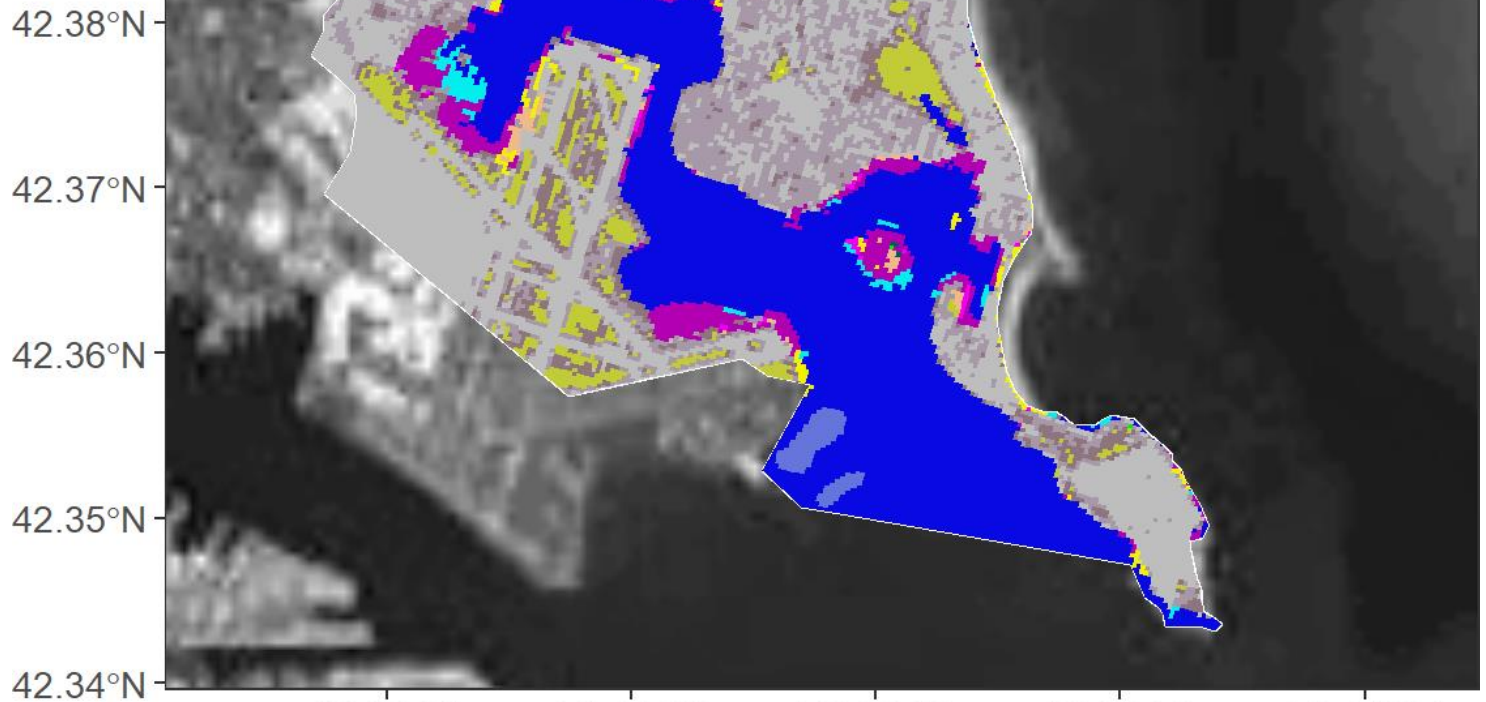
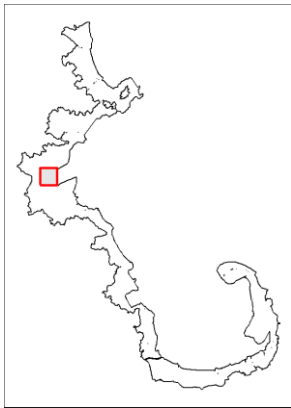
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- Low Elevation Saltmarsh
- Seagrass

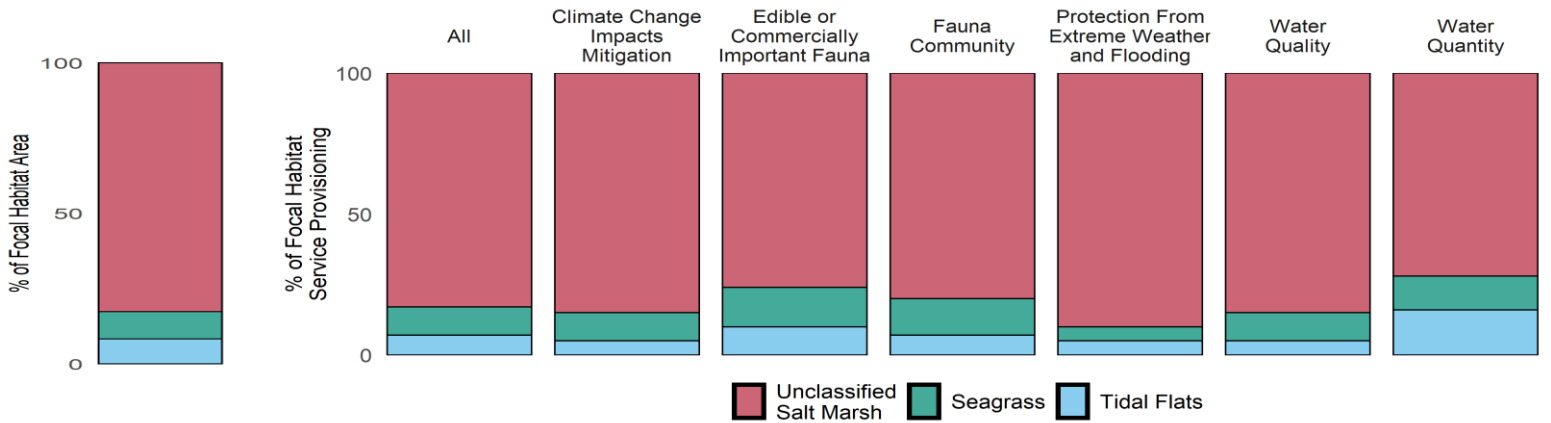


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,316.2	150.2	0	0	128.9	8.4	13.0
Percent Focal	2,207.1	100.0	0	0	85.8	5.6	8.6
Percent All	100.0	4.5	0	0	3.9	0.3	0.4

Belle Isle Creek / Winthrop Bay - 2016



- | | | | |
|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

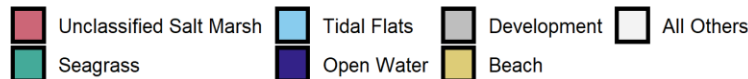
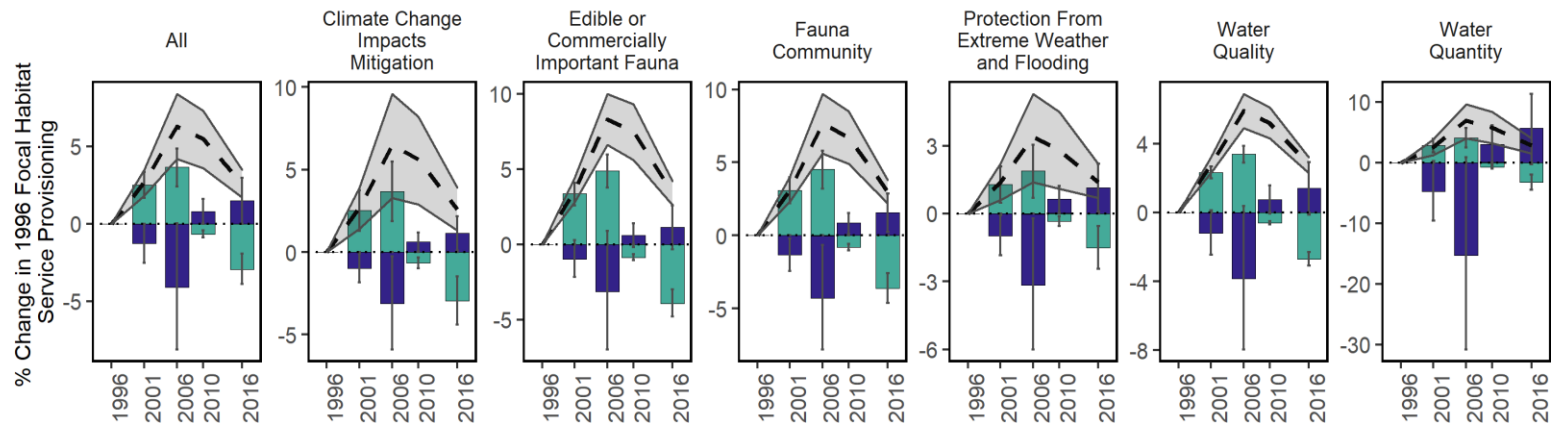
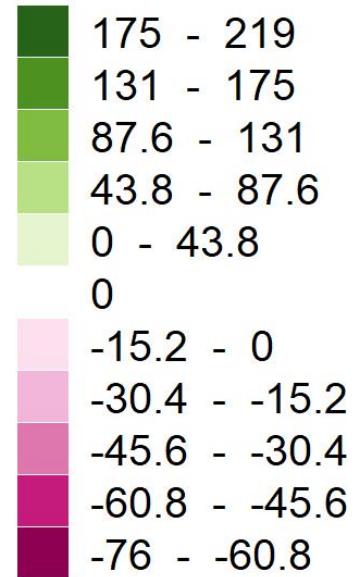


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,316.2	156.0	0	0	128.9	14.1	13.0
Percent Focal	2,125.6	100.0	0	0	82.6	9.1	8.3
Percent All	100.0	4.7	0	0	3.9	0.4	0.4

Belle Isle Creek / Winthrop Bay - Change 1996-2016

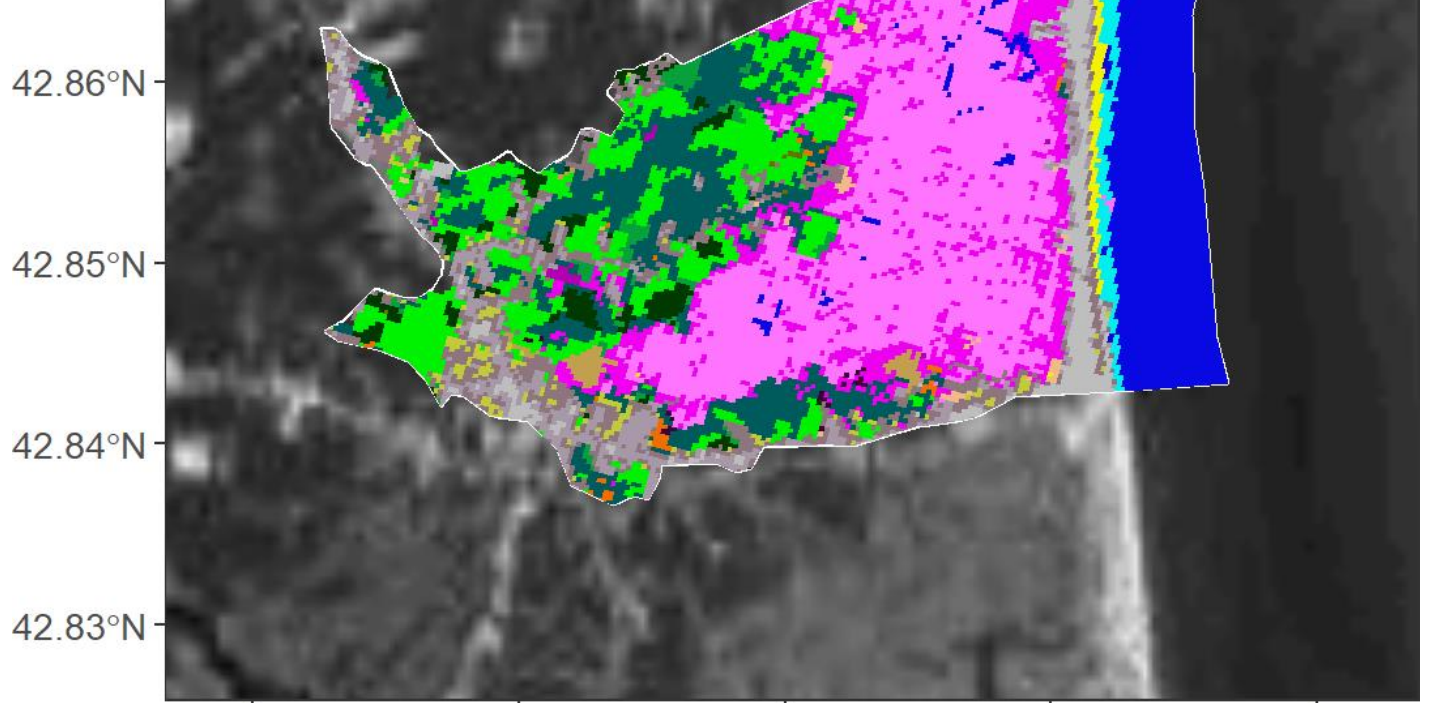


% Change

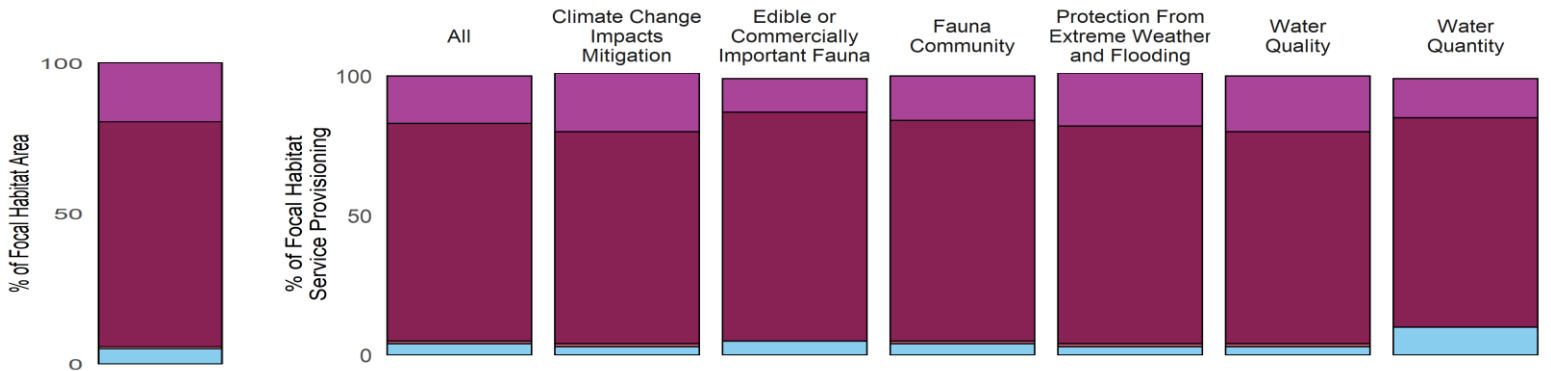


Focal Habitat	Conversion Habitat	Area Converted (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	5.8	2.6	-3	2.6

Black Rock Creek - 1996



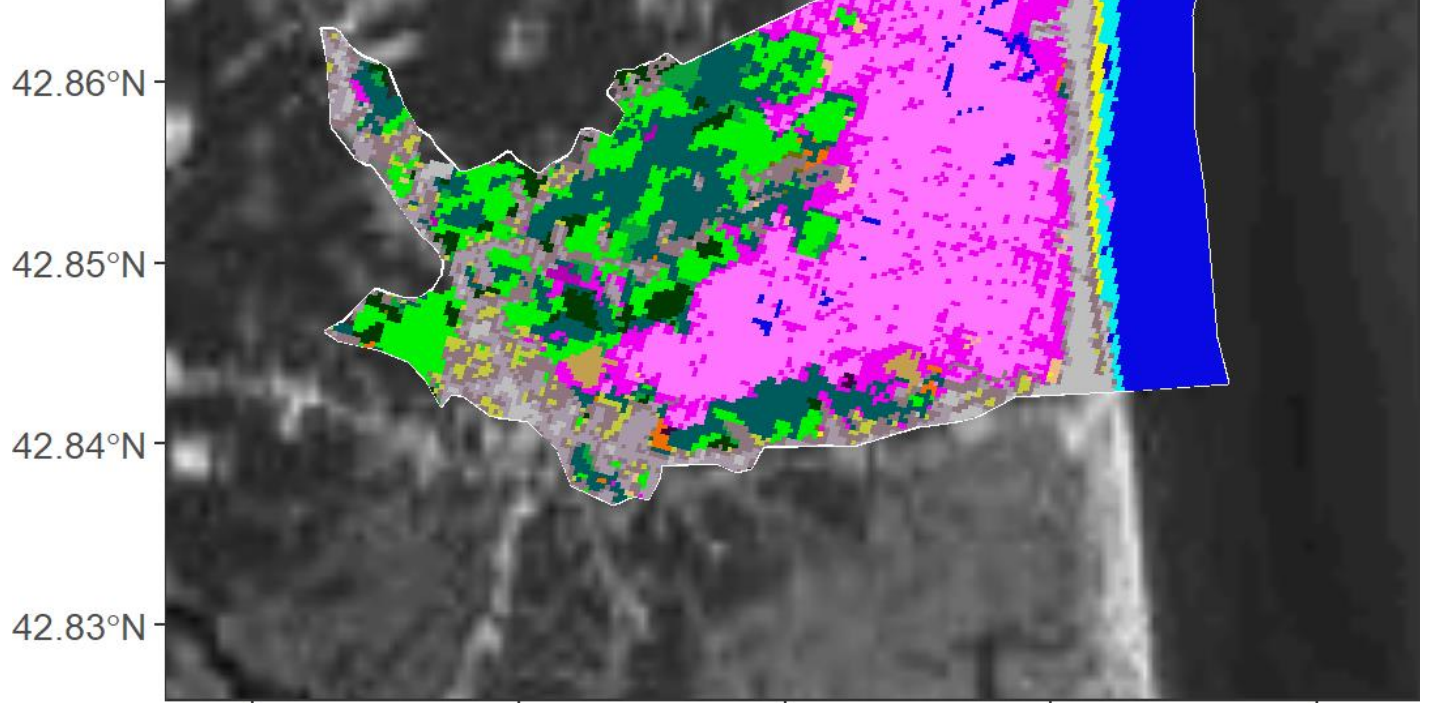
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| <ul style="list-style-type: none"> Developed, High Intensity Developed, Medium Intensity Developed, Low Intensity Developed, Open Space Cultivated Crops Pasture/Hay | <ul style="list-style-type: none"> Grassland/Herbaceous Deciduous Forest Evergreen Forest Mixed Forest Scrub/Shrub Palustrine Forested Wetland | <ul style="list-style-type: none"> Palustrine Scrub/Shrub Wetland Palustrine Emergent Wetland Estuarine Forested Wetland Estuarine Scrub/Shrub Wetland Unclassified Saltmarsh Low Elevation Saltmarsh | <ul style="list-style-type: none"> High Elevation Saltmarsh Tidal Flats Beach Open Water Palustrine Aquatic Bed Seagrass |
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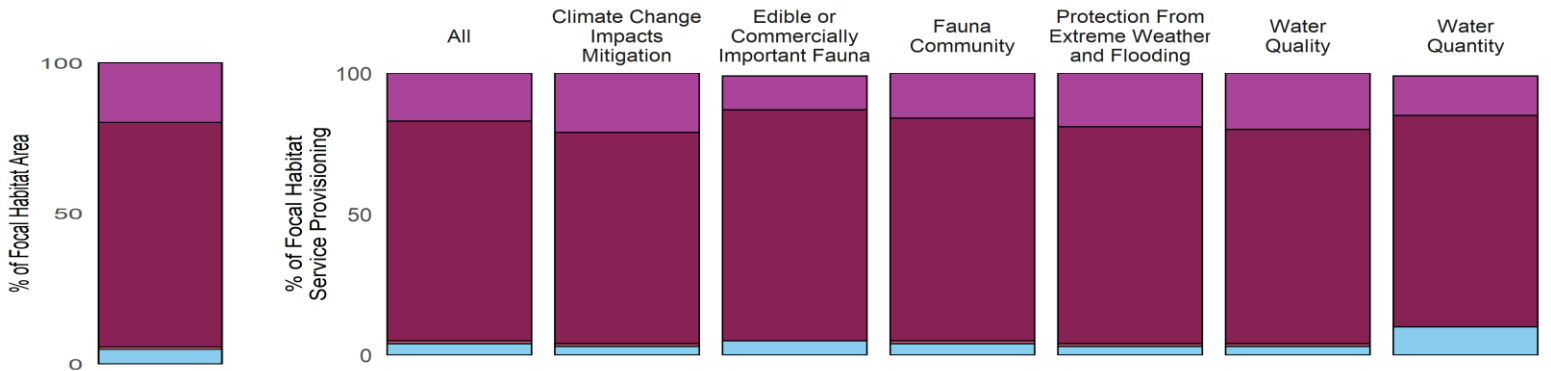
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Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,468	478.3	93.8	357.8	3.1	0	23.7
Percent Focal	516	100.0	19.6	74.8	0.7	0	5.0
Percent All	100	19.4	3.8	14.5	0.1	0	1.0

Black Rock Creek - 2016

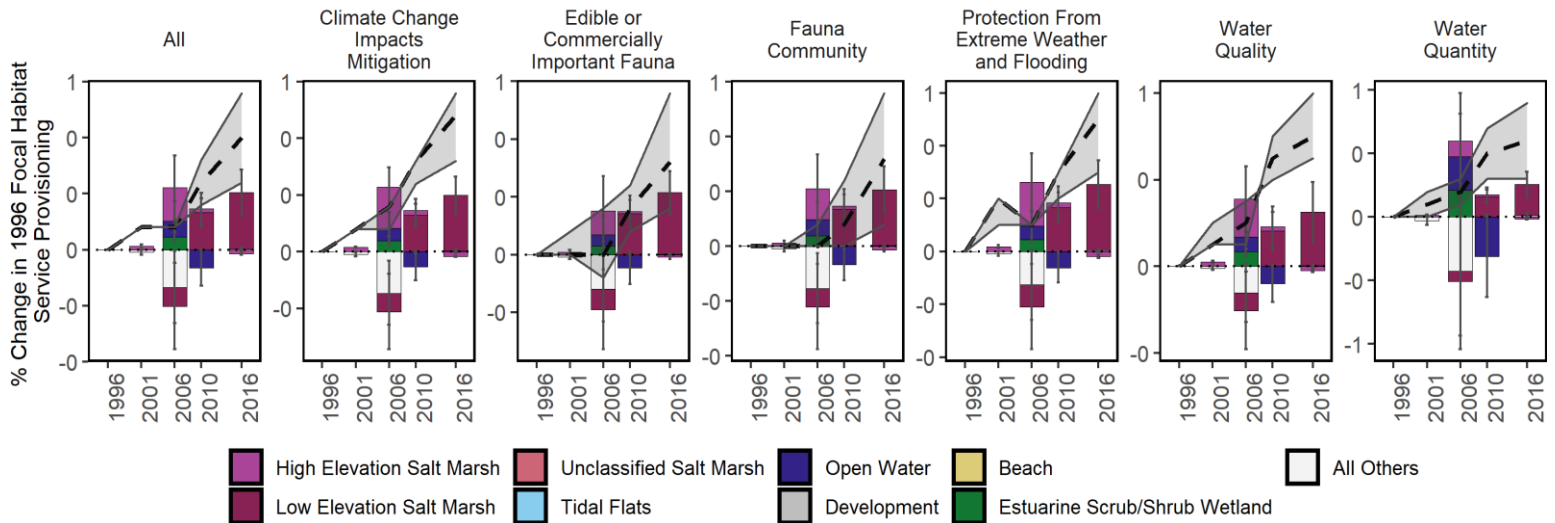
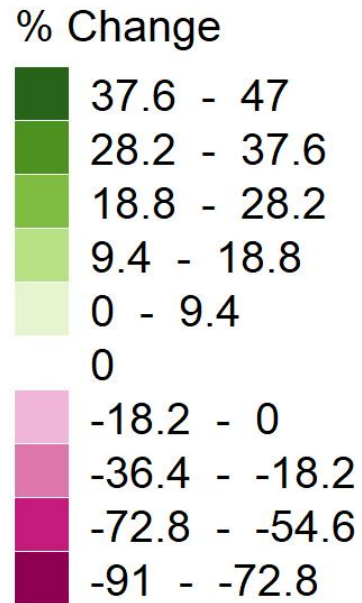
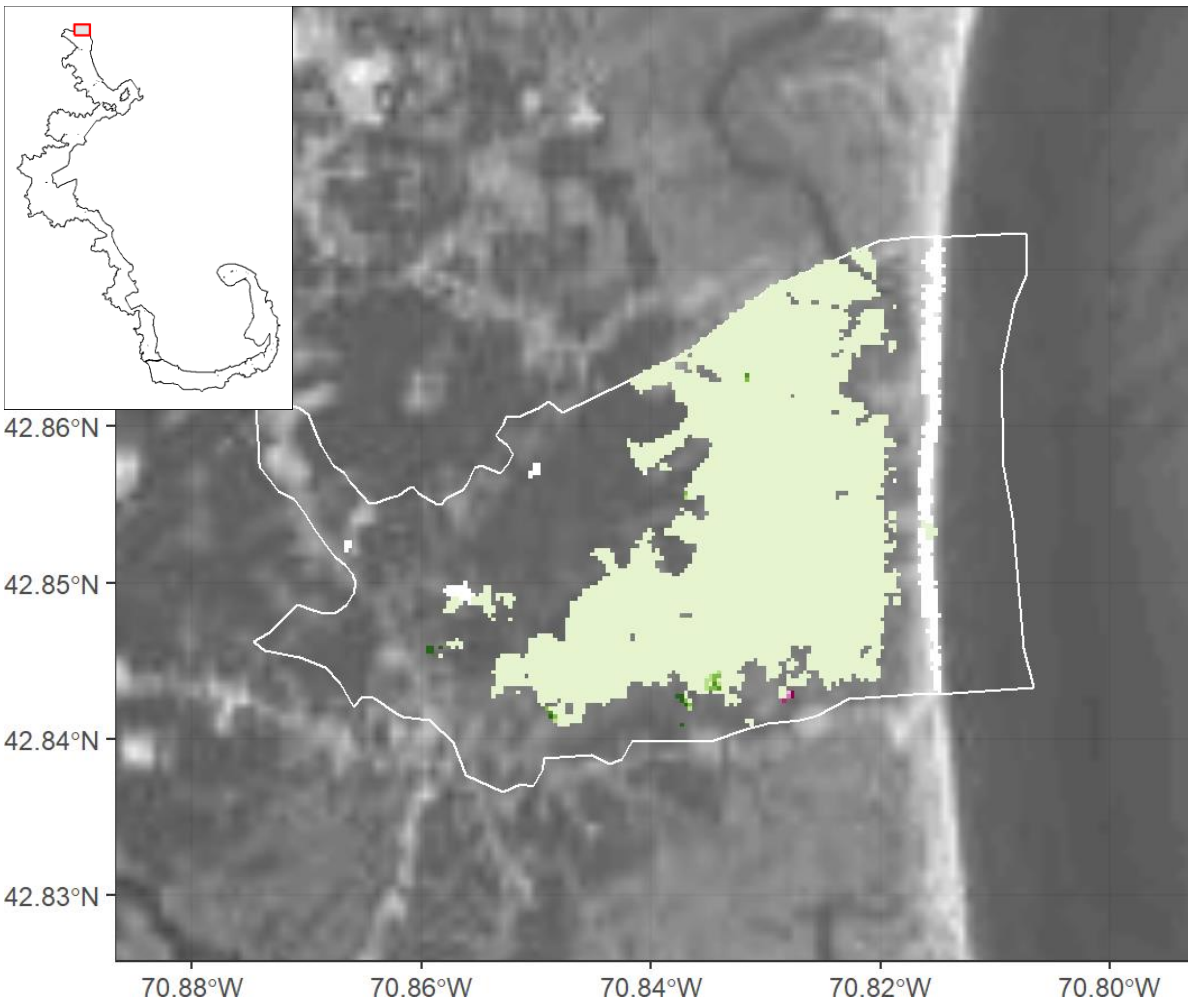


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| <ul style="list-style-type: none"> Developed, High Intensity Developed, Medium Intensity Developed, Low Intensity Developed, Open Space Cultivated Crops Pasture/Hay | <ul style="list-style-type: none"> Grassland/Herbaceous Deciduous Forest Evergreen Forest Mixed Forest Scrub/Shrub Palustrine Forested Wetland | <ul style="list-style-type: none"> Palustrine Scrub/Shrub Wetland Palustrine Emergent Wetland Estuarine Forested Wetland Estuarine Scrub/Shrub Wetland Unclassified Saltmarsh Low Elevation Saltmarsh | <ul style="list-style-type: none"> High Elevation Saltmarsh Tidal Flats Beach Open Water Palustrine Aquatic Bed Seagrass |
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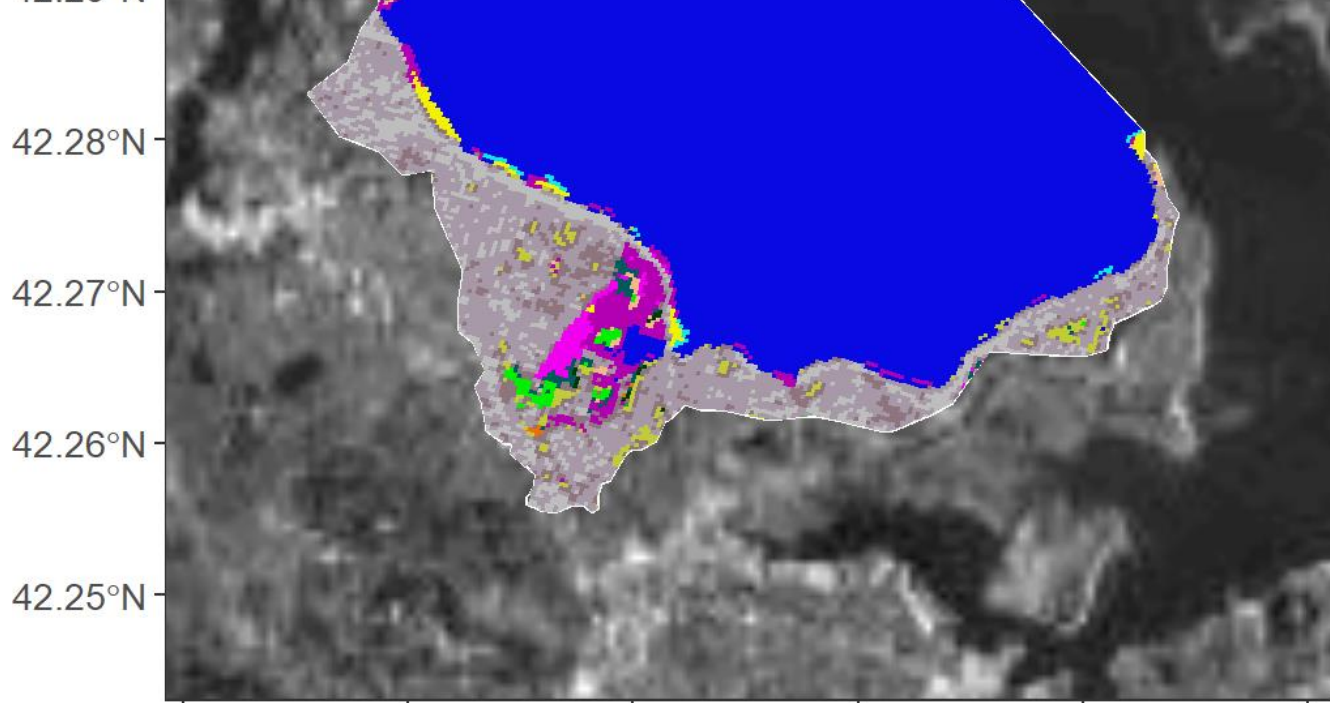
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,468.0	479.4	94.7	357.9	3.1	0	23.7
Percent Focal	514.8	100.0	19.7	74.7	0.7	0	4.9
Percent All	100.0	19.4	3.8	14.5	0.1	0	1.0

Black Rock Creek - Change 1996-2016

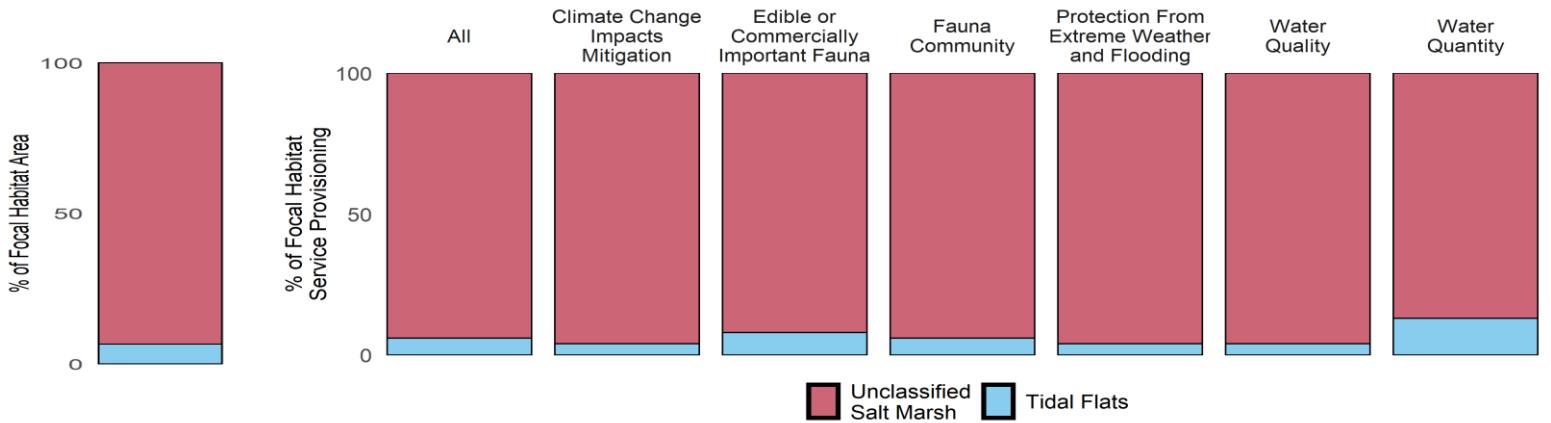


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.2	0.0	0.0	0.0
High Elev. Salt Marsh	Development	-0.1	0.0	0.0	0.0
Low Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.1	-0.2	0.0	-0.2
Low Elev. Salt Marsh	Development	-0.1	-0.2	0.0	-0.2
Low Elev. Salt Marsh	Open Water	0.1	0.2	0.0	0.2
Low Elev. Salt Marsh	All Others	0.3	0.5	0.0	0.5
High Elev. Salt Marsh	All Others	1.2	0.2	-0.1	0.2

Blacks Creek / Quincy Bay - 1996

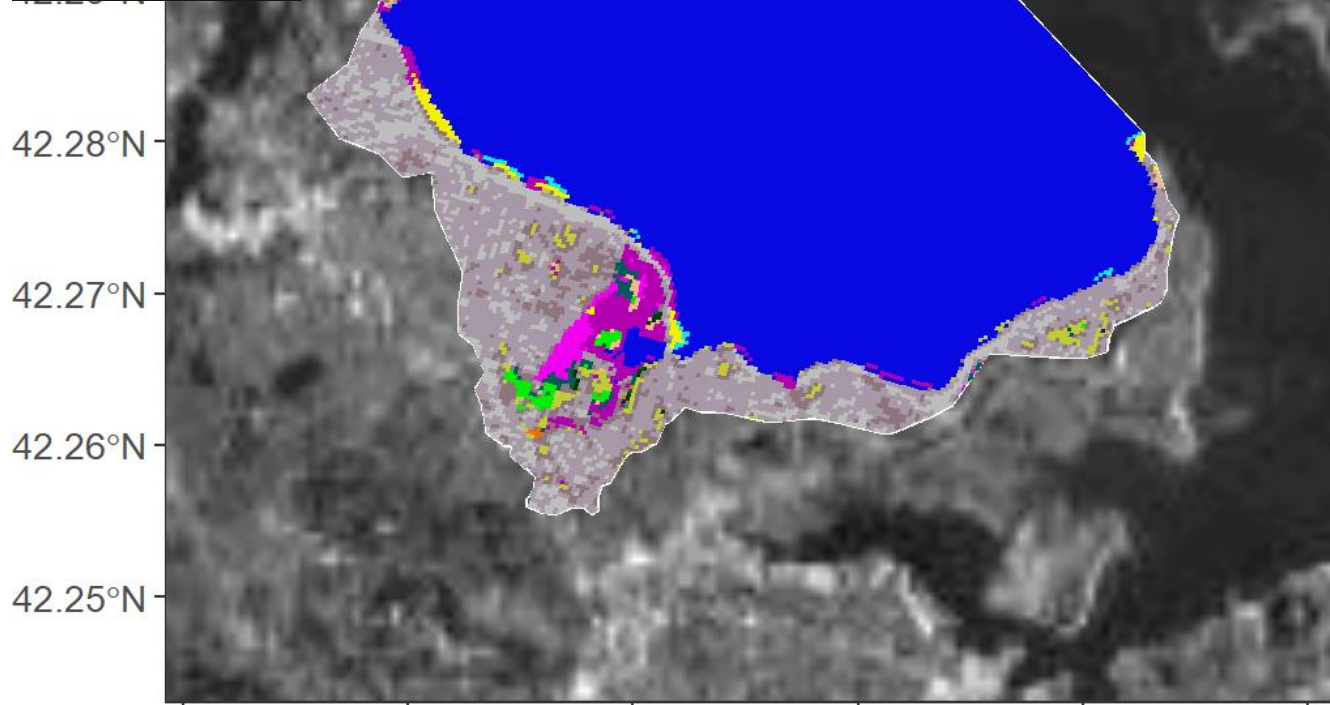


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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

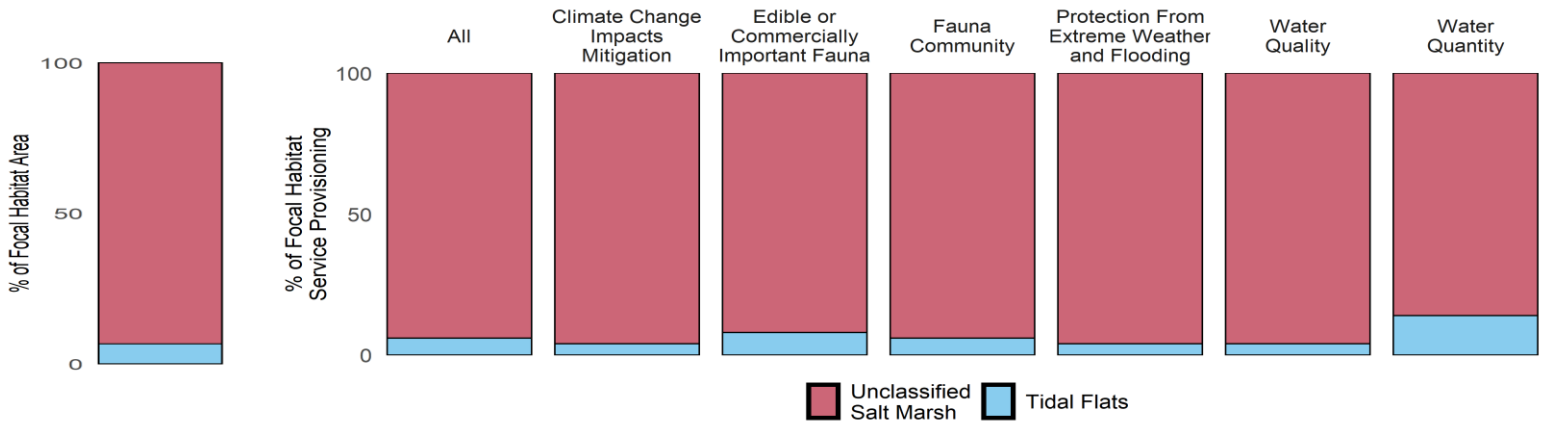


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,943.6	66.7	0	0	62.3	0	4.4
Percent Focal	5,909.8	100.0	0	0	93.4	0	6.6
Percent All	100.0	1.7	0	0	1.6	0	0.1

Blacks Creek / Quincy Bay - 2016

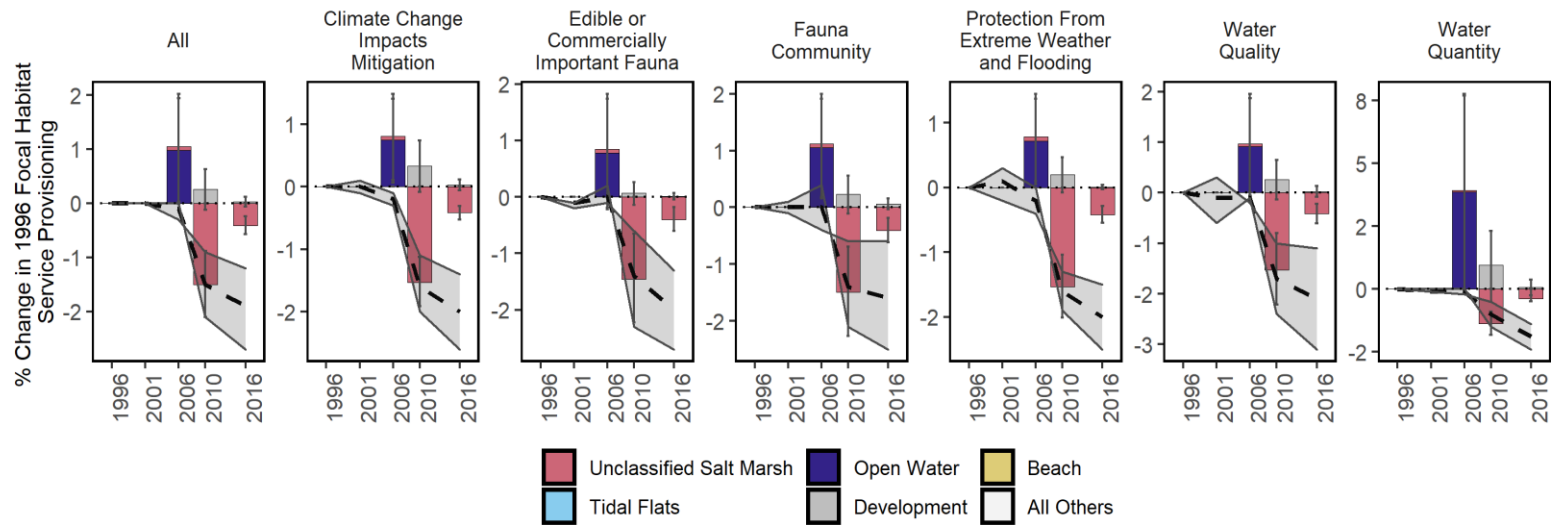
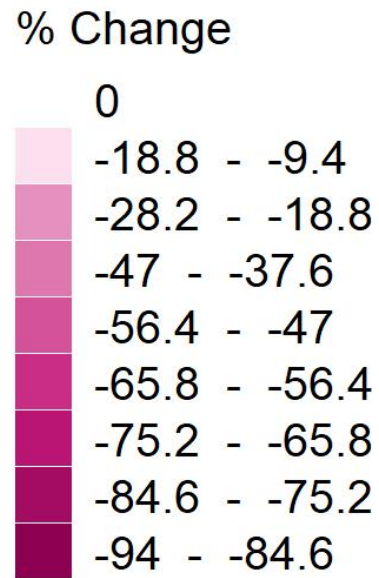
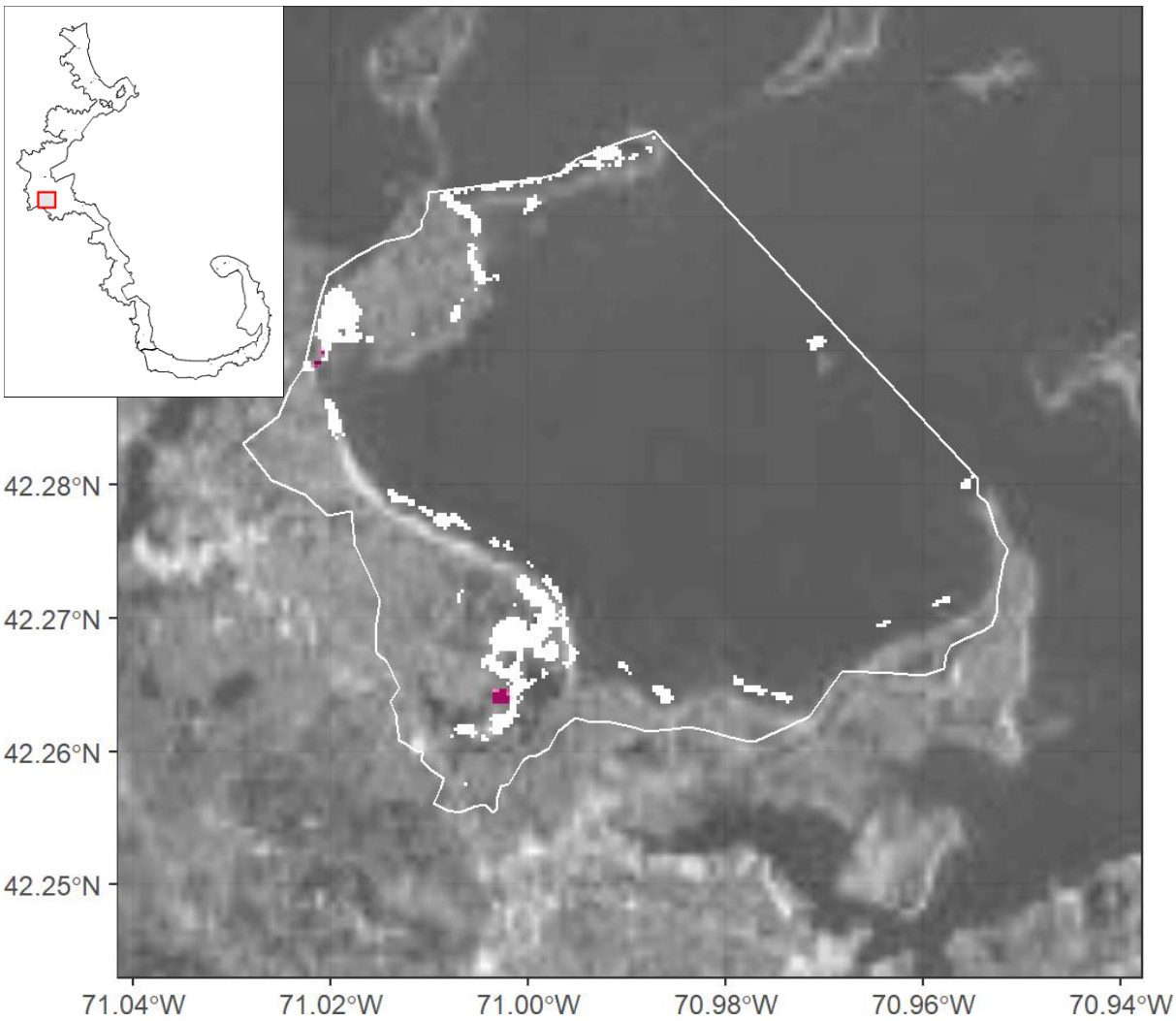


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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |



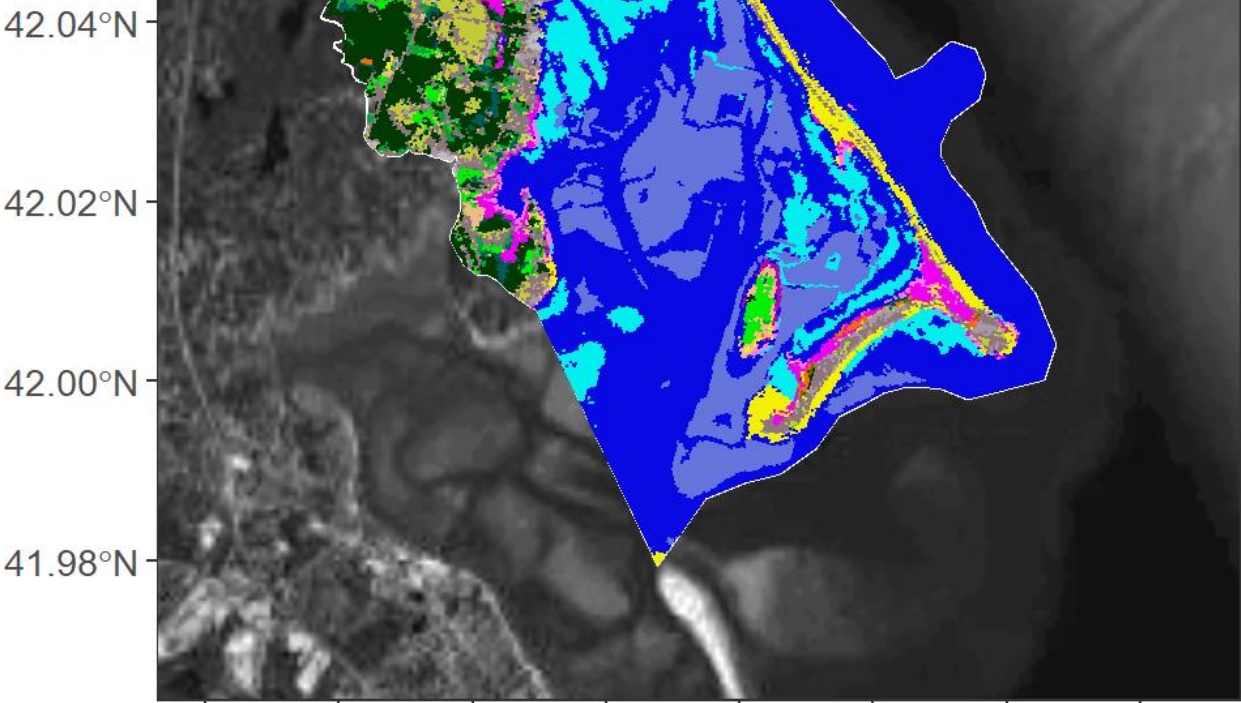
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,943.6	65.5	0	0	61.1	0	4.4
Percent Focal	6,019.9	100.0	0	0	93.3	0	6.7
Percent All	100.0	1.7	0	0	1.5	0	0.1

Blacks Creek / Quincy Bay - Change 1996-2016

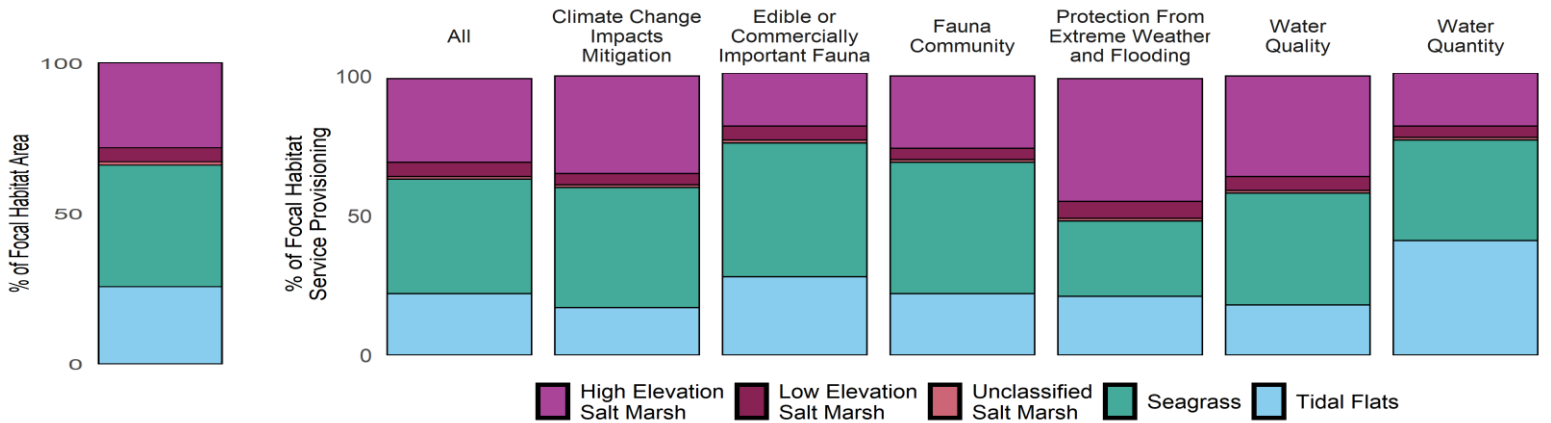


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Development	-1.3	-1.9	0.3	-1.9

Bluefish River / Back River / Duxbury Bay - 1996

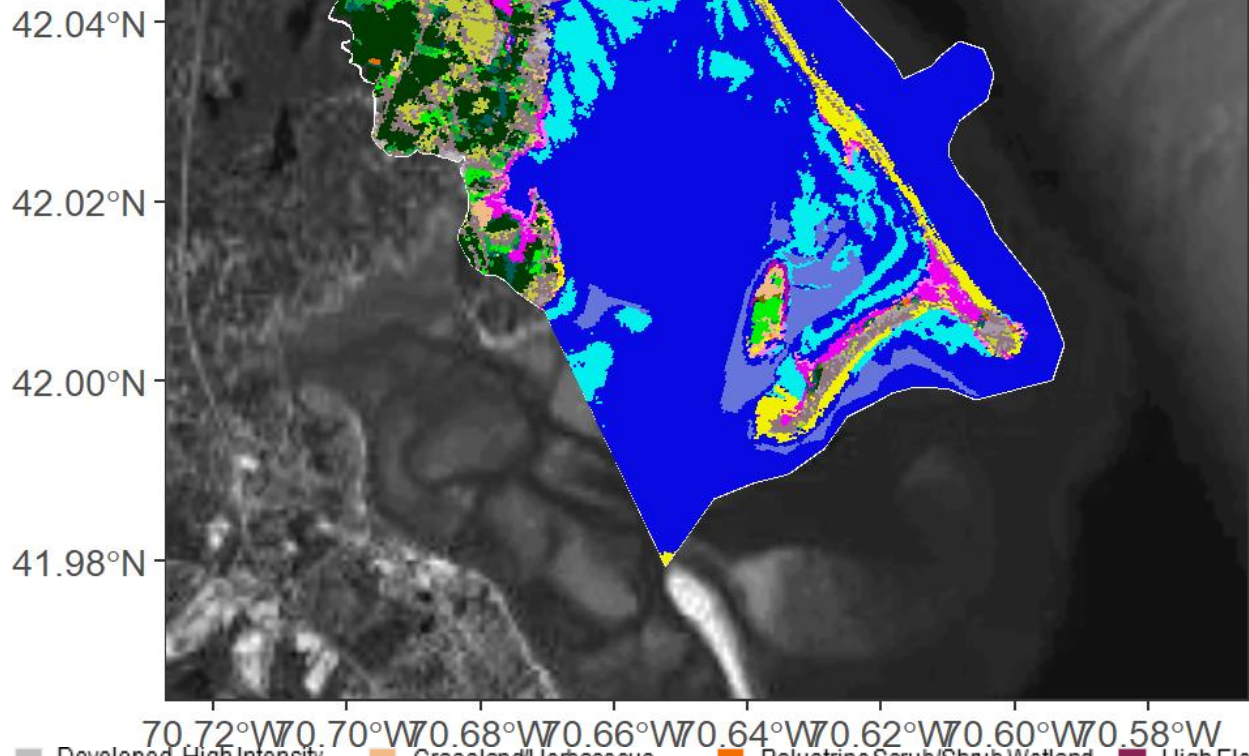


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

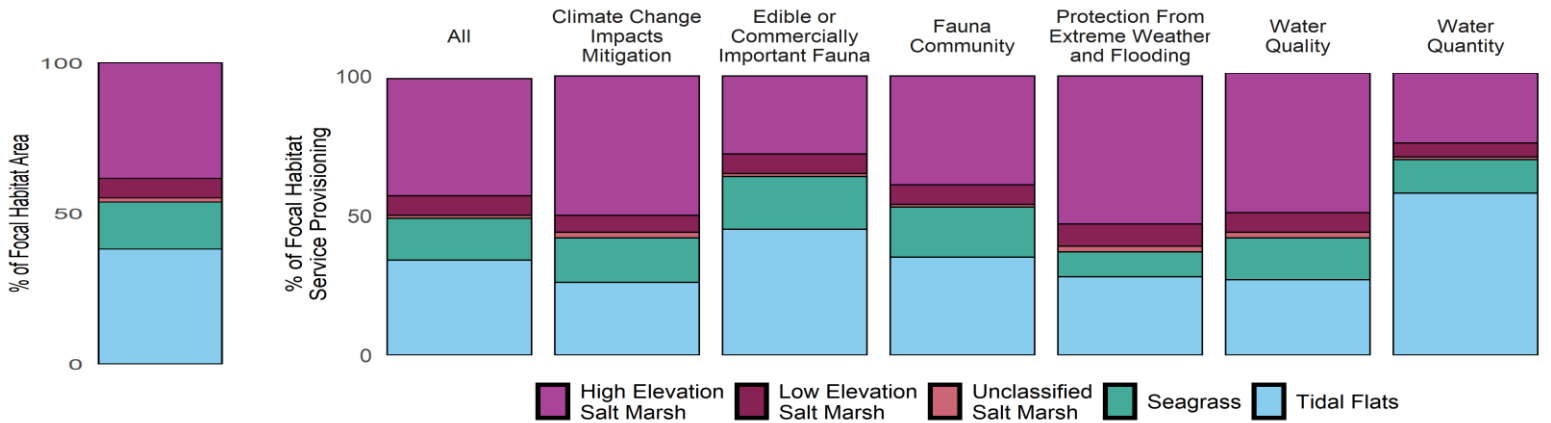


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	9,490.1	1,560.0	439.9	73.7	16.4	629.6	400.3
Percent Focal	608.4	100.0	28.2	4.7	1.1	40.4	25.7
Percent All	100.0	16.4	4.6	0.8	0.2	6.6	4.2

Bluefish River / Back River / Duxbury Bay - 2016

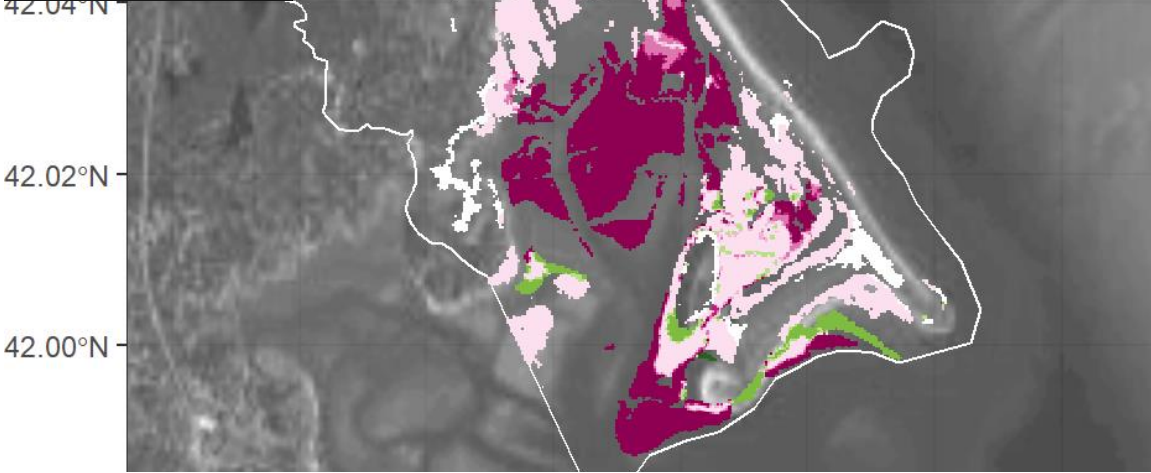


- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass

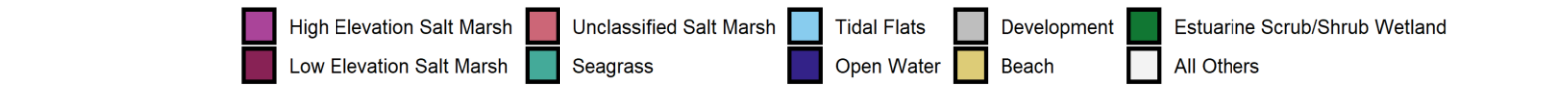
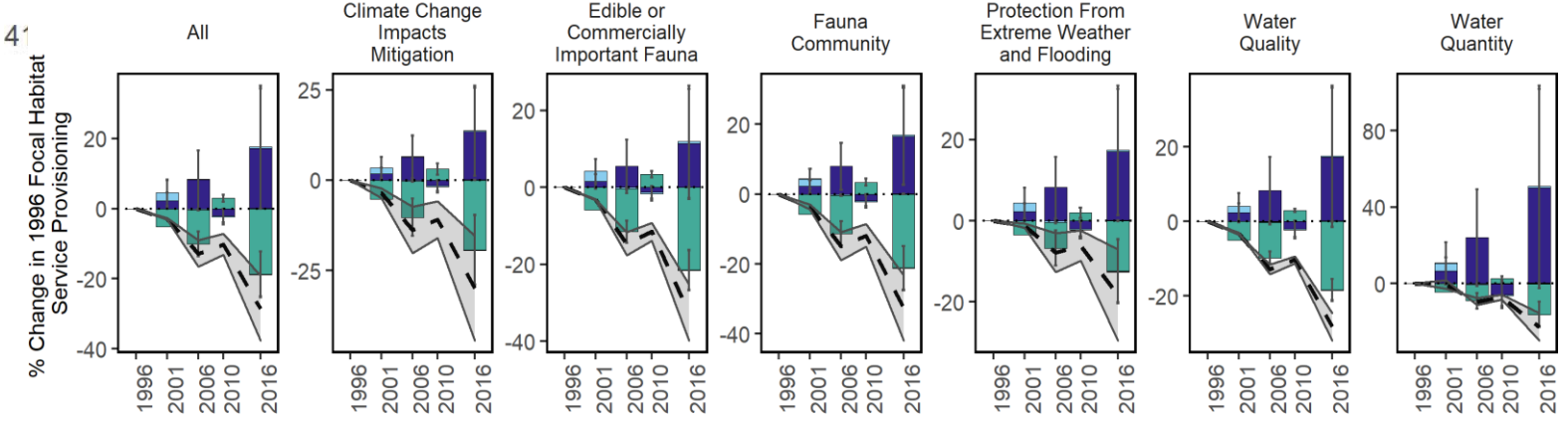
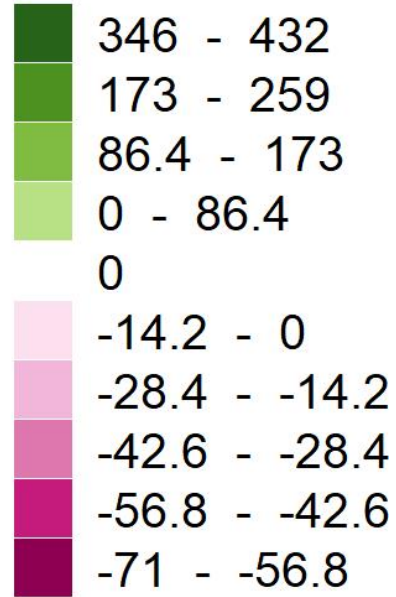


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	9,490.1	1,144.5	439.3	73.7	15.7	178.2	437.7
Percent Focal	829.2	100.0	38.4	6.4	1.4	15.6	38.2
Percent All	100.0	12.1	4.6	0.8	0.2	1.9	4.6

Bluefish River / Back River / Duxbury Bay - Change 1996-2016

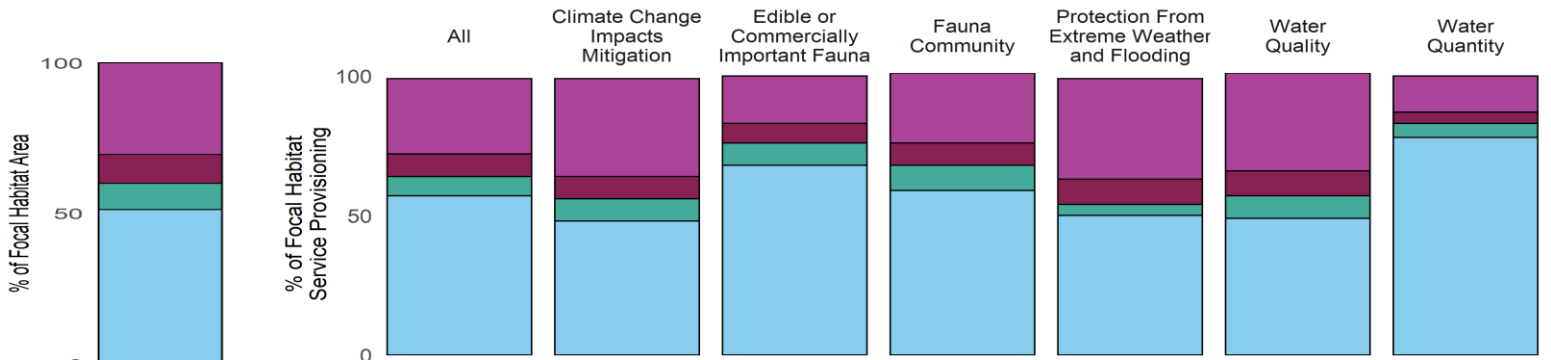
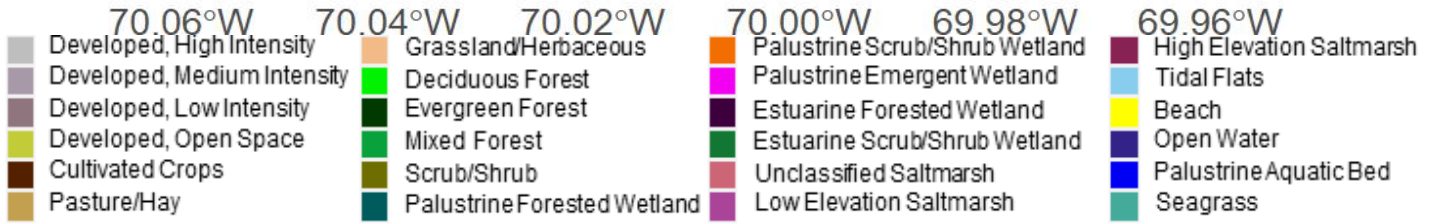
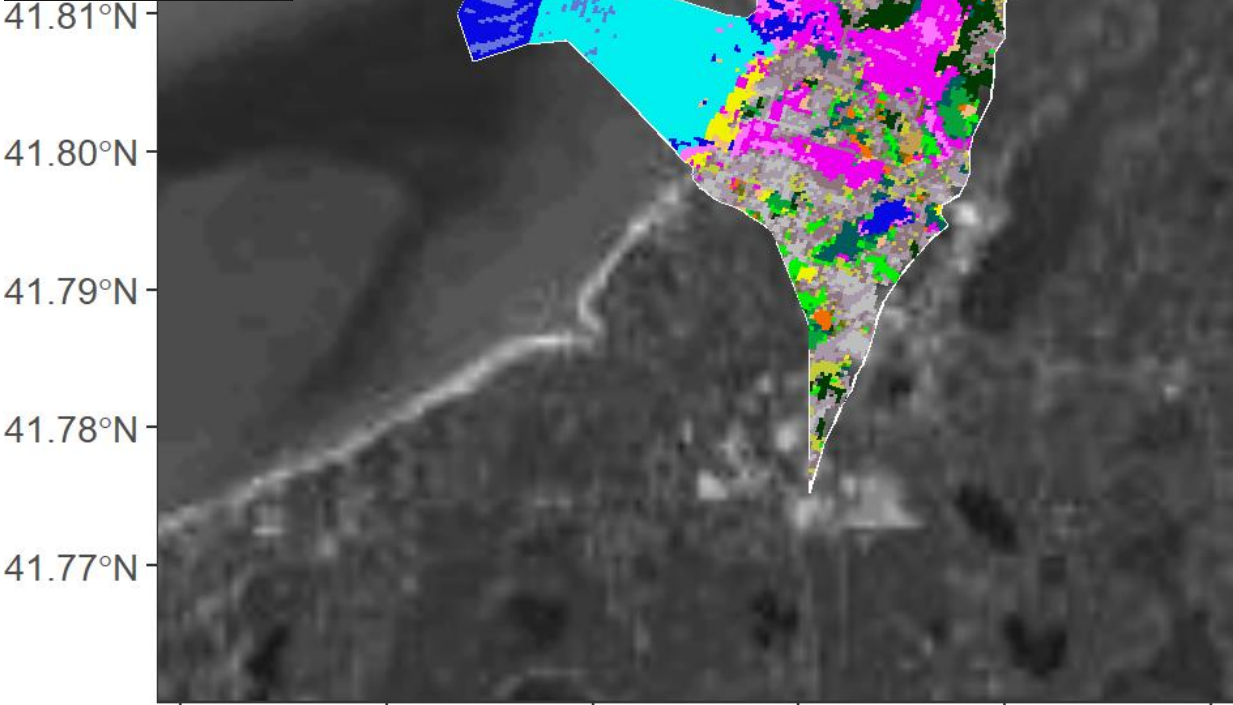


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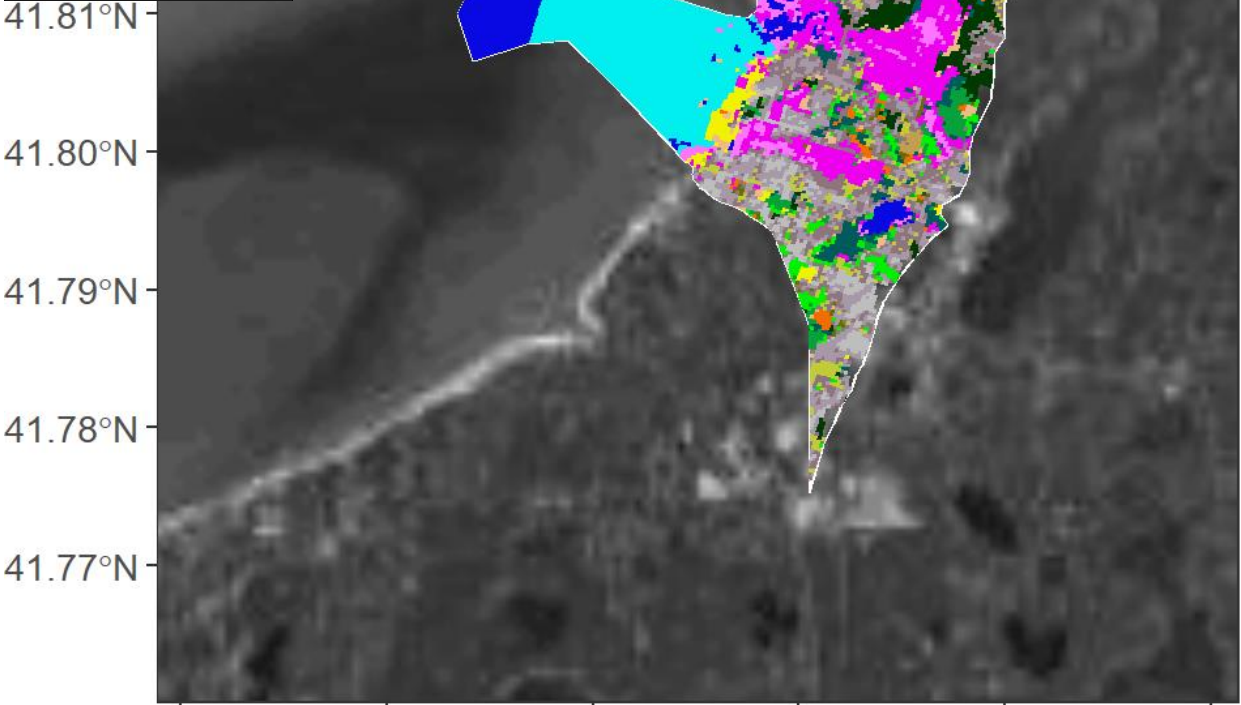
Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-416.1	-28.0	25.8	-28.0
Seagrass	Tidal Flats	-35.3	-2.4	1.9	-0.5
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.7	0.0	0.1	0.0
High Elev. Salt Marsh	Tidal Flats	-0.4	0.0	0.0	0.0
High Elev. Salt Marsh	Development	-0.2	0.0	0.0	0.0
Unclassified Salt Marsh	Development	-0.1	0.0	0.0	0.0
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.1	0.0	0.0	0.0
Low Elev. Salt Marsh	Open Water	-0.1	0.0	0.0	0.0
Seagrass	Low Elev. Salt Marsh	-0.1	0.0	0.0	0.0
Unclassified Salt Marsh	All Others	0.1	0.0	0.0	0.0
Tidal Flats	All Others	0.5	0.0	0.0	0.0
Tidal Flats	Beach	1.2	0.1	0.0	0.1

Boat Meadow Creek / Rock Harbor - 1996

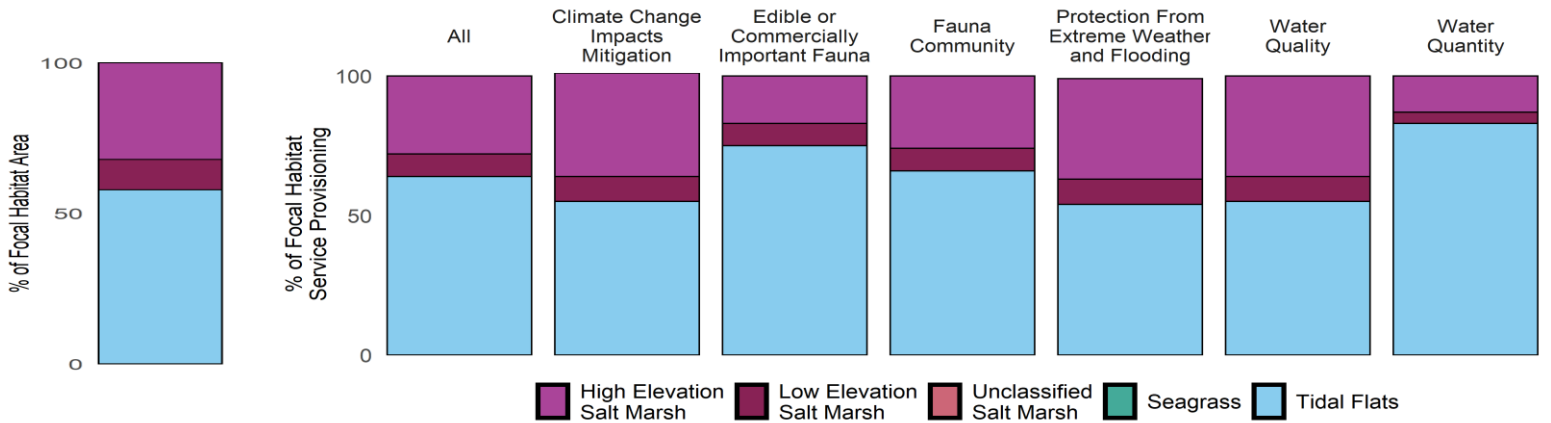


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,298.1	266.2	80.9	25.4	0.1	23.2	136.6
Percent Focal	487.6	100.0	30.4	9.6	0.0	8.7	51.3
Percent All	100.0	20.5	6.2	2.0	0.0	1.8	10.5

Boat Meadow Creek / Rock Harbor - 2016

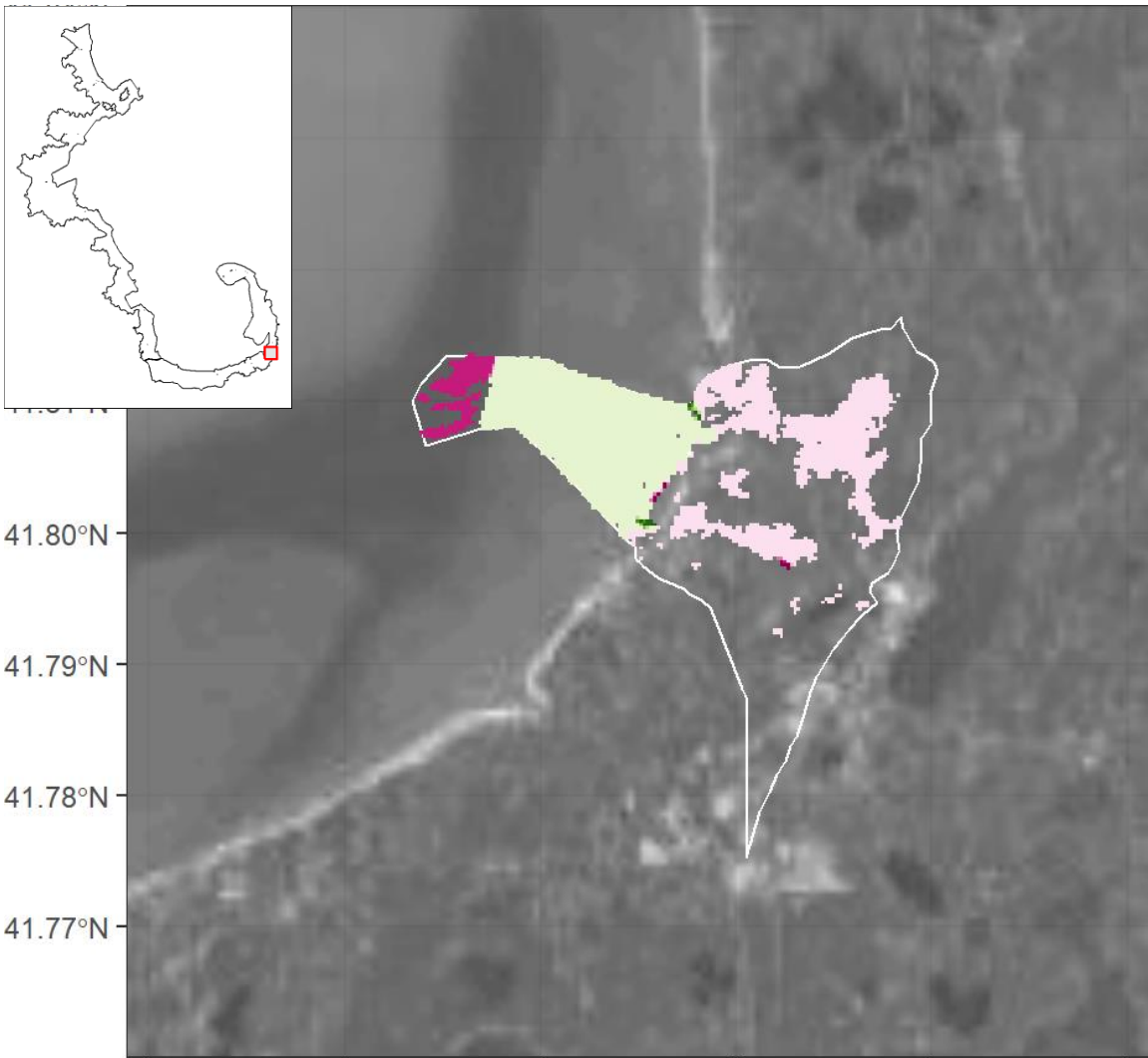
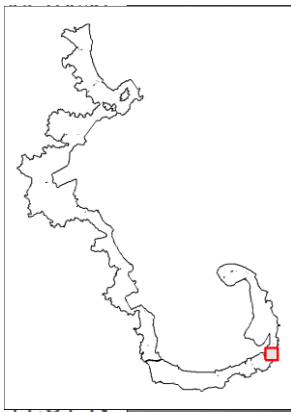


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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

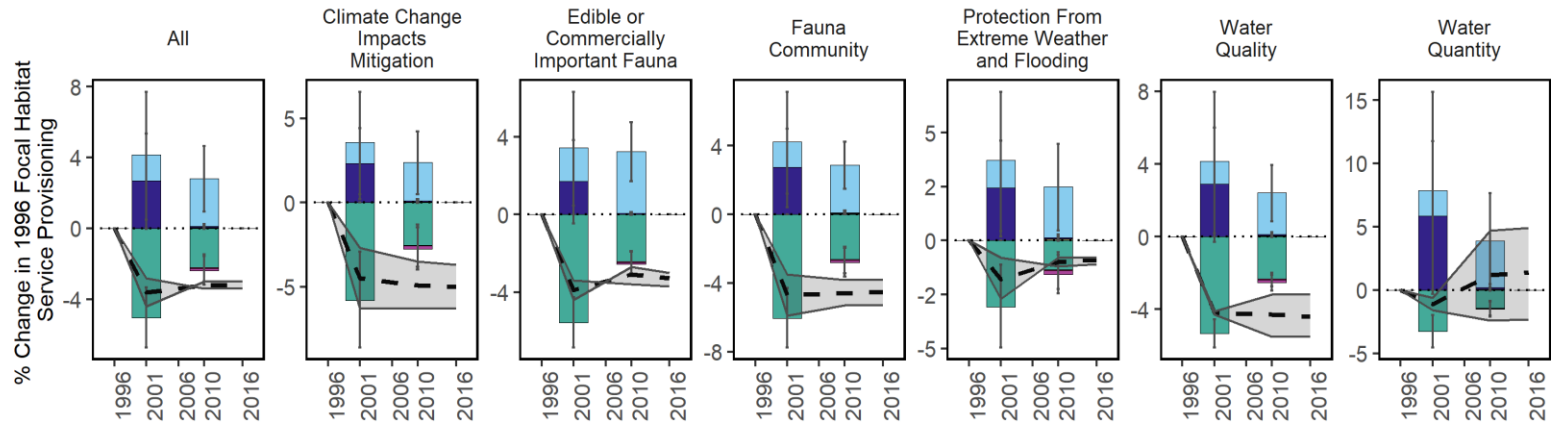
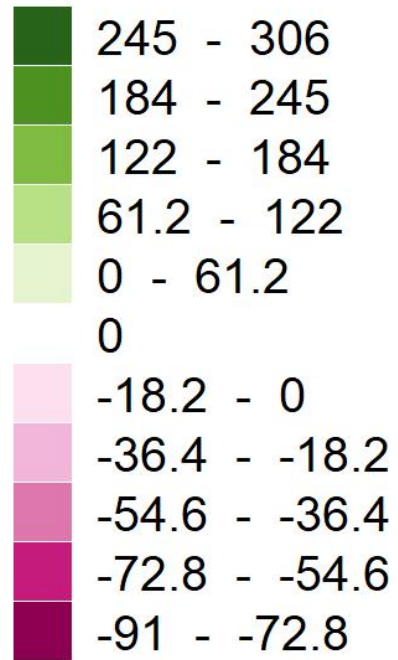


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,298.1	251.1	80.6	25.2	0.1	0	145.3
Percent Focal	516.9	100.0	32.1	10.1	0.0	0	57.8
Percent All	100.0	19.3	6.2	1.9	0.0	0	11.2

Boat Meadow Creek / Rock Harbor - Change 1996-2016

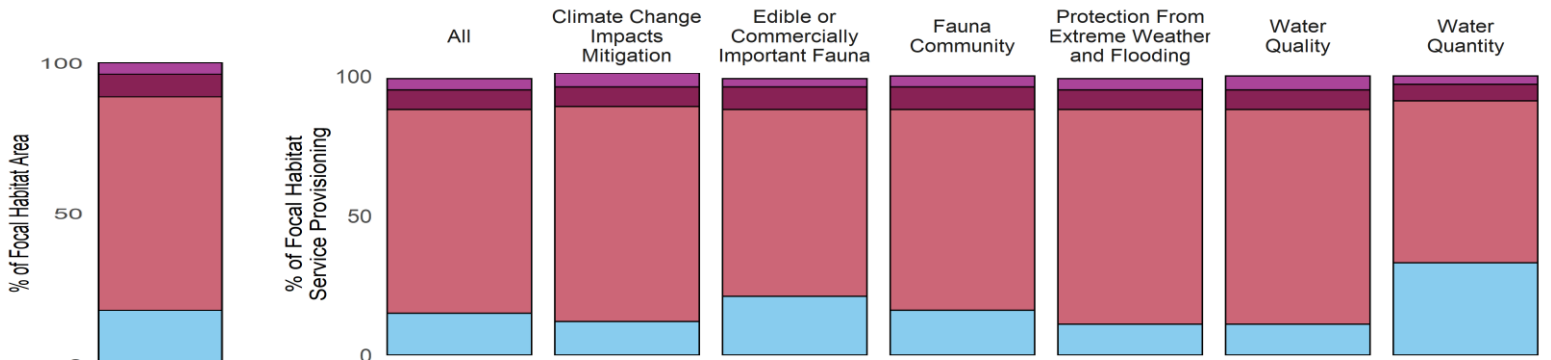
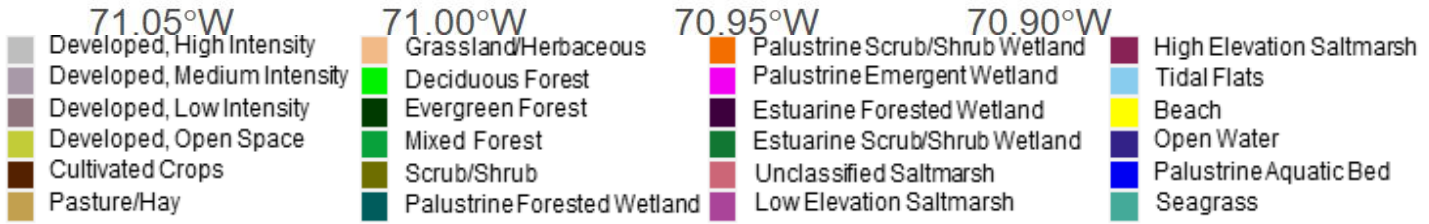
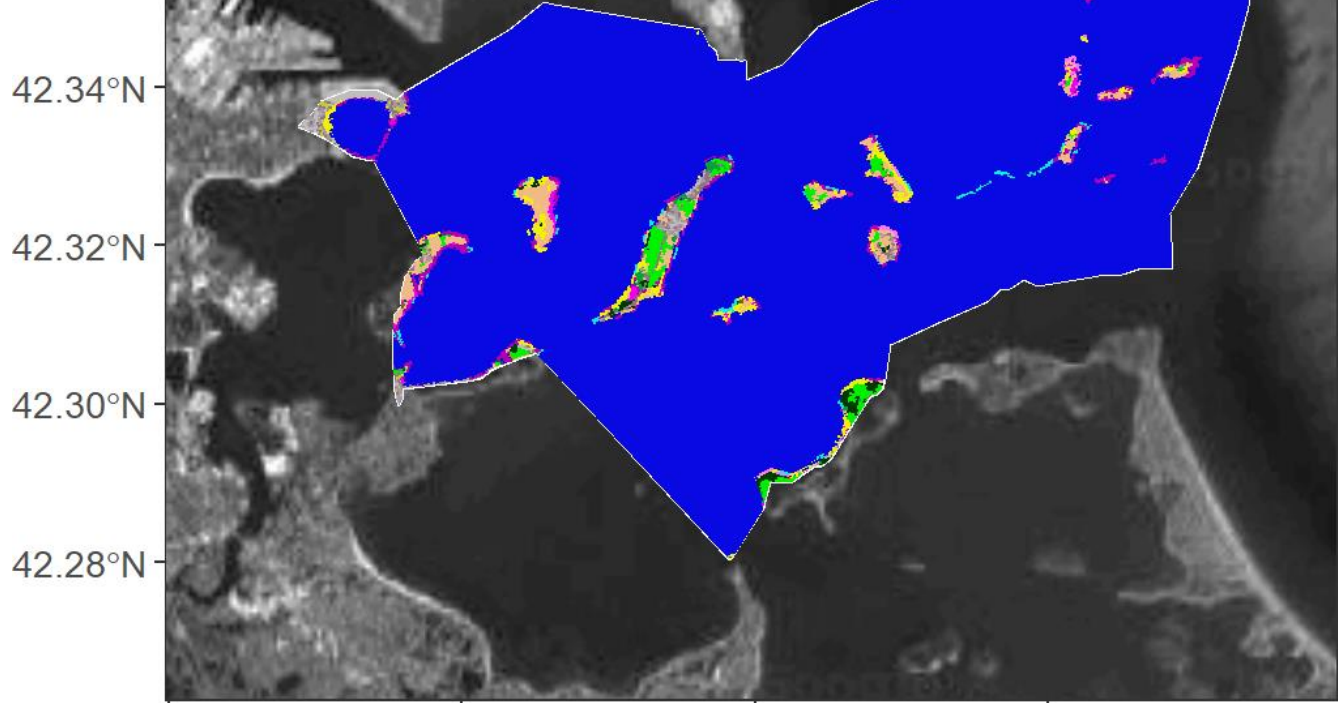


% Change



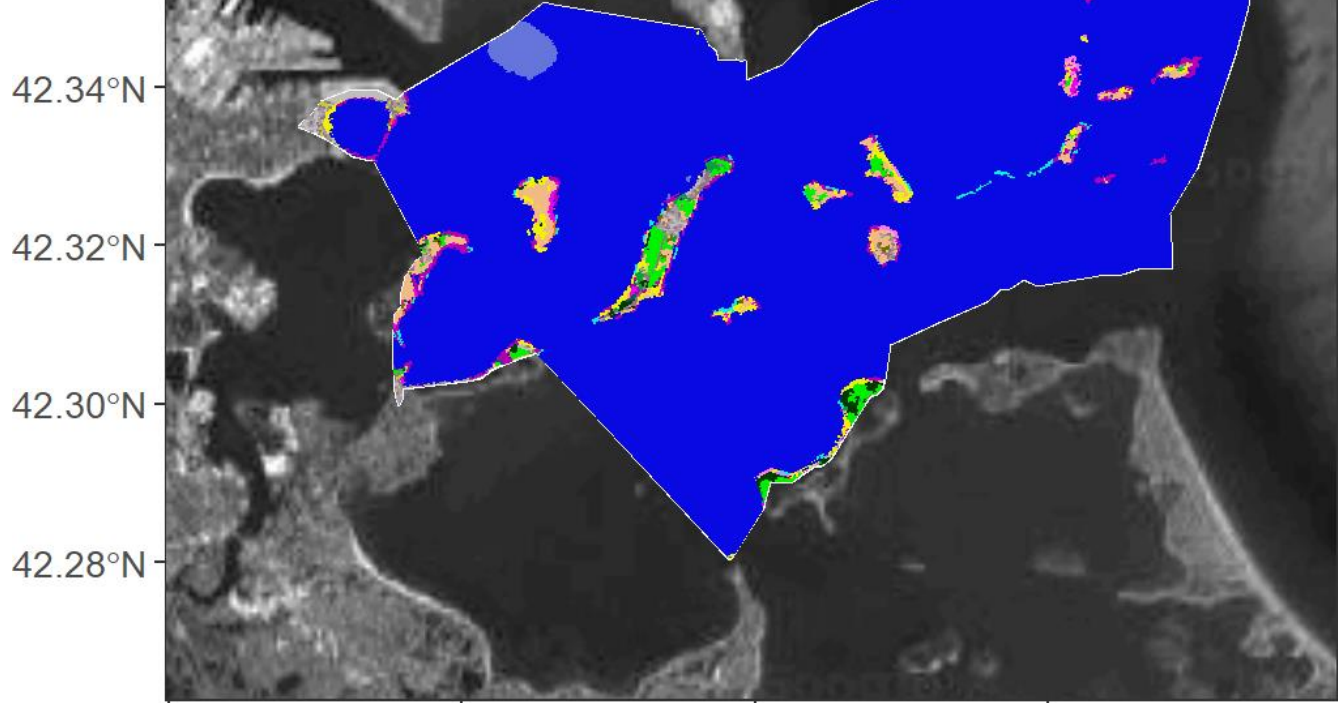
Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-15.3	-4.8	3.0	-4.8
Seagrass	Tidal Flats	-7.9	-2.5	5.4	2.9
Tidal Flats	Beach	-0.4	-2.0	0.0	-2.0
High Elev. Salt Marsh	Development	-0.3	-0.1	0.0	-0.1
High Elev. Salt Marsh	Tidal Flats	-0.1	0.0	0.1	0.1
Low Elev. Salt Marsh	Tidal Flats	-0.1	0.0	0.1	0.1
Low Elev. Salt Marsh	Development	-0.1	0.0	0.0	0.0
Tidal Flats	Open Water	1.1	0.7	-0.3	0.7

Boston Harbor Islands - 1996

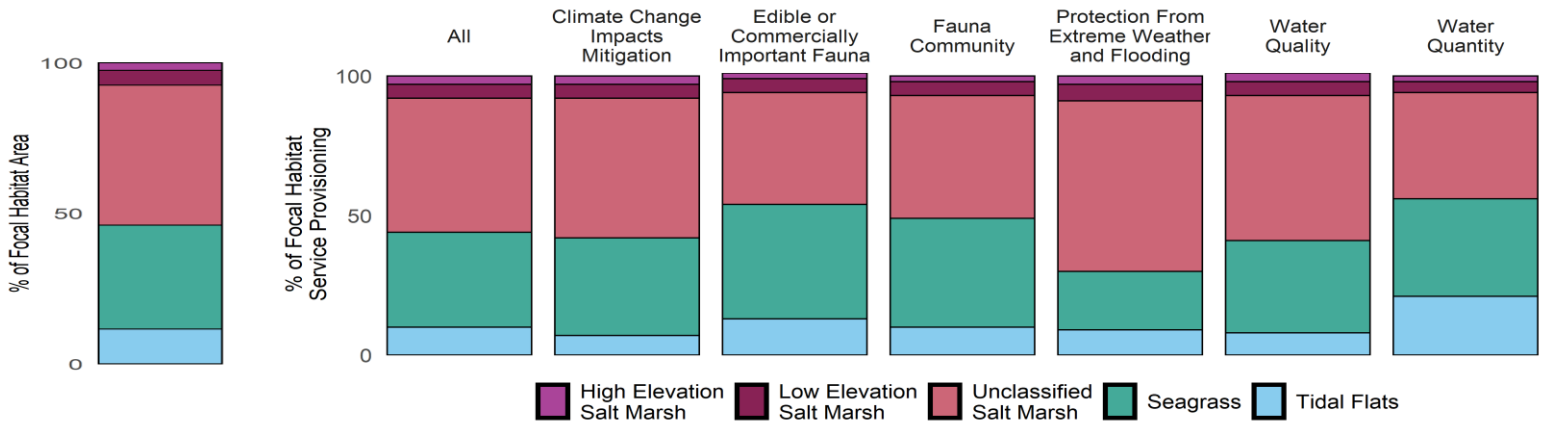


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	11,643.7	100.4	3.8	7.6	71.2	0	17.9
Percent Focal	11,592.7	100.0	3.8	7.5	70.9	0	17.8
Percent All	100.0	0.9	0.0	0.1	0.6	0	0.2

Boston Harbor Islands - 2016

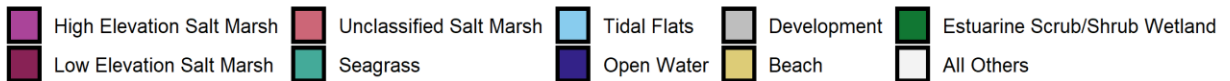
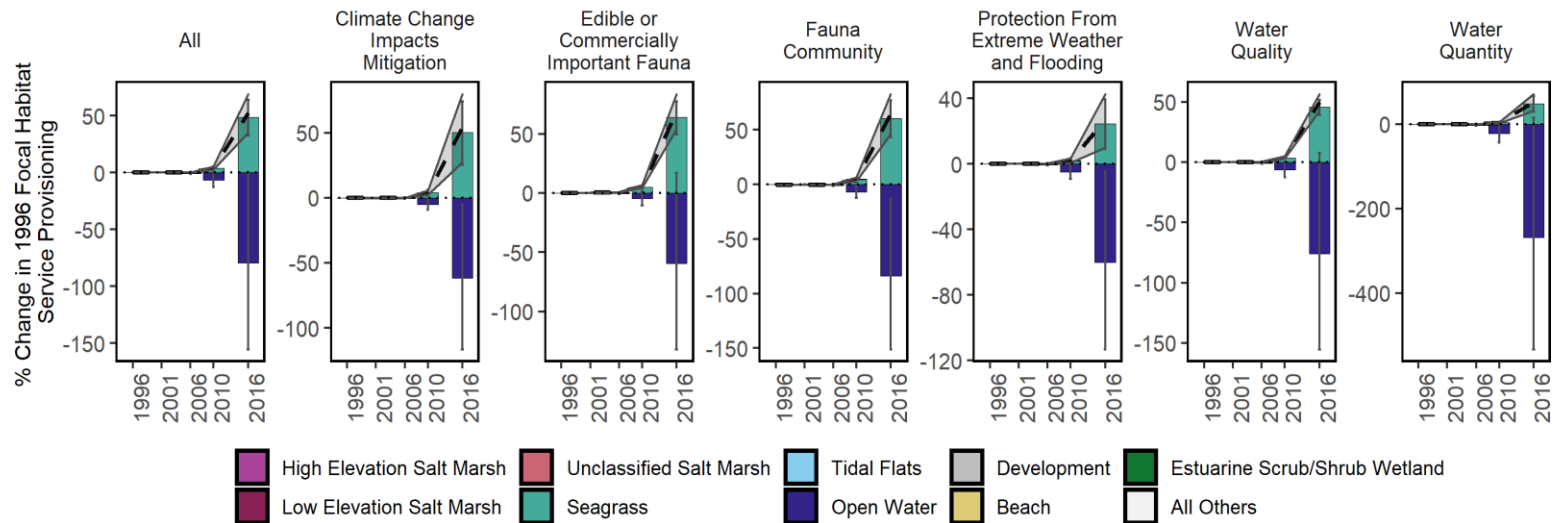
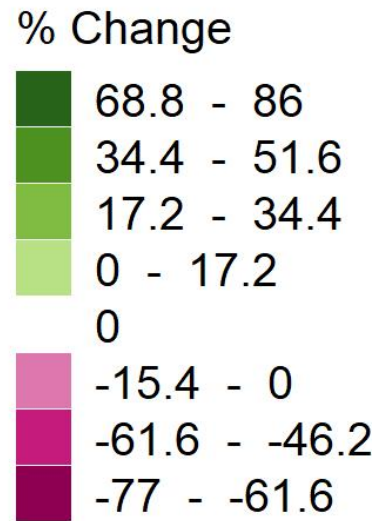
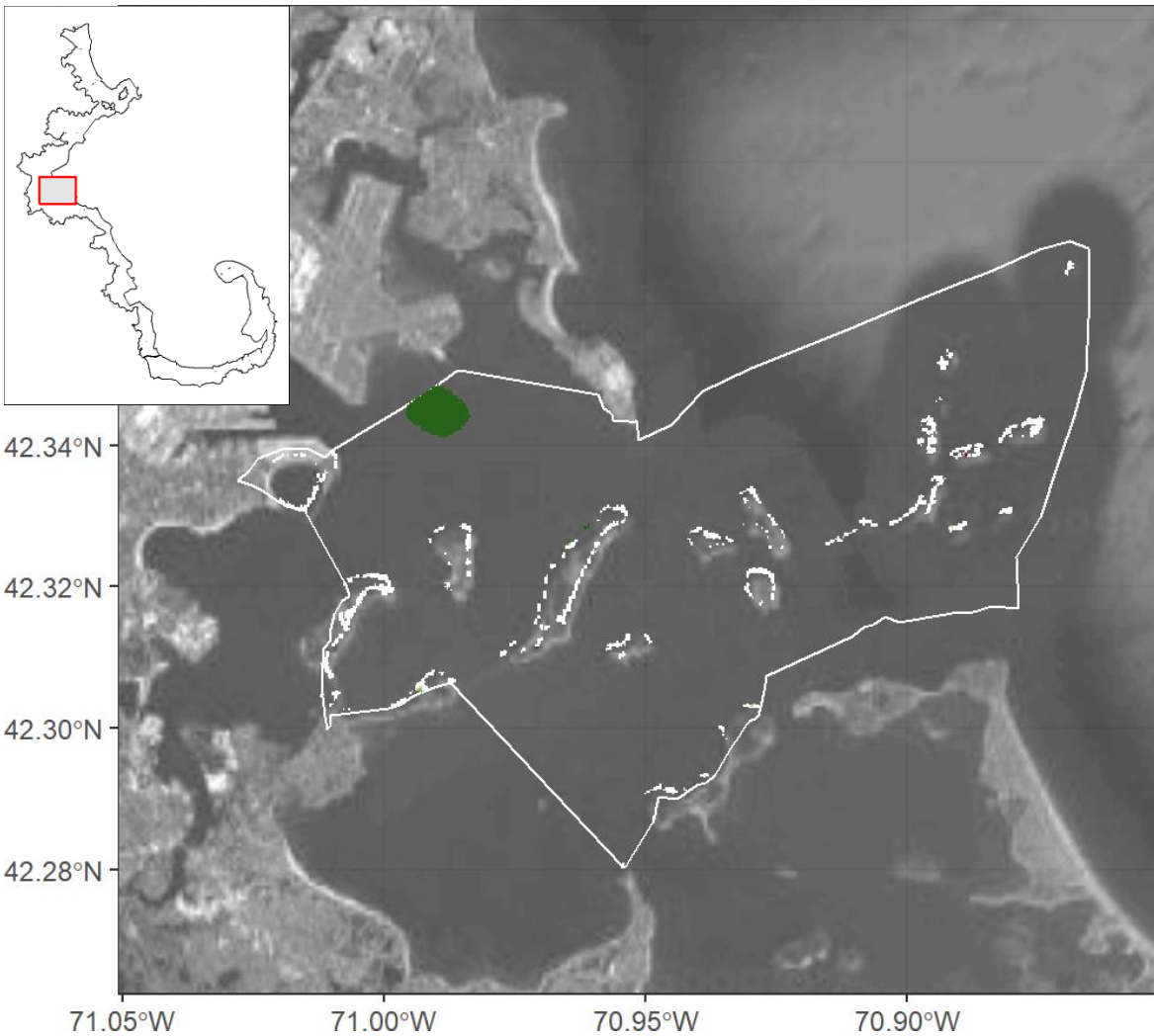


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	11,643.7	153.9	3.8	7.6	71.5	53.1	17.9
Percent Focal	7,566.7	100.0	2.5	4.9	46.5	34.5	11.6
Percent All	100.0	1.3	0.0	0.1	0.6	0.5	0.2

Boston Harbor Islands - Change 1996-2016

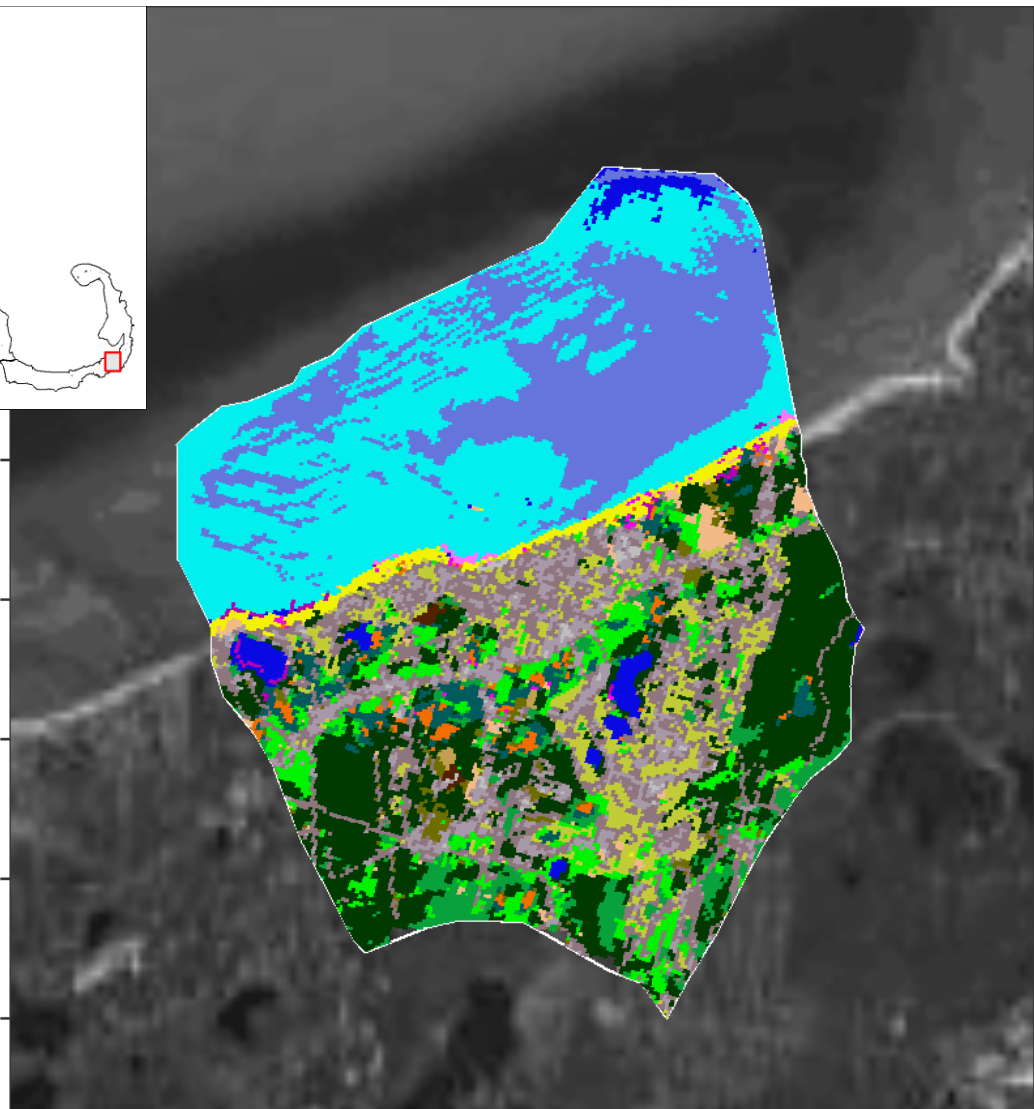


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Beach	-0.1	-0.1	0.0	-0.1
Unclassified Salt Marsh	Open Water	0.4	0.4	-0.8	0.4
Seagrass	Open Water	53.1	52.2	-85.6	52.2

Brewster Coast - 1996

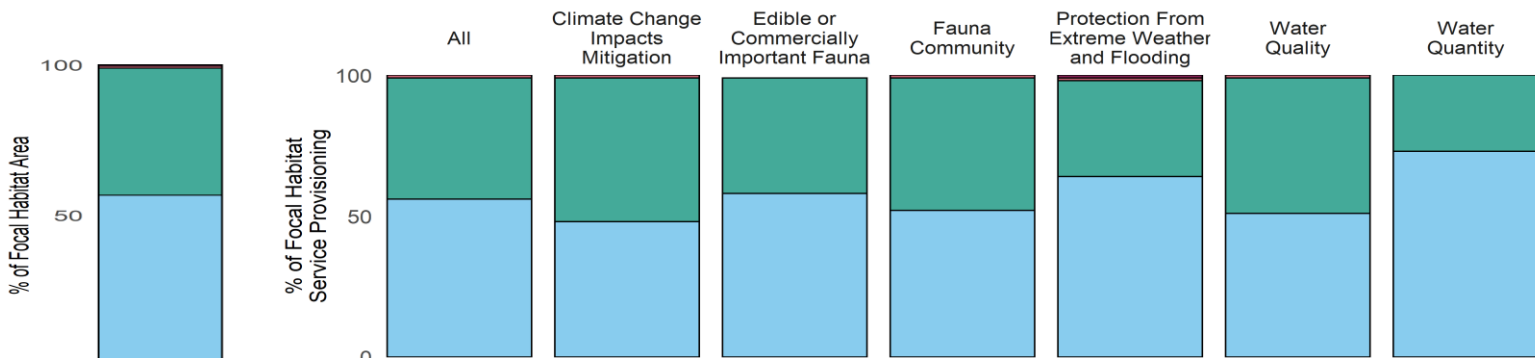


41.78°N
41.77°N
41.76°N
41.75°N
41.74°N



70.10°W 70.08°W 70.06°W 70.04°W 70.02°W

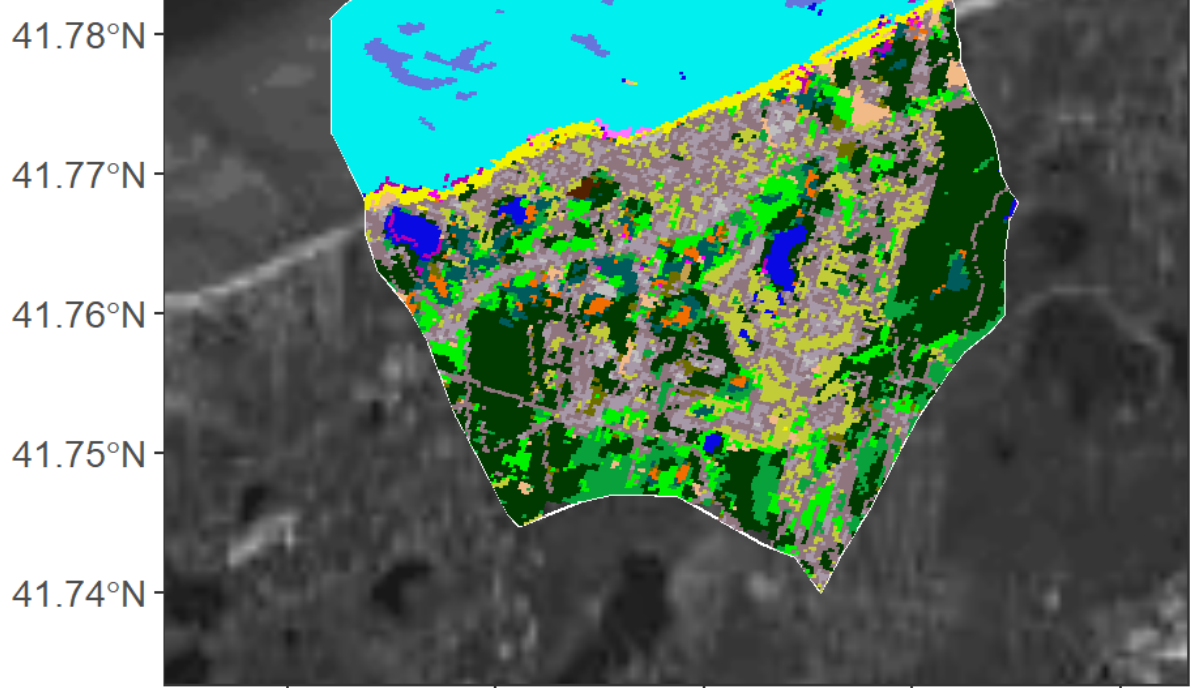
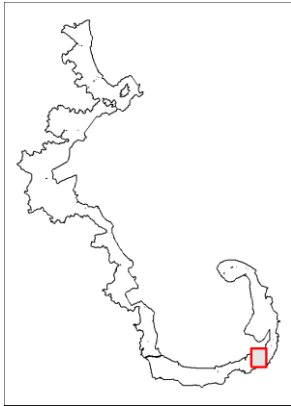
- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



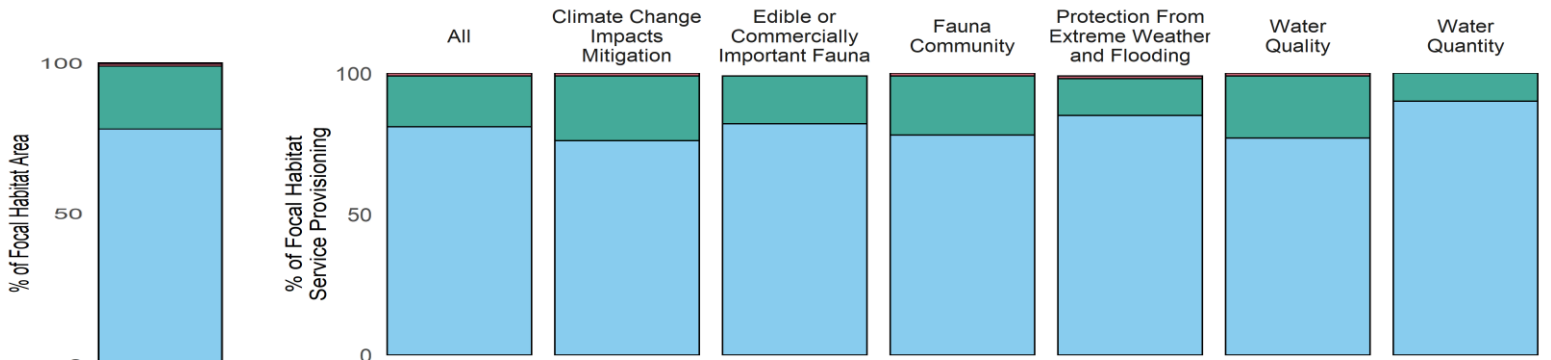
- Low Elevation Salt Marsh
- Unclassified Salt Marsh
- Seagrass
- Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	4,391.4	989.1	0	3.8	7.2	417.2	561.0
Percent Focal	444.0	100.0	0	0.4	0.7	42.2	56.7
Percent All	100.0	22.5	0	0.1	0.2	9.5	12.8

Brewster Coast - 2016



- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass

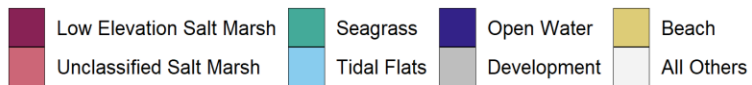
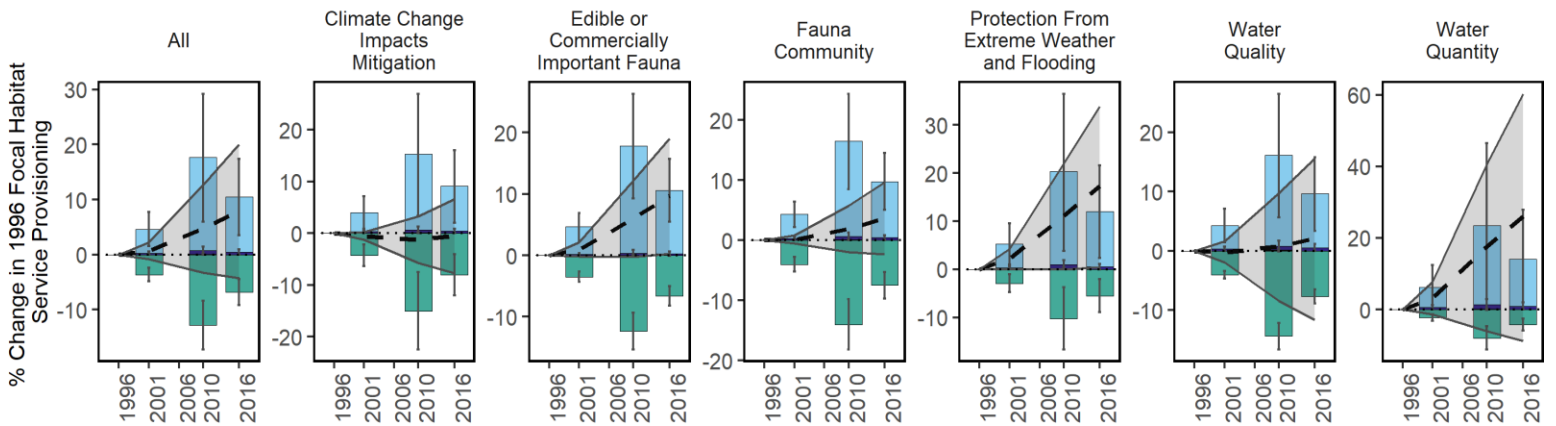
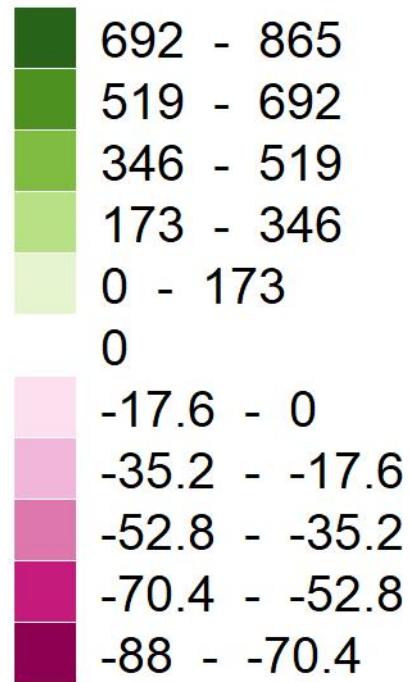


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	4,391.4	960.2	0	3.8	7.2	200.2	749.0
Percent Focal	457.4	100.0	0	0.4	0.7	20.9	78.0
Percent All	100.0	21.9	0	0.1	0.2	4.6	17.1

Brewster Coast - Change 1996-2016

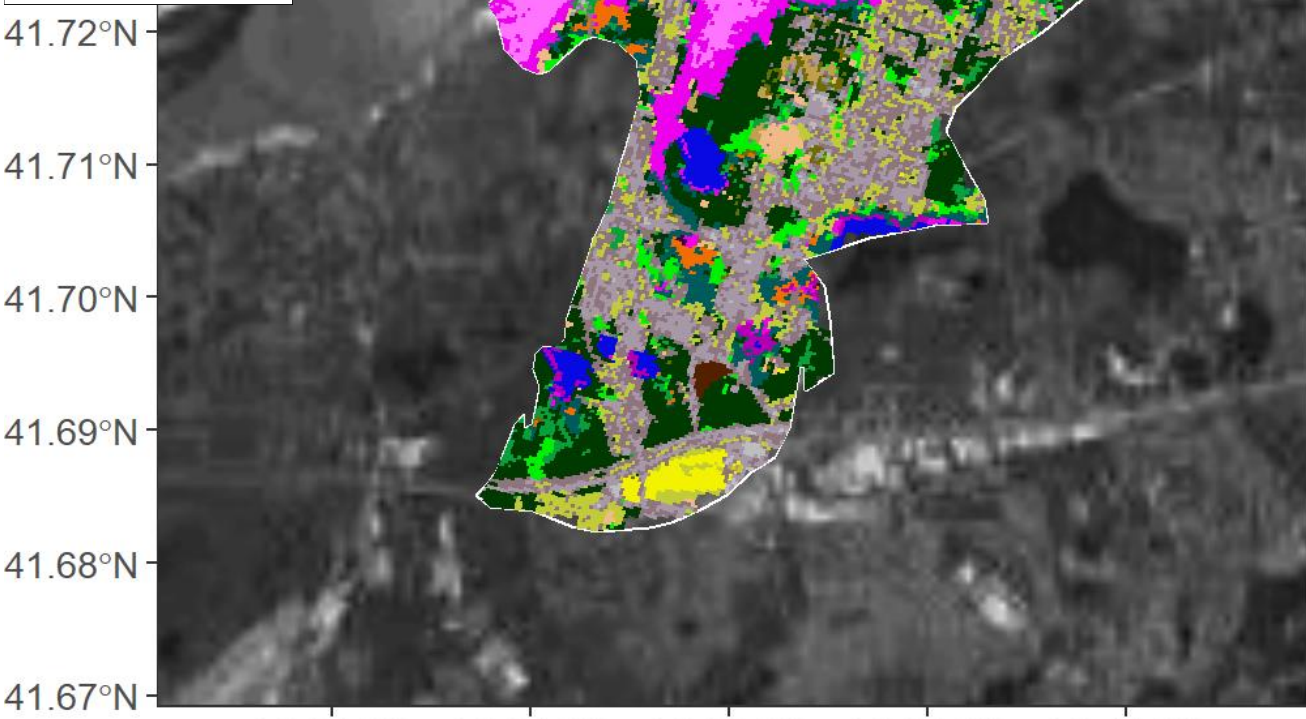
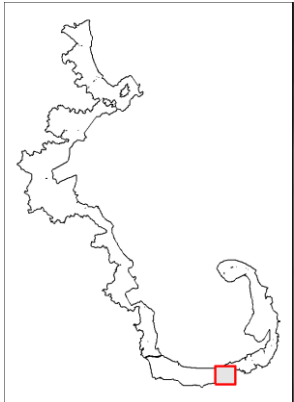


% Change

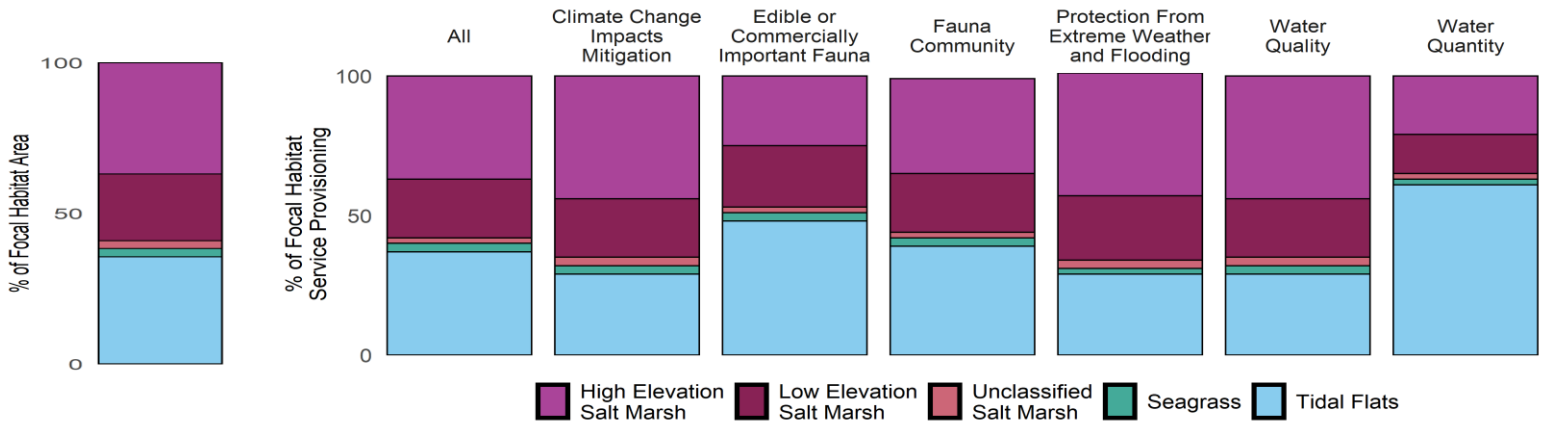


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Tidal Flats	-191.8	-20.8	48.3	27.5
Seagrass	Open Water	-25.2	-2.5	1.4	-2.5
Tidal Flats	Beach	-3.3	-17.0	0.1	-17.0
Tidal Flats	All Others	-1.0	-0.1	0.1	-0.1
Unclassified Salt Marsh	Tidal Flats	-0.1	0.0	0.0	0.0
Unclassified Salt Marsh	All Others	0.1	0.0	0.0	0.0
Tidal Flats	Open Water	0.4	0.0	0.0	0.0

Chase Garden Creek - 1996

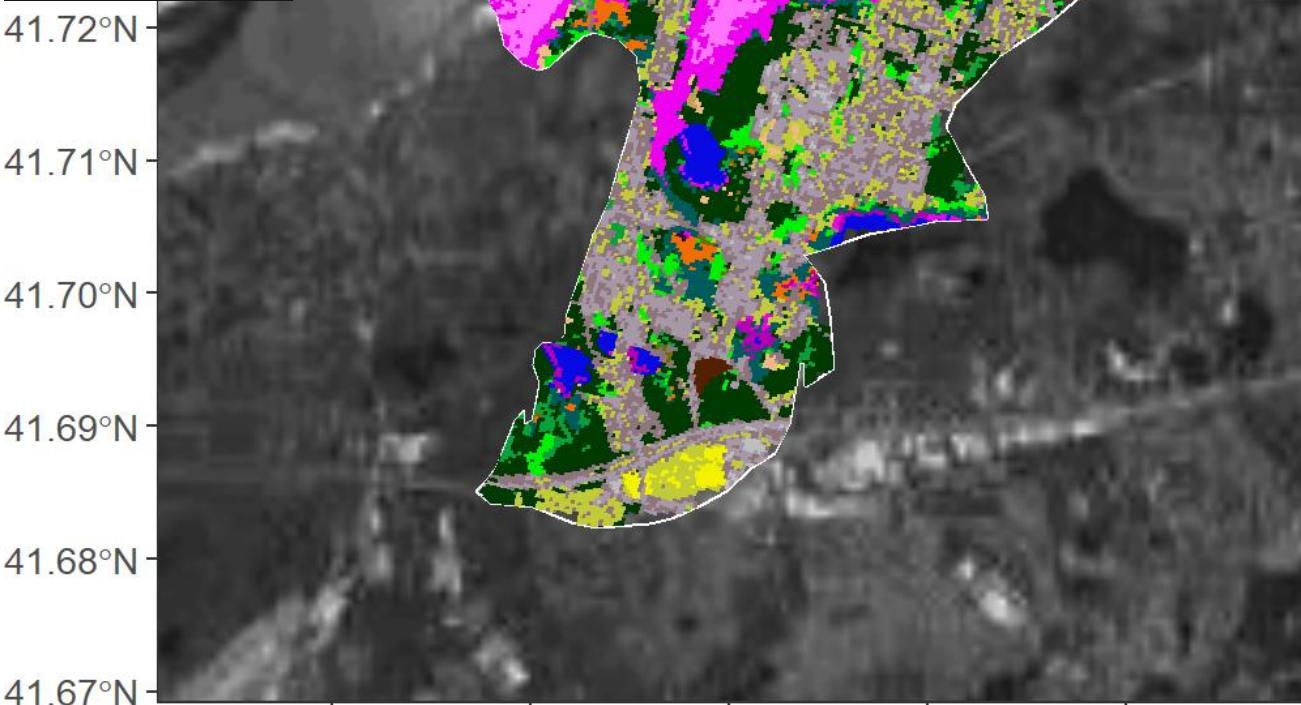


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Medium Intensity
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Developed, Low Intensity
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Developed, Open Space
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass
- Cultivated Crops
- Pasture/Hay

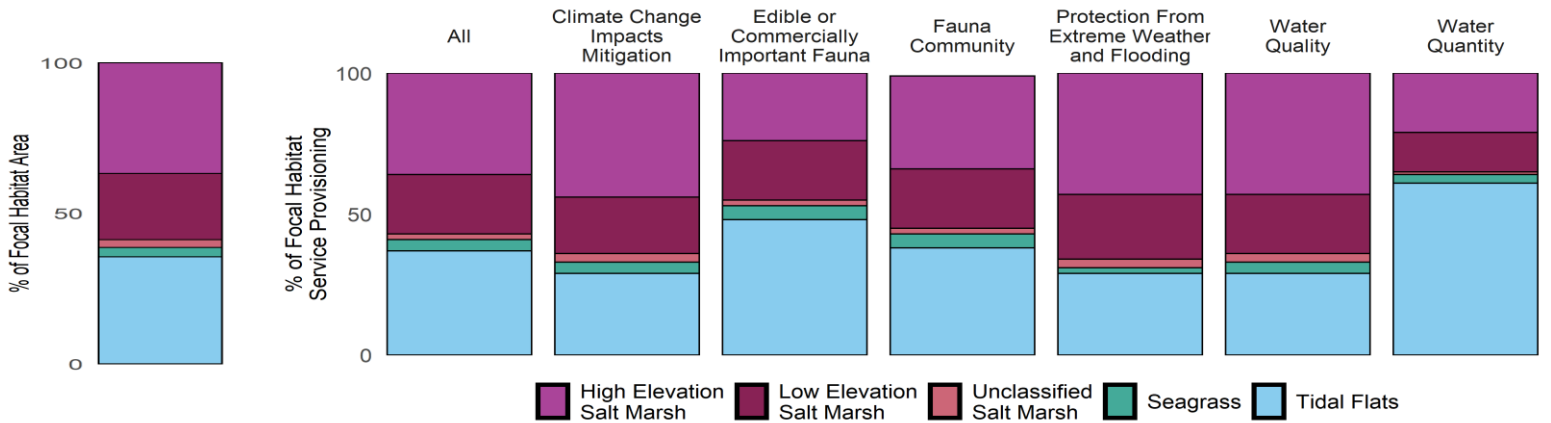


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,986.6	662.5	244.7	146.5	17.3	18.6	235.5
Percent Focal	601.7	100.0	36.9	22.1	2.6	2.8	35.5
Percent All	100.0	16.6	6.1	3.7	0.4	0.5	5.9

Chase Garden Creek - 2016

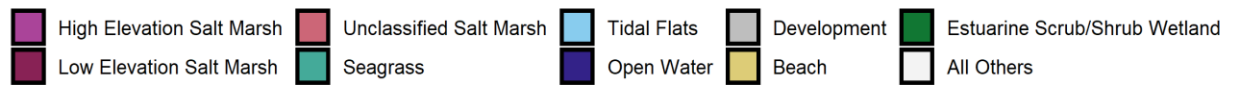
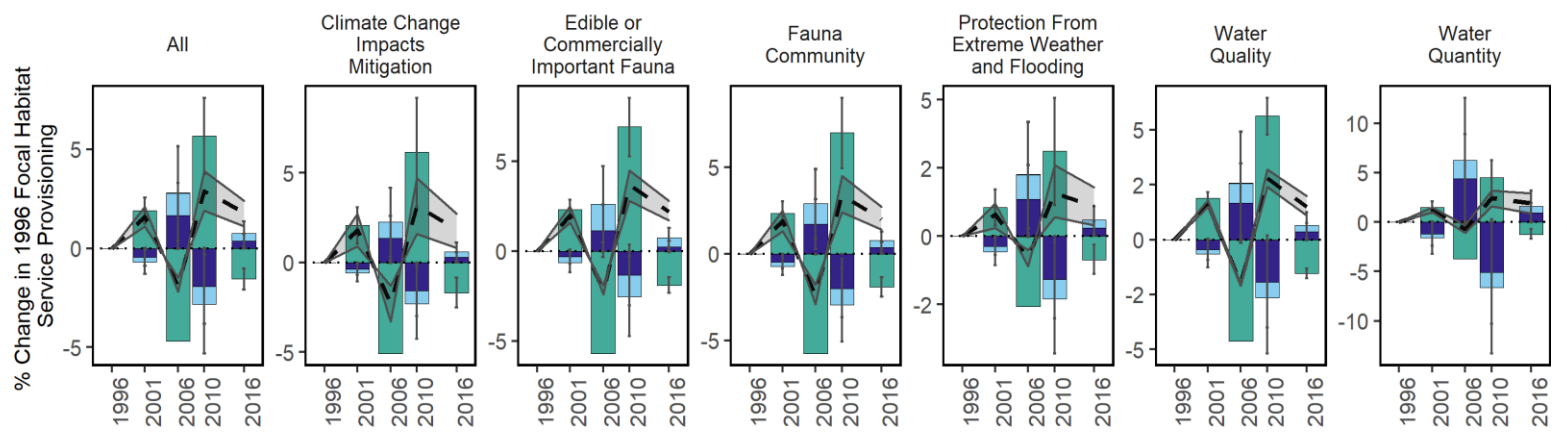
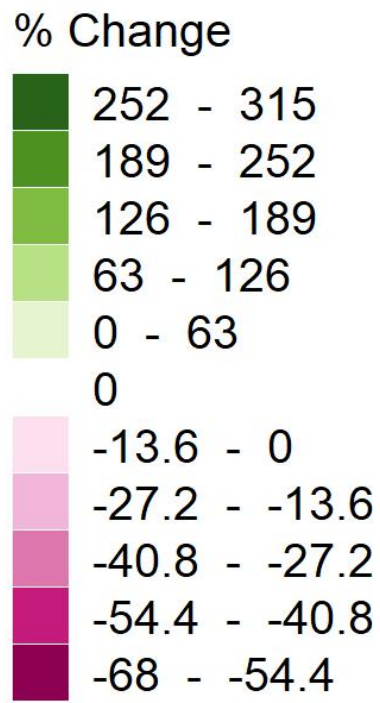
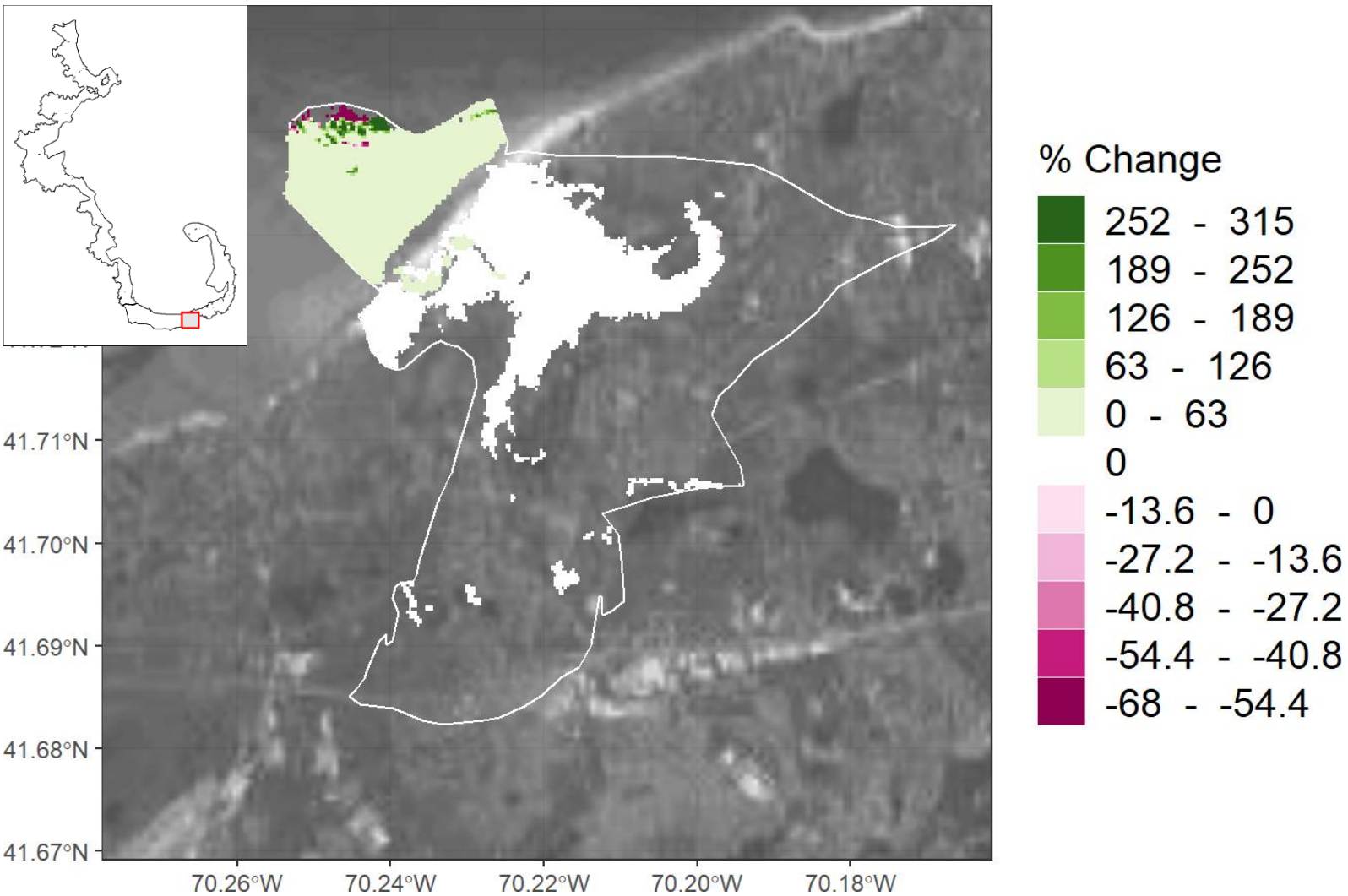


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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |



Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,986.6	666.7	244.8	146.5	17.3	20.9	237.3
Percent Focal	597.9	100.0	36.7	22.0	2.6	3.1	35.6
Percent All	100.0	16.7	6.1	3.7	0.4	0.5	6.0

Chase Garden Creek - Change 1996-2016

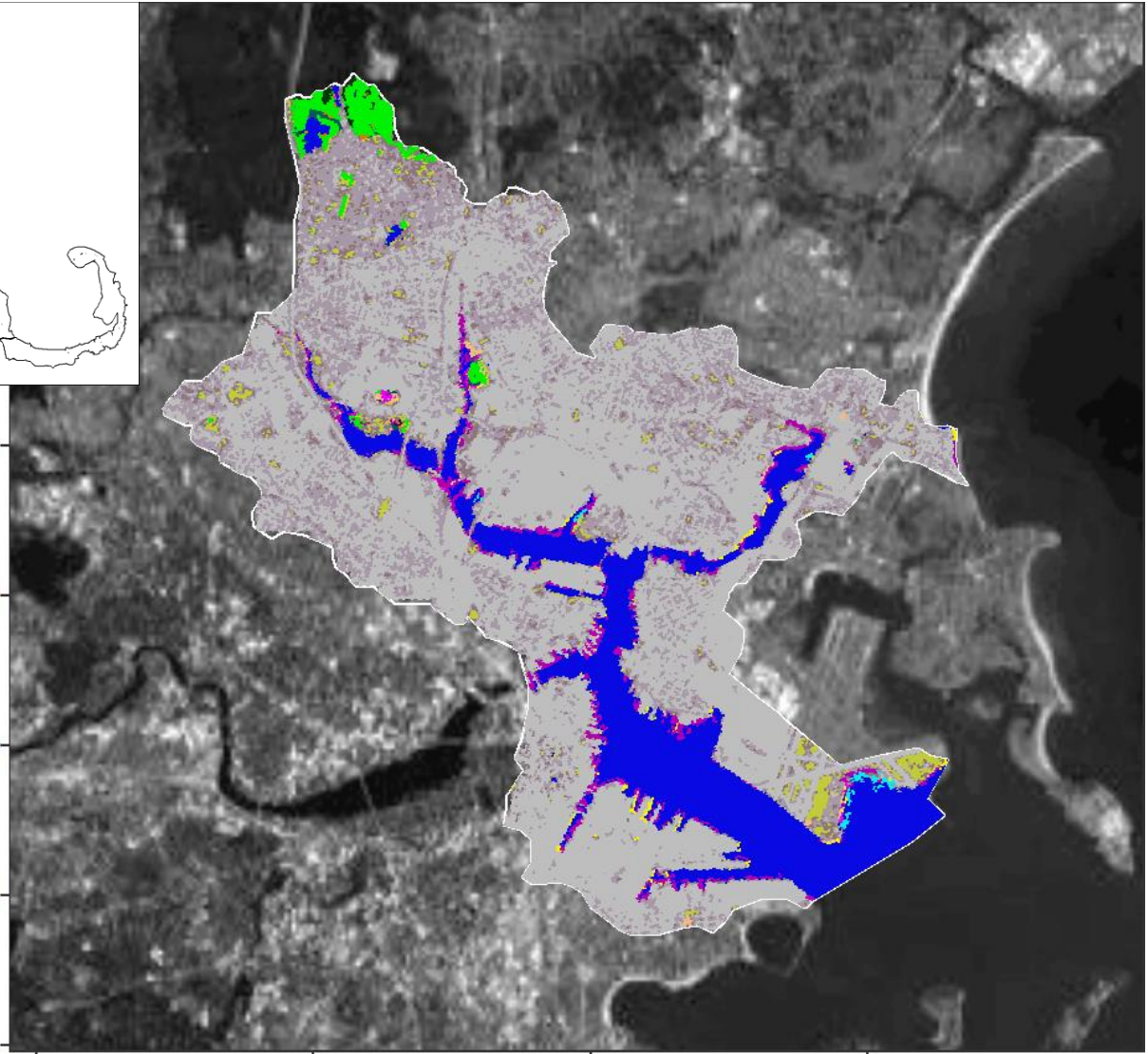


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Tidal Flats	-0.4	-1.2	0.1	-1.1
High Elev. Salt Marsh	All Others	0.1	0.0	0.0	0.0
Tidal Flats	Open Water	1.4	0.2	-0.1	0.2
Seagrass	Open Water	2.7	2.5	-0.2	2.5

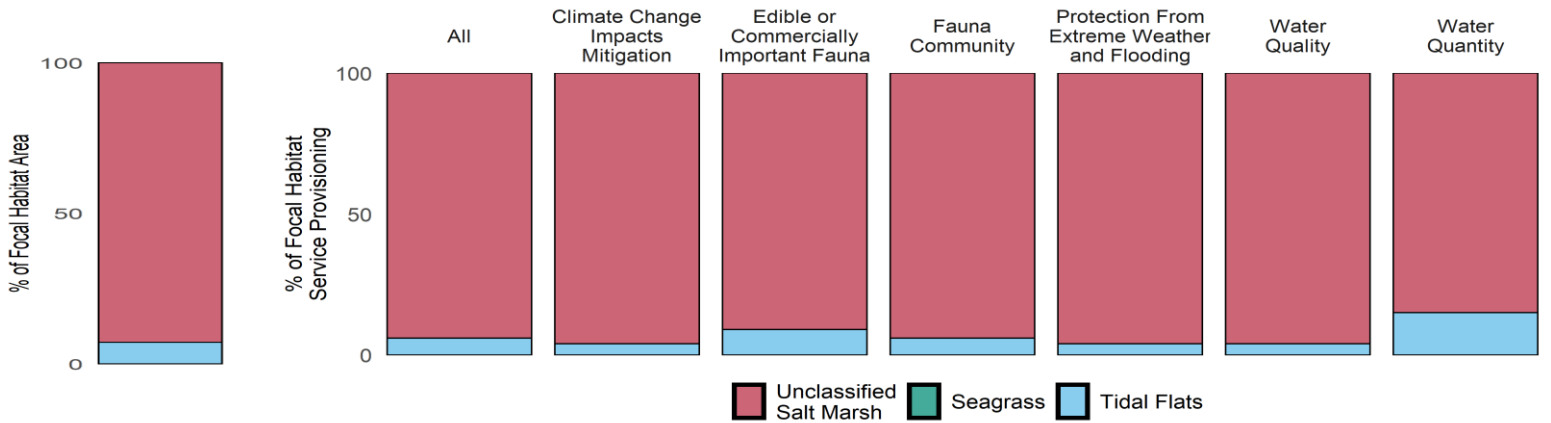
Chelsea Creek / Mystic River / Charles River - 1996



42.40°N
42.38°N
42.36°N
42.34°N
42.32°N

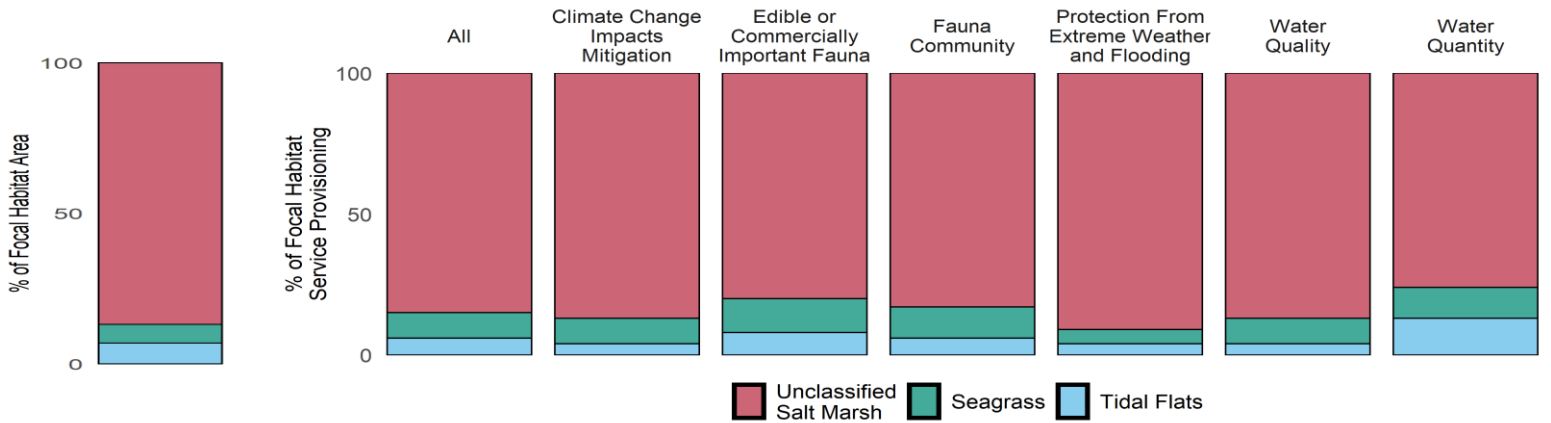
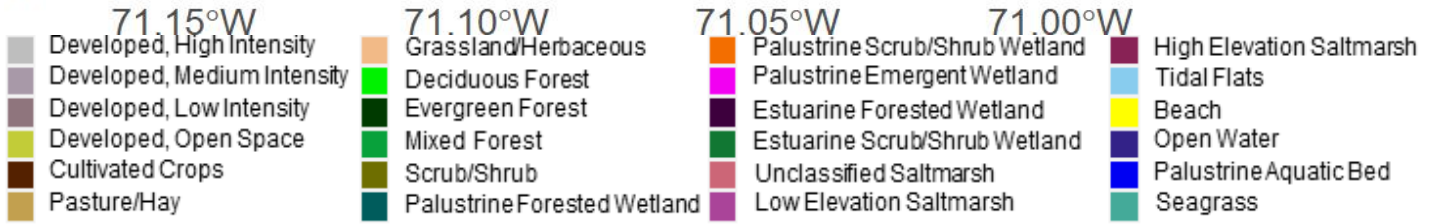
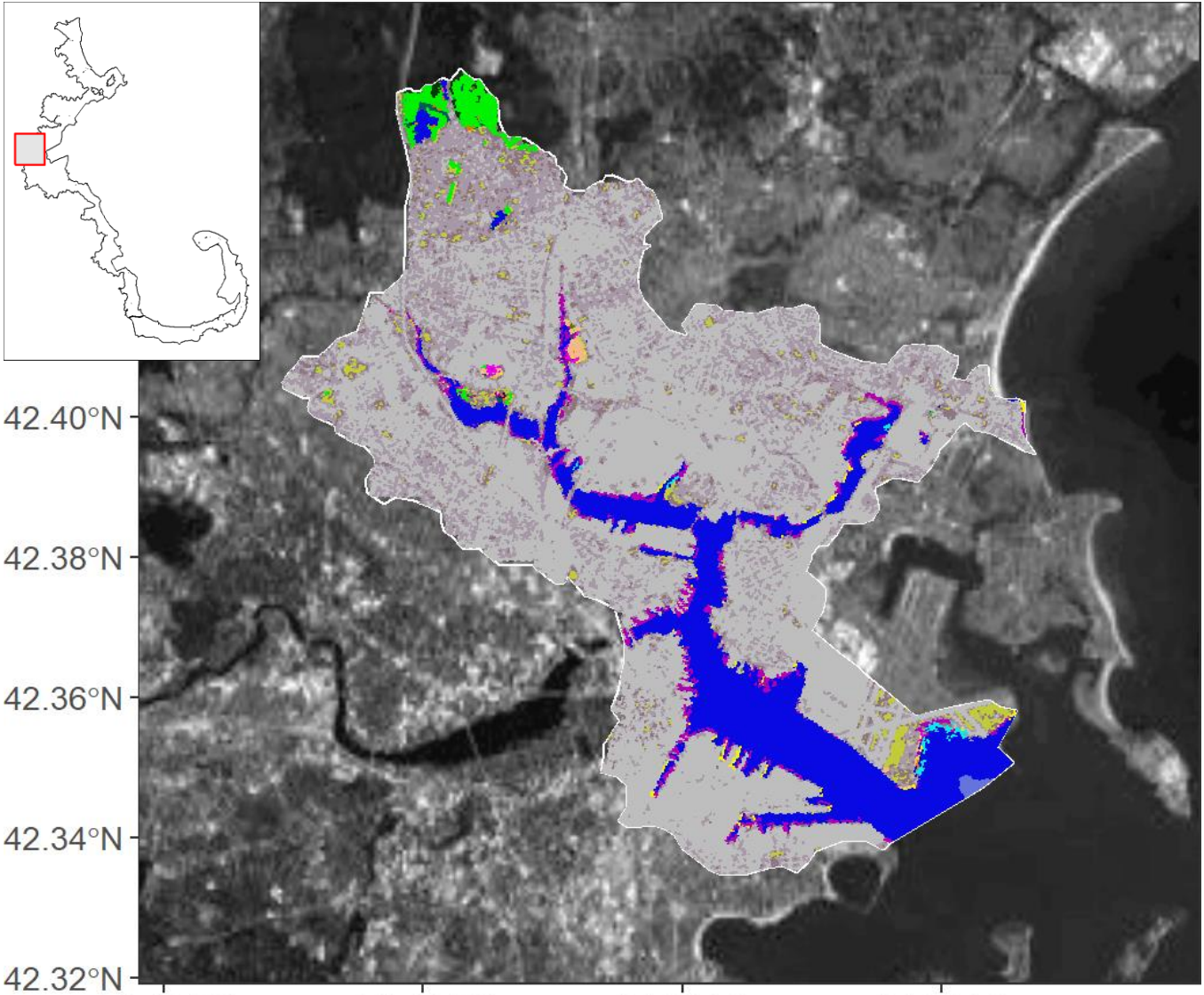


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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 71.15°W | 71.10°W | 71.05°W | 71.00°W |
| <ul style="list-style-type: none"> Developed, High Intensity Developed, Medium Intensity Developed, Low Intensity Developed, Open Space Cultivated Crops Pasture/Hay | <ul style="list-style-type: none"> Grassland/Herbaceous Deciduous Forest Evergreen Forest Mixed Forest Scrub/Shrub Palustrine Forested Wetland | <ul style="list-style-type: none"> Palustrine Scrub/Shrub Wetland Palustrine Emergent Wetland Estuarine Forested Wetland Estuarine Scrub/Shrub Wetland Unclassified Saltmarsh Low Elevation Saltmarsh | <ul style="list-style-type: none"> High Elevation Saltmarsh Tidal Flats Beach Open Water Palustrine Aquatic Bed Seagrass |



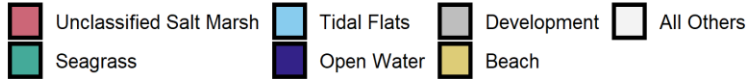
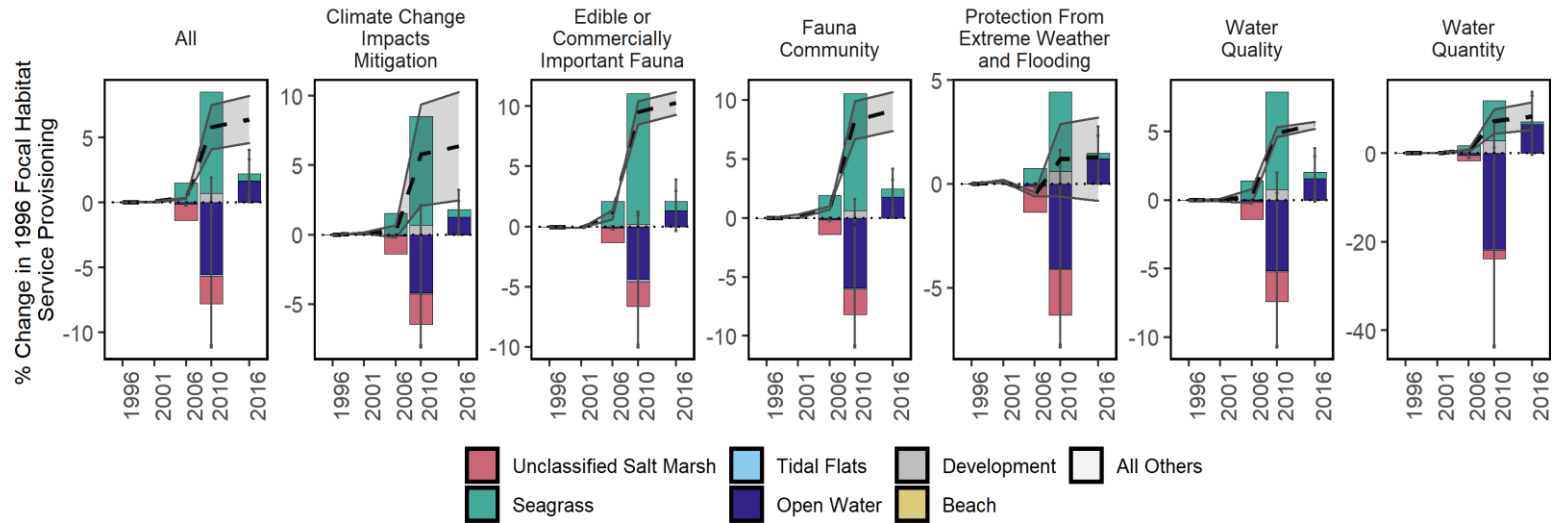
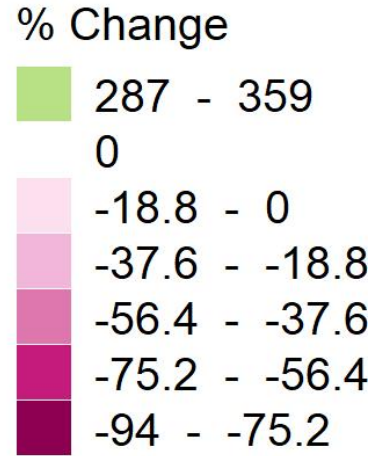
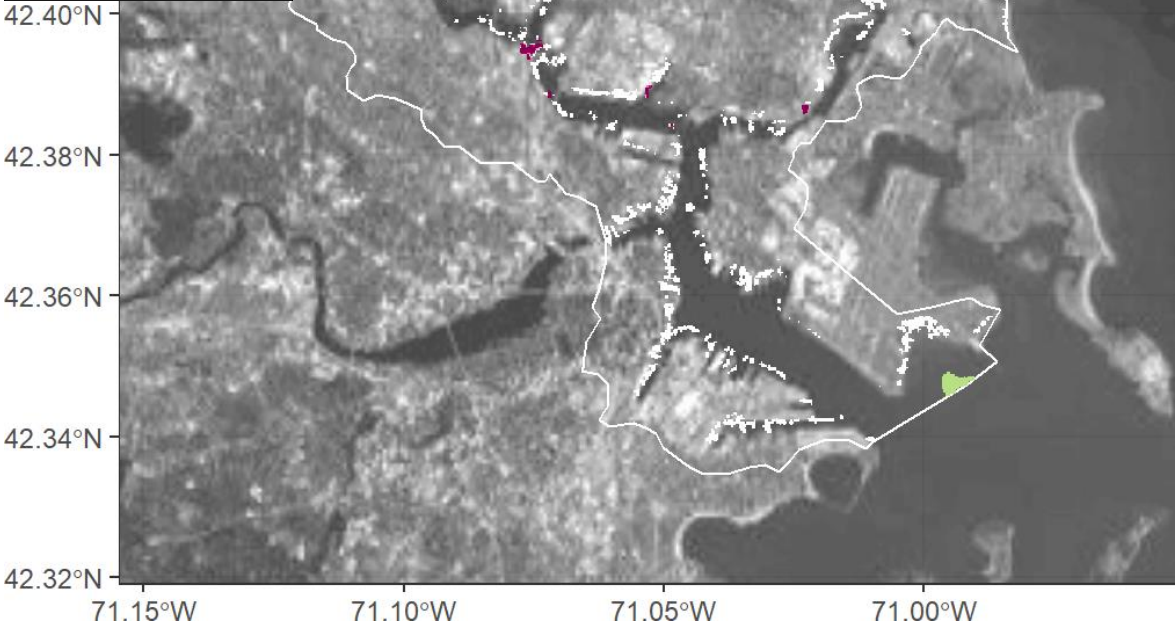
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	12,265.2	153.2	0	0	142.2	0	11.1
Percent Focal	8,003.4	100.0	0	0	92.8	0	7.2
Percent All	100.0	1.2	0	0	1.2	0	0.1

Chelsea Creek / Mystic River / Charles River - 2016



Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	12,265.2	157.6	0	0	137.1	9.7	10.9
Percent Focal	7,780.5	100.0	0	0	86.9	6.2	6.9
Percent All	100.0	1.3	0	0	1.1	0.1	0.1

Chelsea Creek / Mystic River / Charles River - Change 1996-2016

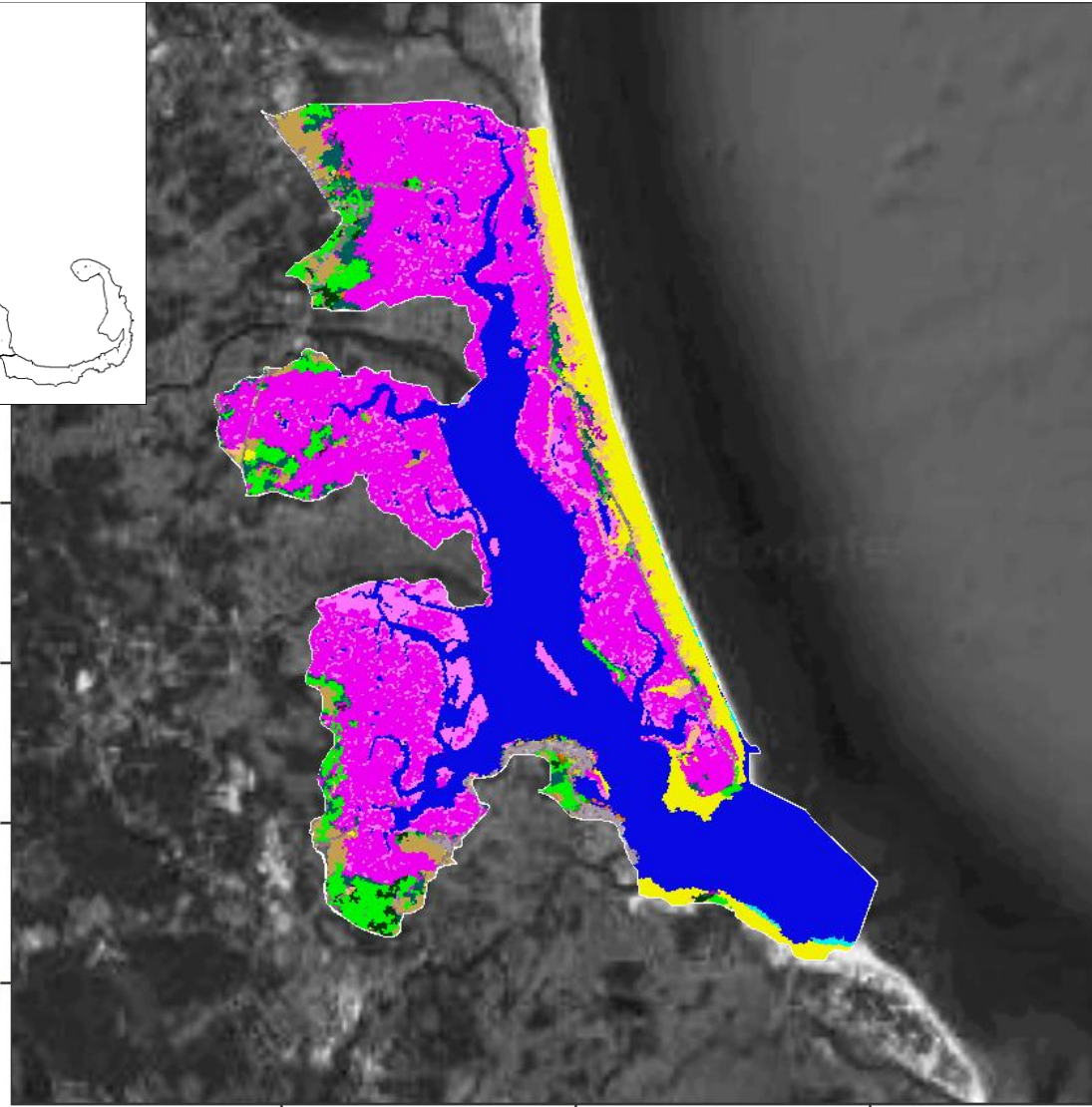


Focal Habitat	Conversion Habitat	Area Converted (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Development	-5.1	-3.4	1.2	-3.4
Tidal Flats	Development	-0.1	0.0	0.0	0.0
Tidal Flats	Open Water	-0.1	0.0	-0.4	0.0
Seagrass	Open Water	9.7	9.9	-3.6	9.9

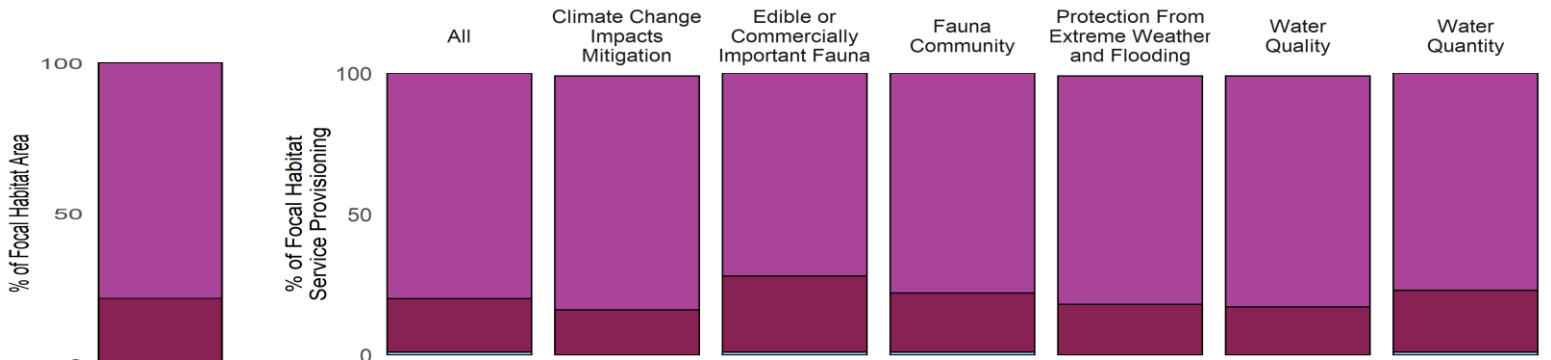
Coastal Plum Island Sound - 1996



42.74°N
42.72°N
42.70°N
42.68°N



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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Developed, High Intensity Developed, Medium Intensity Developed, Low Intensity Developed, Open Space Cultivated Crops Pasture/Hay | <ul style="list-style-type: none"> Grassland/Herbaceous Deciduous Forest Evergreen Forest Mixed Forest Scrub/Shrub Palustrine Forested Wetland | <ul style="list-style-type: none"> Palustrine Scrub/Shrub Wetland Palustrine Emergent Wetland Estuarine Forested Wetland Estuarine Scrub/Shrub Wetland Unclassified Saltmarsh Low Elevation Saltmarsh | <ul style="list-style-type: none"> High Elevation Saltmarsh Tidal Flats Beach Open Water Palustrine Aquatic Bed Seagrass |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



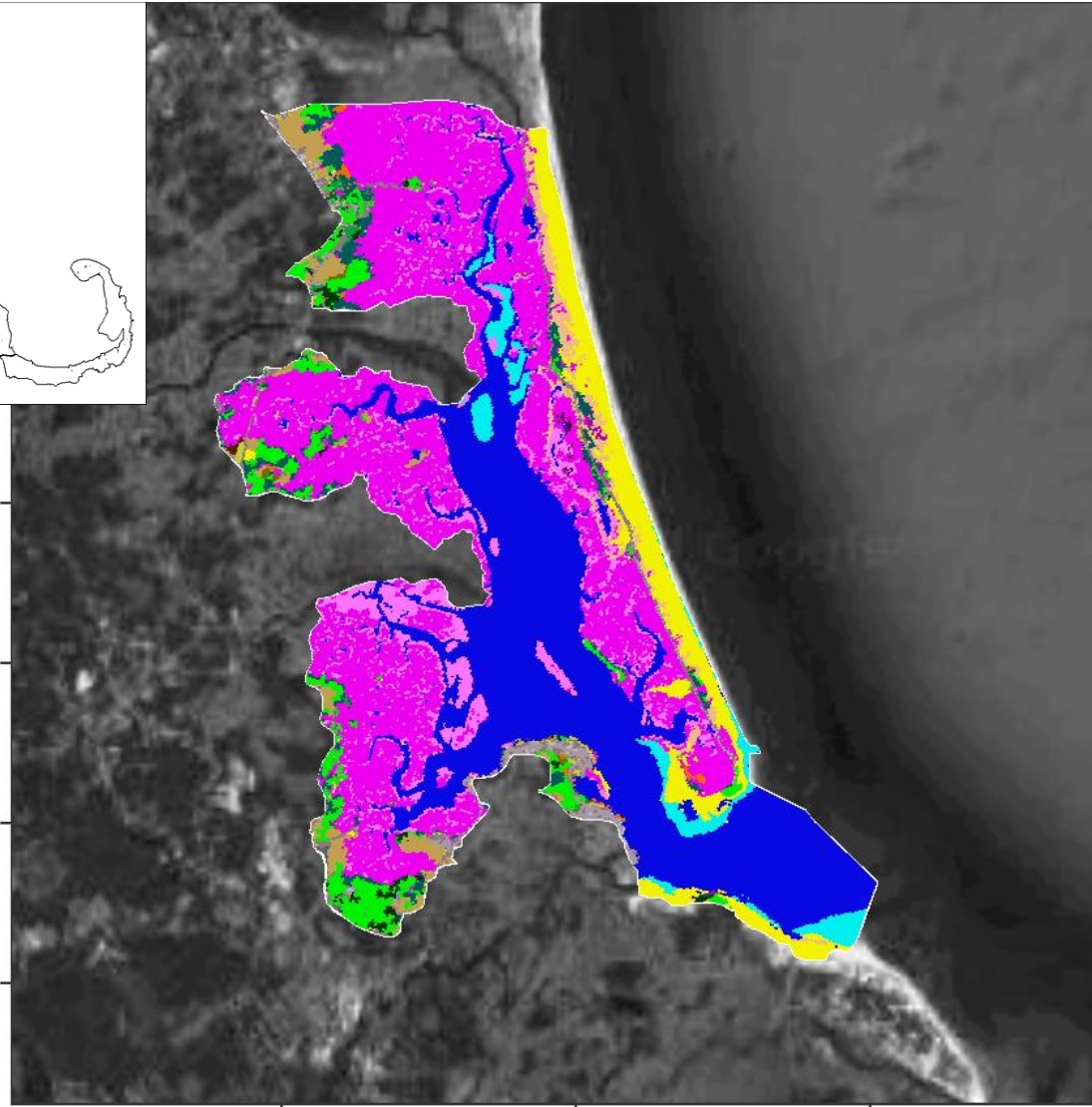
- | | | | |
|---------------------------|--------------------------|-------------------------|-------------|
| High Elevation Salt Marsh | Low Elevation Salt Marsh | Unclassified Salt Marsh | Tidal Flats |
|---------------------------|--------------------------|-------------------------|-------------|

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	8,979.0	1,991.4	1,559.0	413.7	5.8	0	12.9
Percent Focal	450.9	100.0	78.3	20.8	0.3	0	0.6
Percent All	100.0	22.2	17.4	4.6	0.1	0	0.1

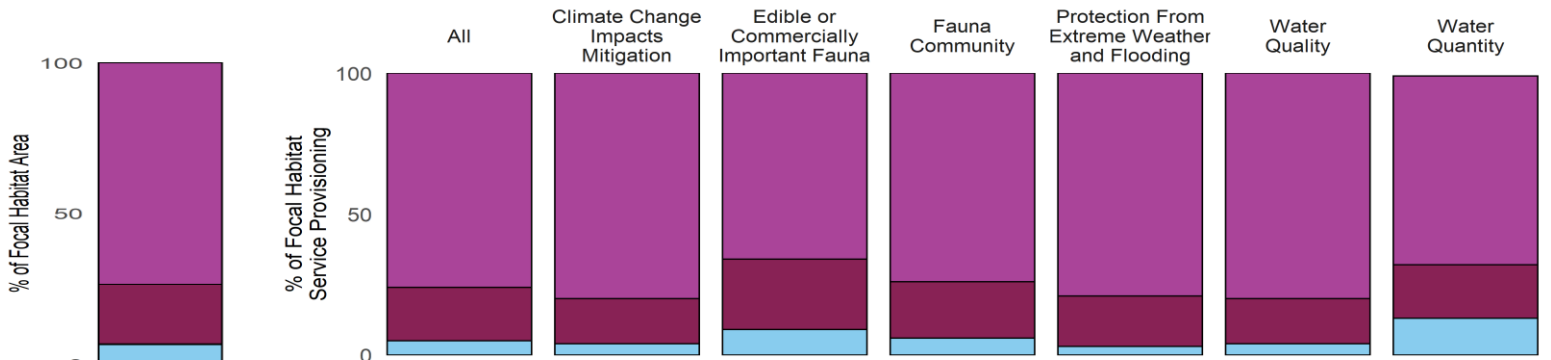
Coastal Plum Island Sound - 2016



42.74°N
42.72°N
42.70°N
42.68°N



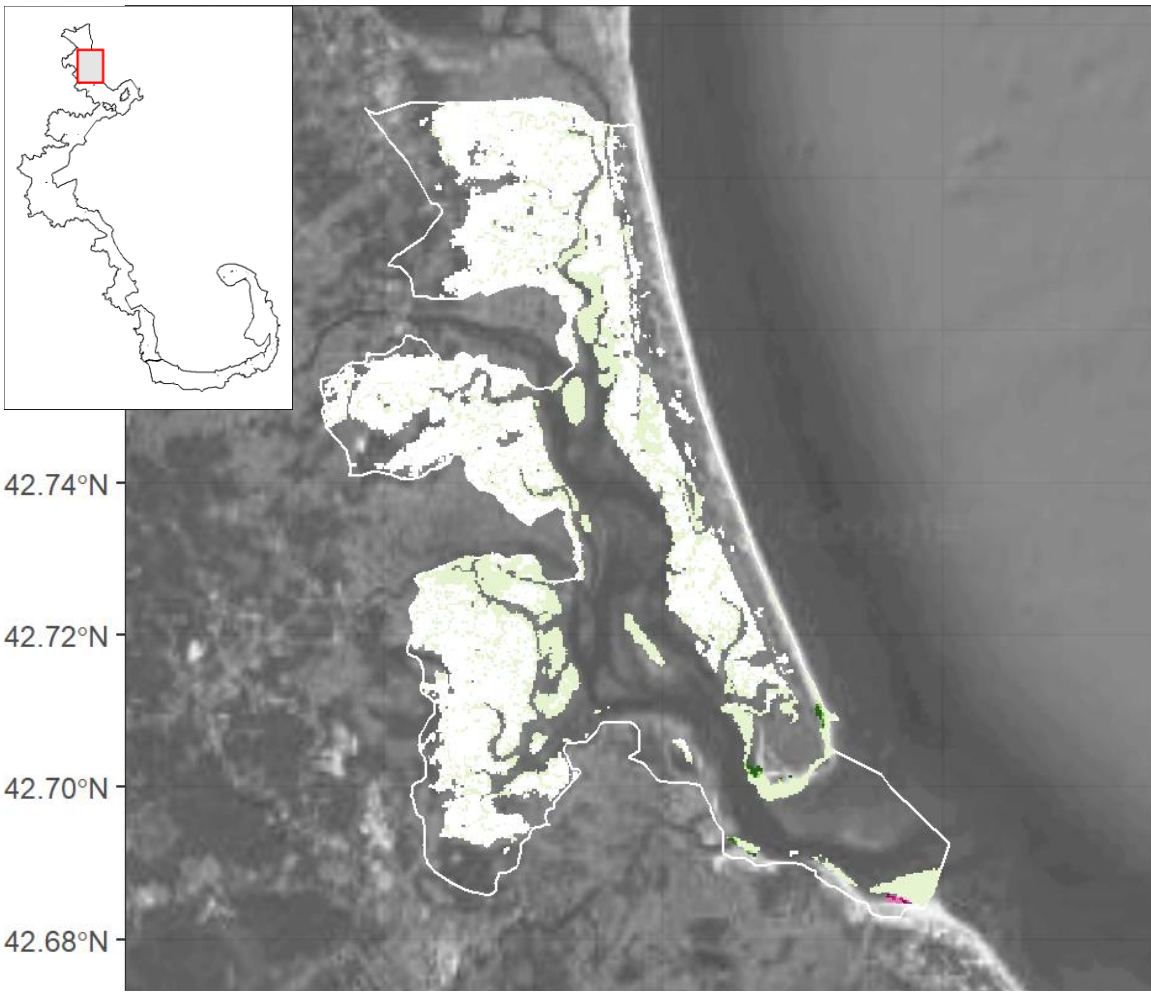
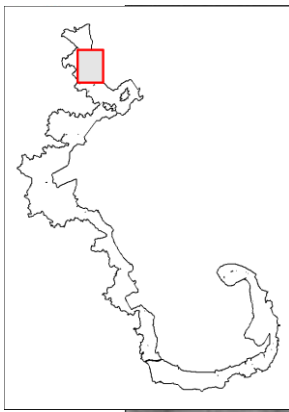
- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



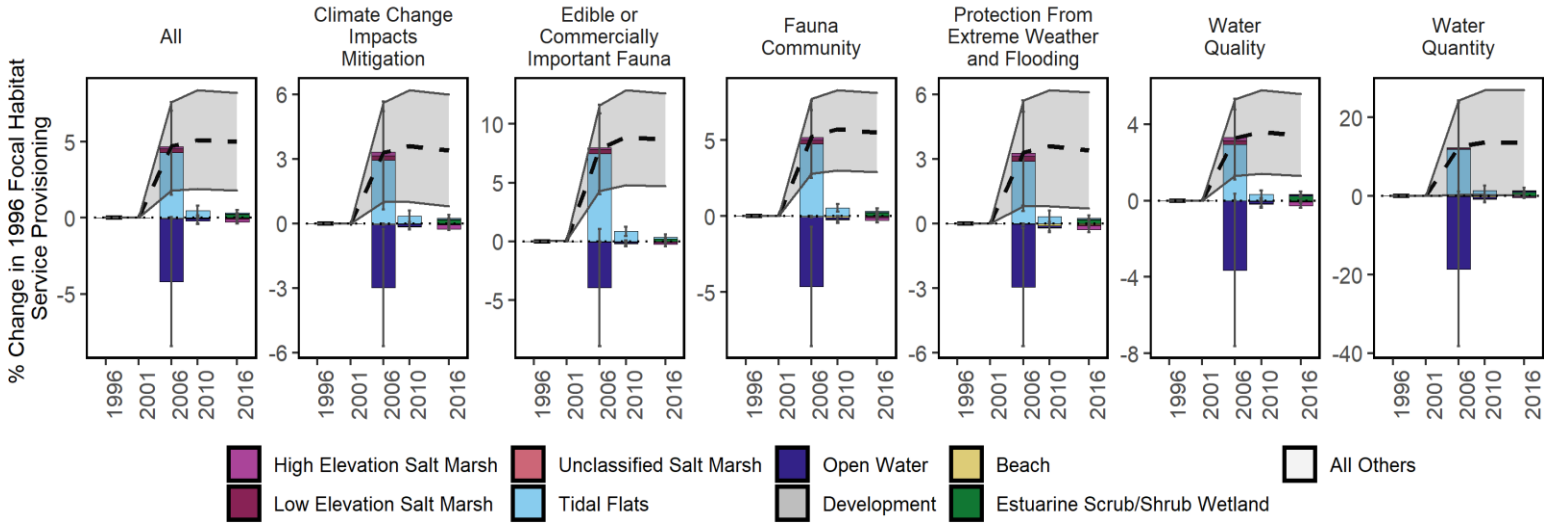
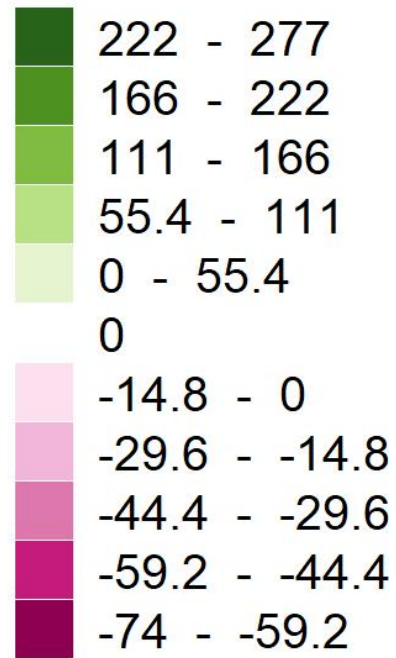
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh
- Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	8,979	2,117.6	1,558.7	417.3	5.8	0	135.9
Percent Focal	424	100.0	73.6	19.7	0.3	0	6.4
Percent All	100	23.6	17.4	4.6	0.1	0	1.5

Coastal Plum Island Sound - Change 1996-2016



% Change

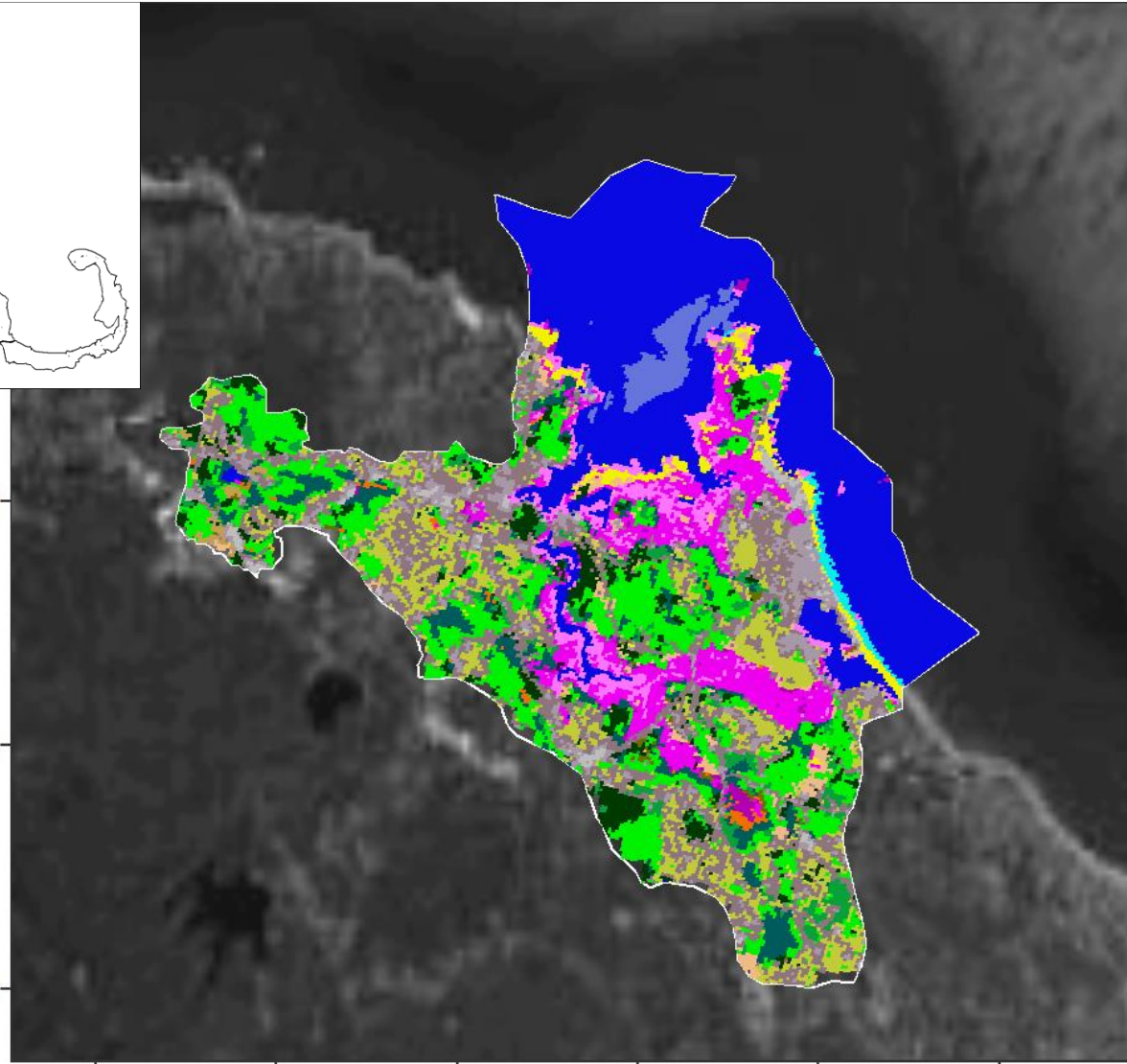


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-3.2	-0.2	0.2	-0.2
Tidal Flats	All Others	-1.1	0.0	0.0	0.0
Low Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.9	0.0	0.1	0.0
Low Elev. Salt Marsh	Tidal Flats	-0.6	0.0	0.0	0.0
High Elev. Salt Marsh	Open Water	0.7	0.0	0.0	0.0
High Elev. Salt Marsh	All Others	2.3	0.1	-0.1	0.1
Tidal Flats	Beach	3.8	0.1	0.0	0.1
Low Elev. Salt Marsh	Open Water	5.1	0.2	-0.2	0.2
Tidal Flats	Open Water	119.6	4.7	-4.2	4.7

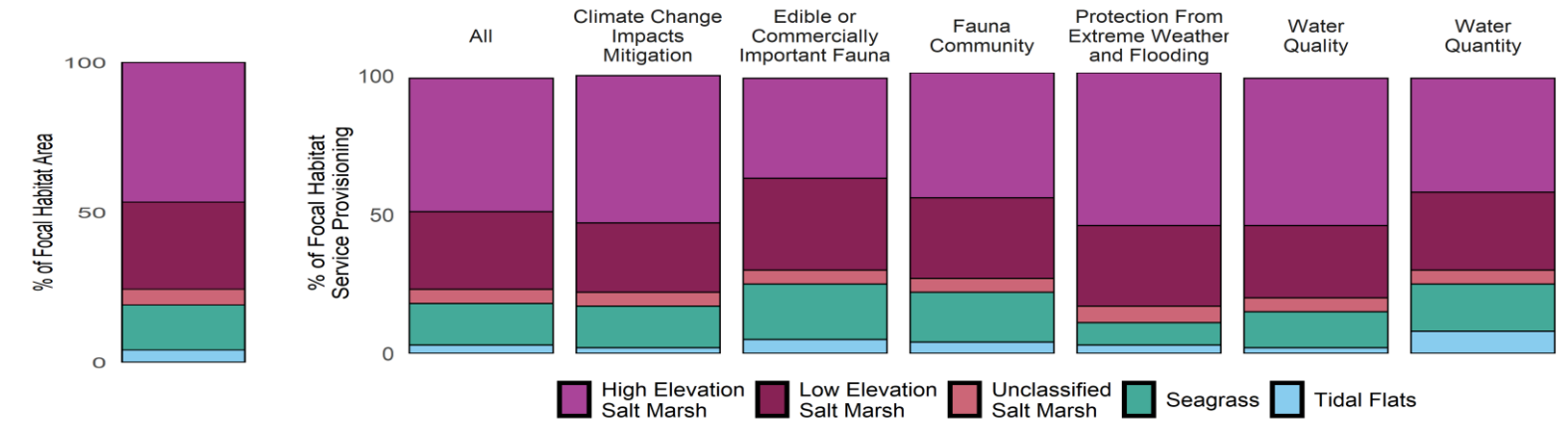
Cohasset Harbor - 1996



42.24°N
42.22°N
42.20°N



- | | | | |
|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

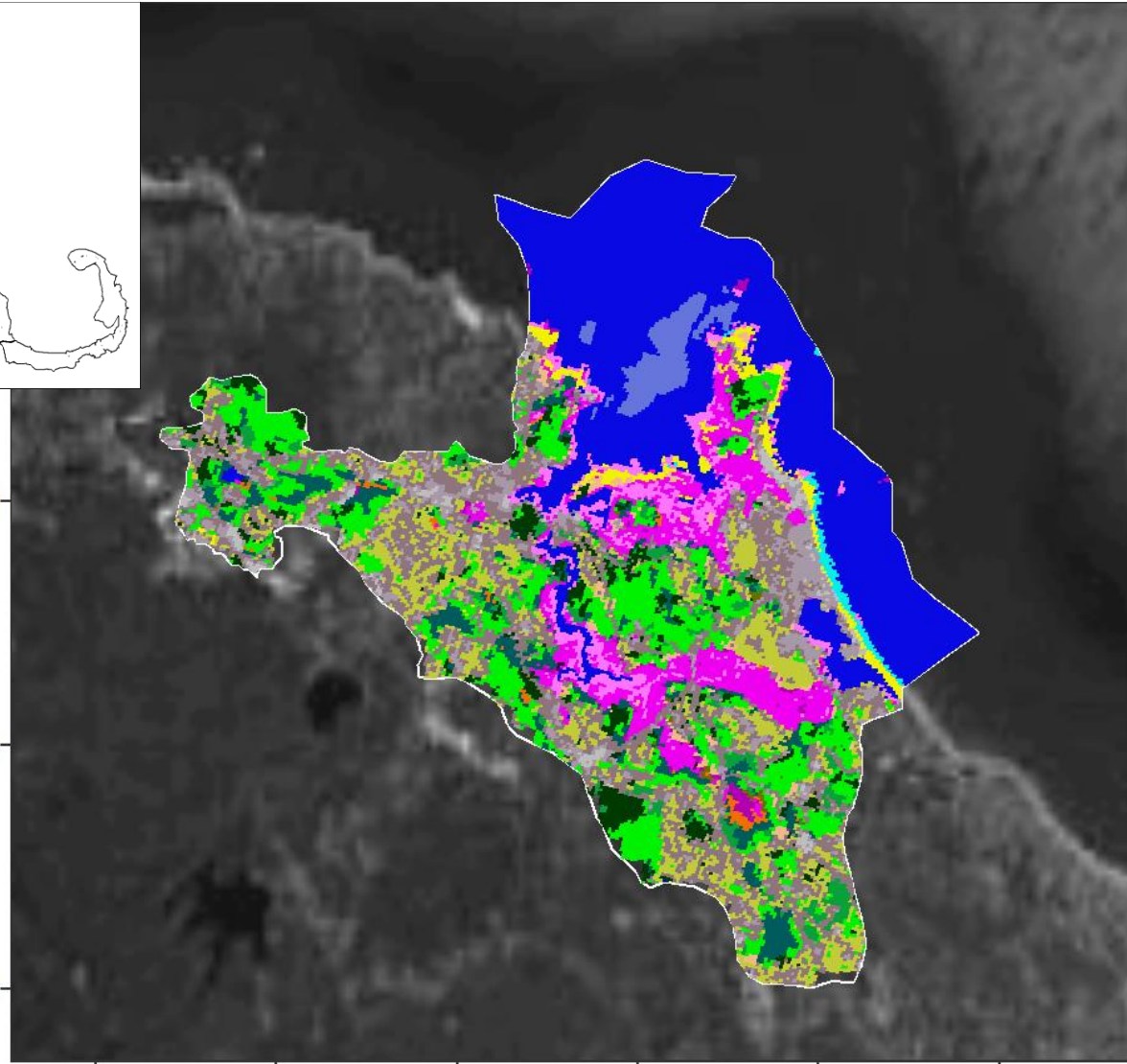


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	4,436.3	302.7	140.8	88.1	15.8	45.5	12.5
Percent Focal	1,465.6	100.0	46.5	29.1	5.2	15.0	4.1
Percent All	100.0	6.8	3.2	2.0	0.4	1.0	0.3

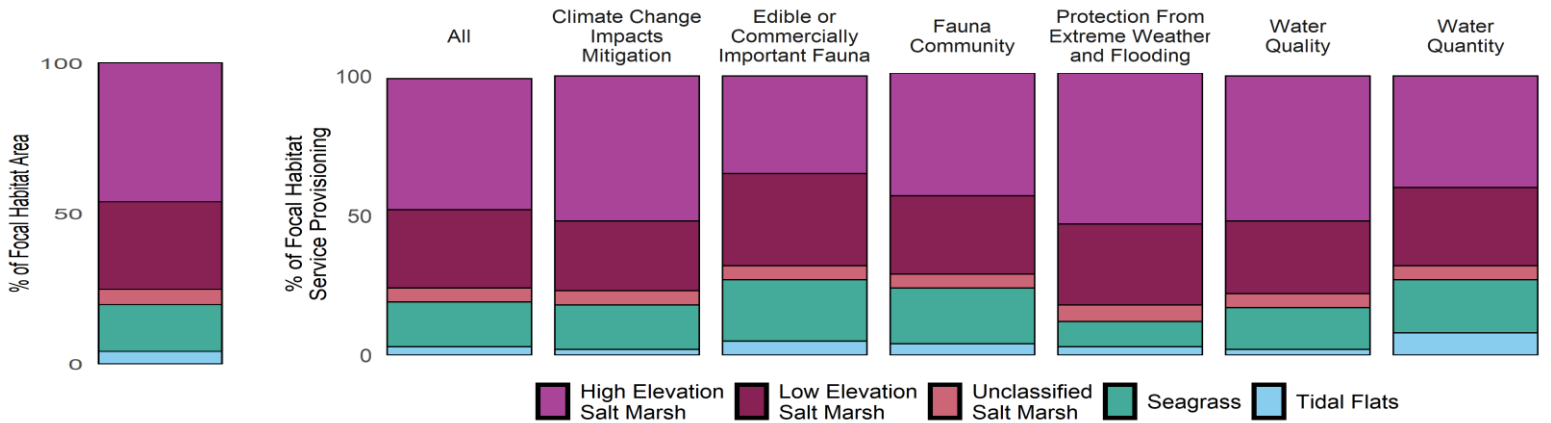
Cohasset Harbor - 2016



42.24°N
42.22°N
42.20°N

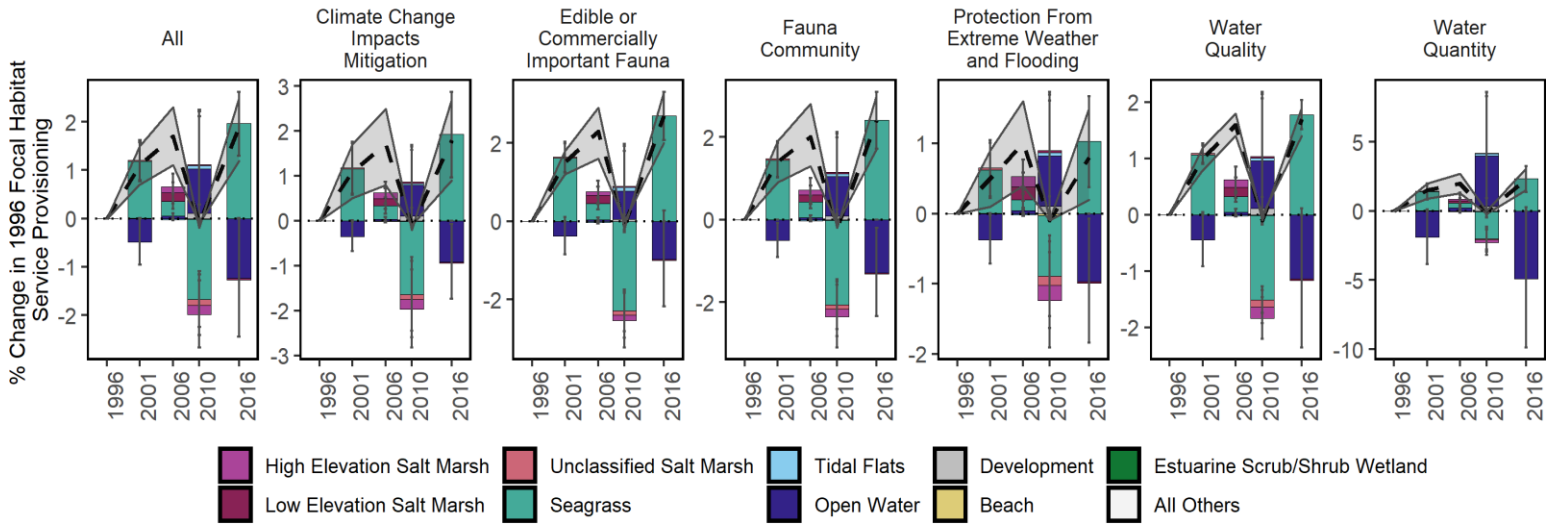
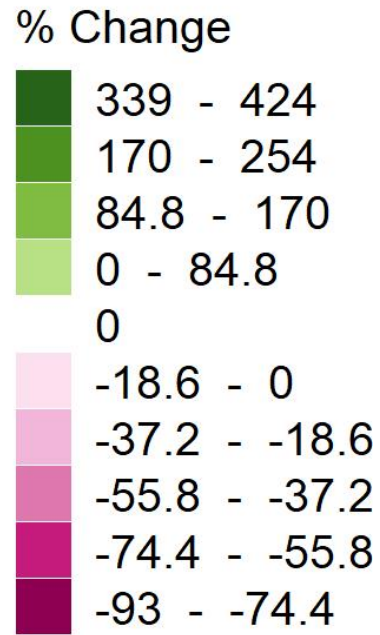
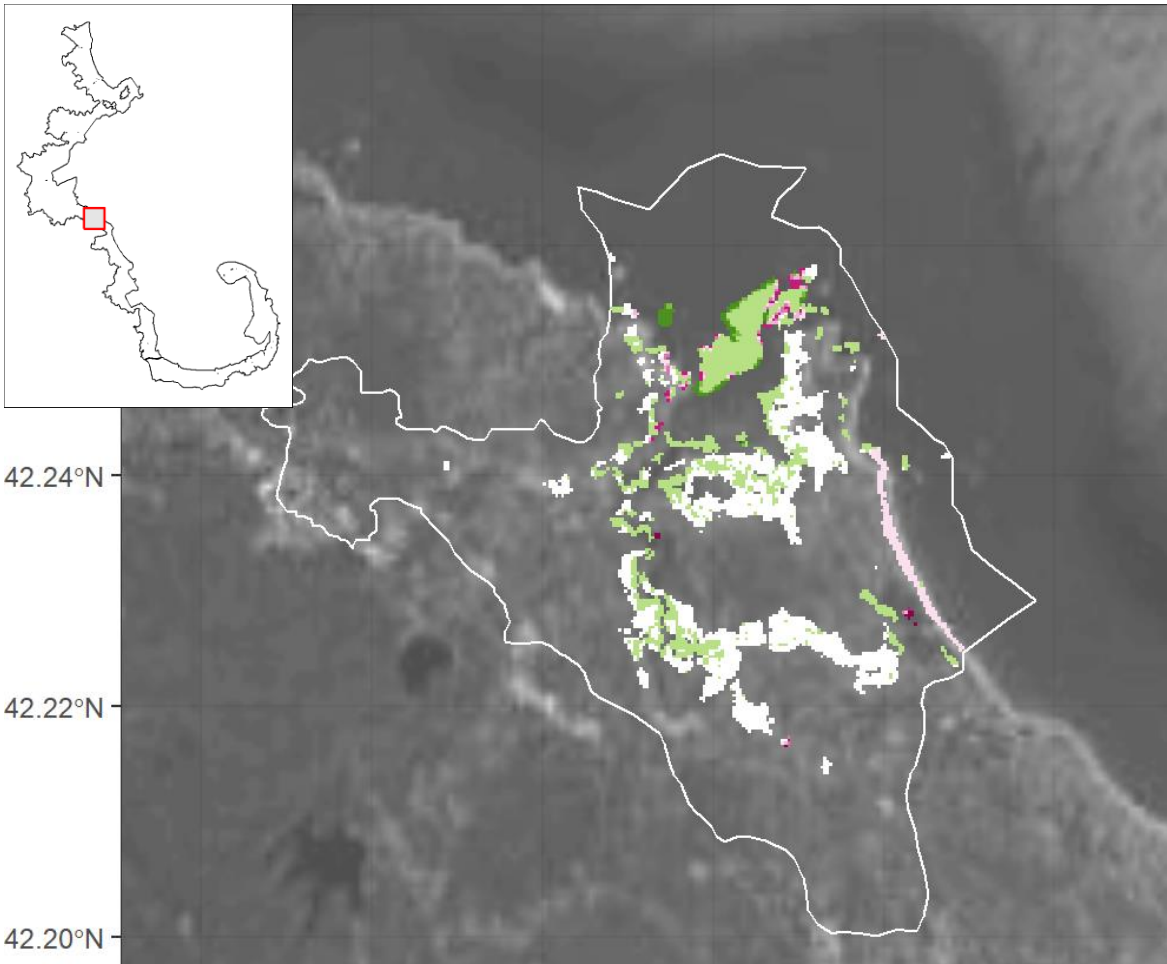


- 70.84°W
 - 70.82°W
 - 70.80°W
 - 70.78°W
 - 70.76°W
 - 70.74°W
- Developed, High Intensity
 - Developed, Medium Intensity
 - Developed, Low Intensity
 - Developed, Open Space
 - Cultivated Crops
 - Pasture/Hay
 - Grassland/Herbaceous
 - Deciduous Forest
 - Evergreen Forest
 - Mixed Forest
 - Scrub/Shrub
 - Palustrine Forested Wetland
 - Palustrine Scrub/Shrub Wetland
 - Palustrine Emergent Wetland
 - Estuarine Forested Wetland
 - Estuarine Scrub/Shrub Wetland
 - Unclassified Saltmarsh
 - Low Elevation Saltmarsh
 - High Elevation Saltmarsh
 - Tidal Flats
 - Beach
 - Open Water
 - Palustrine Aquatic Bed
 - Seagrass



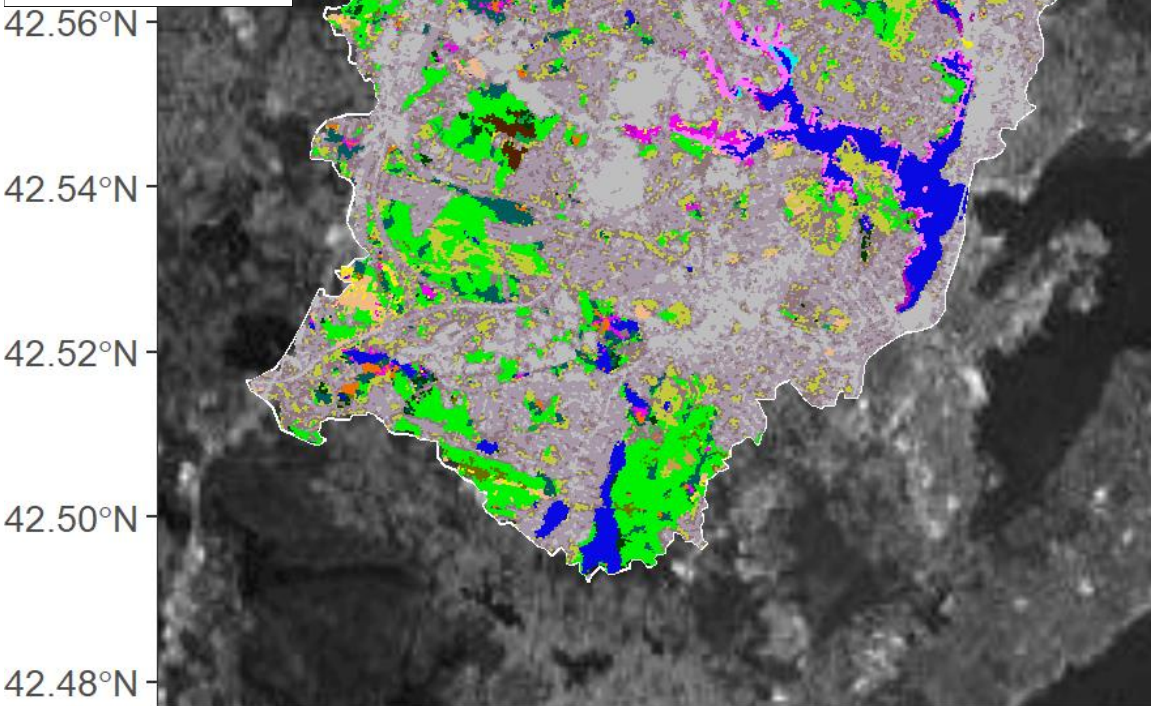
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	4,436.3	304.8	140.7	88.6	15.6	47.2	12.7
Percent Focal	1,455.7	100.0	46.2	29.1	5.1	15.5	4.2
Percent All	100.0	6.9	3.2	2.0	0.4	1.1	0.3

Cohasset Harbor - Change 1996-2016

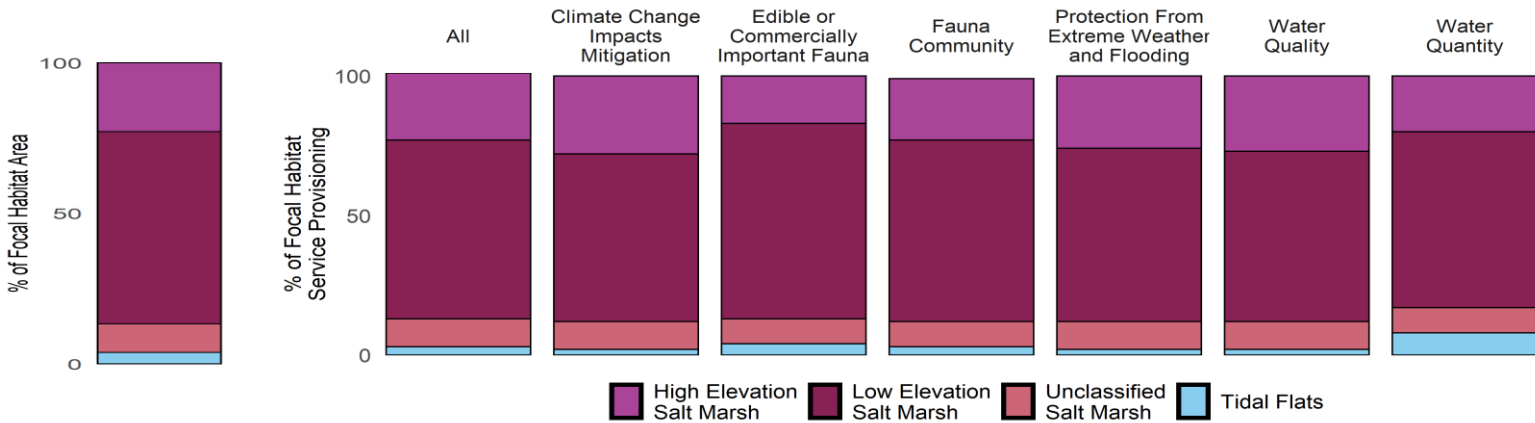


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Development	-0.5	-0.2	0.0	-0.2
Seagrass	Low Elev. Salt Marsh	-0.5	-1.0	0.2	-0.8
Unclassified Salt Marsh	Development	-0.4	-0.1	0.1	-0.1
Low Elev. Salt Marsh	Development	-0.4	-0.1	0.1	-0.1
Seagrass	Unclassified Salt Marsh	-0.1	-0.2	0.0	-0.2
Seagrass	Development	-0.1	-0.2	0.0	-0.2
Tidal Flats	Beach	0.2	0.0	0.0	0.0
High Elev. Salt Marsh	Open Water	0.4	0.1	-0.1	0.1
Low Elev. Salt Marsh	Open Water	0.4	0.1	-0.1	0.1
Seagrass	Open Water	2.5	3.2	-0.6	3.2

Danvers River - 1996

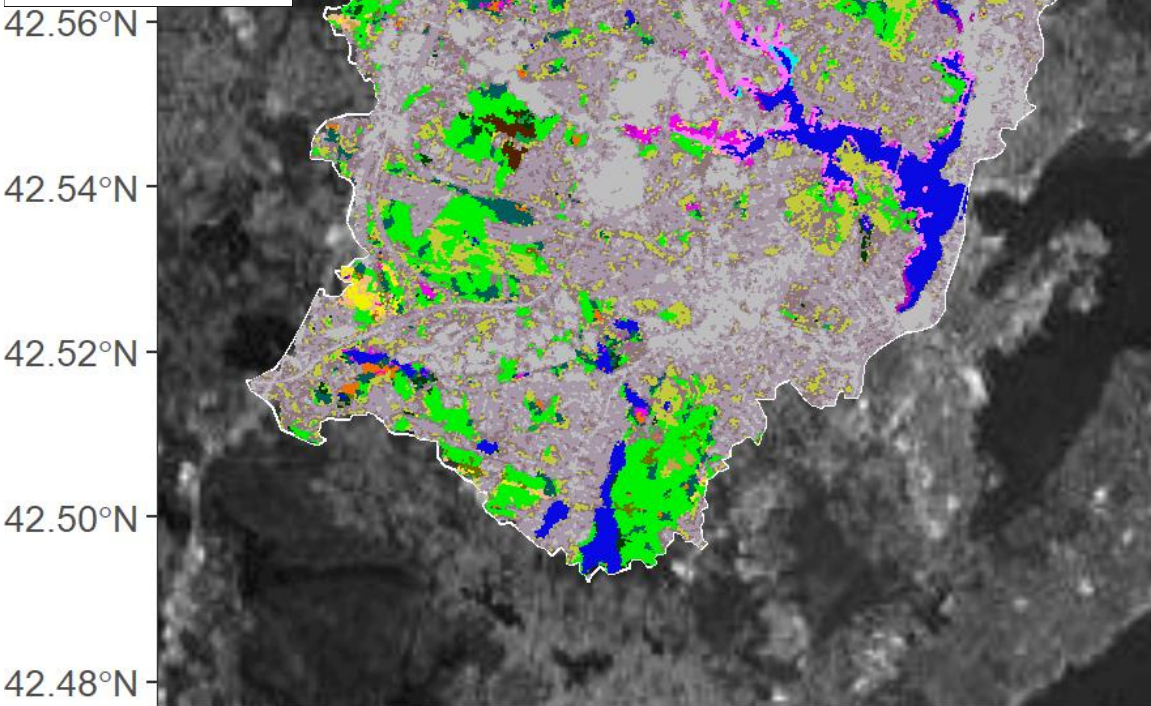
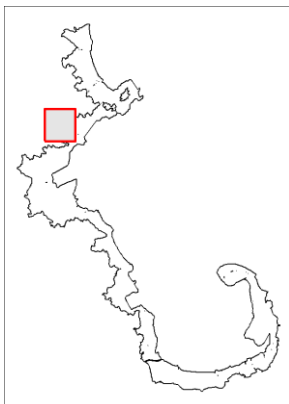


- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass

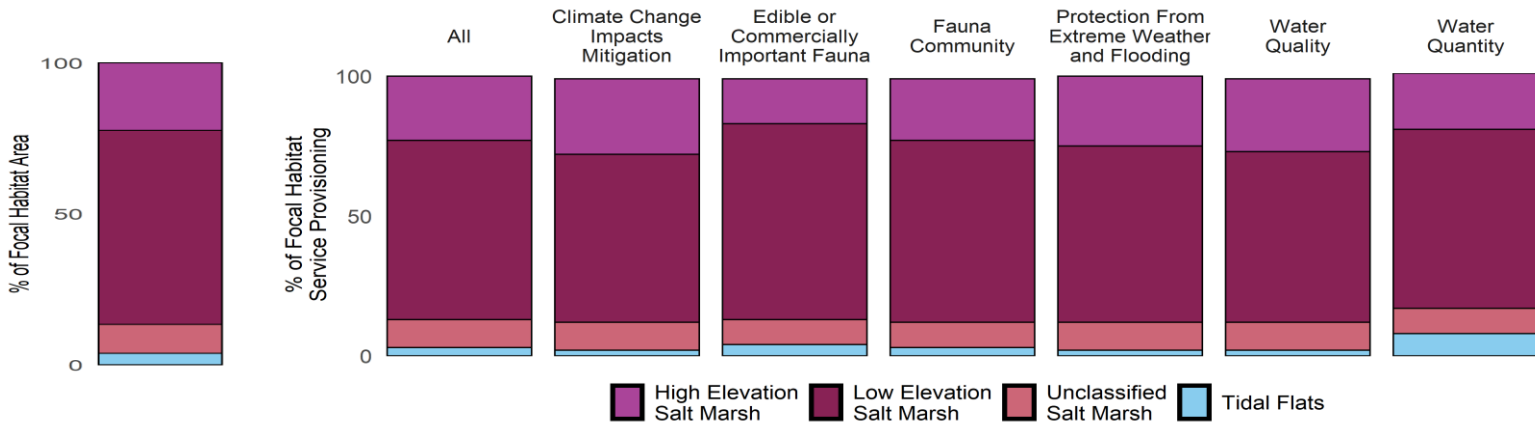


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	14,516.5	128.5	29.2	82.2	12.2	0	4.9
Percent Focal	11,295.1	100.0	22.8	63.9	9.5	0	3.8
Percent All	100.0	0.9	0.2	0.6	0.1	0	0.0

Danvers River - 2016



- Developed, High Intensity
- Deciduous Forest
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Evergreen Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Palustrine Forested Wetland
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

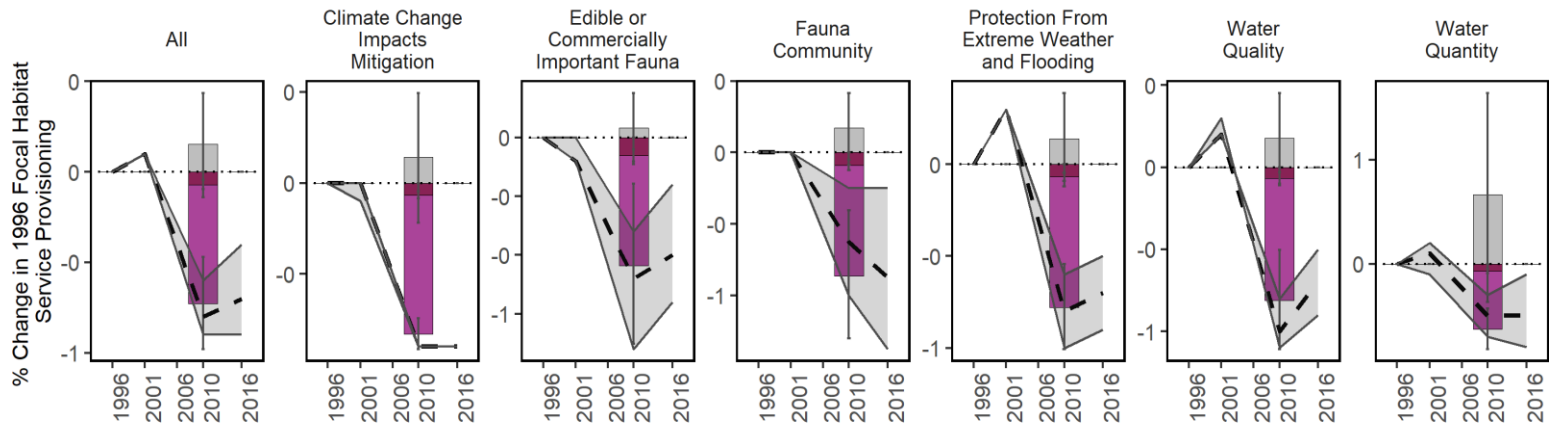
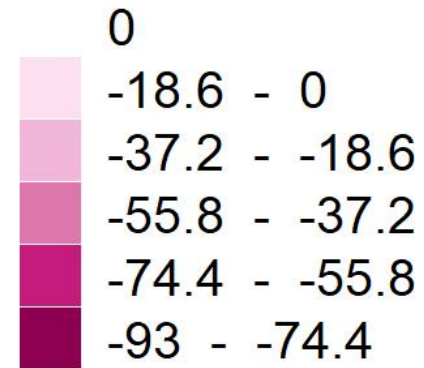


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	14,516.5	127.6	28.4	82.1	12.2	0	4.9
Percent Focal	11,374.8	100.0	22.3	64.3	9.6	0	3.8
Percent All	100.0	0.9	0.2	0.6	0.1	0	0.0

Danvers River - Change 1996-2016



% Change

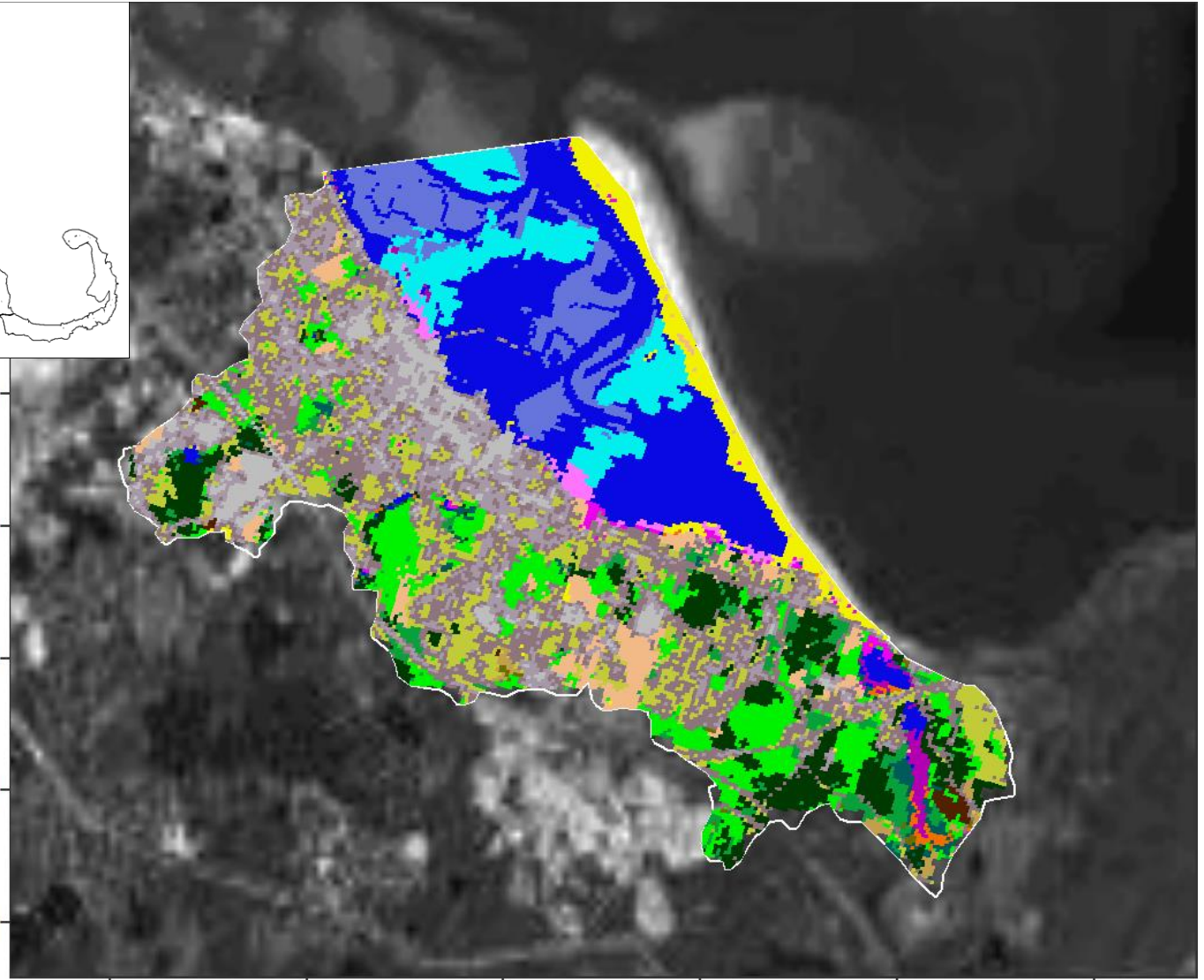


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Development	-0.8	-0.7	0.2	-0.7
Low Elev. Salt Marsh	Development	-0.1	-0.1	0.0	-0.1

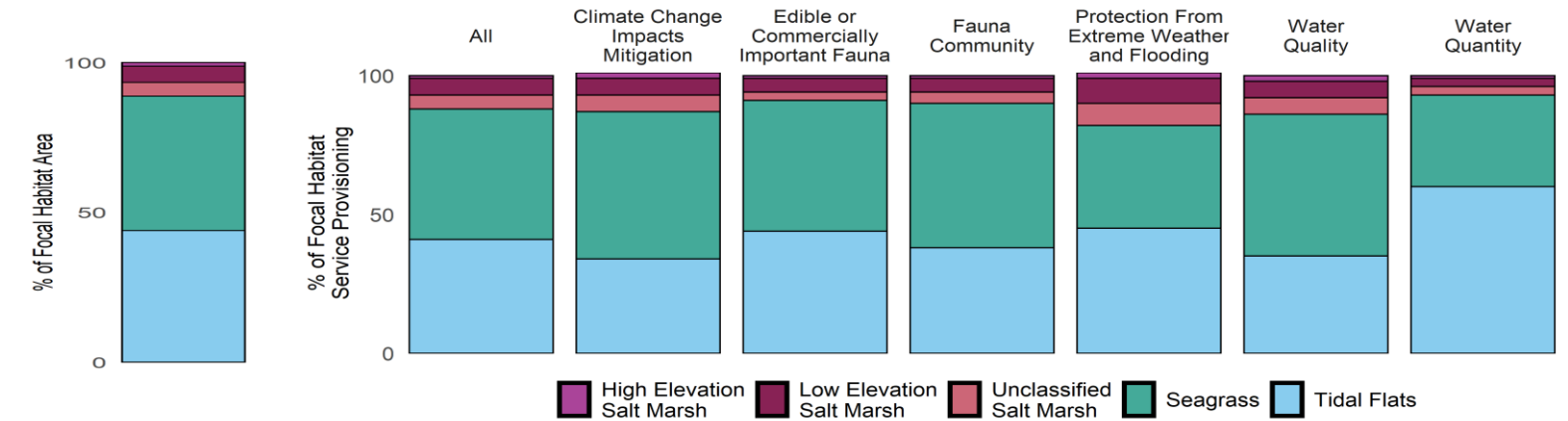
Eel River / Plymouth Harbor - 1996



41.96°N
41.95°N
41.94°N
41.93°N
41.92°N



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| <ul style="list-style-type: none"> Developed, High Intensity Developed, Medium Intensity Developed, Low Intensity Developed, Open Space Cultivated Crops Pasture/Hay | <ul style="list-style-type: none"> Grassland/Herbaceous Deciduous Forest Evergreen Forest Mixed Forest Scrub/Shrub Palustrine Forested Wetland | <ul style="list-style-type: none"> Palustrine Scrub/Shrub Wetland Palustrine Emergent Wetland Estuarine Forested Wetland Estuarine Scrub/Shrub Wetland Unclassified Saltmarsh Low Elevation Saltmarsh | <ul style="list-style-type: none"> High Elevation Saltmarsh Tidal Flats Beach Open Water Palustrine Aquatic Bed Seagrass |
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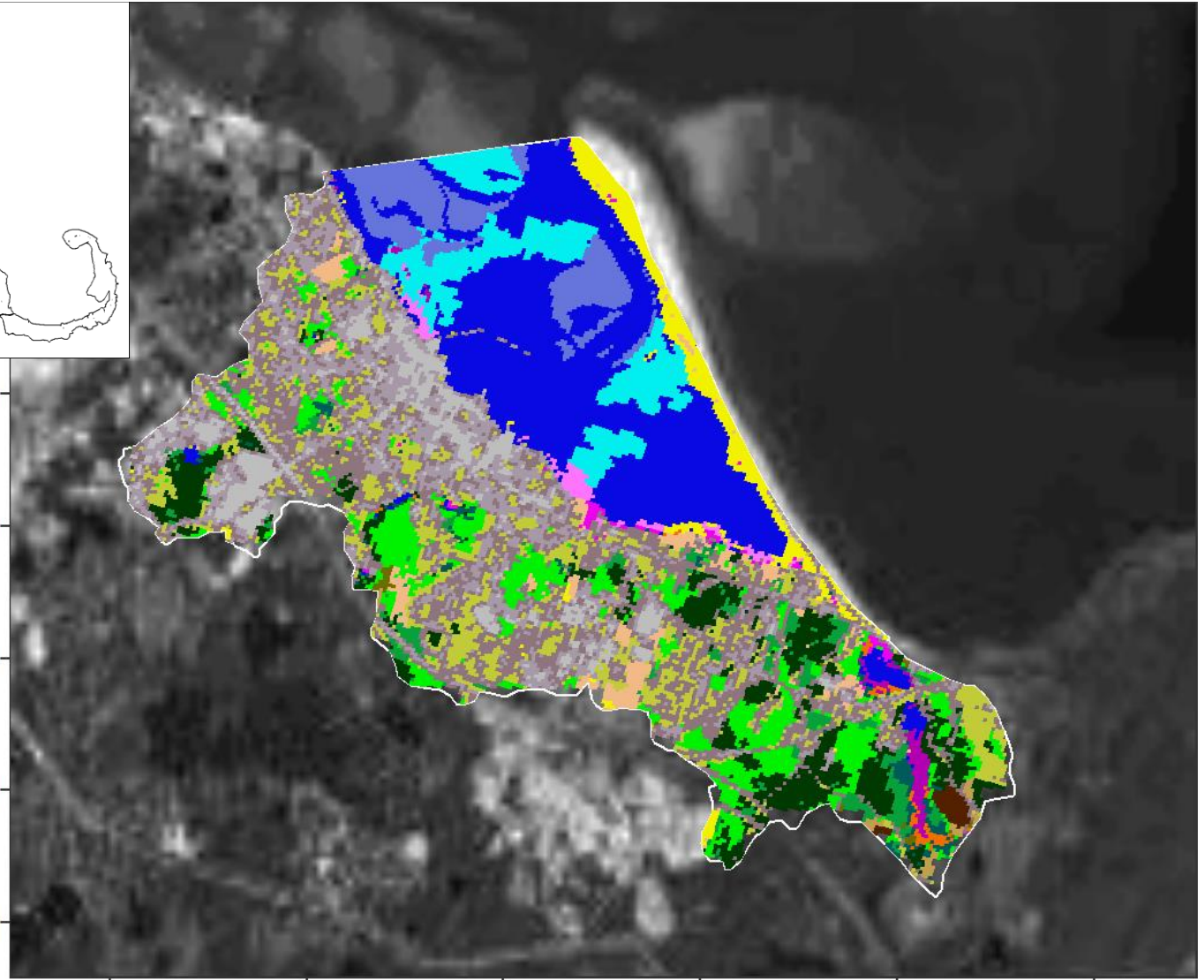


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,912.2	287.6	3.4	15.6	13.3	129.1	126.1
Percent Focal	1,360.4	100.0	1.2	5.4	4.6	44.9	43.9
Percent All	100.0	7.4	0.1	0.4	0.3	3.3	3.2

Eel River / Plymouth Harbor - 2016

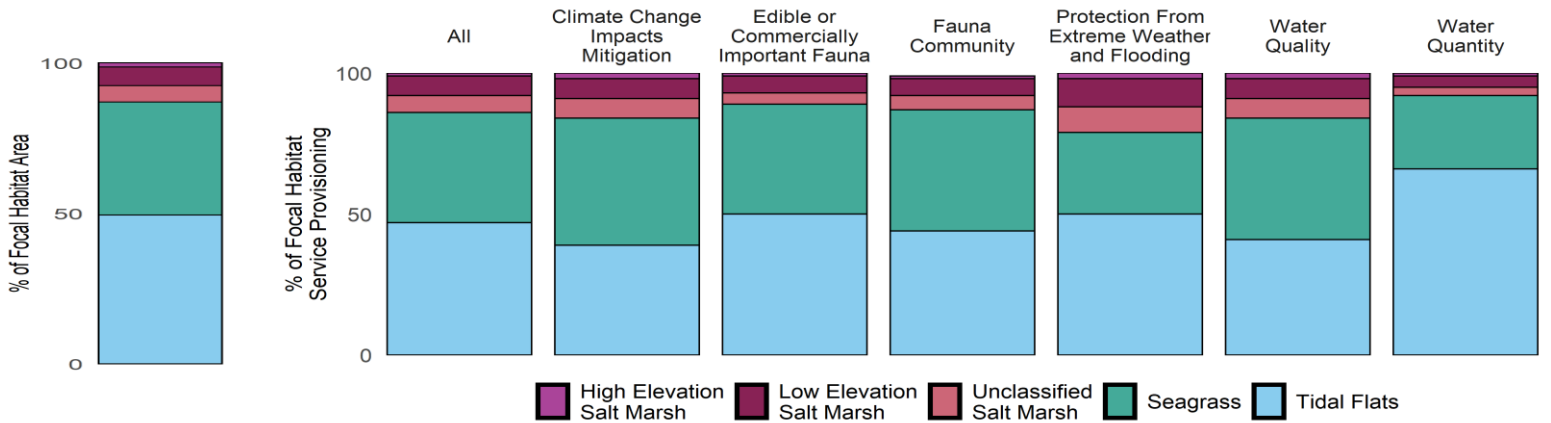


41.96°N
41.95°N
41.94°N
41.93°N
41.92°N



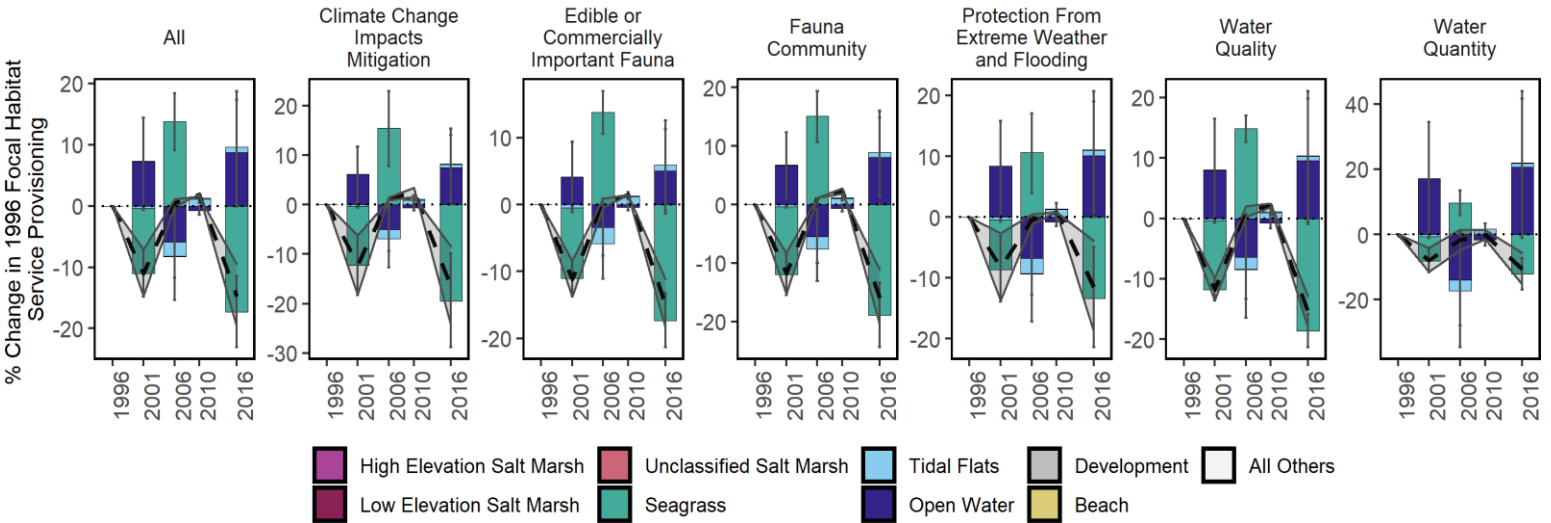
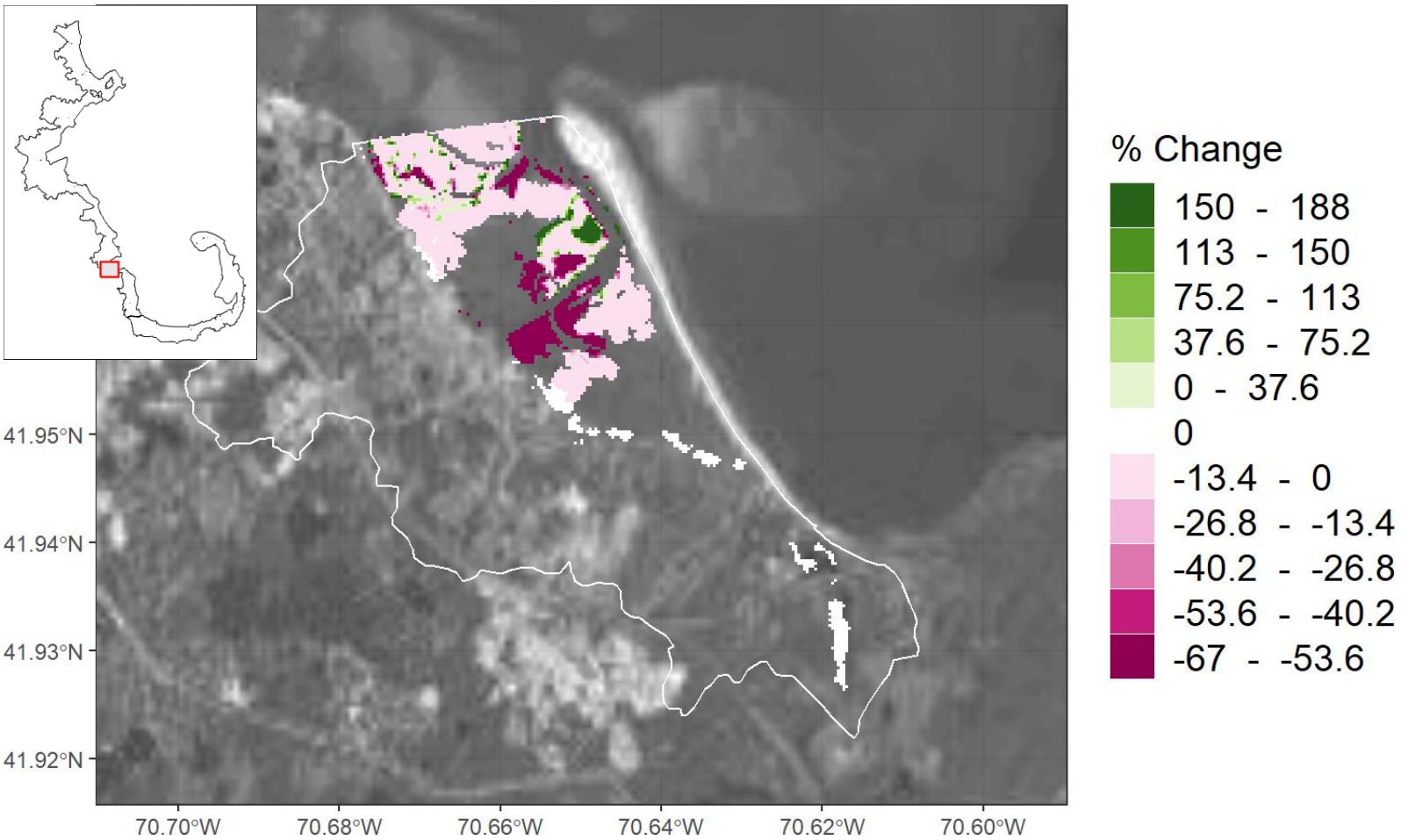
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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

70.70°W 70.68°W 70.66°W 70.64°W 70.62°W 70.60°W



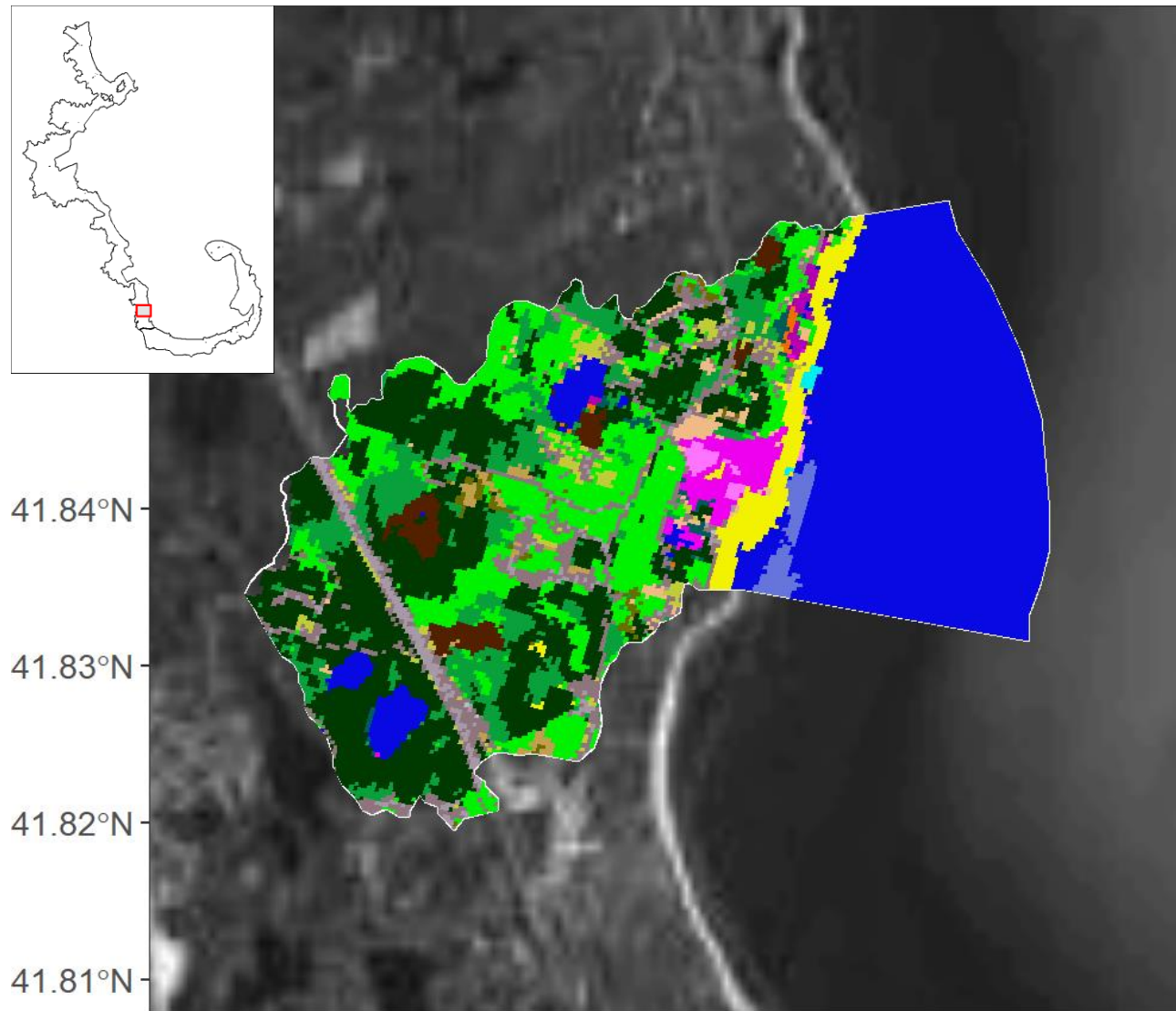
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,912.2	250.6	3.4	15.6	13.4	94.1	124.1
Percent Focal	1,560.9	100.0	1.4	6.2	5.4	37.6	49.5
Percent All	100.0	6.4	0.1	0.4	0.3	2.4	3.2

Eel River / Plymouth Harbor - Change 1996-2016

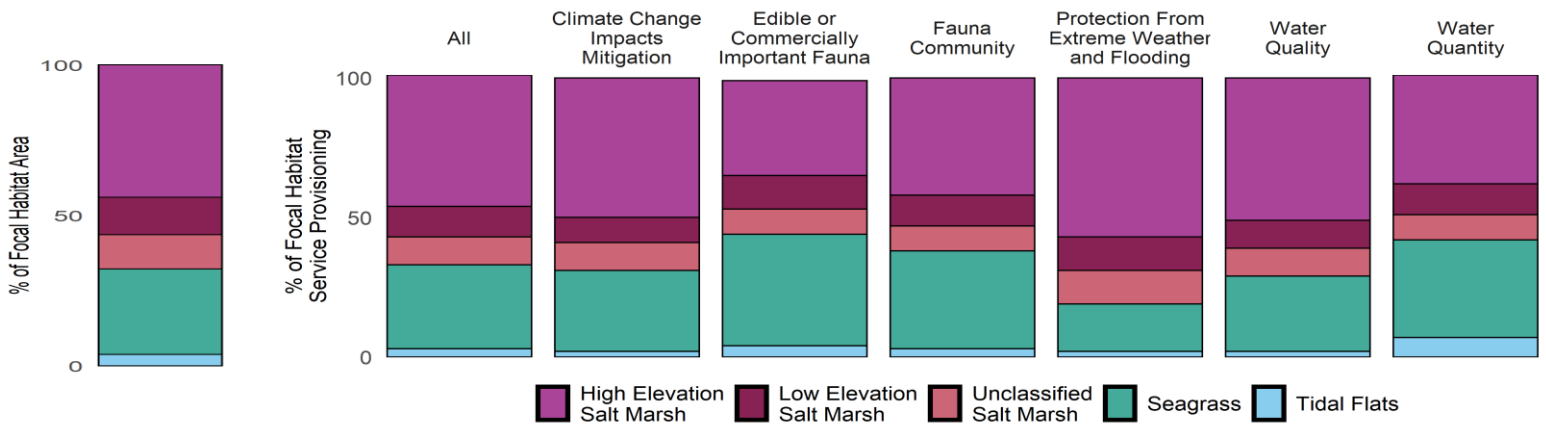


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-36.9	-10.4	9.4	-10.4
Tidal Flats	Seagrass	-2.0	-0.7	-3.5	-4.2
Seagrass	Unclassified Salt Marsh	-0.1	0.0	0.0	0.0

Ellisville Harbor - 1996

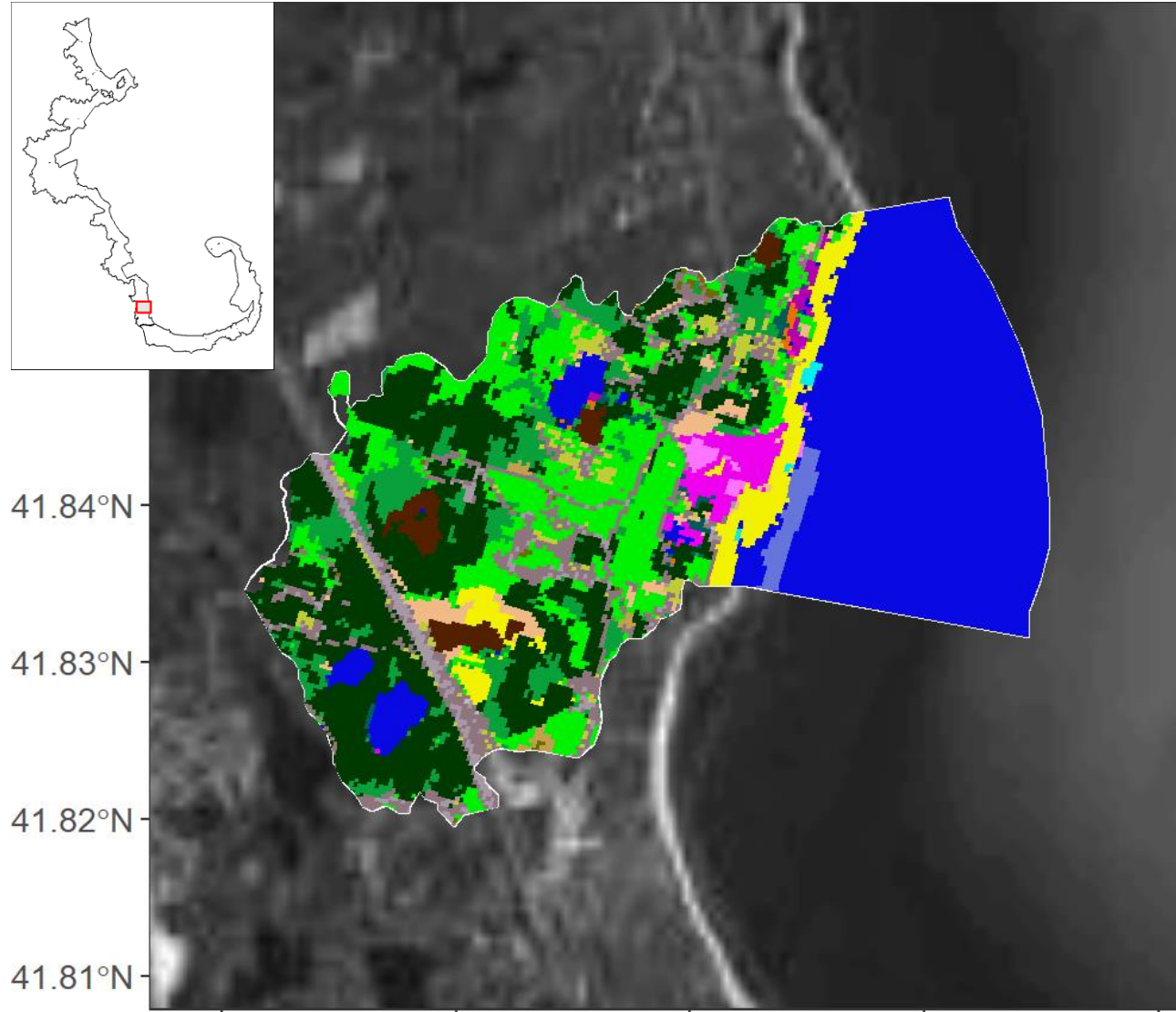


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| <ul style="list-style-type: none"> Developed, High Intensity Developed, Medium Intensity Developed, Low Intensity Developed, Open Space Cultivated Crops Pasture/Hay | <ul style="list-style-type: none"> Grassland/Herbaceous Deciduous Forest Evergreen Forest Mixed Forest Scrub/Shrub Palustrine Forested Wetland | <ul style="list-style-type: none"> Palustrine Scrub/Shrub Wetland Palustrine Emergent Wetland Estuarine Forested Wetland Estuarine Scrub/Shrub Wetland Unclassified Saltmarsh Low Elevation Saltmarsh | <ul style="list-style-type: none"> High Elevation Saltmarsh Tidal Flats Beach Open Water Palustrine Aquatic Bed Seagrass |
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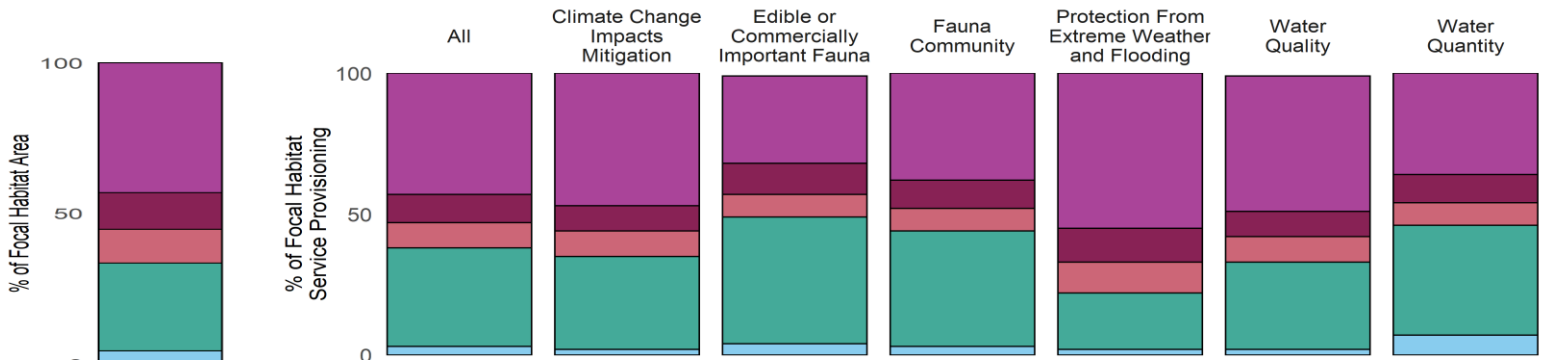


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,611.9	49.8	21.9	6.2	5.7	14.1	1.9
Percent Focal	5,249.0	100.0	44.0	12.5	11.4	28.4	3.8
Percent All	100.0	1.9	0.8	0.2	0.2	0.5	0.1

Ellisville Harbor - 2016

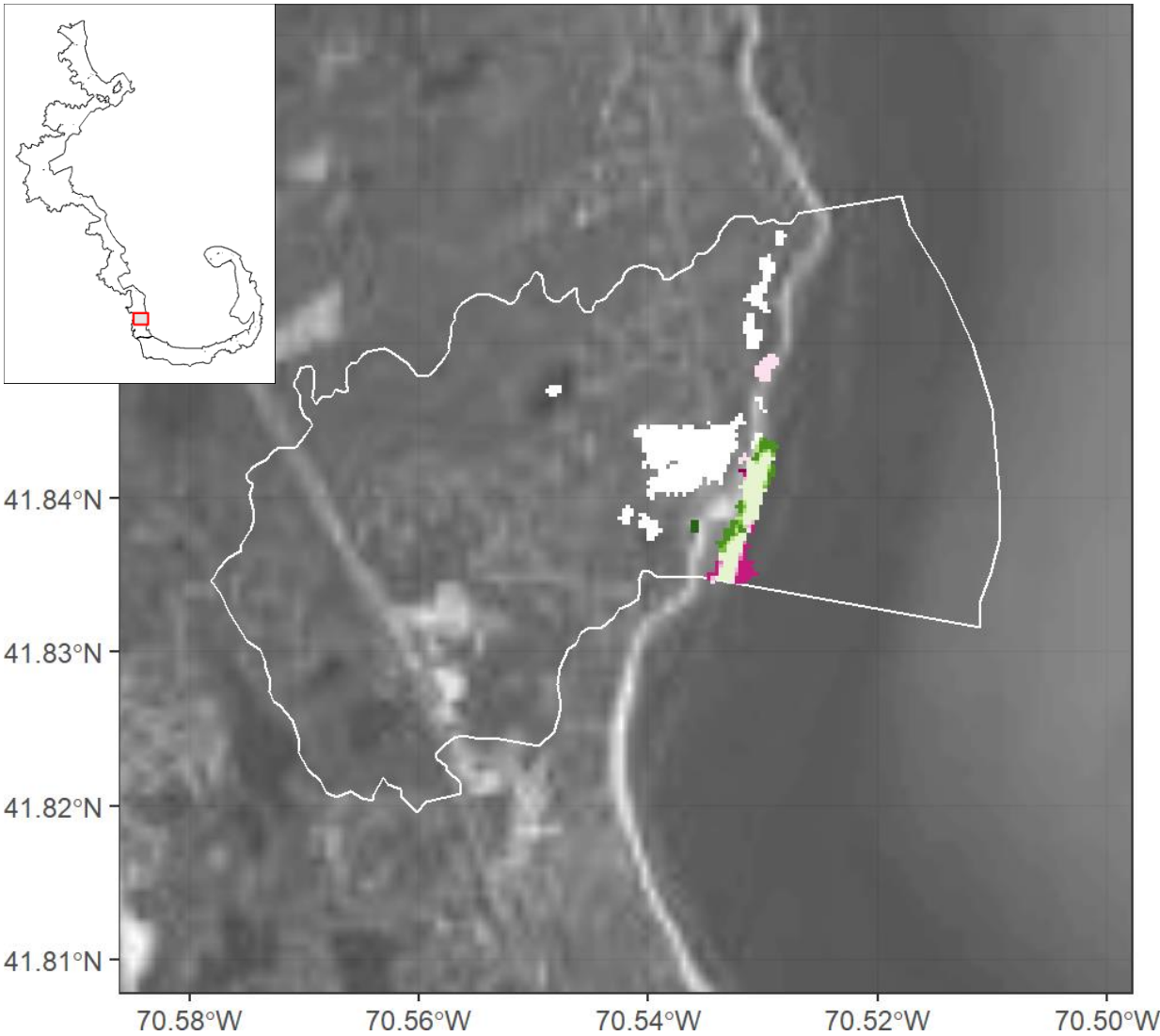


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| <ul style="list-style-type: none"> Developed, High Intensity Developed, Medium Intensity Developed, Low Intensity Developed, Open Space Cultivated Crops Pasture/Hay | <ul style="list-style-type: none"> Grassland/Herbaceous Deciduous Forest Evergreen Forest Mixed Forest Scrub/Shrub Palustrine Forested Wetland | <ul style="list-style-type: none"> Palustrine Scrub/Shrub Wetland Palustrine Emergent Wetland Estuarine Forested Wetland Estuarine Scrub/Shrub Wetland Unclassified Saltmarsh Low Elevation Saltmarsh | <ul style="list-style-type: none"> High Elevation Saltmarsh Tidal Flats Beach Open Water Palustrine Aquatic Bed Seagrass |
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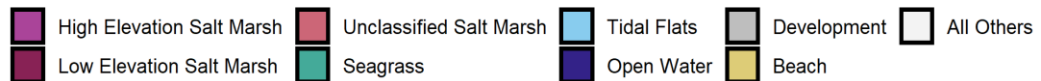
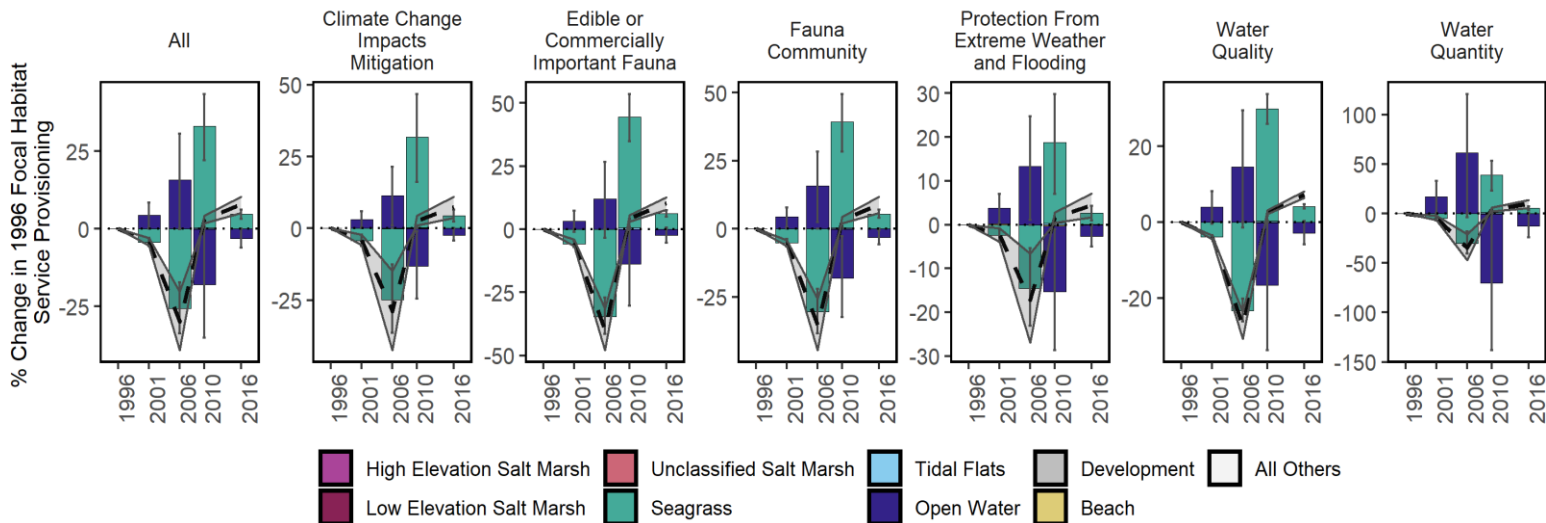
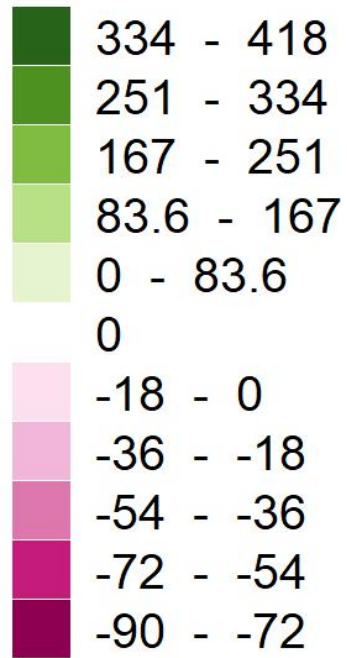


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,611.9	50.8	21.9	6.2	5.7	14.8	2.2
Percent Focal	5,146.6	100.0	43.1	12.2	11.2	29.2	4.3
Percent All	100.0	1.9	0.8	0.2	0.2	0.6	0.1

Ellisville Harbor - Change 1996-2016

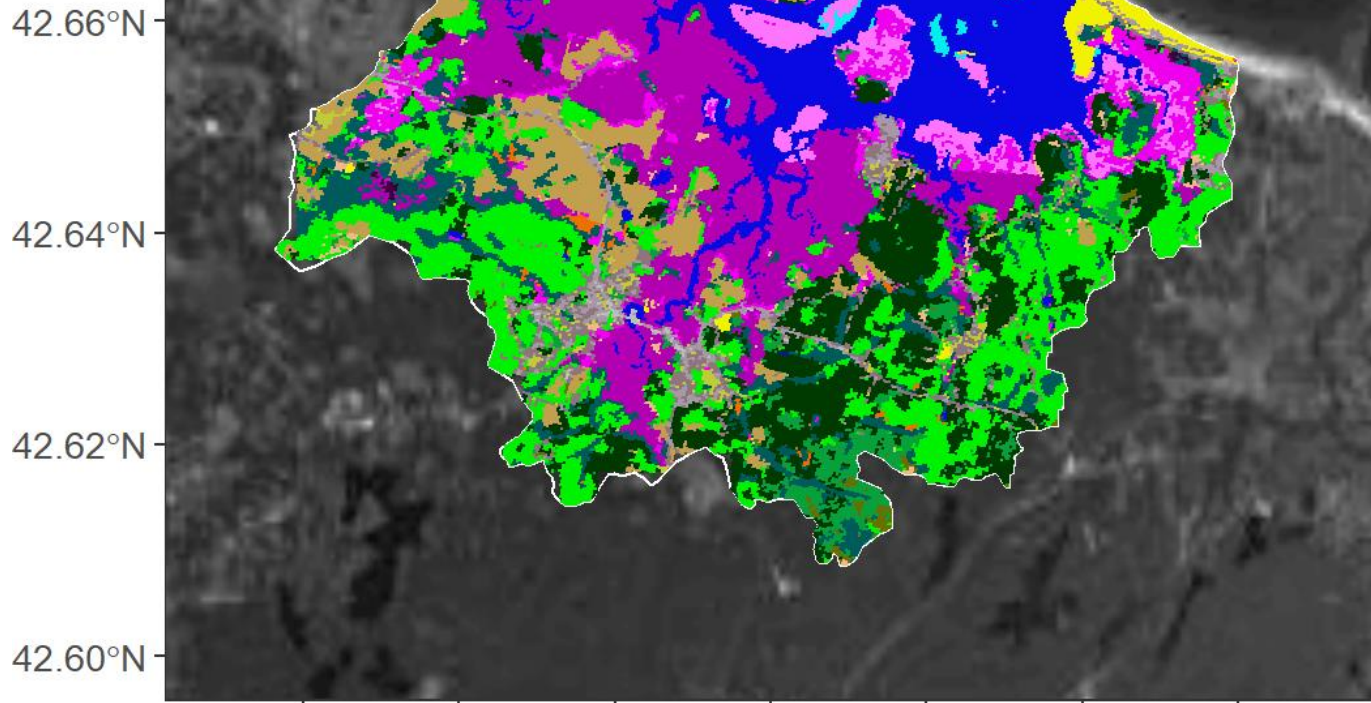
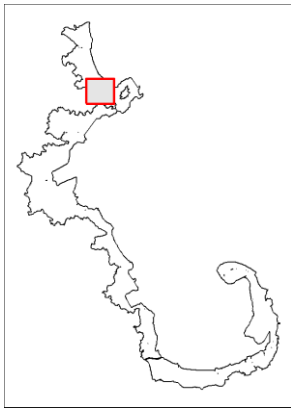


% Change

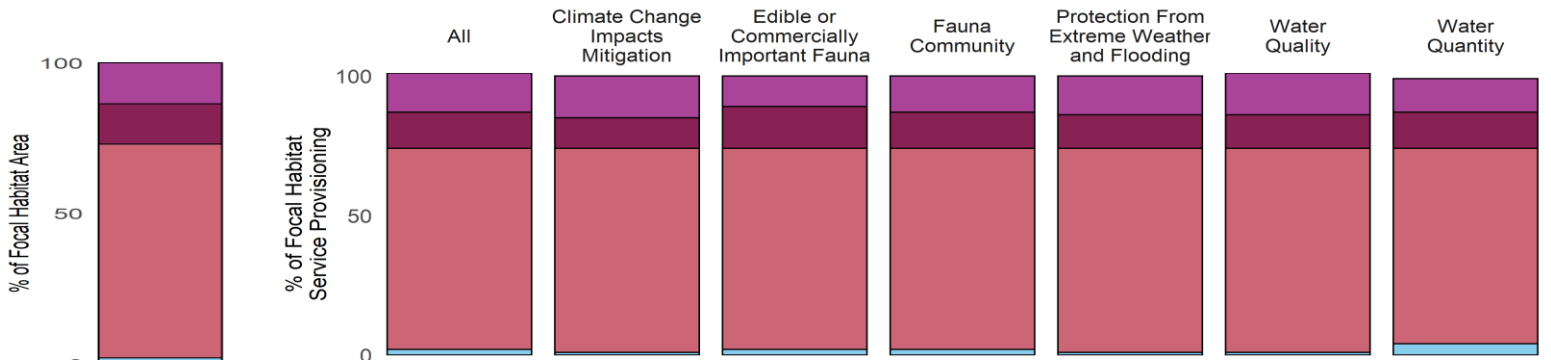


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Beach	-0.2	-6.5	0.0	-6.5
Tidal Flats	Beach	0.3	0.4	-0.1	0.4
Seagrass	Open Water	0.9	13.8	-1.0	13.8

Essex River / Essex Bay - 1996



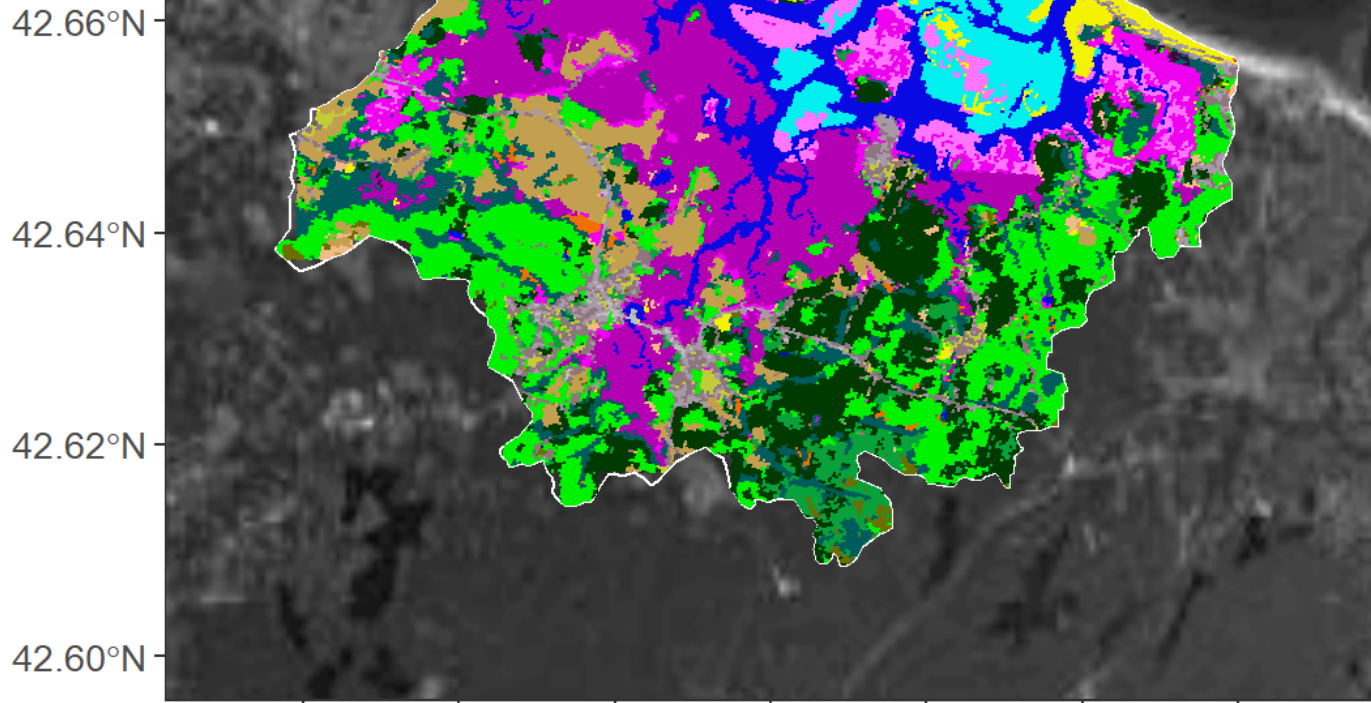
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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |



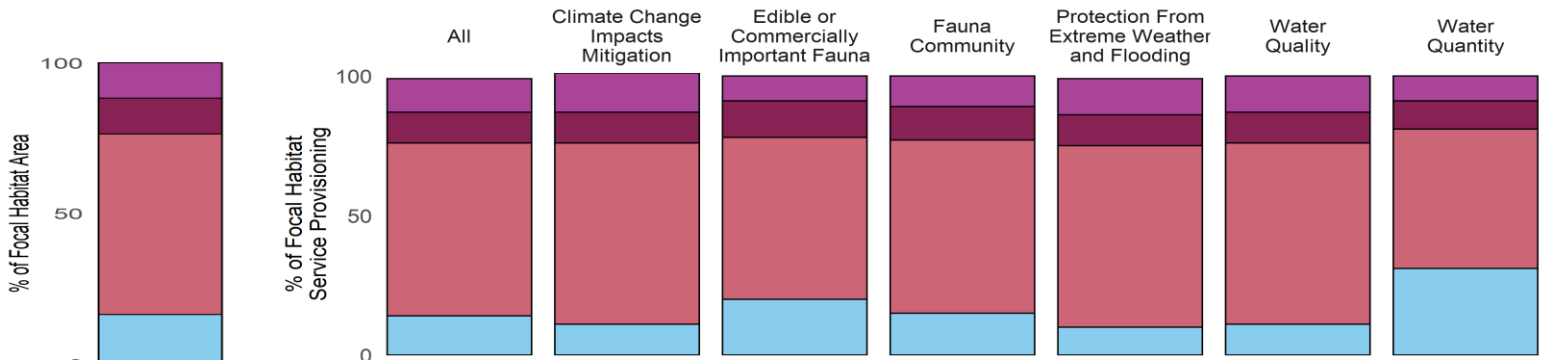
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|---------------------------|--------------------------|-------------------------|-------------|
| High Elevation Salt Marsh | Low Elevation Salt Marsh | Unclassified Salt Marsh | Tidal Flats |
|---------------------------|--------------------------|-------------------------|-------------|

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	9,453.9	1,397.3	190.6	187.2	992.0	0	27.5
Percent Focal	676.6	100.0	13.6	13.4	71.0	0	2.0
Percent All	100.0	14.8	2.0	2.0	10.5	0	0.3

Essex River / Essex Bay - 2016



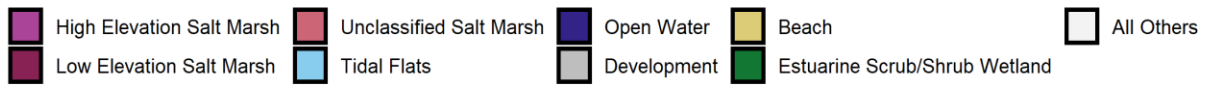
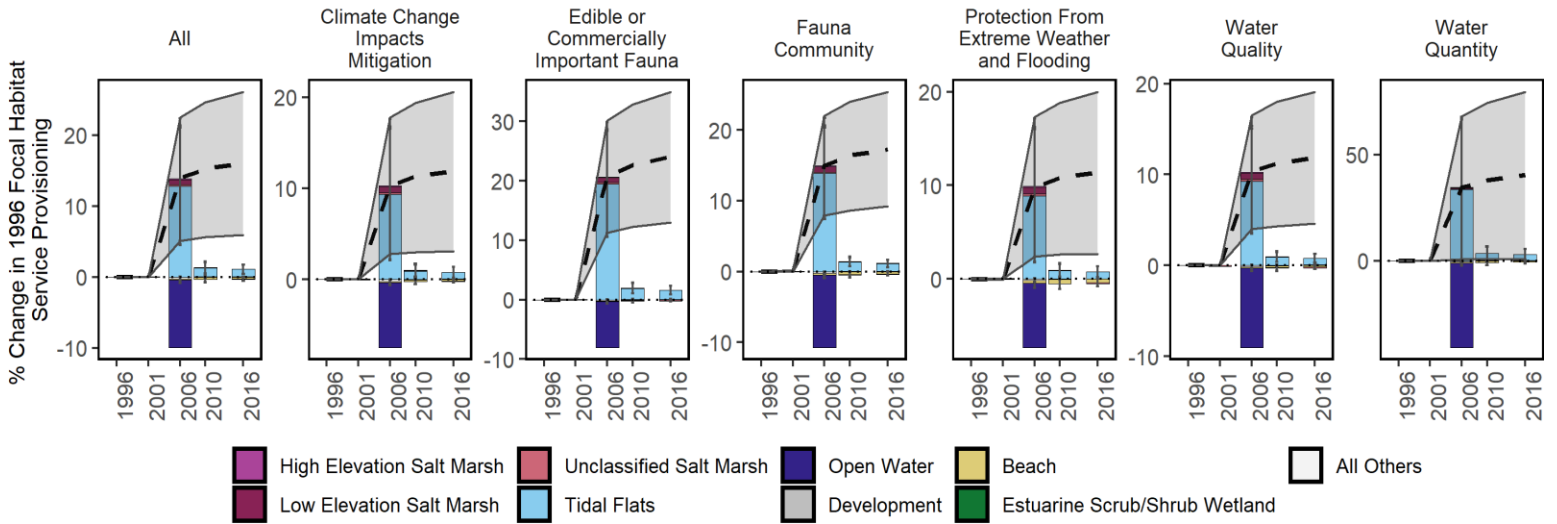
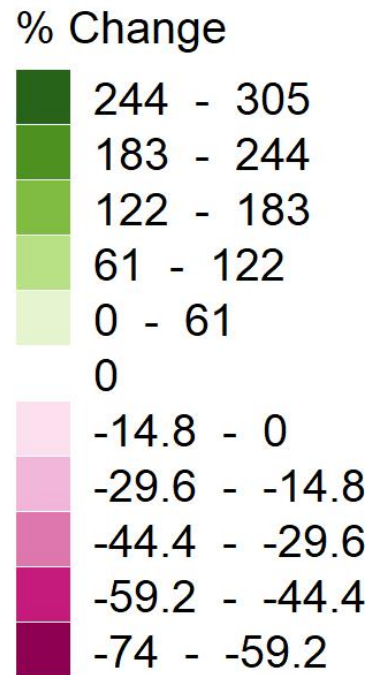
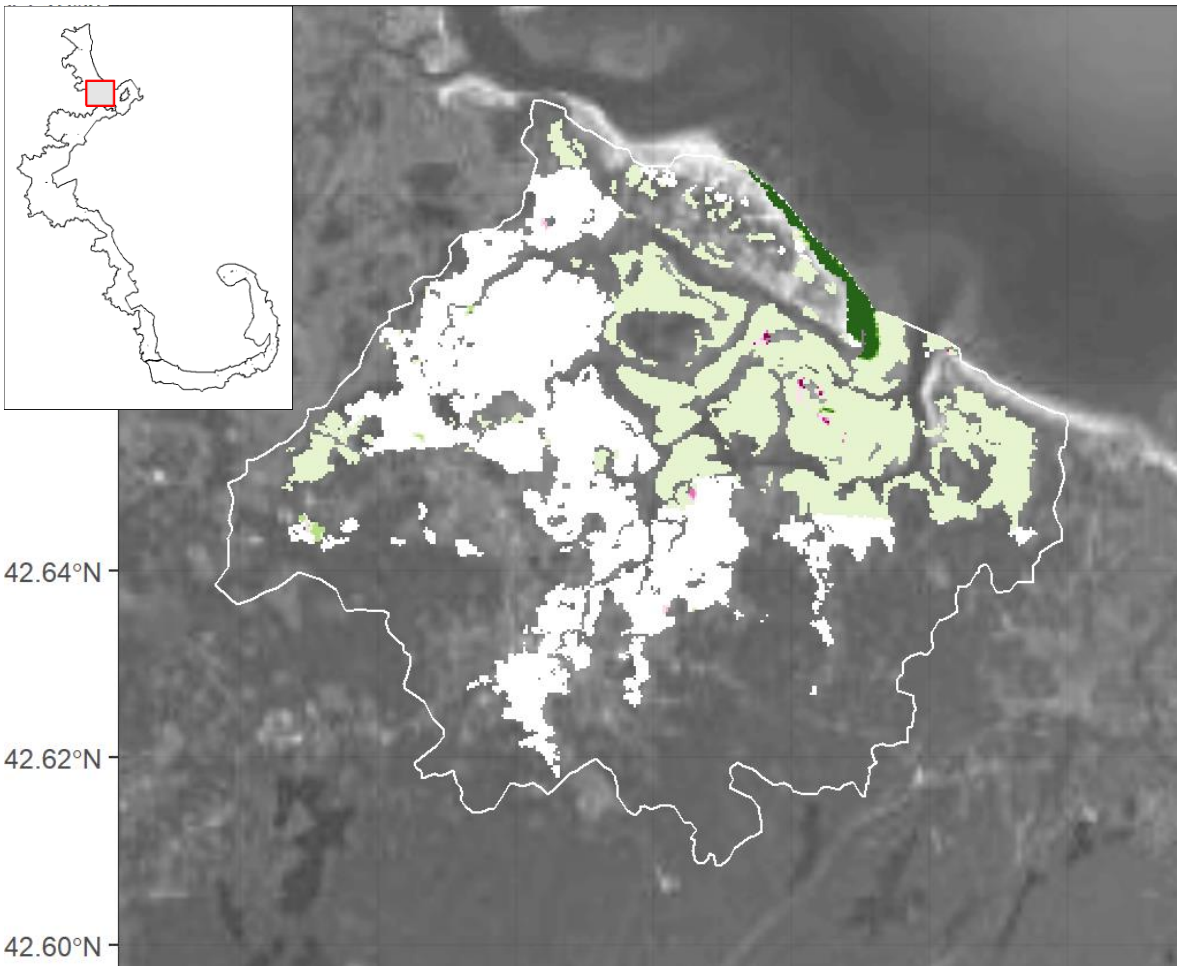
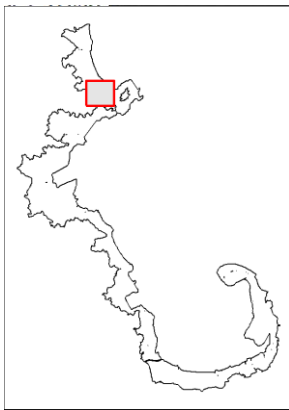
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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |



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|---------------------------|--------------------------|-------------------------|-------------|
| High Elevation Salt Marsh | Low Elevation Salt Marsh | Unclassified Salt Marsh | Tidal Flats |
|---------------------------|--------------------------|-------------------------|-------------|

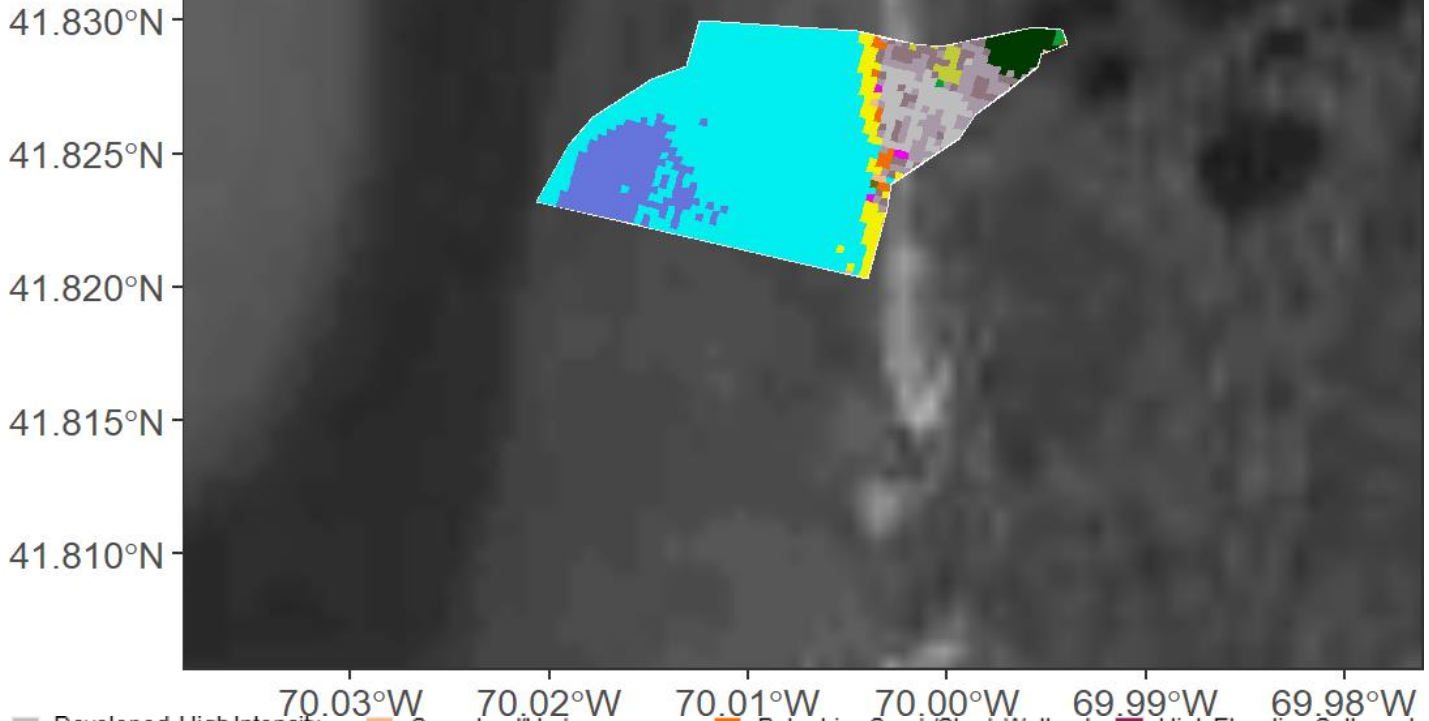
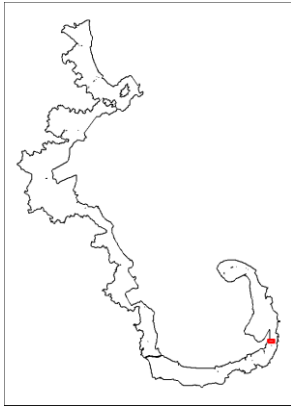
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	9,453.9	1,656.1	193.1	197.6	993.4	0	272.1
Percent Focal	570.9	100.0	11.7	11.9	60.0	0	16.4
Percent All	100.0	17.5	2.0	2.1	10.5	0	2.9

Essex River / Essex Bay - Change 1996-2016

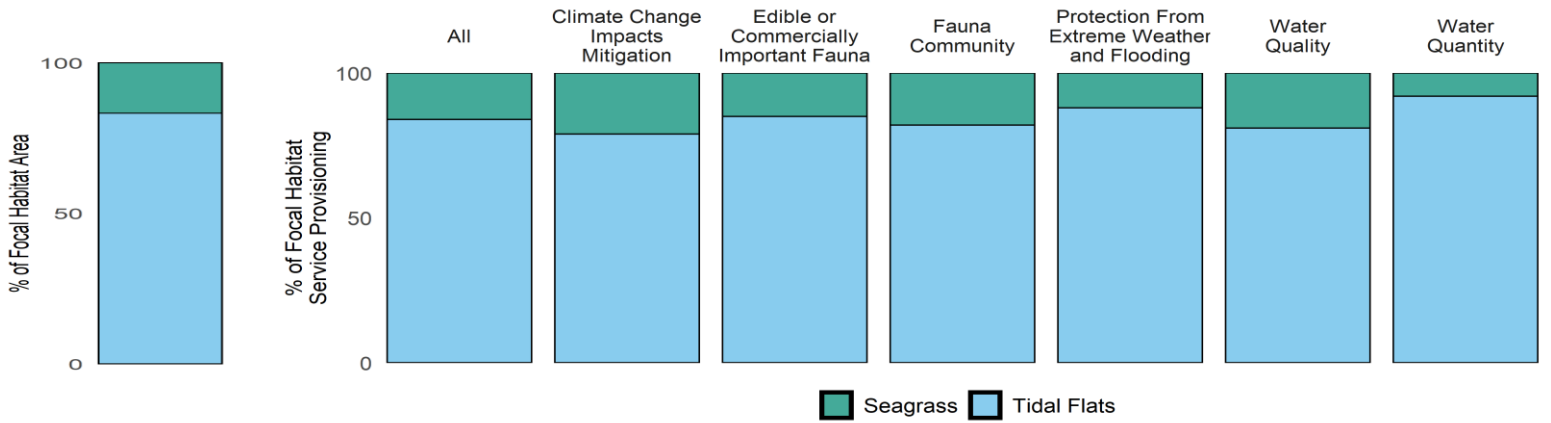


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.7	-0.1	0.1	-0.1
Unclassified Salt Marsh	Low Elev. Salt Marsh	-0.5	0.0	0.0	0.0
Unclassified Salt Marsh	High Elev. Salt Marsh	-0.4	0.0	0.0	0.0
Low Elev. Salt Marsh	Beach	-0.4	0.0	0.0	0.0
Low Elev. Salt Marsh	Tidal Flats	-0.2	0.0	0.0	0.0
Tidal Flats	All Others	0.7	0.0	0.0	0.0
High Elev. Salt Marsh	All Others	2.1	0.1	-0.1	0.1
Unclassified Salt Marsh	All Others	3.0	0.2	-0.1	0.2
Low Elev. Salt Marsh	Open Water	10.4	0.7	-0.5	0.7
Tidal Flats	Beach	34.2	2.1	-0.5	2.1
Tidal Flats	Open Water	209.5	12.9	-9.4	12.9

First Encounter Beach - 1996

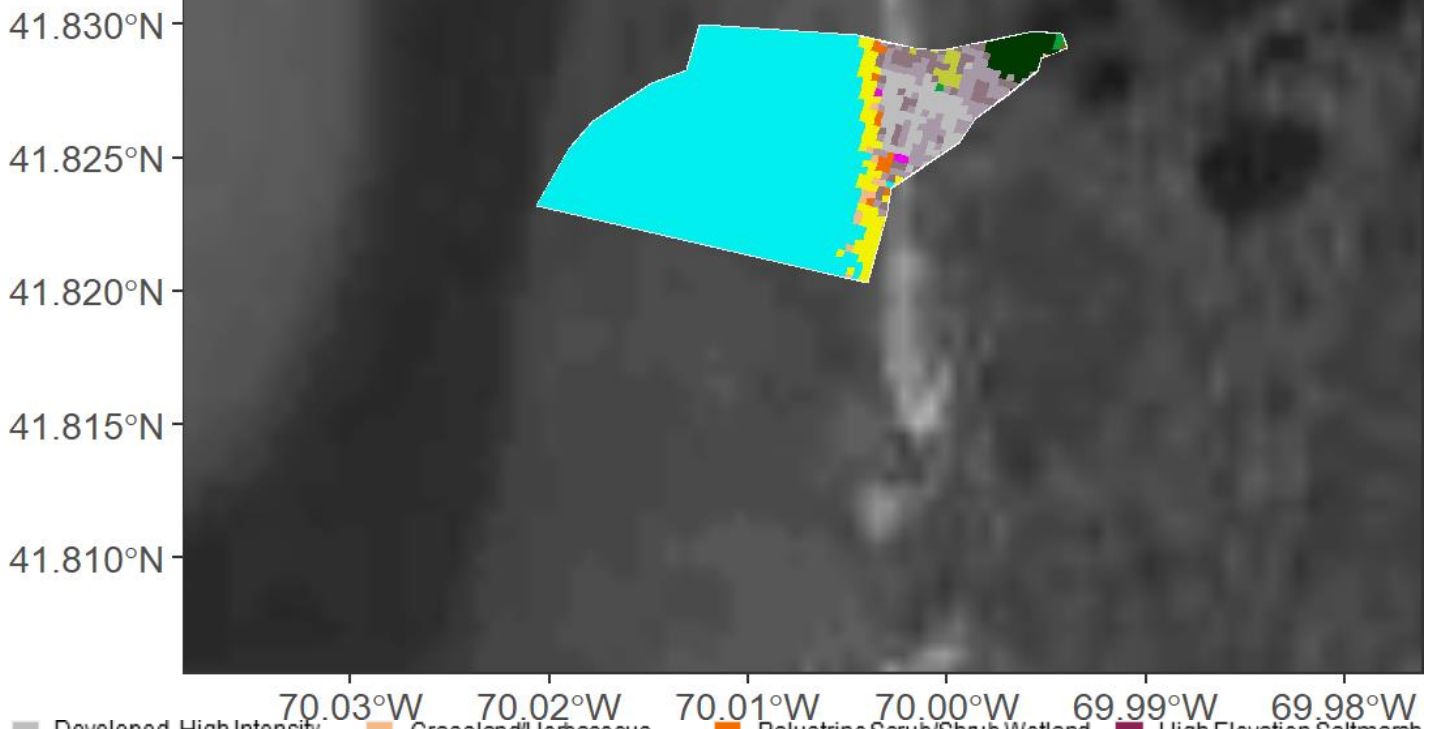
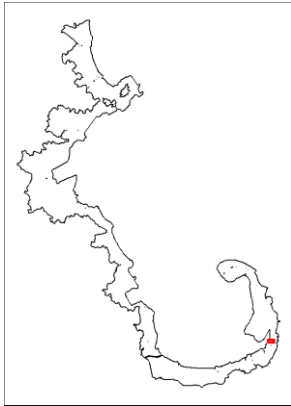


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

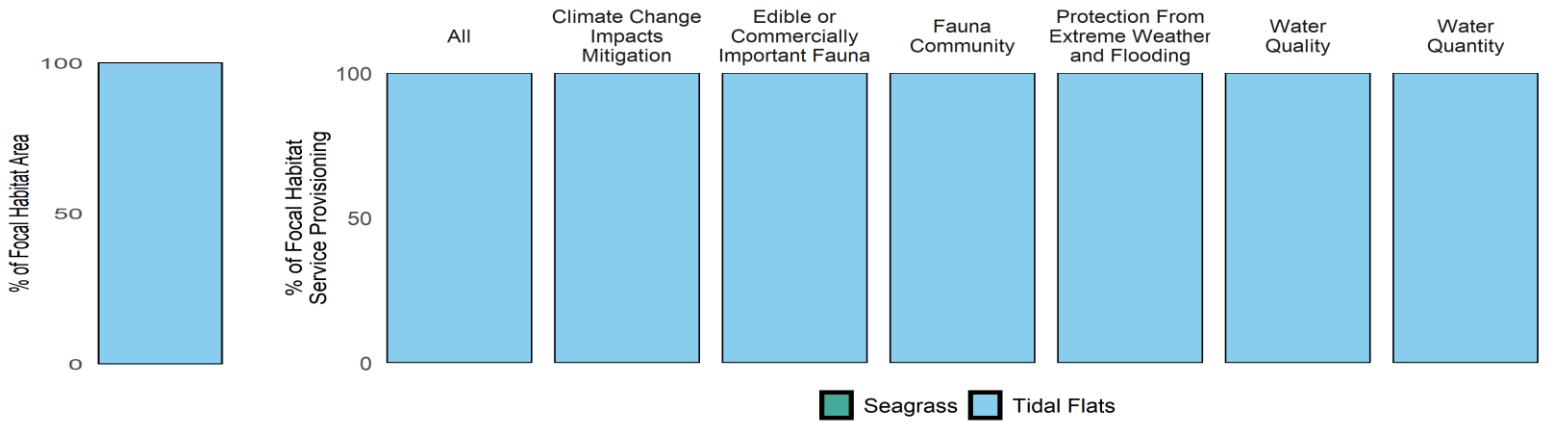


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	235.6	98.1	0	0	0	16.4	81.7
Percent Focal	240.2	100.0	0	0	0	16.7	83.3
Percent All	100.0	41.6	0	0	0	7.0	34.7

First Encounter Beach - 2016

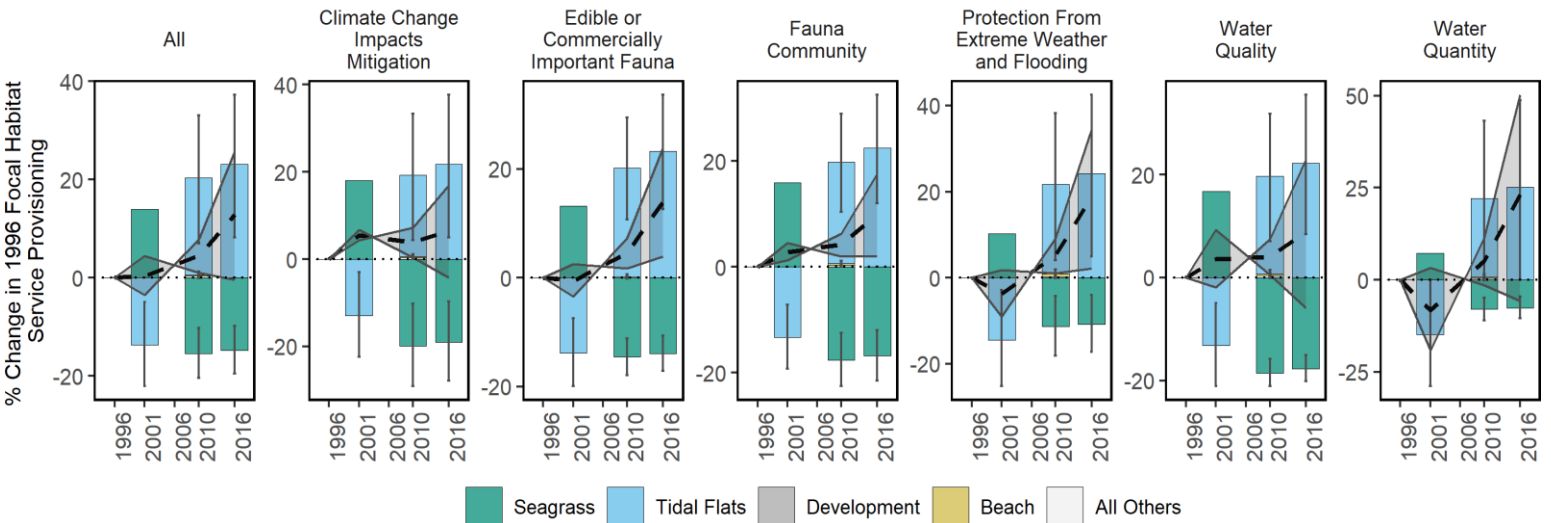
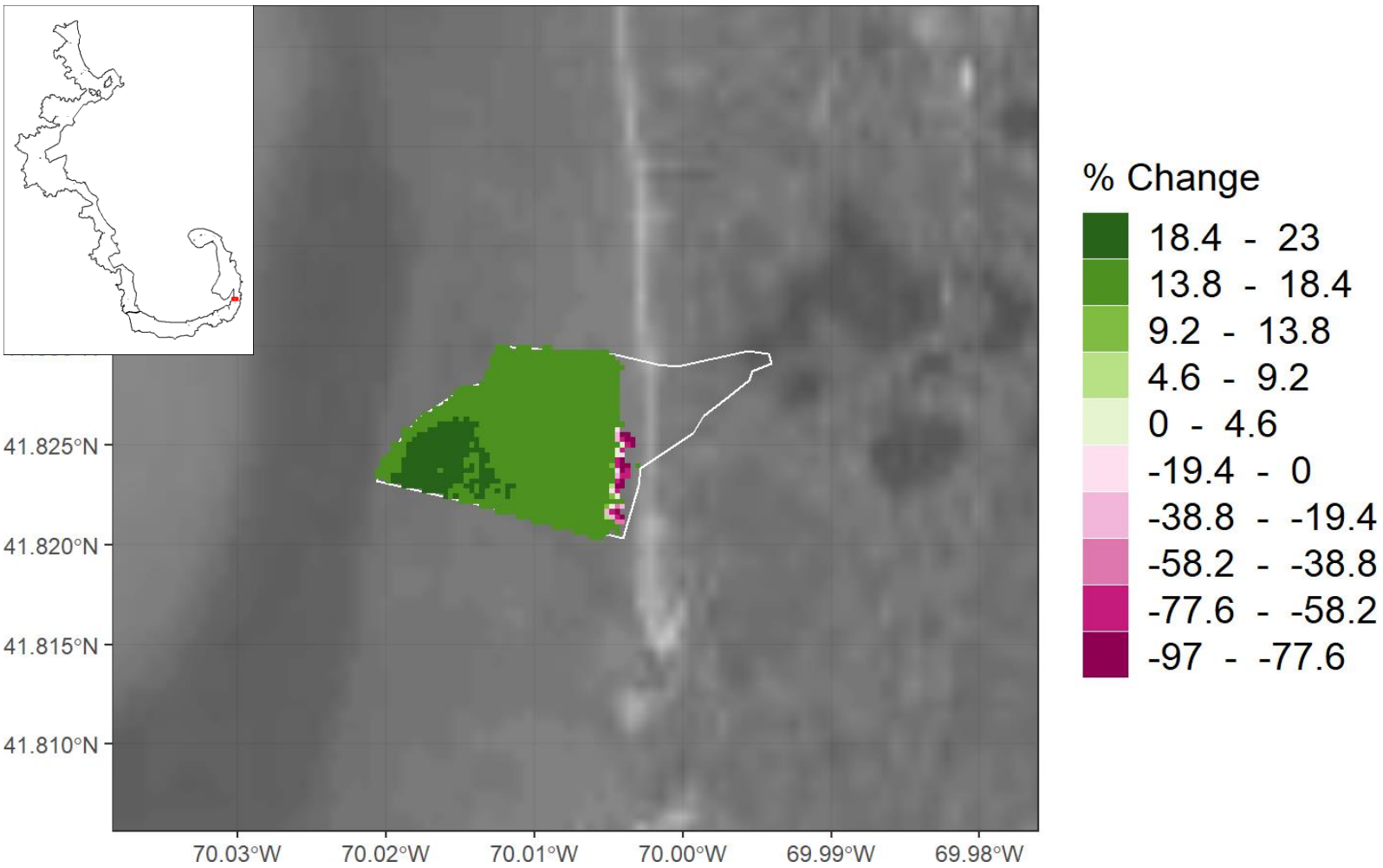


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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |



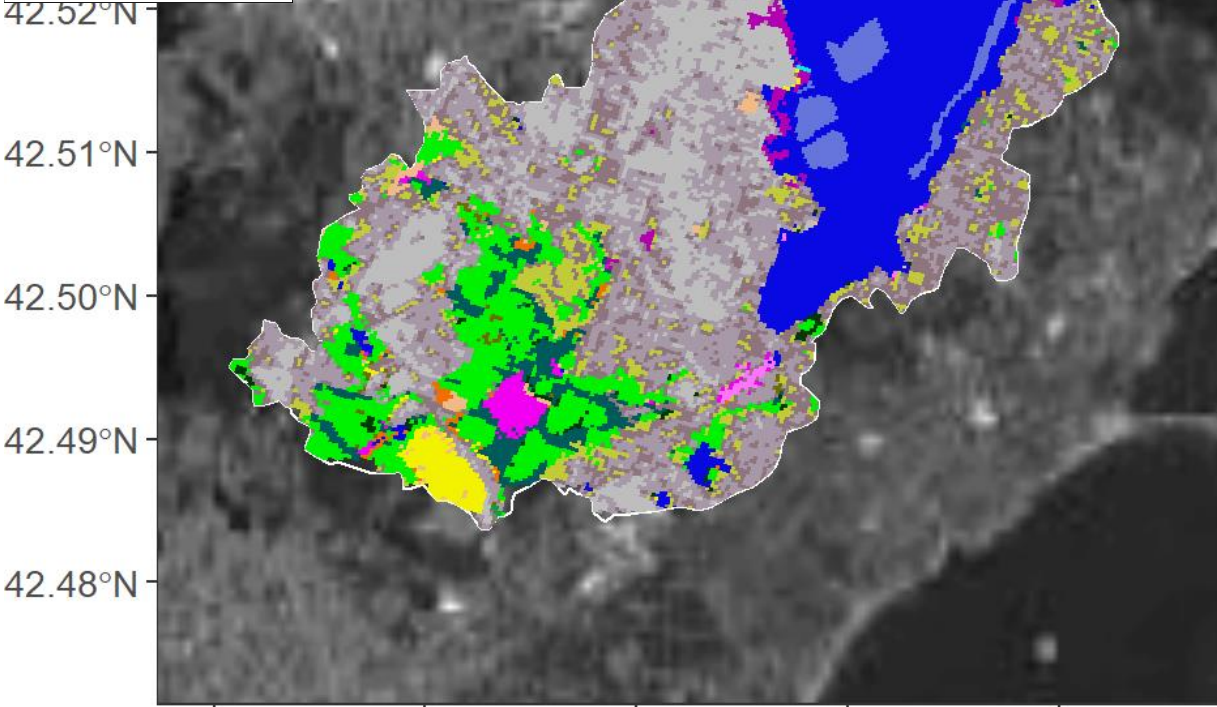
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	235.6	96.2	0	0	0	0	96.2
Percent Focal	244.9	100.0	0	0	0	0	100.0
Percent All	100.0	40.8	0	0	0	0	40.8

First Encounter Beach - Change 1996-2016

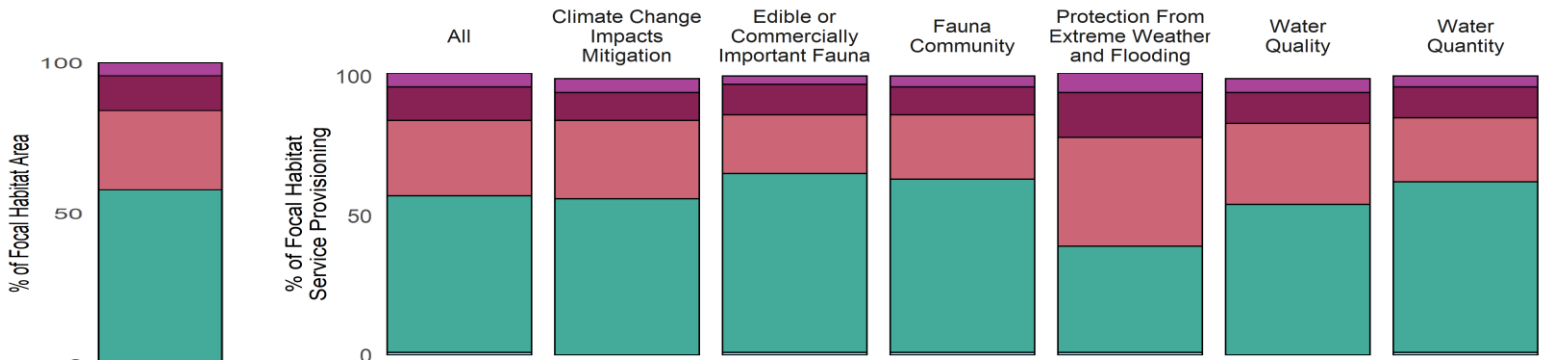


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Tidal Flats	-16.4	-16.2	50.1	33.9
Tidal Flats	Beach	-1.1	-12.6	0.3	-12.6
Tidal Flats	All Others	-0.7	-8.4	0.3	-8.4
Tidal Flats	Development	-0.1	-0.1	0.0	-0.1

Forest River / South River / Salem Harbor - 1996

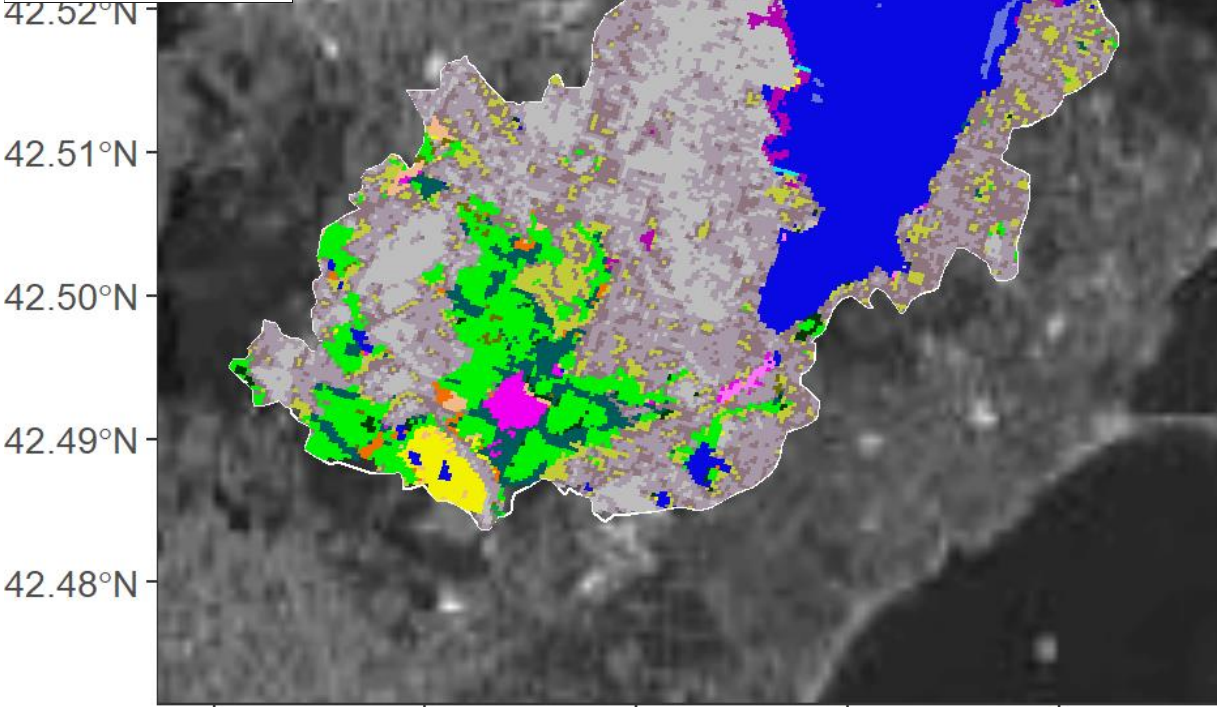


- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass

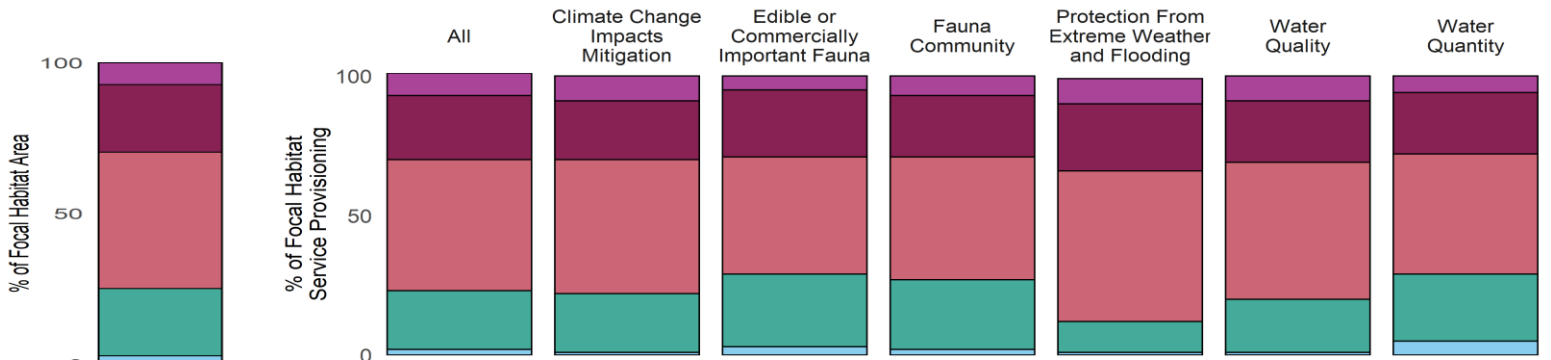


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,572.4	73.8	3.2	8.5	19.4	42.3	0.4
Percent Focal	4,842.0	100.0	4.3	11.5	26.3	57.3	0.5
Percent All	100.0	2.1	0.1	0.2	0.5	1.2	0.0

Forest River / South River / Salem Harbor - 2016

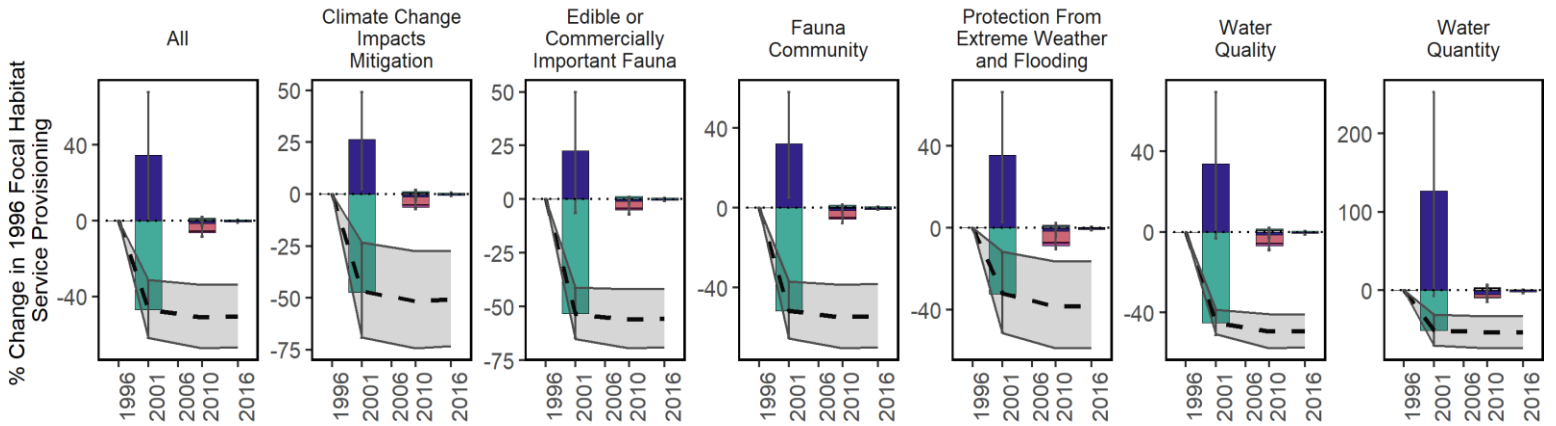
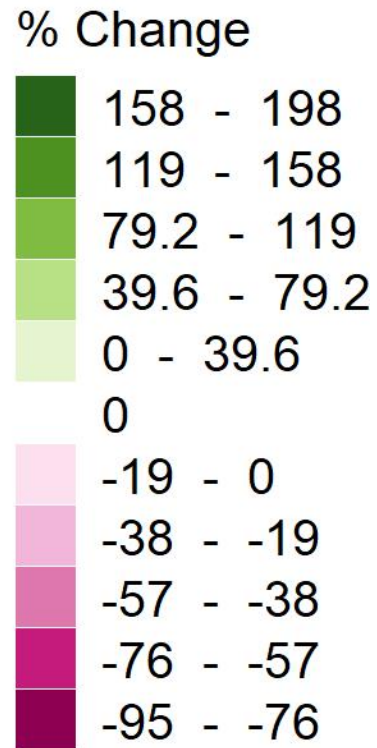
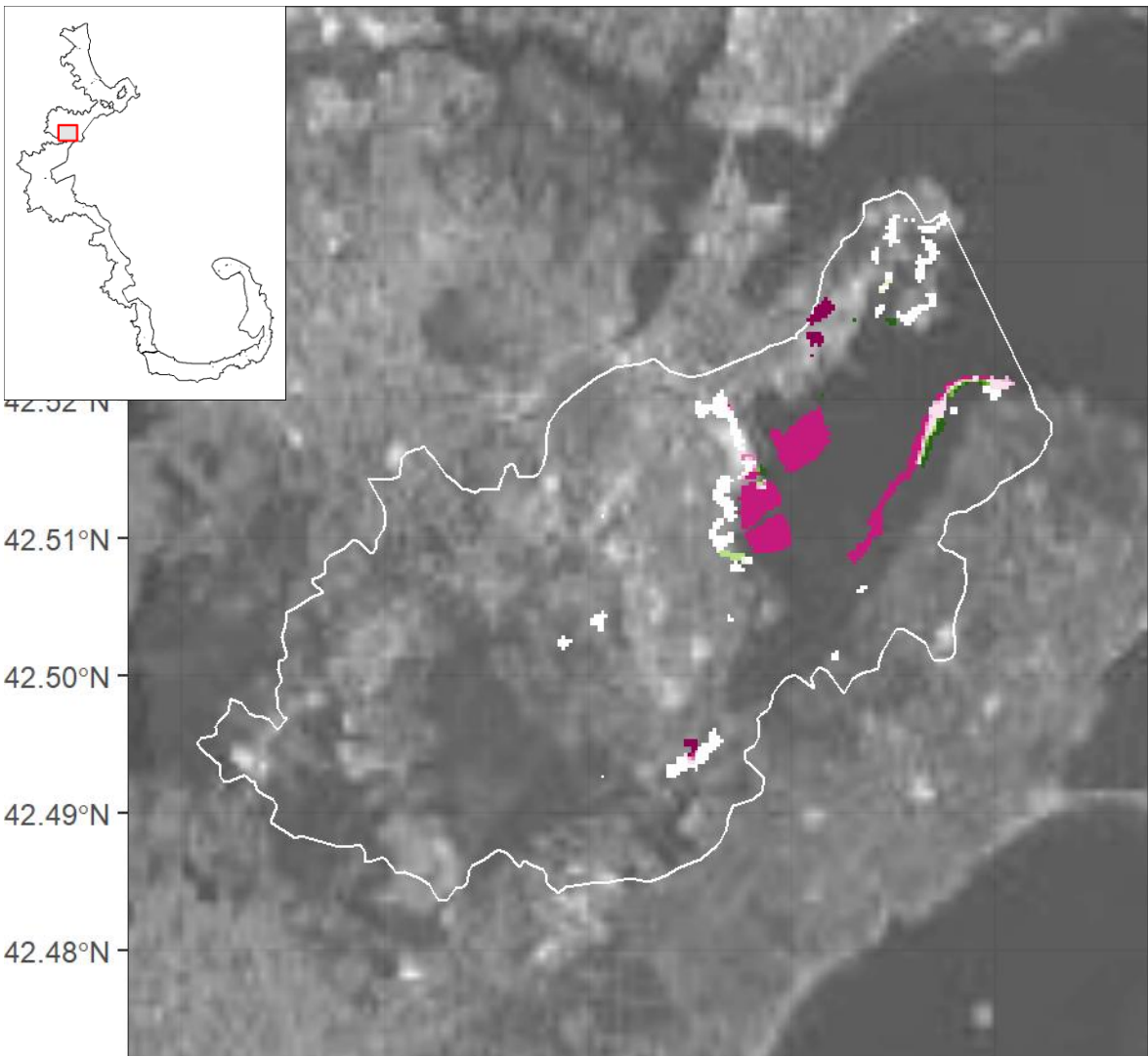


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass
- Cultivated Crops
- Pasture/Hay



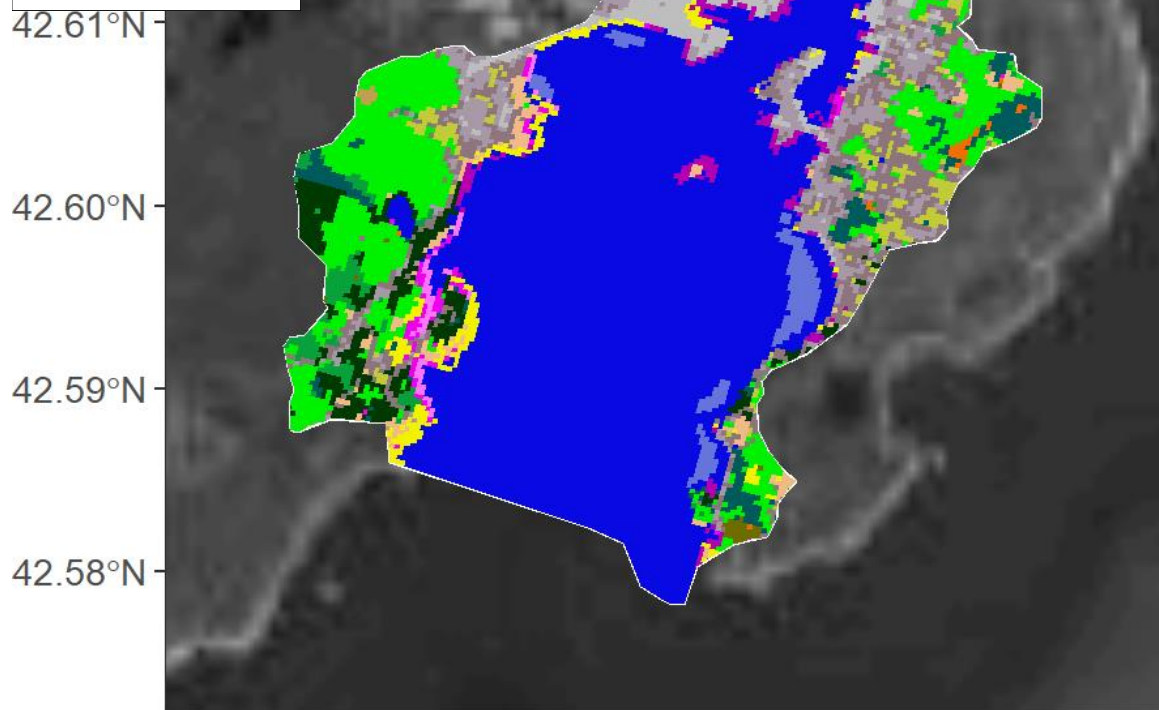
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,572.4	36.7	2.6	8.2	16.6	8.2	1.0
Percent Focal	9,728.9	100.0	7.2	22.4	45.3	22.3	2.7
Percent All	100.0	1.0	0.1	0.2	0.5	0.2	0.0

Forest River / South River / Salem Harbor - Change 1996-2016

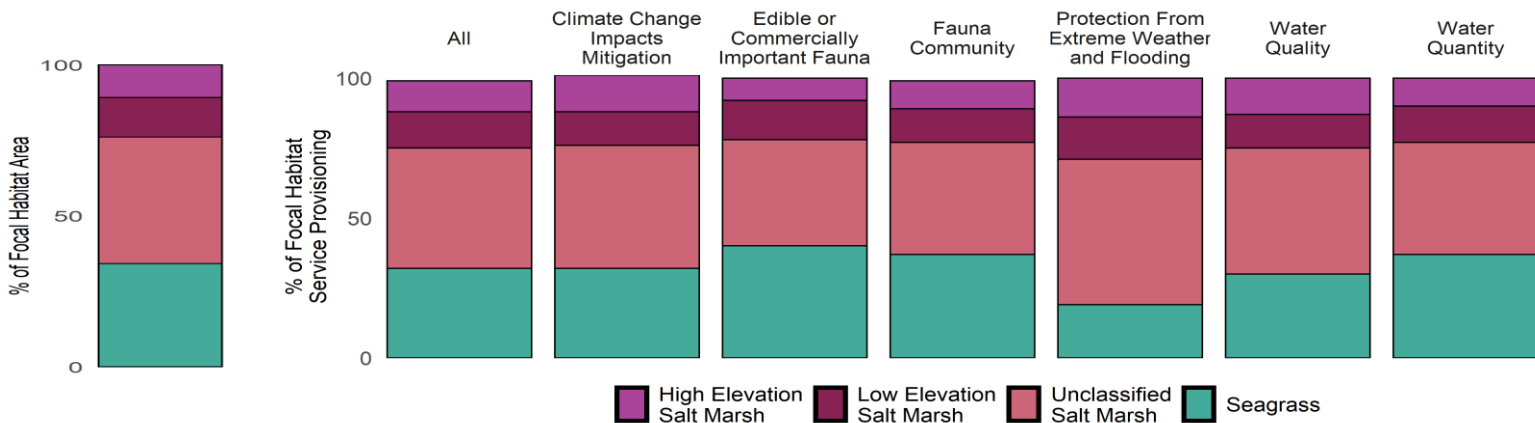


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-34.1	-45.9	38.6	-45.9
Unclassified Salt Marsh	Development	-2.7	-3.8	0.4	-3.8
High Elev. Salt Marsh	Development	-0.5	-0.8	0.1	-0.8
Low Elev. Salt Marsh	Development	-0.4	-0.6	0.1	-0.6
Unclassified Salt Marsh	Beach	-0.1	-0.1	0.0	-0.1
Low Elev. Salt Marsh	All Others	0.2	0.2	-0.2	0.2
Tidal Flats	Open Water	0.6	0.3	-5.7	0.3

Gloucester Harbor - 1996



- | | | | |
|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

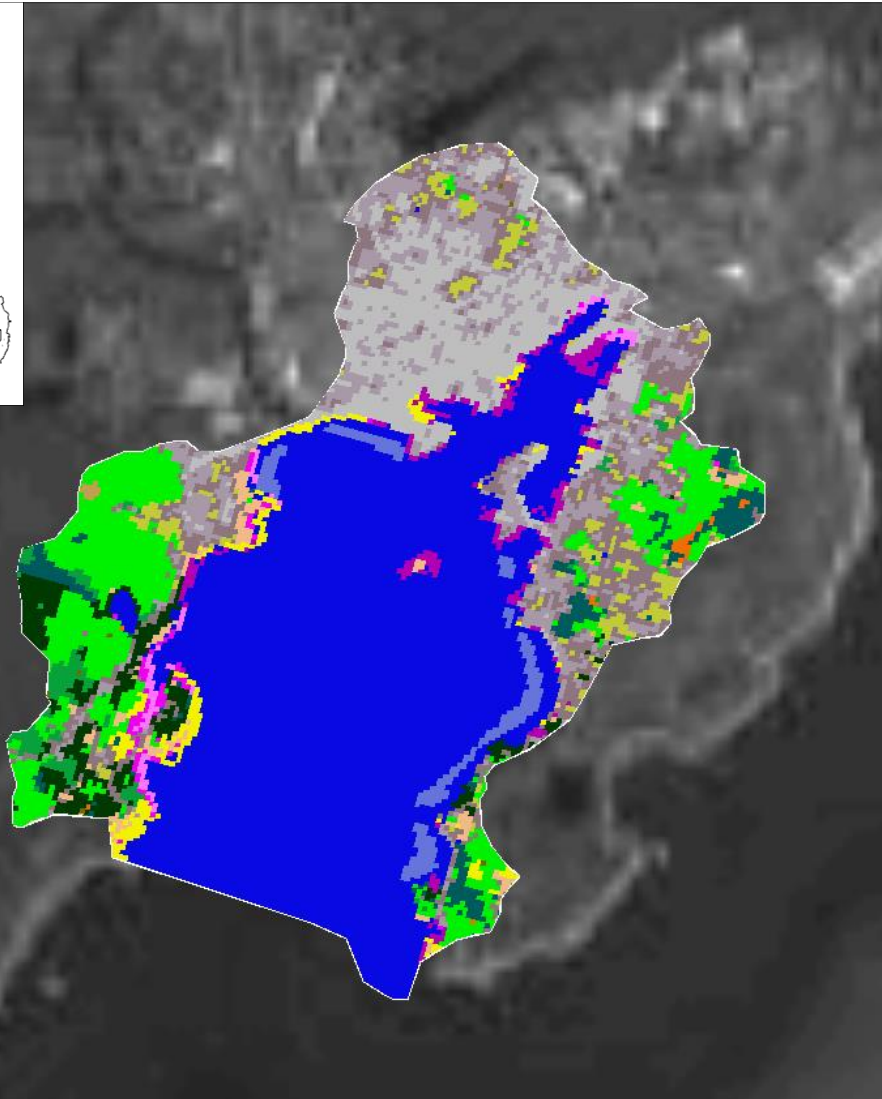


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,348.2	55.0	5.9	7.2	23.1	18.8	0
Percent Focal	4,268.6	100.0	10.8	13.1	41.9	34.2	0
Percent All	100.0	2.3	0.3	0.3	1.0	0.8	0

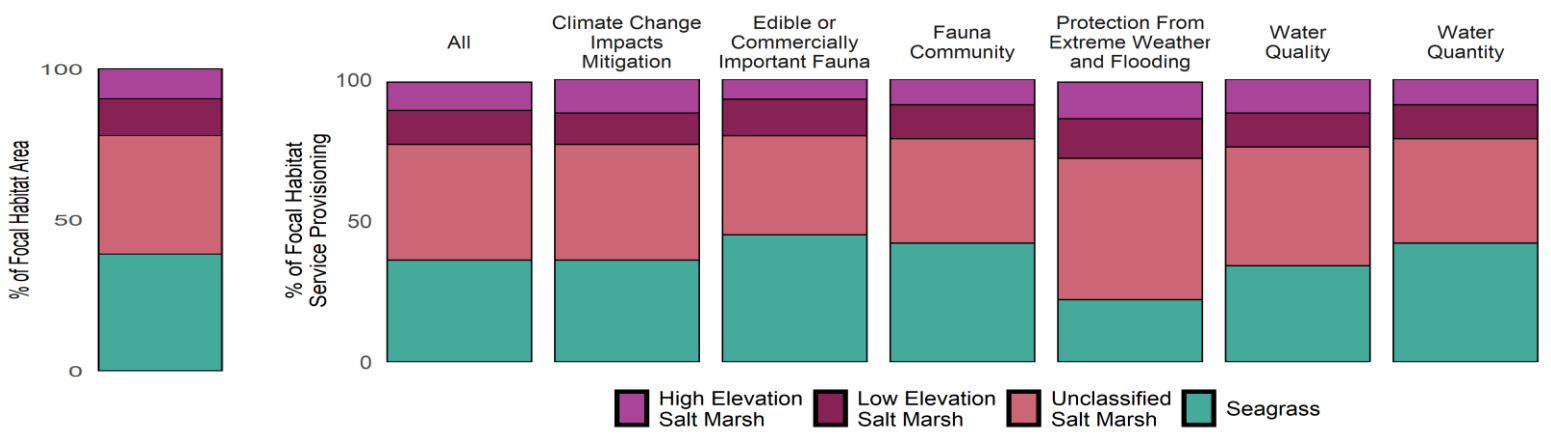
Gloucester Harbor - 2016



42.61°N
42.60°N
42.59°N
42.58°N

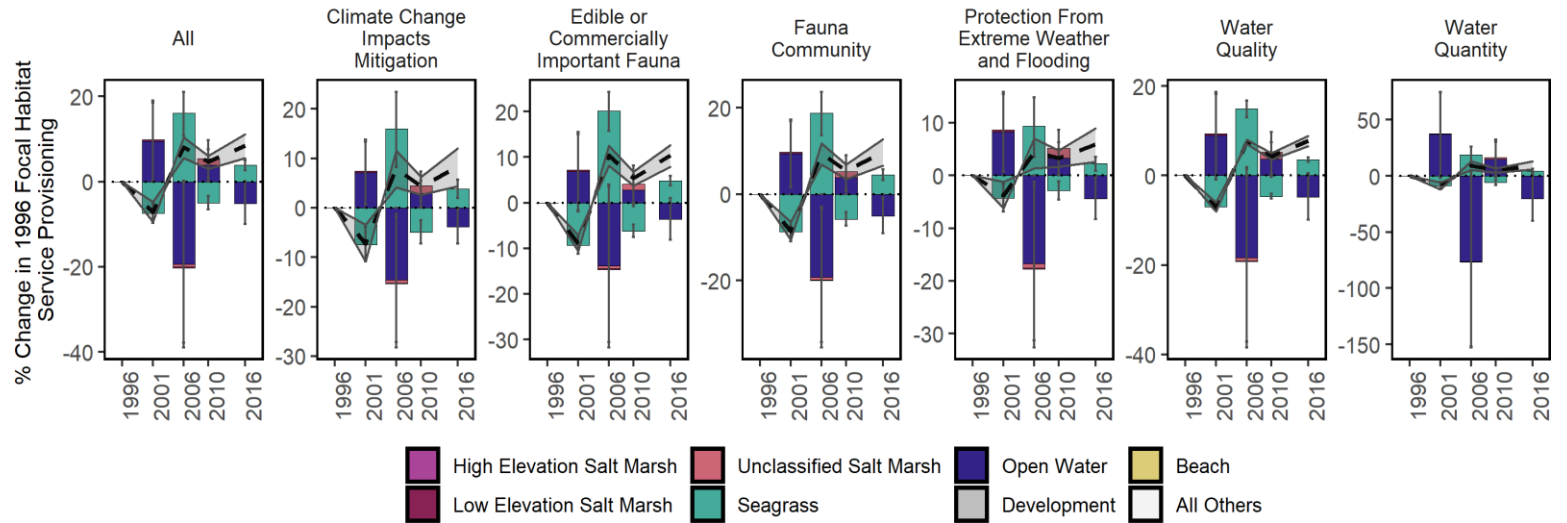
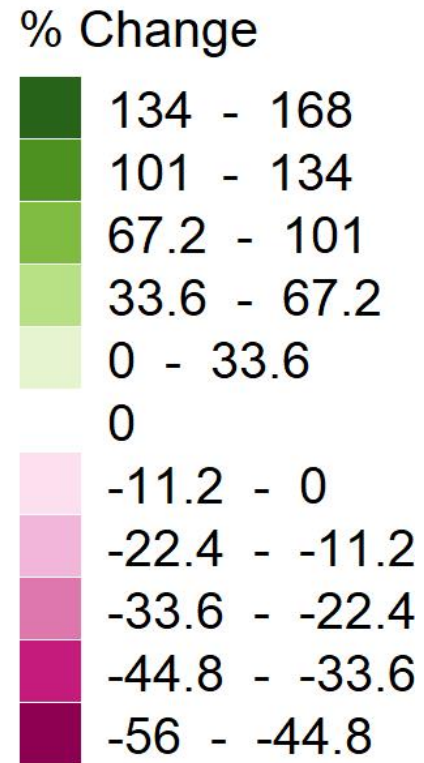
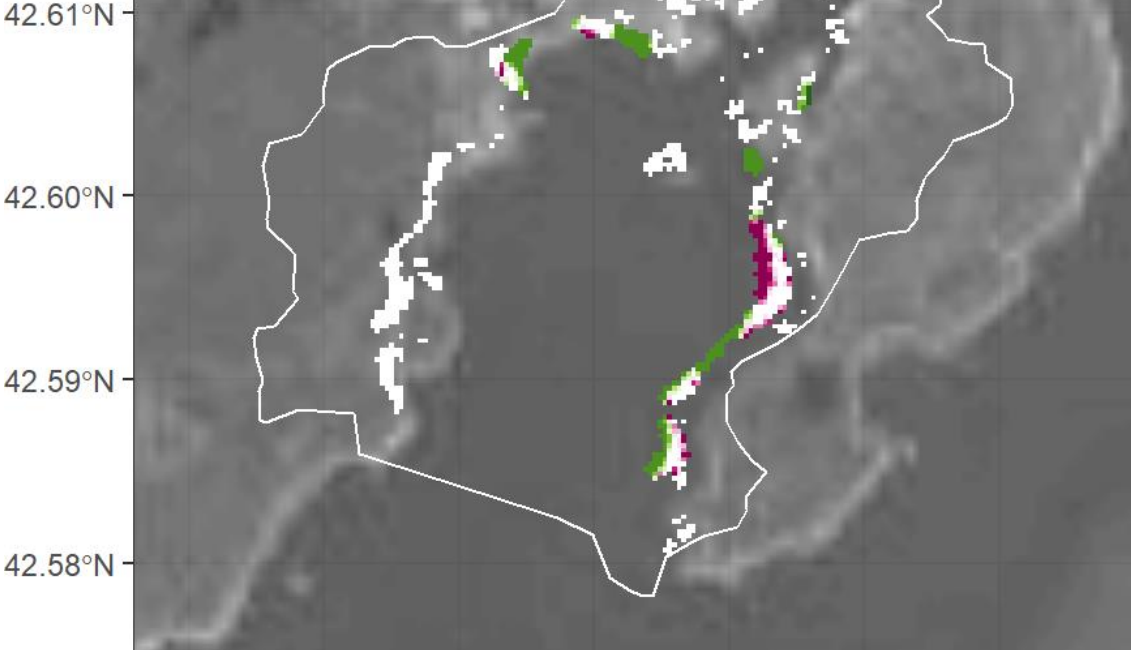


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



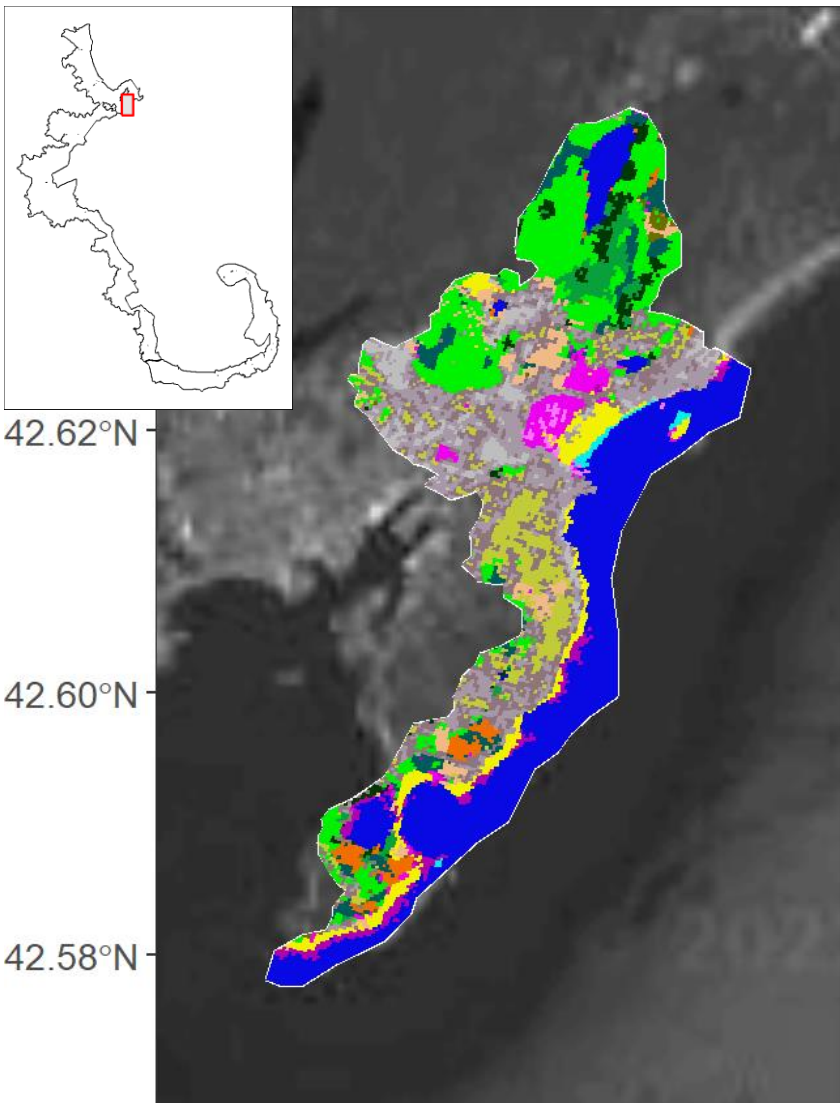
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,348.2	60.0	5.9	7.3	23.5	23.2	0
Percent Focal	3,916.3	100.0	9.9	12.2	39.2	38.7	0
Percent All	100.0	2.6	0.3	0.3	1.0	1.0	0

Gloucester Harbor - Change 1996-2016

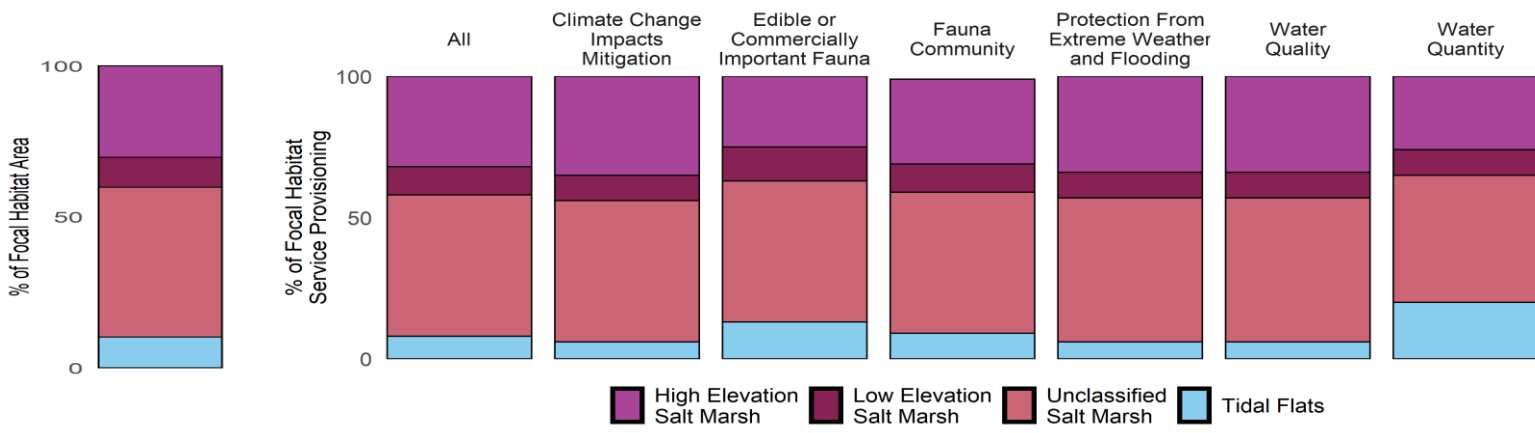


Focal Habitat	Conversion Habitat	Area Converted (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Low Elev. Salt Marsh	-0.1	-0.2	0.2	0.0
Unclassified Salt Marsh	All Others	0.4	0.9	-0.4	0.9
Seagrass	Open Water	4.5	7.7	-10.6	7.7

Good Harbor - 1996

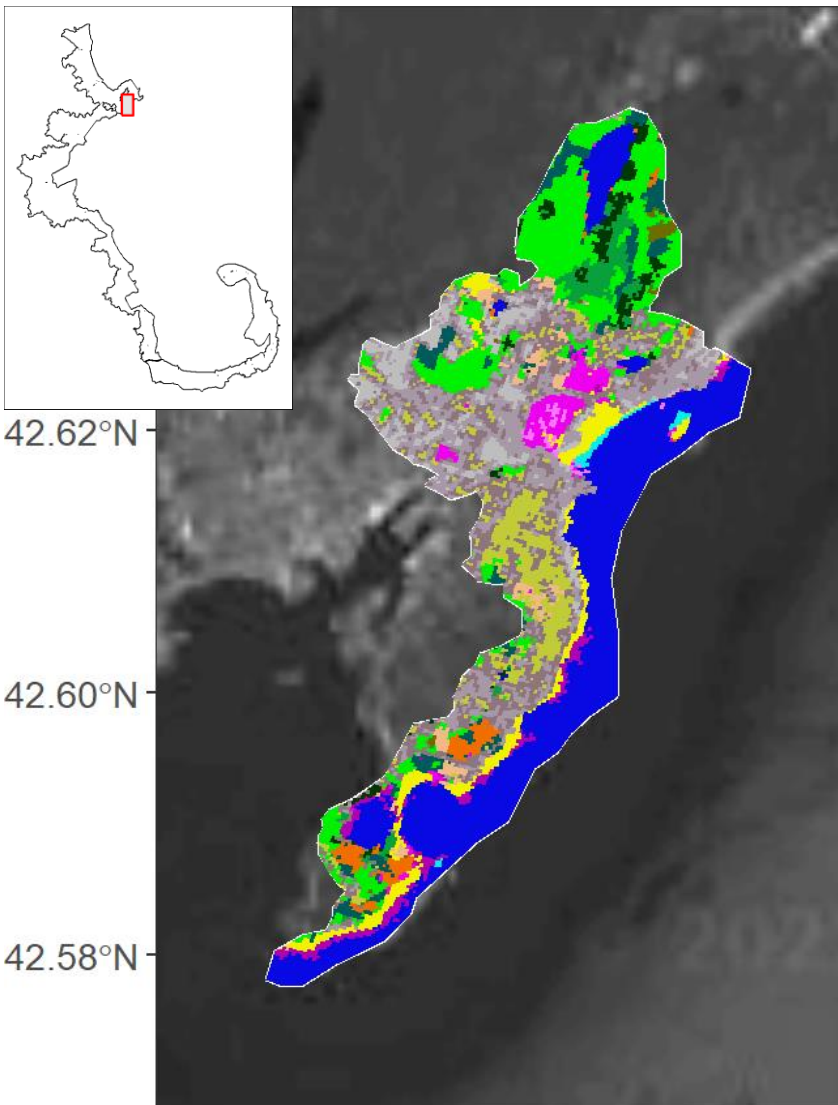


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

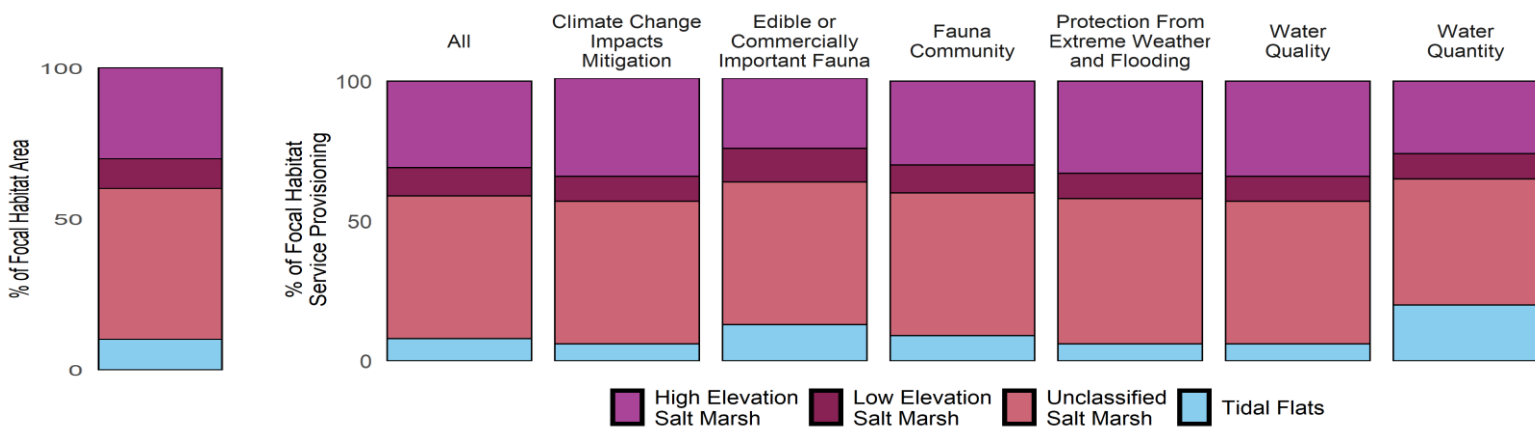


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,970.6	49.6	15.0	4.9	24.6	0	5.0
Percent Focal	3,969.0	100.0	30.3	9.9	49.6	0	10.2
Percent All	100.0	2.5	0.8	0.3	1.3	0	0.3

Good Harbor - 2016

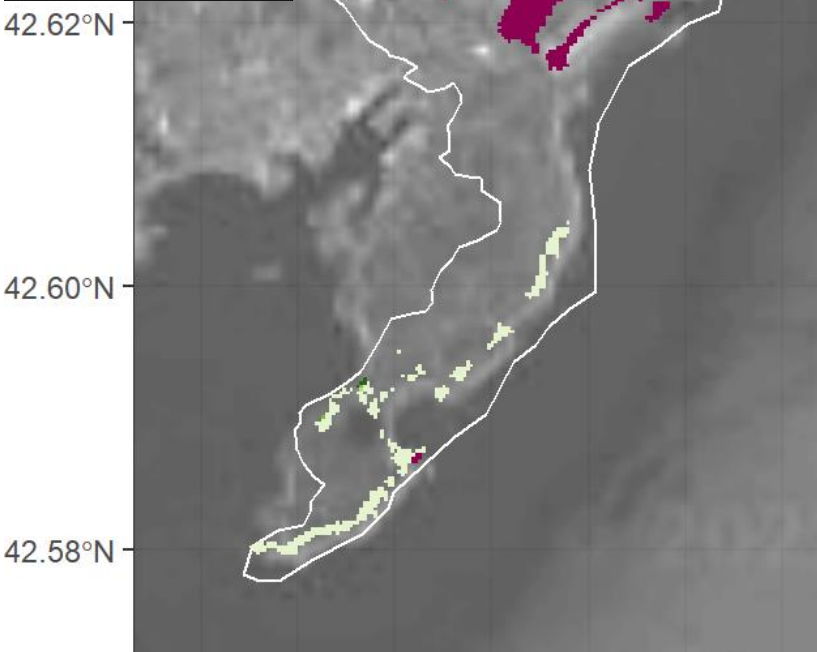


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
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- Open Water
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- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

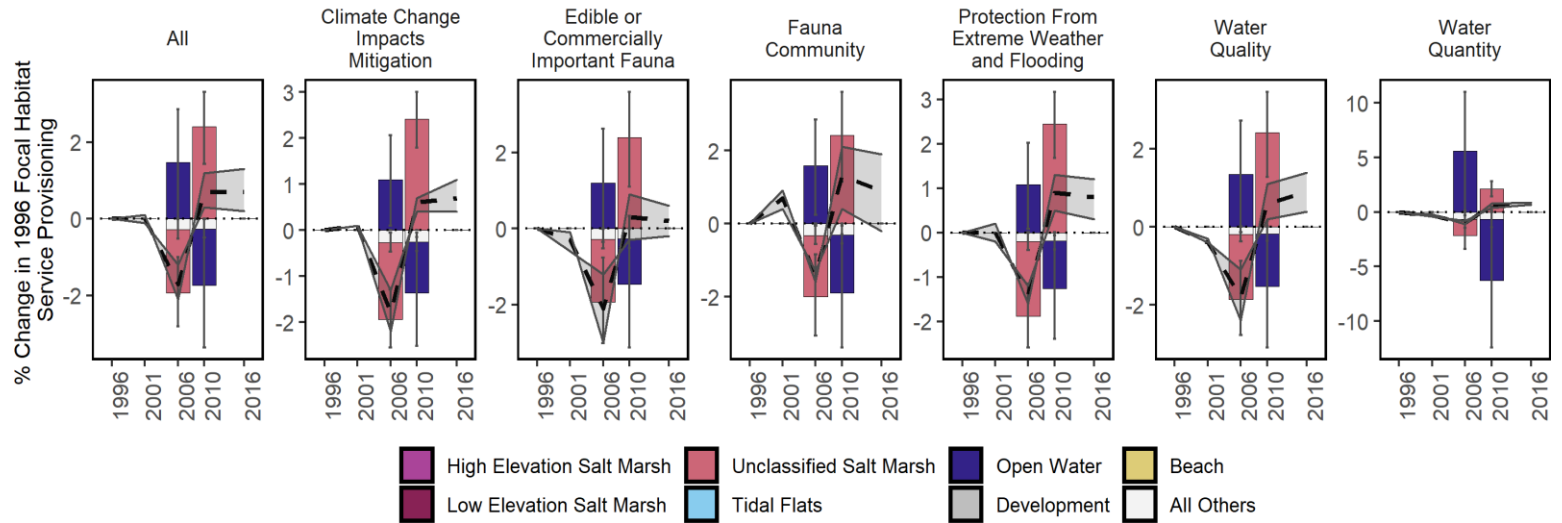
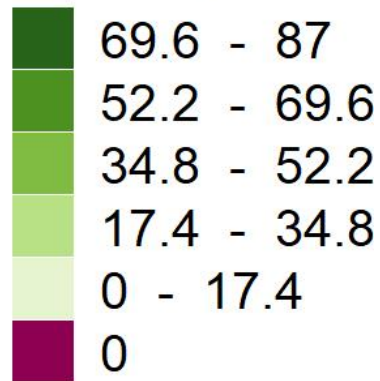


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,970.6	50.0	15.0	4.9	25.0	0	5.0
Percent Focal	3,940.5	100.0	30.1	9.9	50.0	0	10.1
Percent All	100.0	2.5	0.8	0.3	1.3	0	0.3

Good Harbor - Change 1996-2016

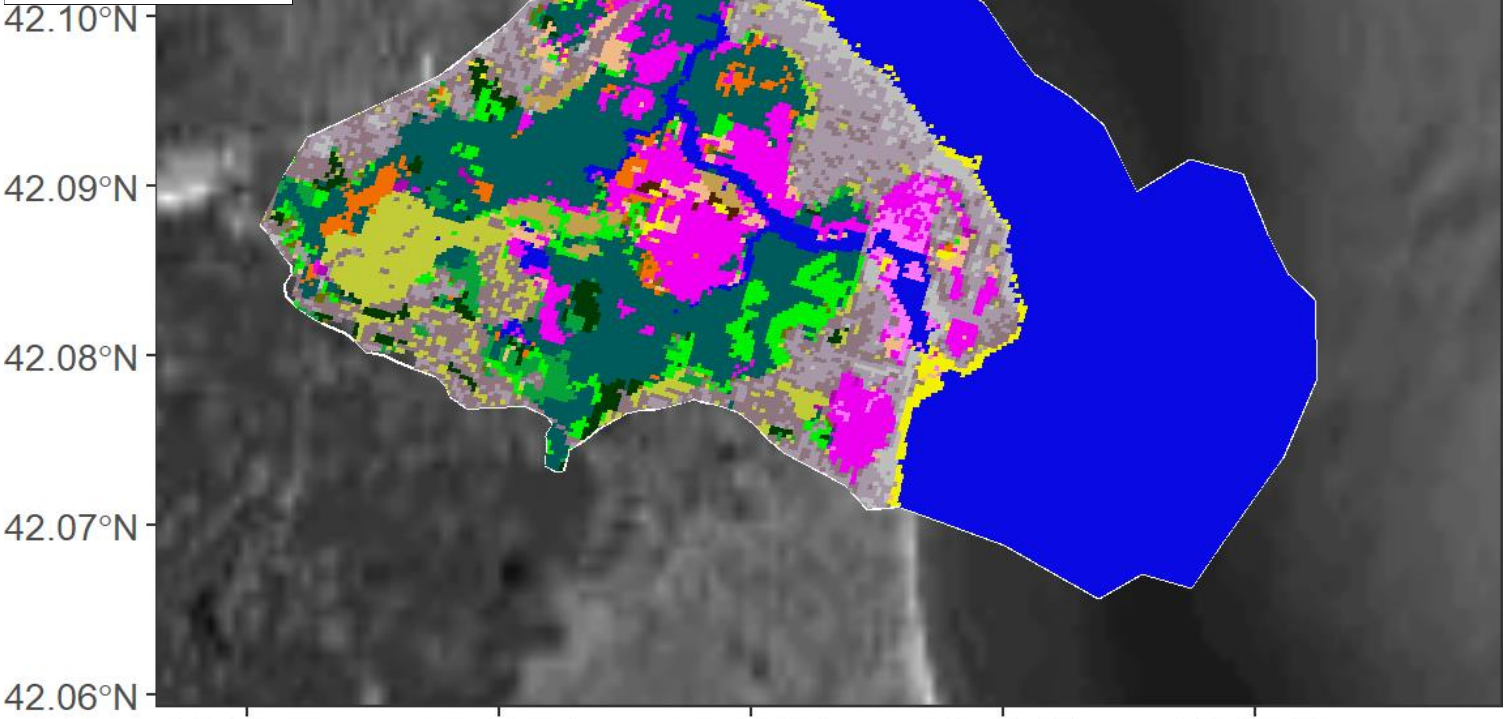


% Change

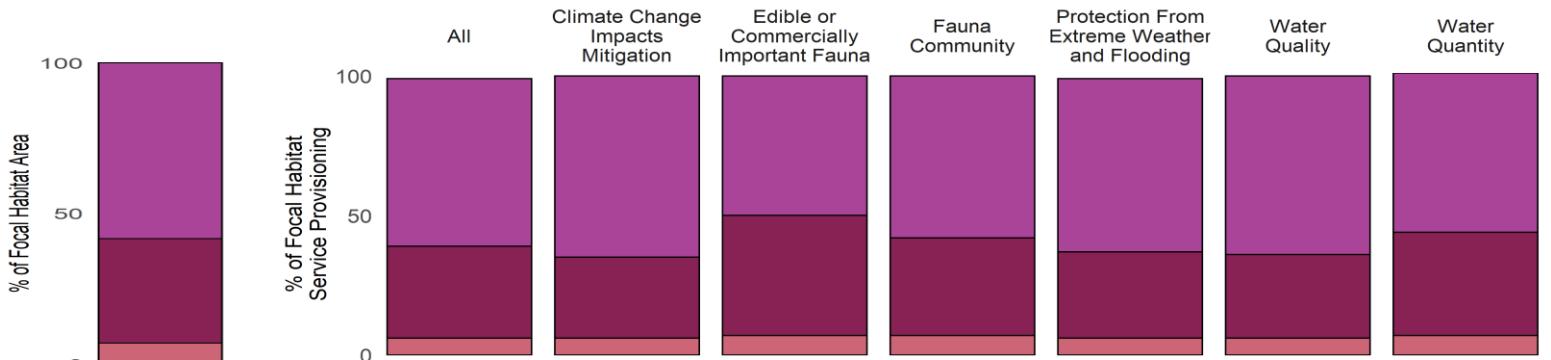


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	All Others	0.4	0.7	-0.5	0.7

Green Harbor - 1996



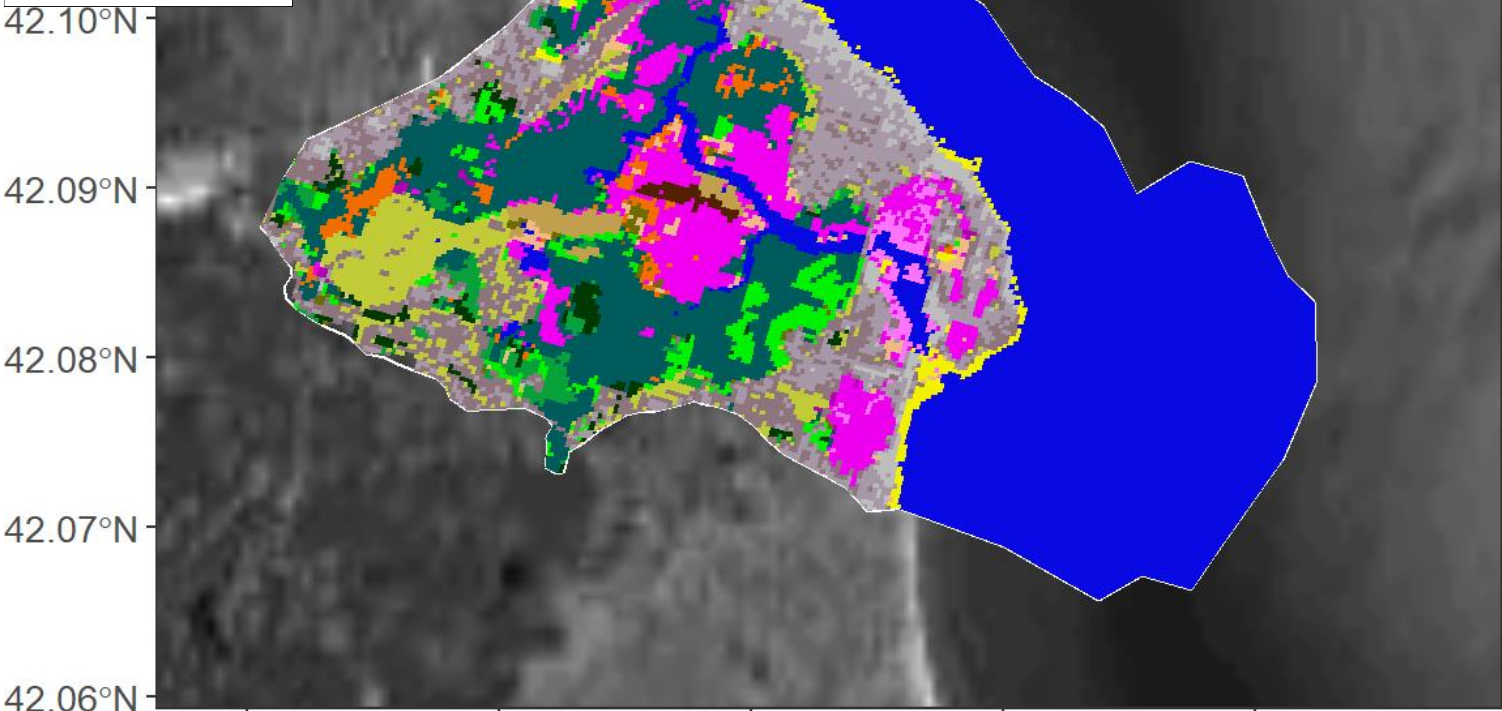
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| <ul style="list-style-type: none"> Developed, High Intensity Developed, Medium Intensity Developed, Low Intensity Developed, Open Space Cultivated Crops Pasture/Hay | <ul style="list-style-type: none"> Grassland/Herbaceous Deciduous Forest Evergreen Forest Mixed Forest Scrub/Shrub Palustrine Forested Wetland | <ul style="list-style-type: none"> Palustrine Scrub/Shrub Wetland Palustrine Emergent Wetland Estuarine Forested Wetland Estuarine Scrub/Shrub Wetland Unclassified Saltmarsh Low Elevation Saltmarsh | <ul style="list-style-type: none"> High Elevation Saltmarsh Tidal Flats Beach Open Water Palustrine Aquatic Bed Seagrass |
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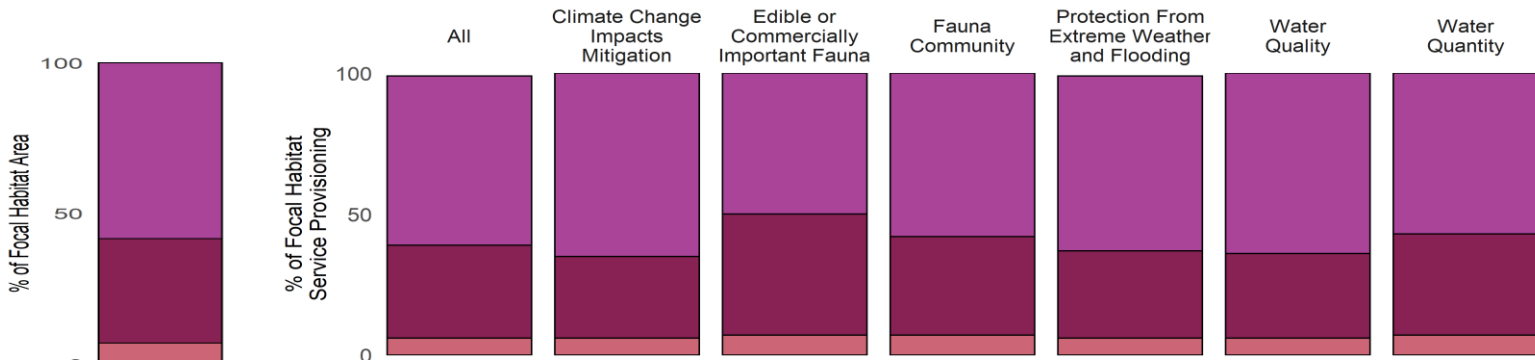
- | | | | | | |
|---|---------------------------|---|--------------------------|---|-------------------------|
| ■ | High Elevation Salt Marsh | ■ | Low Elevation Salt Marsh | ■ | Unclassified Salt Marsh |
|---|---------------------------|---|--------------------------|---|-------------------------|

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,670.5	45.6	26.6	15.8	3.1	0	0
Percent Focal	8,044.0	100.0	58.4	34.7	6.9	0	0
Percent All	100.0	1.2	0.7	0.4	0.1	0	0

Green Harbor - 2016



- | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Developed, High Intensity Developed, Medium Intensity Developed, Low Intensity Developed, Open Space Cultivated Crops Pasture/Hay | <ul style="list-style-type: none"> Grassland/Herbaceous Deciduous Forest Evergreen Forest Mixed Forest Scrub/Shrub Palustrine Forested Wetland | <ul style="list-style-type: none"> Palustrine Scrub/Shrub Wetland Palustrine Emergent Wetland Estuarine Forested Wetland Estuarine Scrub/Shrub Wetland Unclassified Saltmarsh Low Elevation Saltmarsh | <ul style="list-style-type: none"> High Elevation Saltmarsh Tidal Flats Beach Open Water Palustrine Aquatic Bed Seagrass |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,670.5	45.6	26.6	15.8	3.1	0	0
Percent Focal	8,044.0	100.0	58.4	34.7	6.9	0	0
Percent All	100.0	1.2	0.7	0.4	0.1	0	0

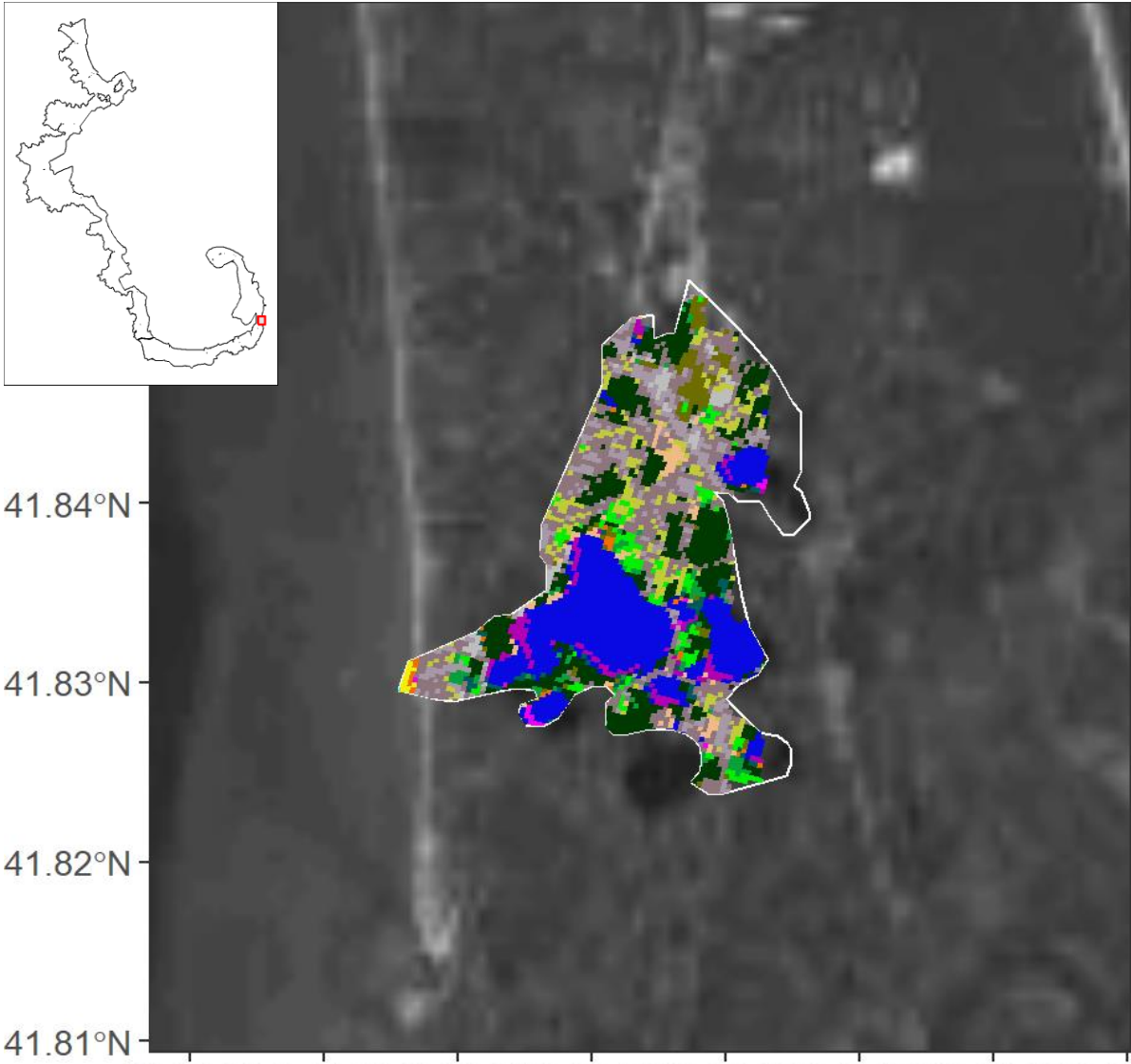
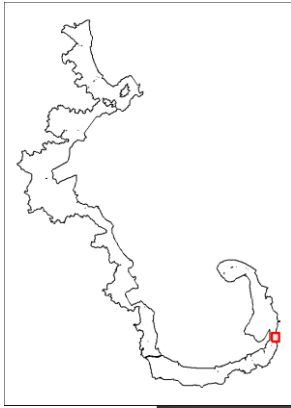
Green Harbor - Change 1996-2016



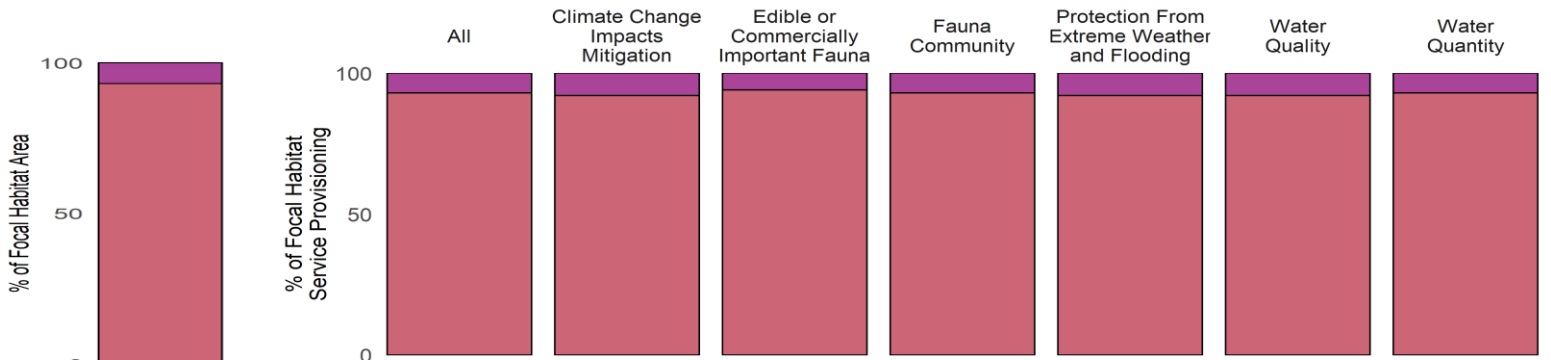
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No Focal Habitat Cover Change from 1996-2016

Herring Brook / Great Pond - 1996

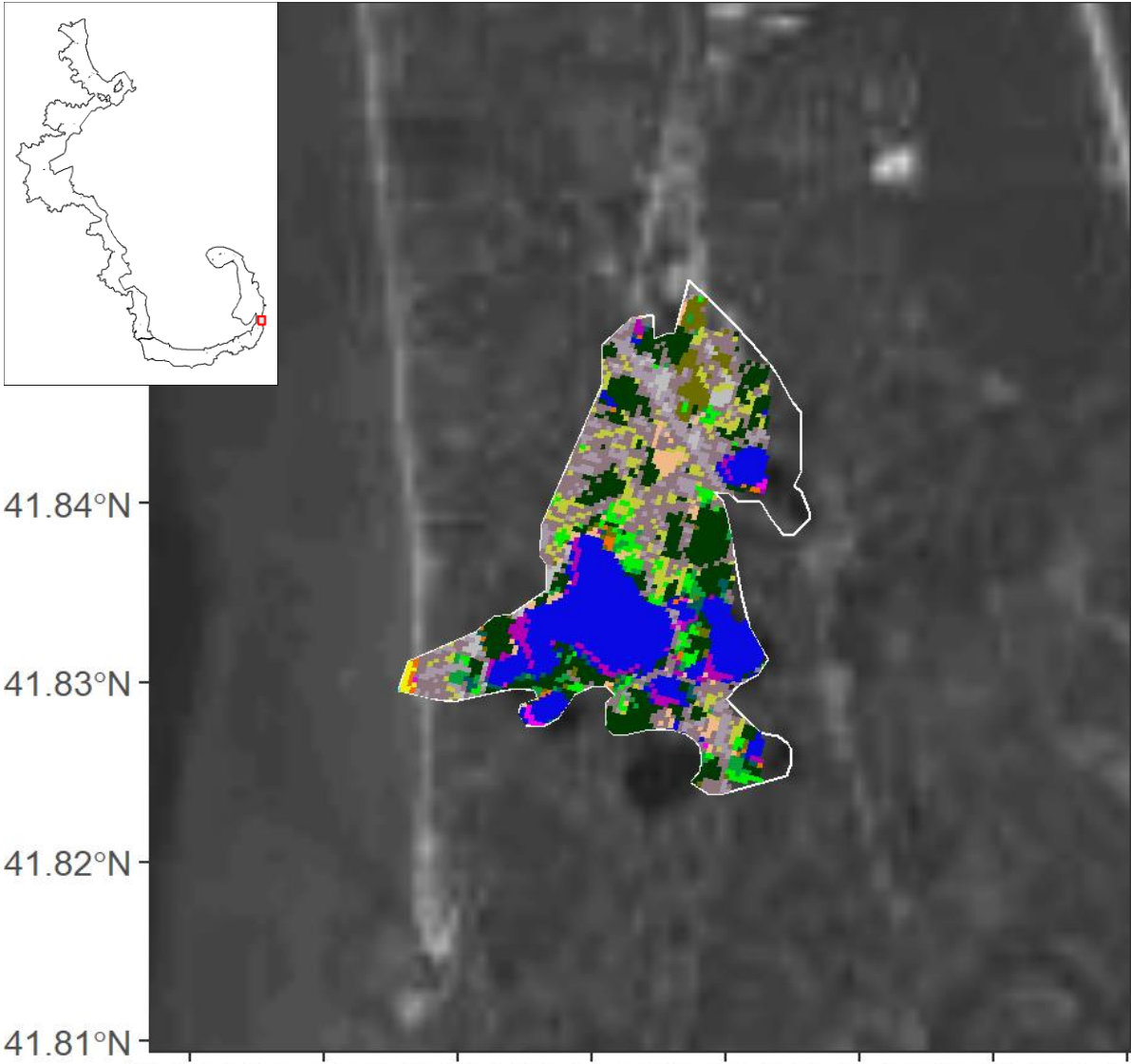
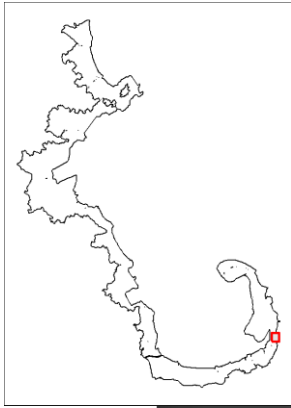


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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

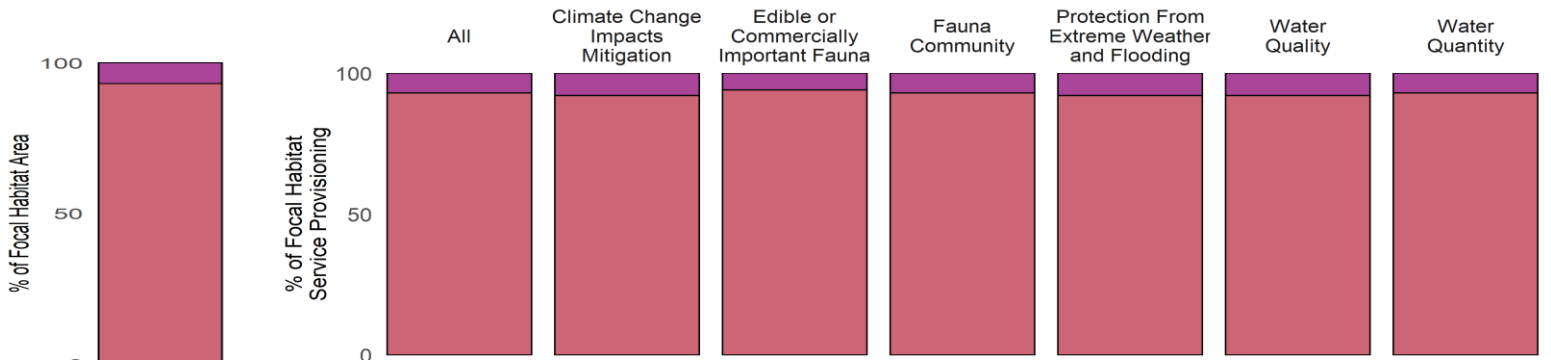


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	660.0	10.8	0.7	0	10.0	0	0.0
Percent Focal	6,139.5	100.0	6.9	0	92.9	0	0.2
Percent All	100.0	1.6	0.1	0	1.5	0	0.0

Herring Brook / Great Pond - 2016

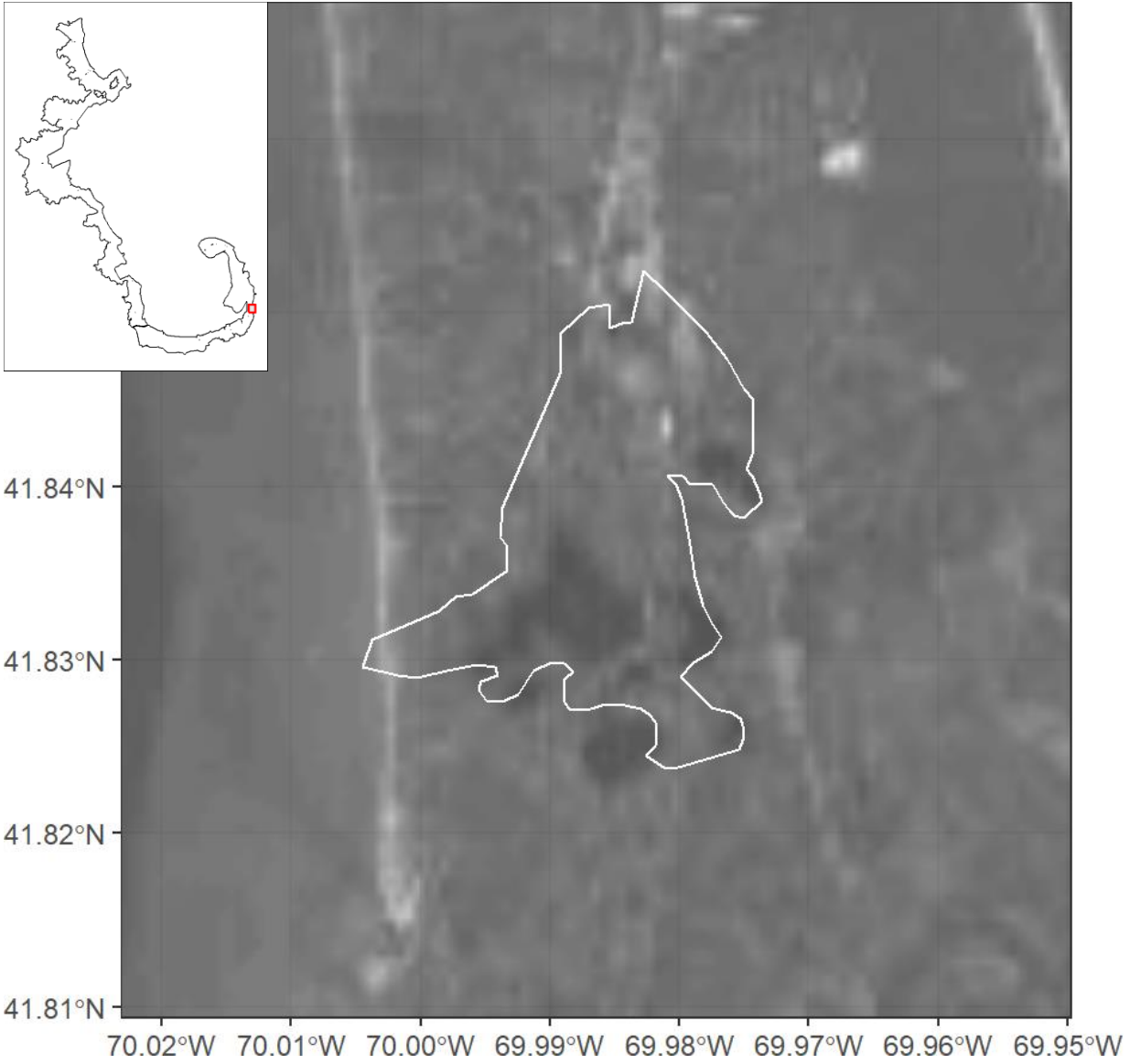


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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |



Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	660.0	10.8	0.7	0	10.0	0	0.0
Percent Focal	6,139.5	100.0	6.9	0	92.9	0	0.2
Percent All	100.0	1.6	0.1	0	1.5	0	0.0

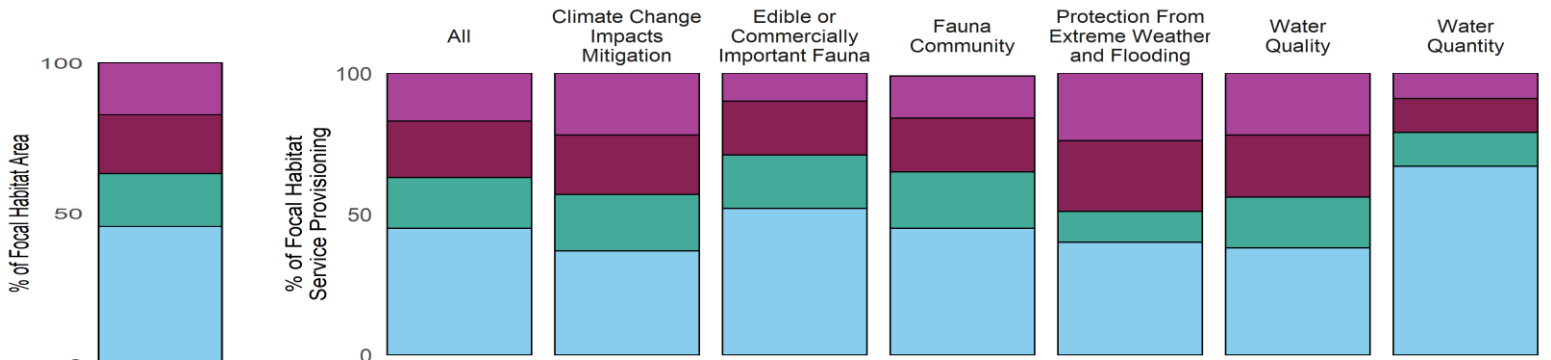
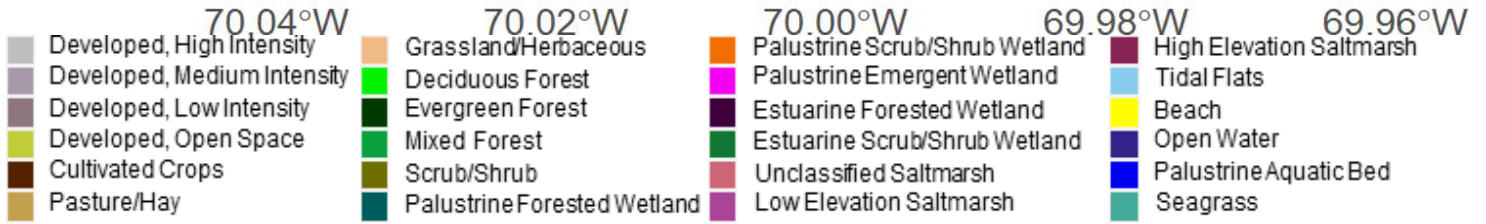
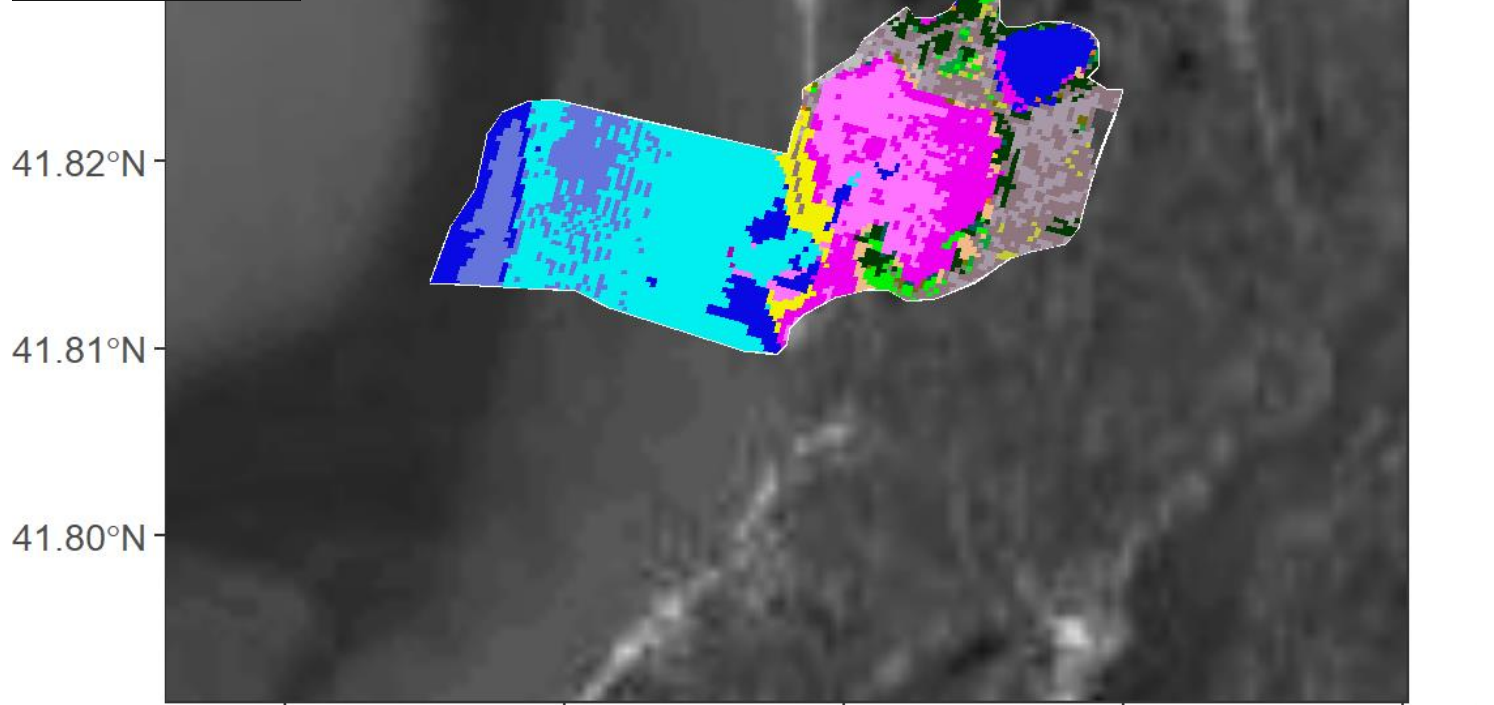
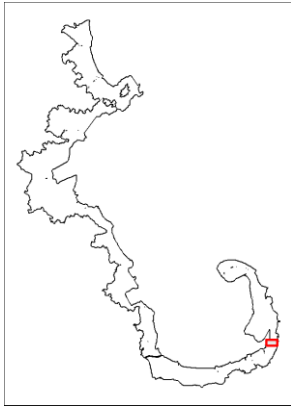
Herring Brook / Great Pond - Change 1996-2016



label

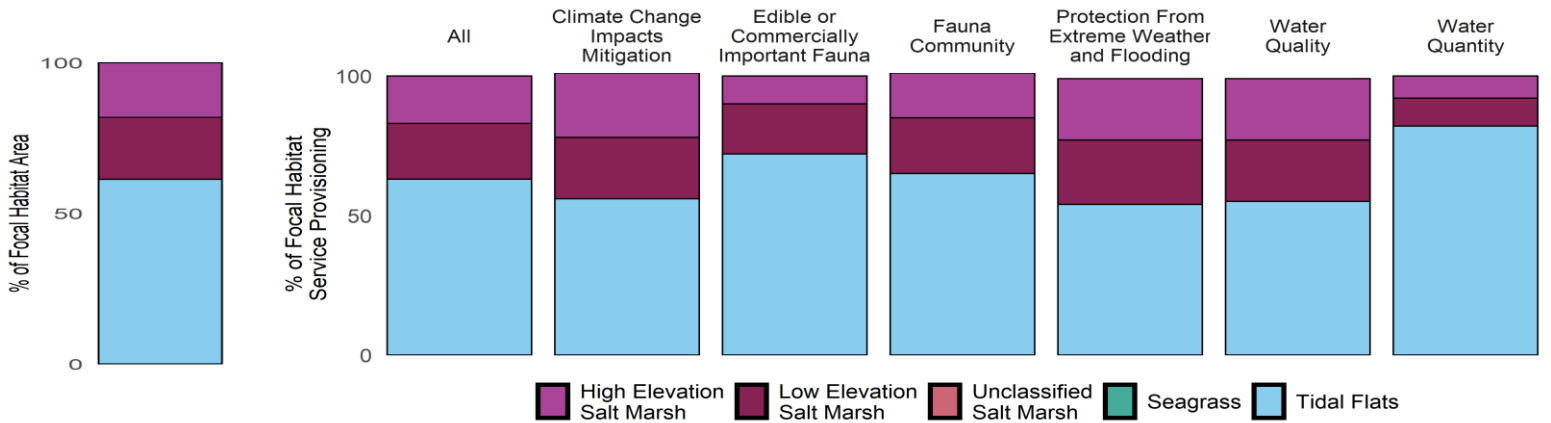
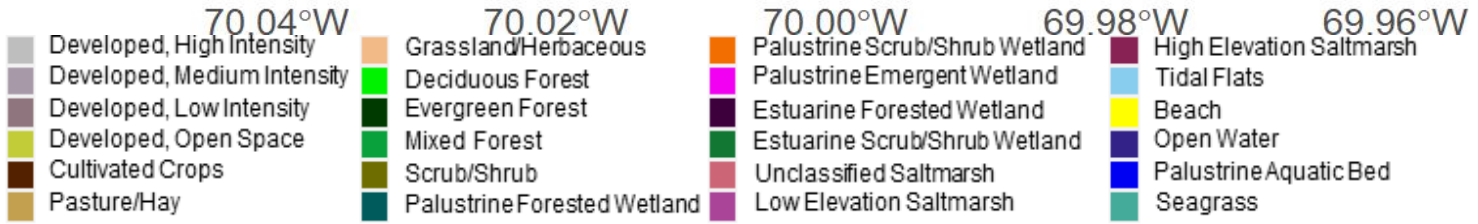
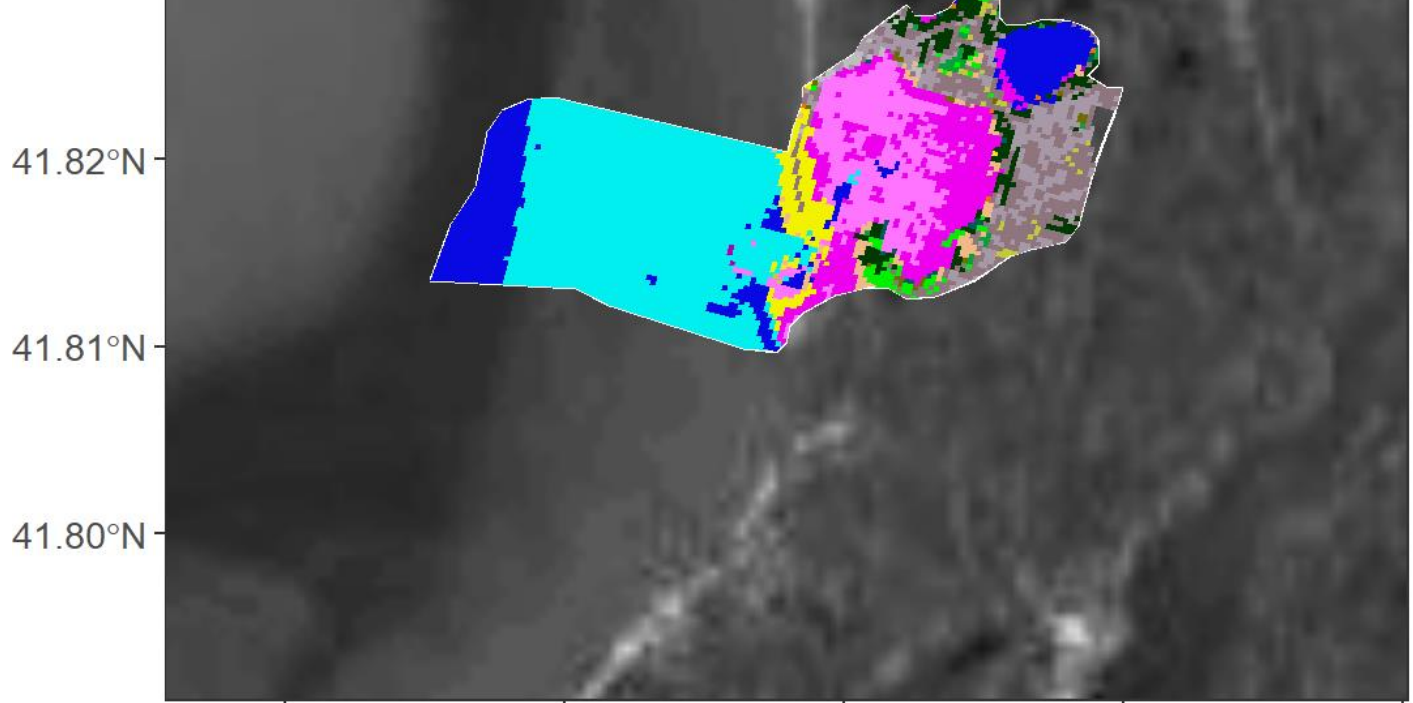
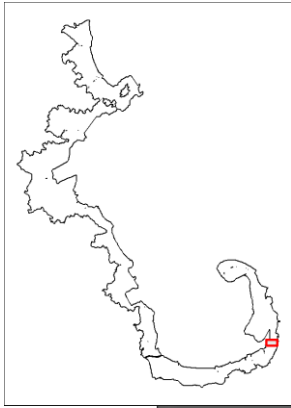
No Focal Habitat Cover Change from 1996-2016

Herring River / Herring Pond - 1996



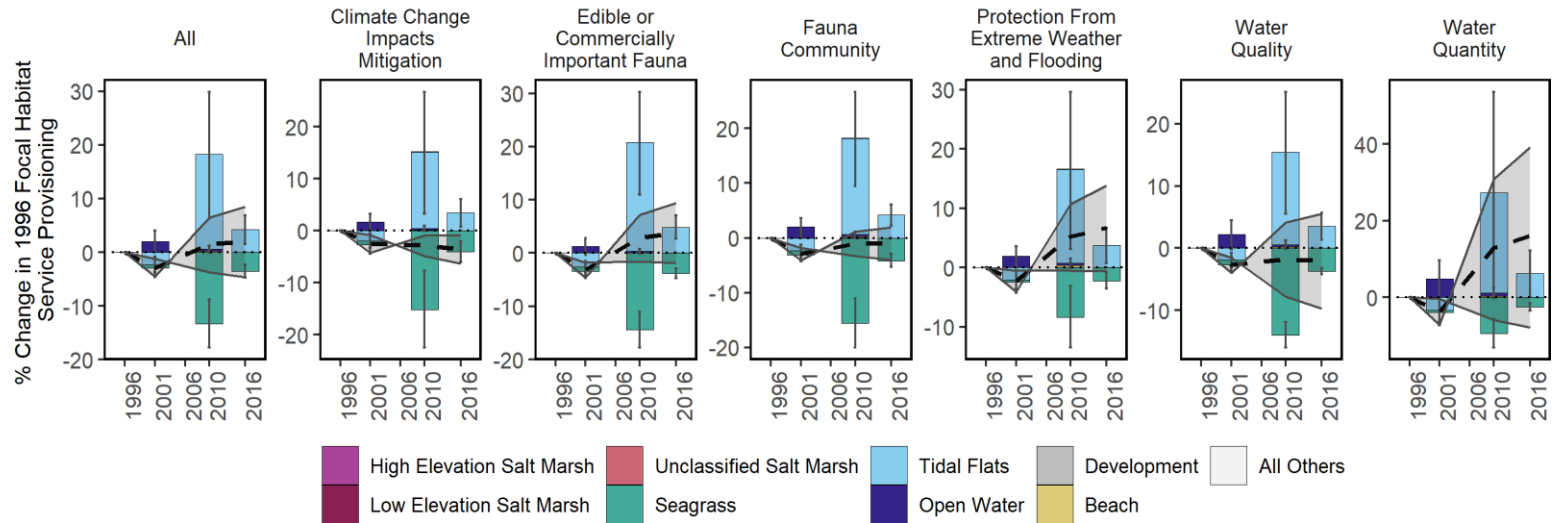
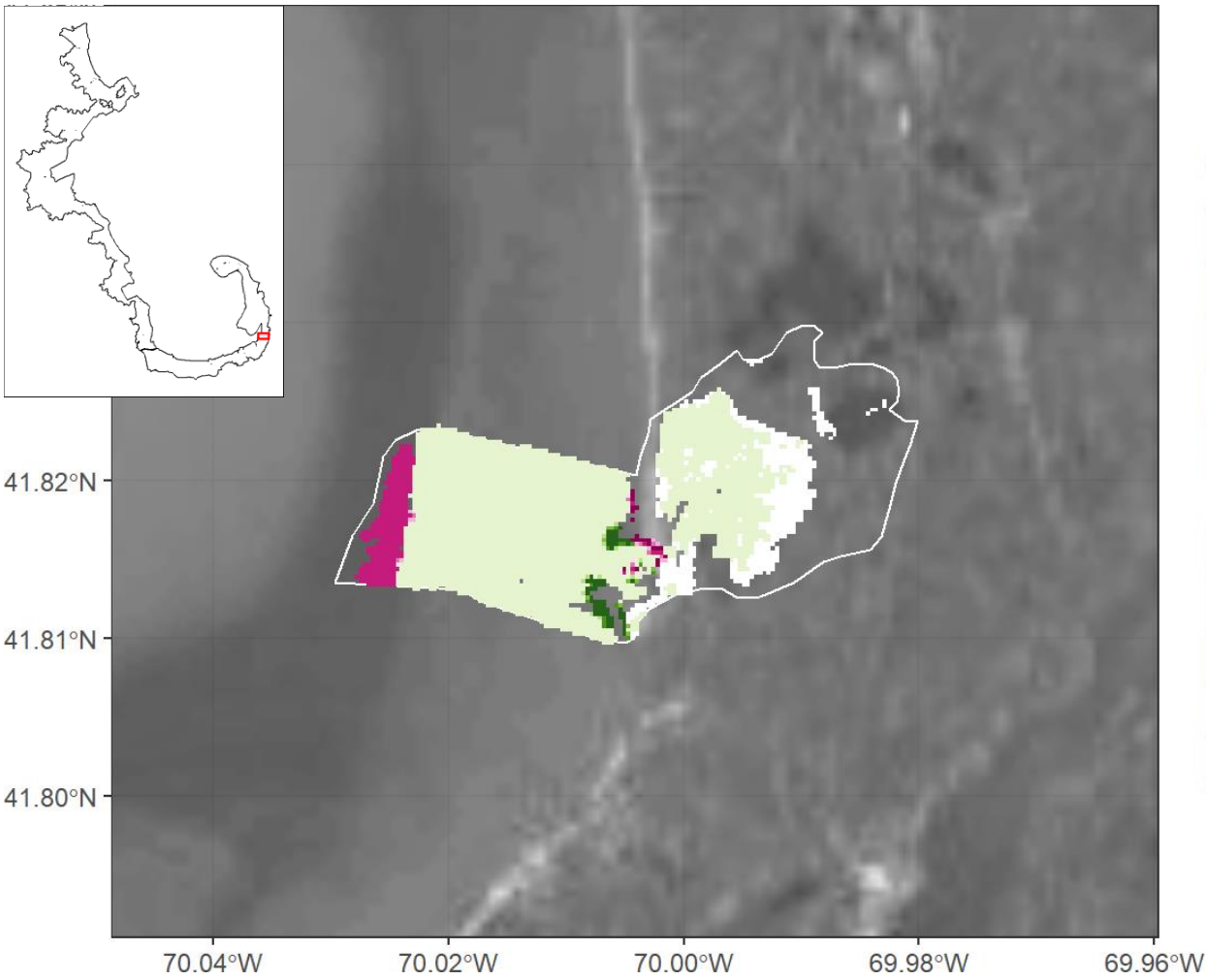
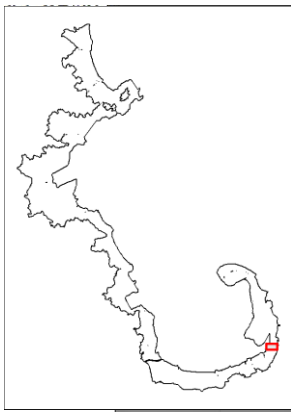
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	883.5	297.1	51.1	57.8	0.4	52.0	135.9
Percent Focal	297.3	100.0	17.2	19.5	0.1	17.5	45.7
Percent All	100.0	33.6	5.8	6.5	0.0	5.9	15.4

Herring River / Herring Pond - 2016



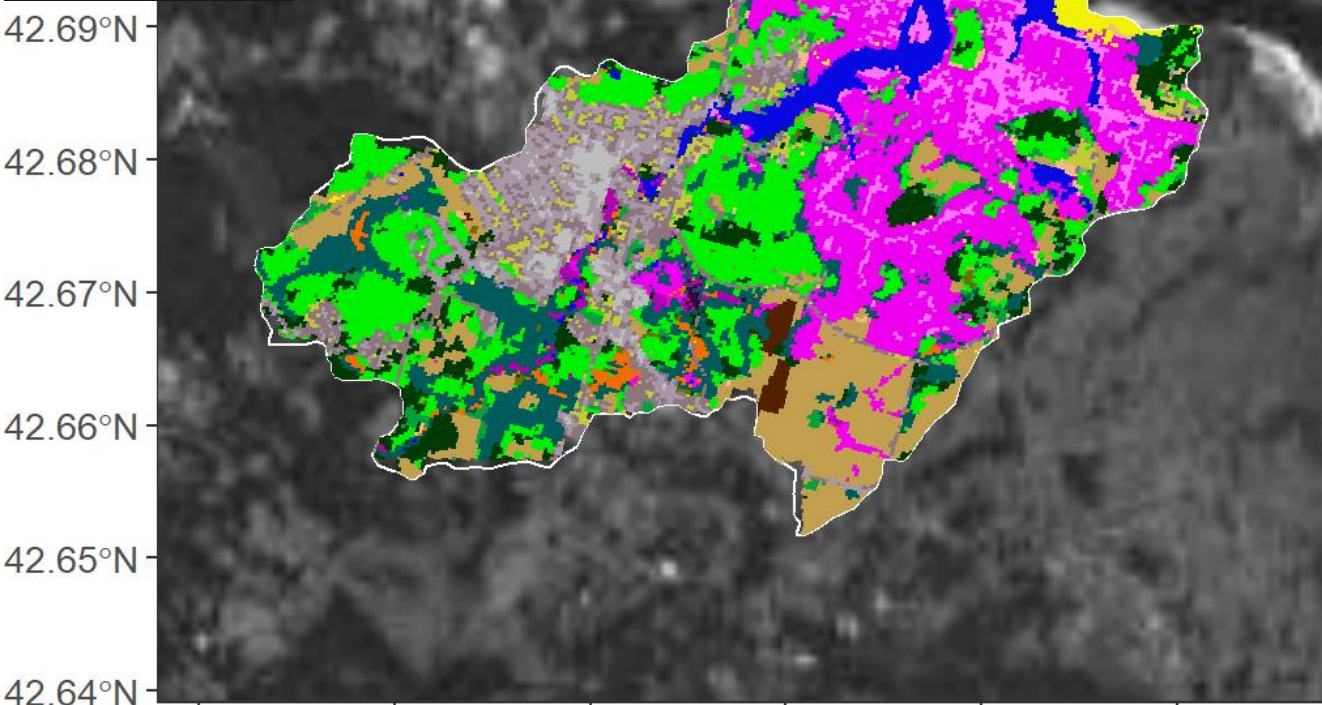
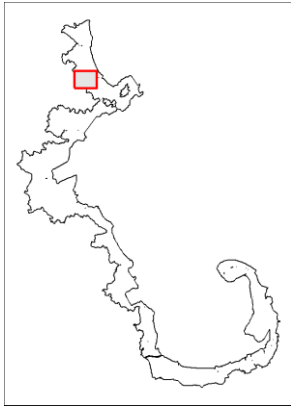
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	883.5	282.0	51.1	57.9	0.4	0	172.6
Percent Focal	313.3	100.0	18.1	20.5	0.1	0	61.2
Percent All	100.0	31.9	5.8	6.6	0.0	0	19.5

Herring River / Herring Pond - Change 1996-2016

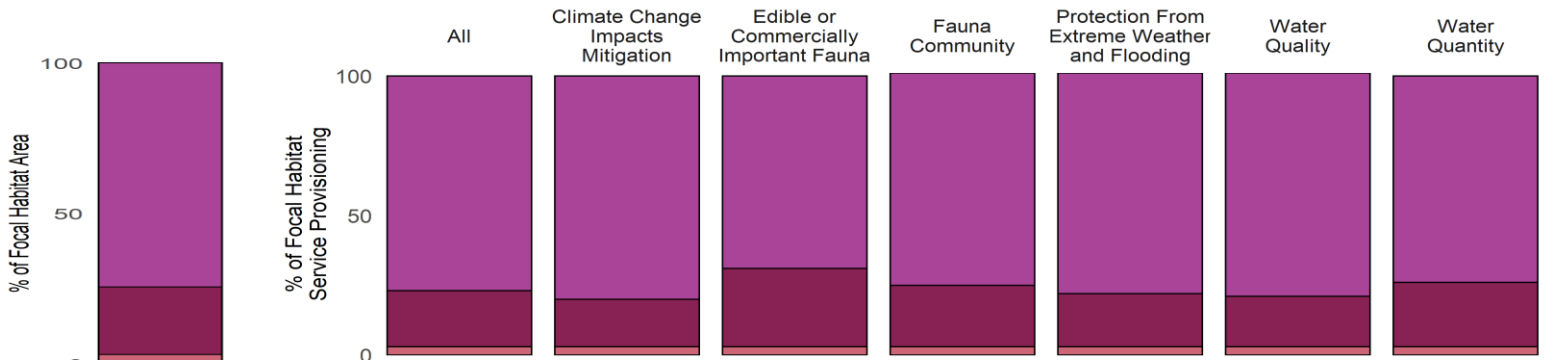


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Tidal Flats	-33.7	-11.4	26.1	14.7
Seagrass	Open Water	-18.2	-6.2	3.4	-6.2
Tidal Flats	Beach	-2.1	-9.0	0.2	-9.0
Tidal Flats	All Others	-0.3	-1.8	0.0	-1.8
Low Elev. Salt Marsh	Open Water	0.1	0.0	0.0	0.0
Tidal Flats	Open Water	5.3	4.2	-1.0	4.2

Ipswich River - 1996

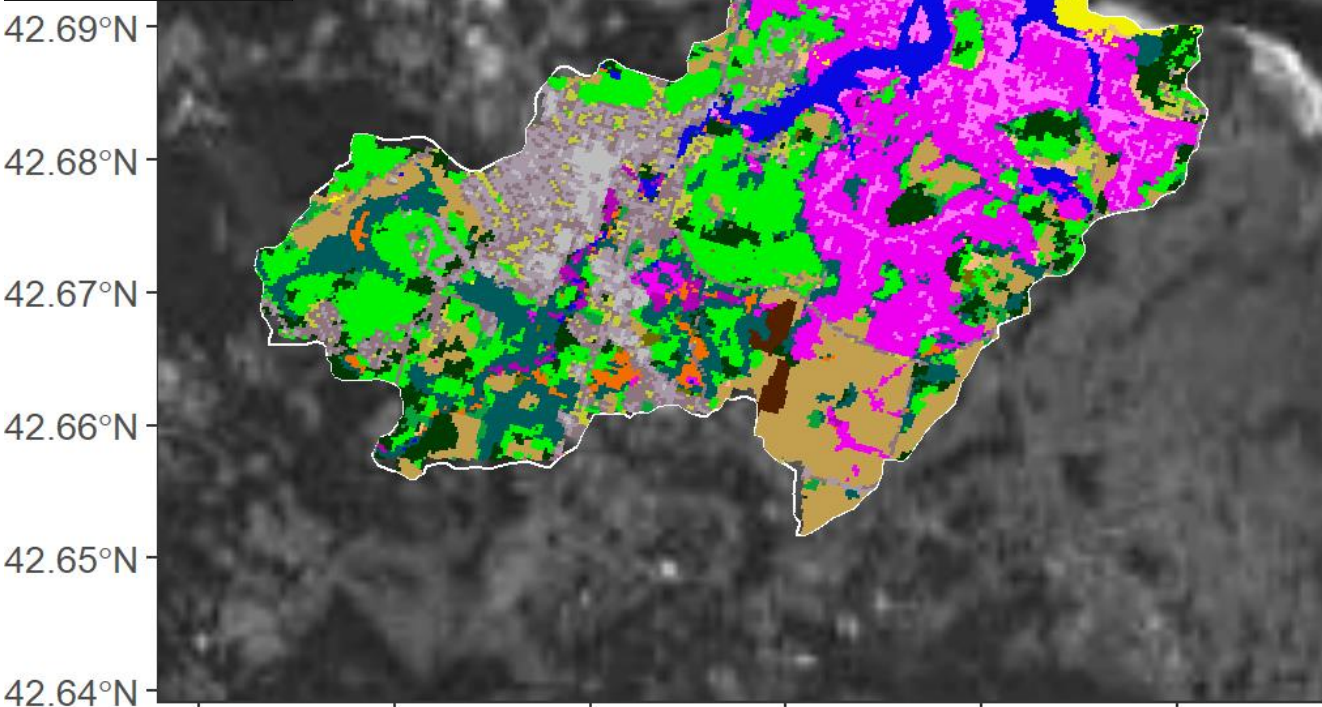
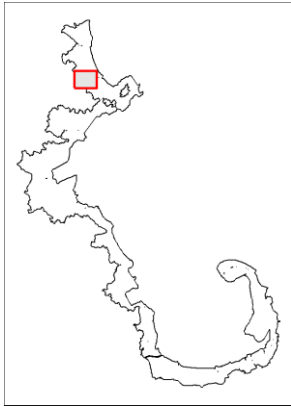


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

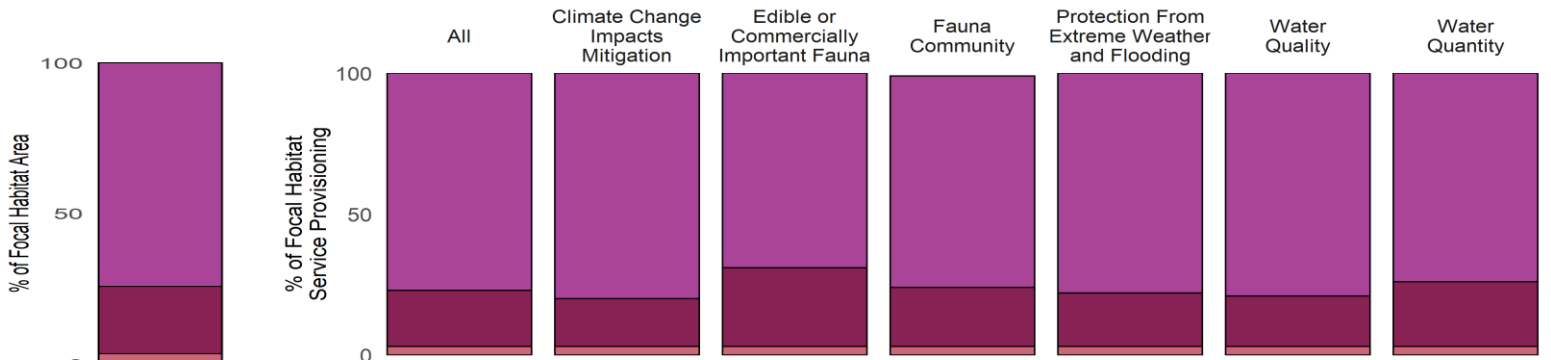


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	4,513.3	554.5	413.1	124.6	16.9	0	0
Percent Focal	813.9	100.0	74.5	22.5	3.1	0	0
Percent All	100.0	12.3	9.2	2.8	0.4	0	0

Ipswich River - 2016

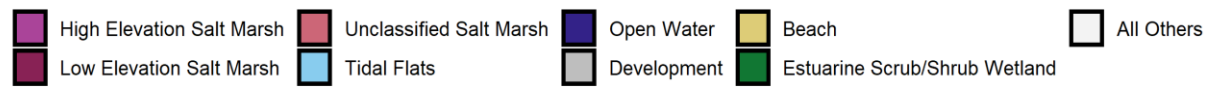
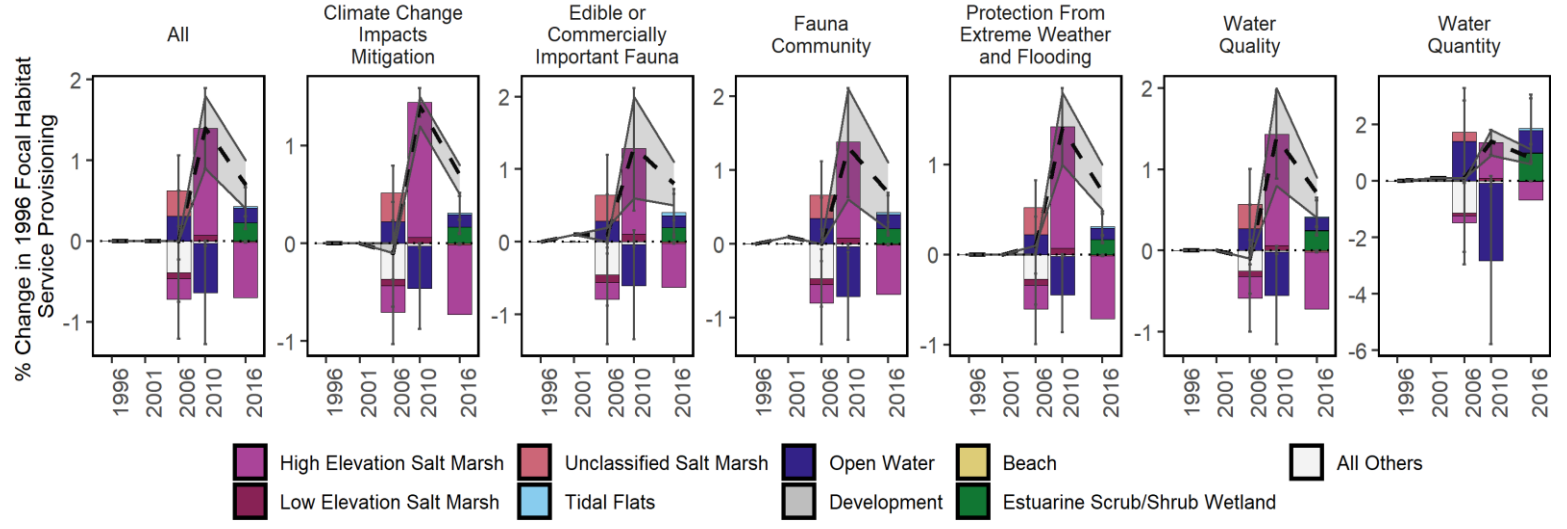
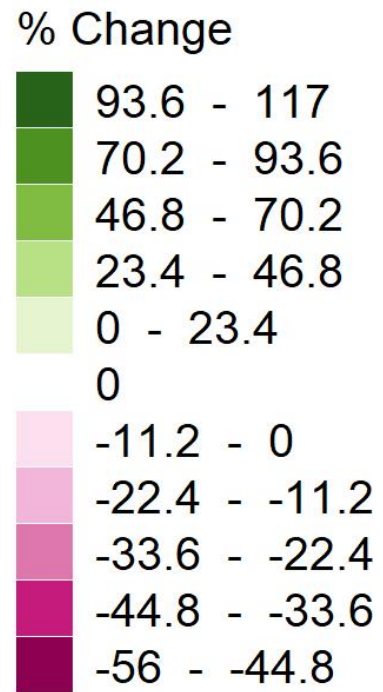
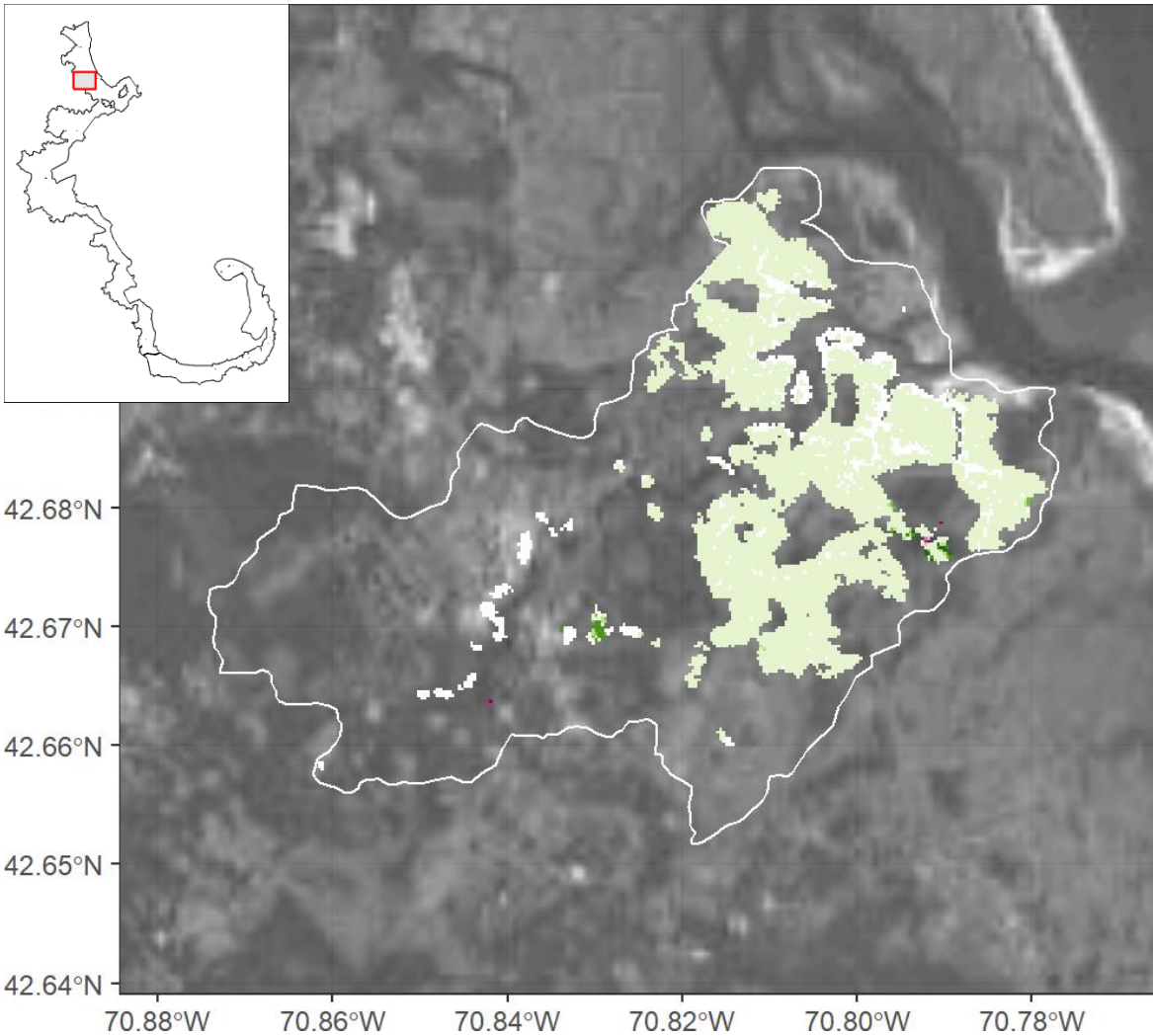
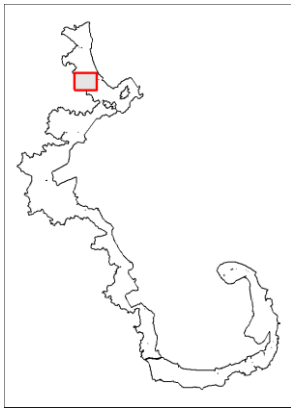


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	4,513.3	558.1	414.8	124.6	18.7	0	0.1
Percent Focal	808.6	100.0	74.3	22.3	3.4	0	0.0
Percent All	100.0	12.4	9.2	2.8	0.4	0	0.0

Ipswich River - Change 1996-2016

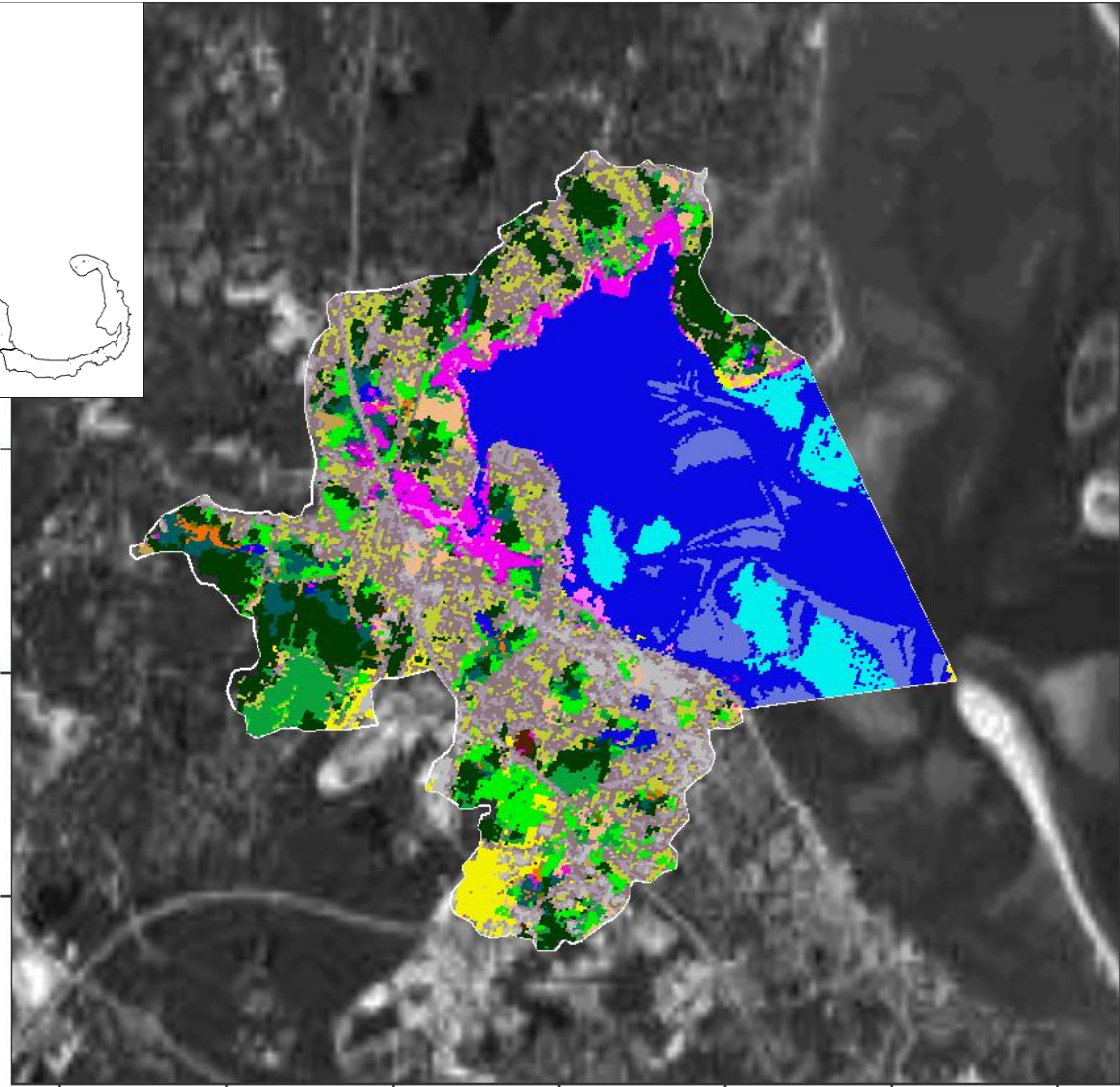


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.4	-0.1	0.1	-0.1
High Elev. Salt Marsh	Open Water	-0.3	-0.1	0.0	-0.1
Unclassified Salt Marsh	Development	-0.1	0.0	0.0	0.0
Unclassified Salt Marsh	Open Water	-0.1	0.0	0.0	0.0
High Elev. Salt Marsh	Unclassified Salt Marsh	-0.1	0.0	0.0	0.0
Tidal Flats	Open Water	0.1	0.0	0.0	0.0
Unclassified Salt Marsh	All Others	1.9	0.3	-0.2	0.3
High Elev. Salt Marsh	All Others	2.5	0.6	-0.3	0.6

Jones River / Kingston Bay - 1996

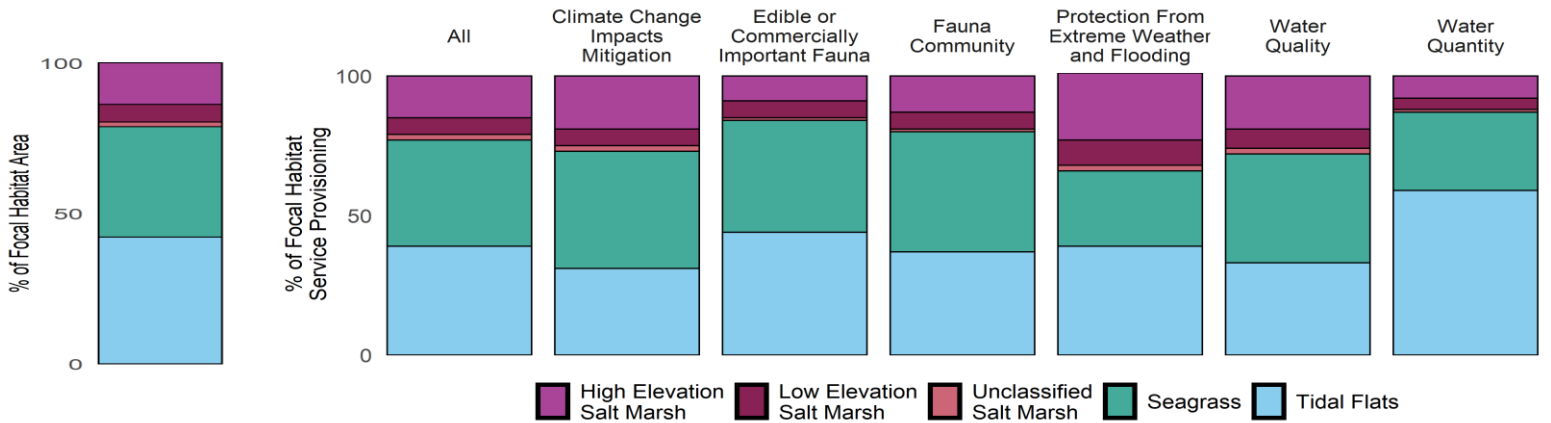


42.00°N
41.98°N
41.96°N



70.76°W 70.74°W 70.72°W 70.70°W 70.68°W 70.66°W 70.64°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

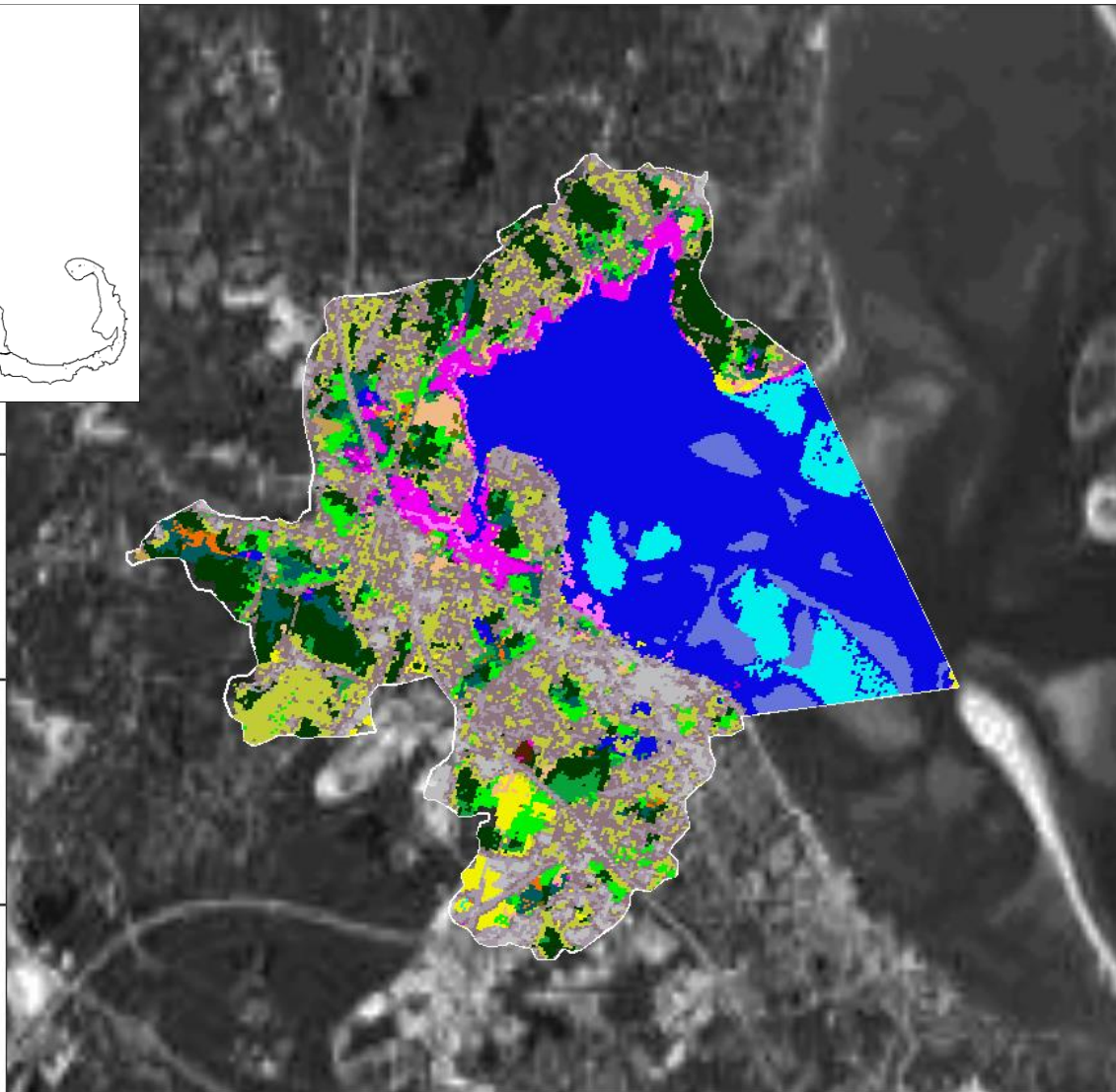


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,763.3	385.9	53.1	22.8	5.8	141.5	162.8
Percent Focal	1,493.3	100.0	13.8	5.9	1.5	36.7	42.2
Percent All	100.0	6.7	0.9	0.4	0.1	2.5	2.8

Jones River / Kingston Bay - 2016

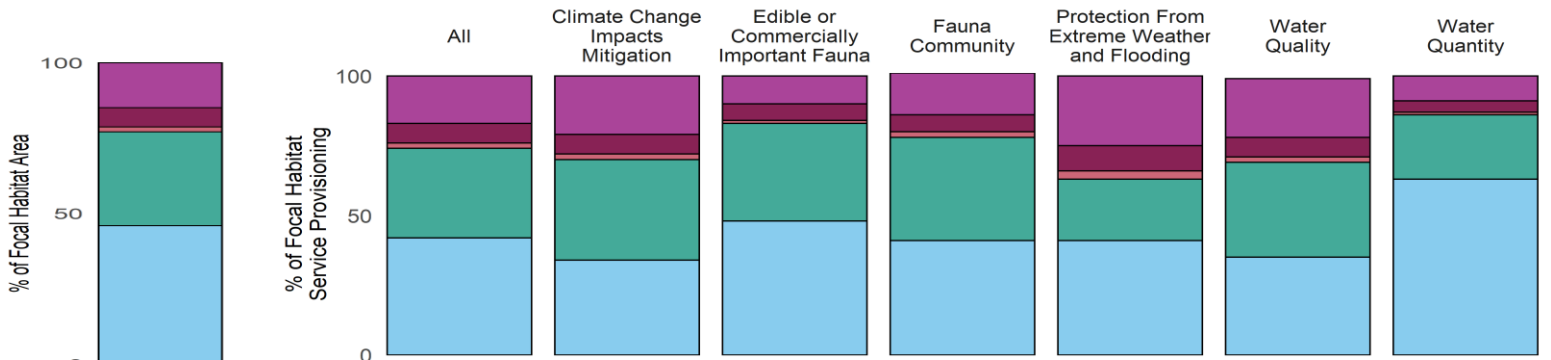


42.00°N
41.98°N
41.96°N



70.76°W 70.74°W 70.72°W 70.70°W 70.68°W 70.66°W 70.64°W

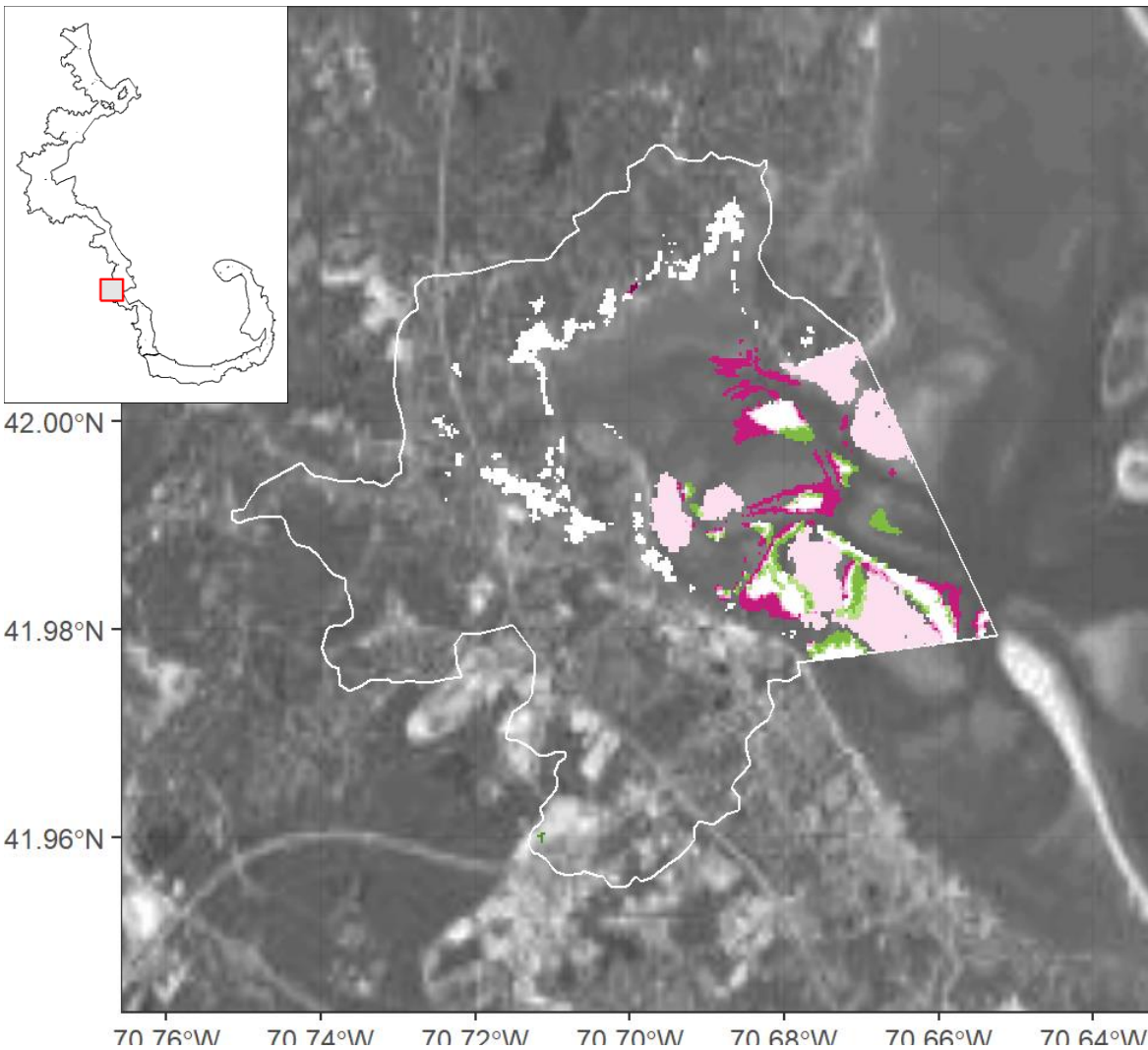
- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



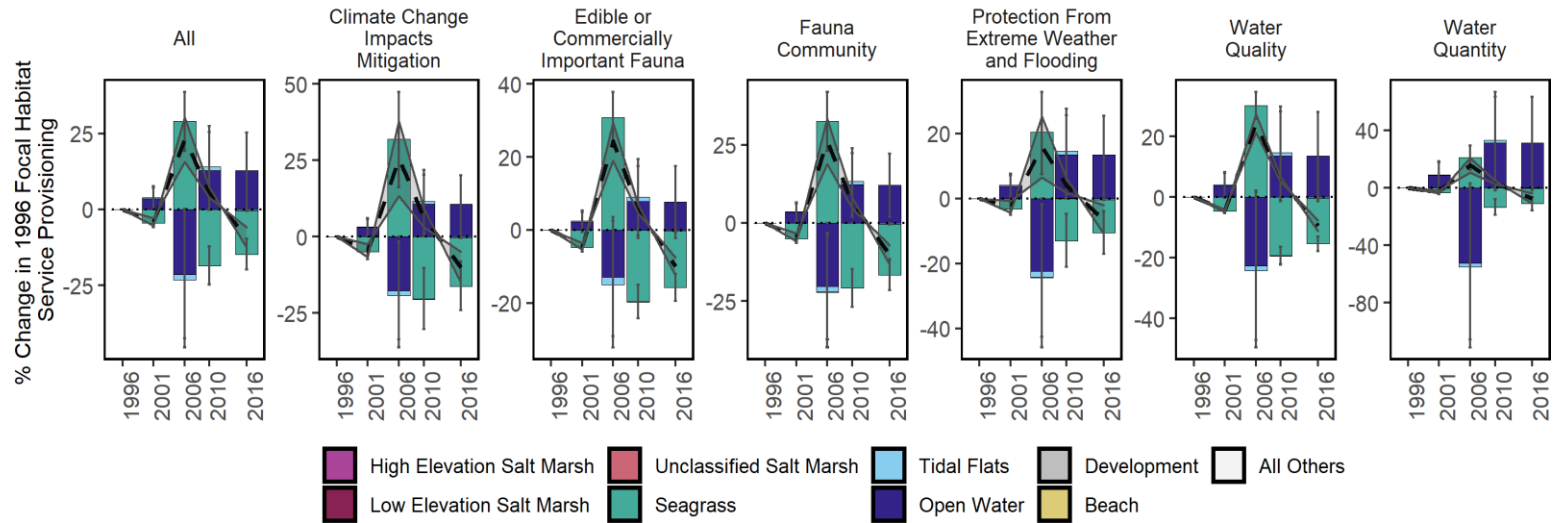
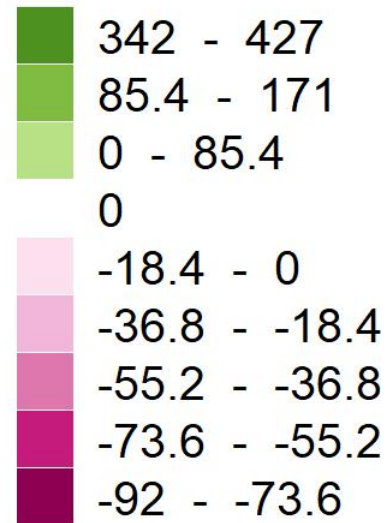
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh
- Seagrass
- Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,763.3	353.4	52.8	22.7	5.8	109.8	162.4
Percent Focal	1,630.8	100.0	14.9	6.4	1.6	31.1	45.9
Percent All	100.0	6.1	0.9	0.4	0.1	1.9	2.8

Jones River / Kingston Bay - Change 1996-2016



% Change

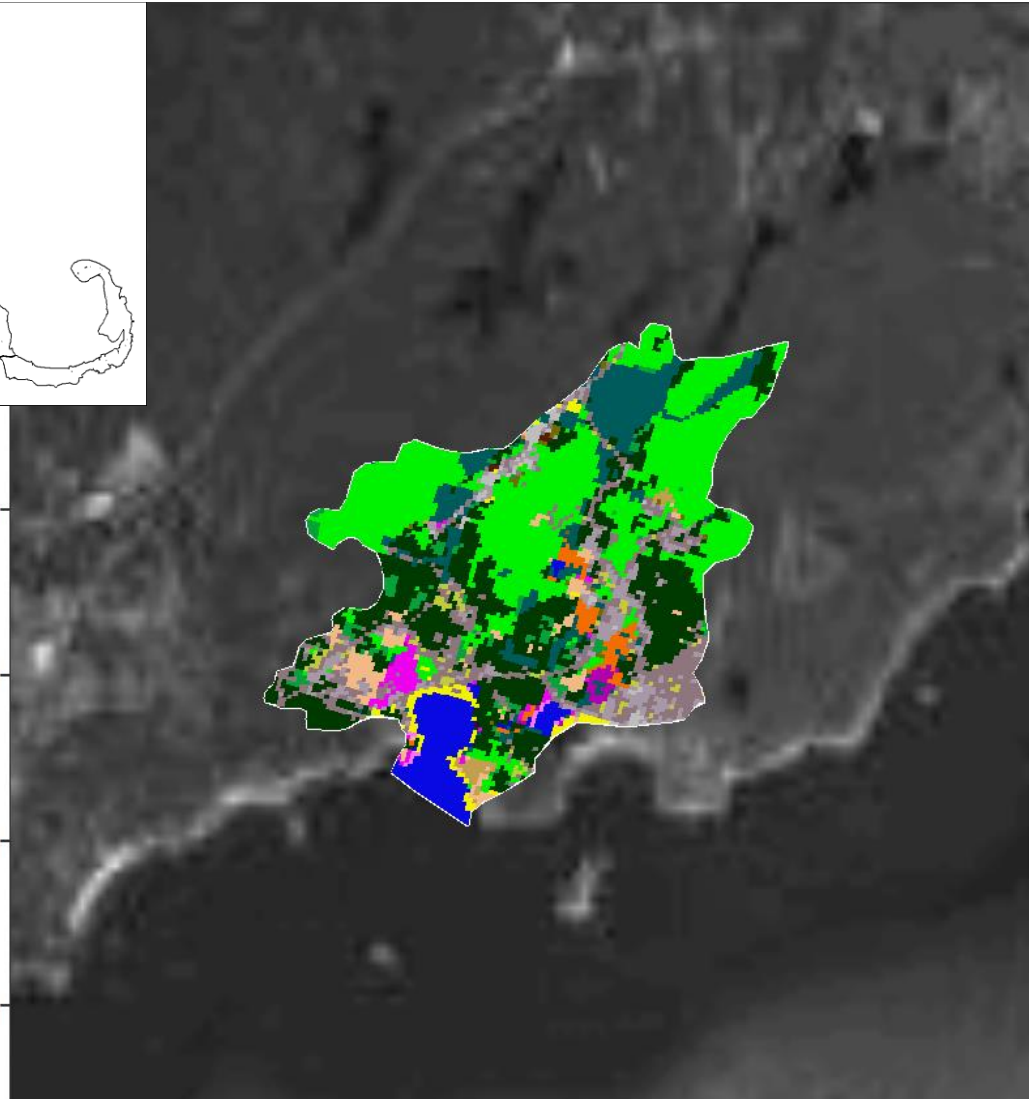


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-32.5	-8.0	7.8	-8.0
Tidal Flats	Seagrass	-0.8	0.4	-0.5	-0.1
High Elev. Salt Marsh	Development	-0.3	-0.1	0.0	-0.1
Low Elev. Salt Marsh	Development	-0.1	0.0	0.0	0.0
Tidal Flats	Beach	0.4	-1.1	0.0	-1.1

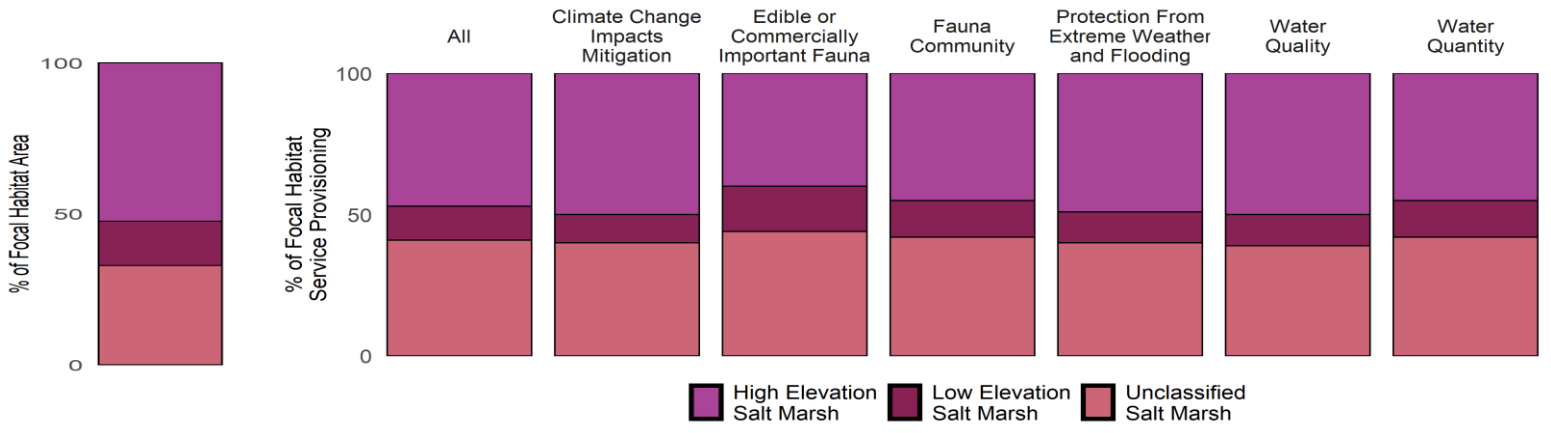
Kettle Cove - 1996



42.59°N
42.58°N
42.57°N
42.56°N

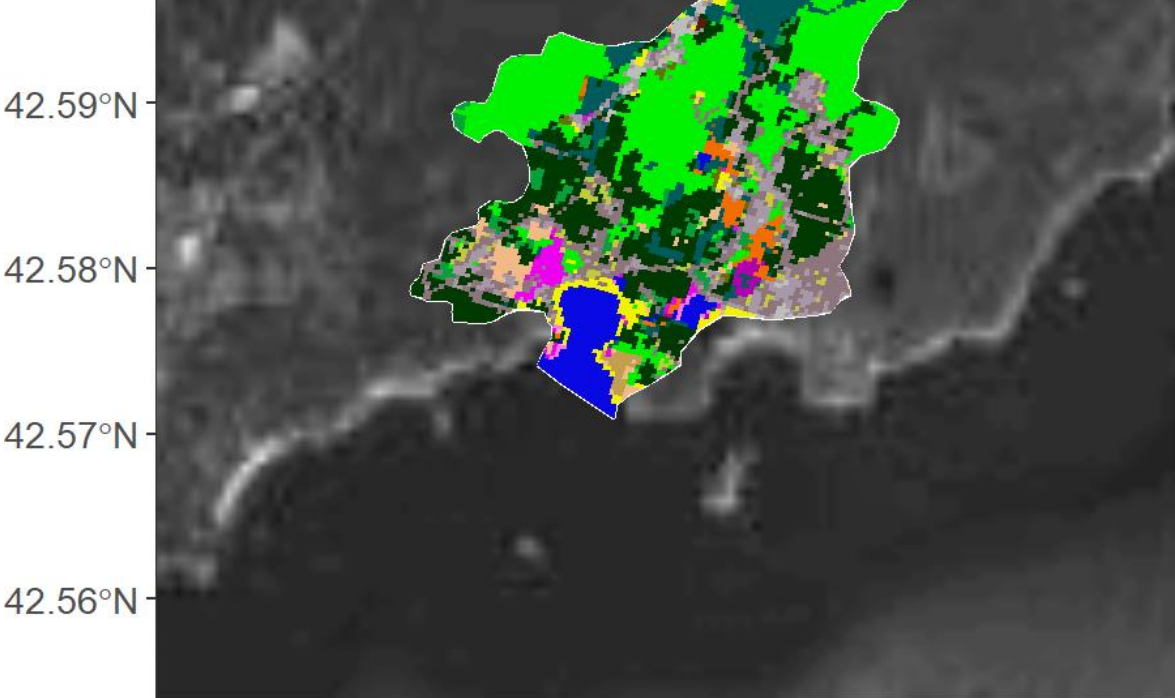


- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass

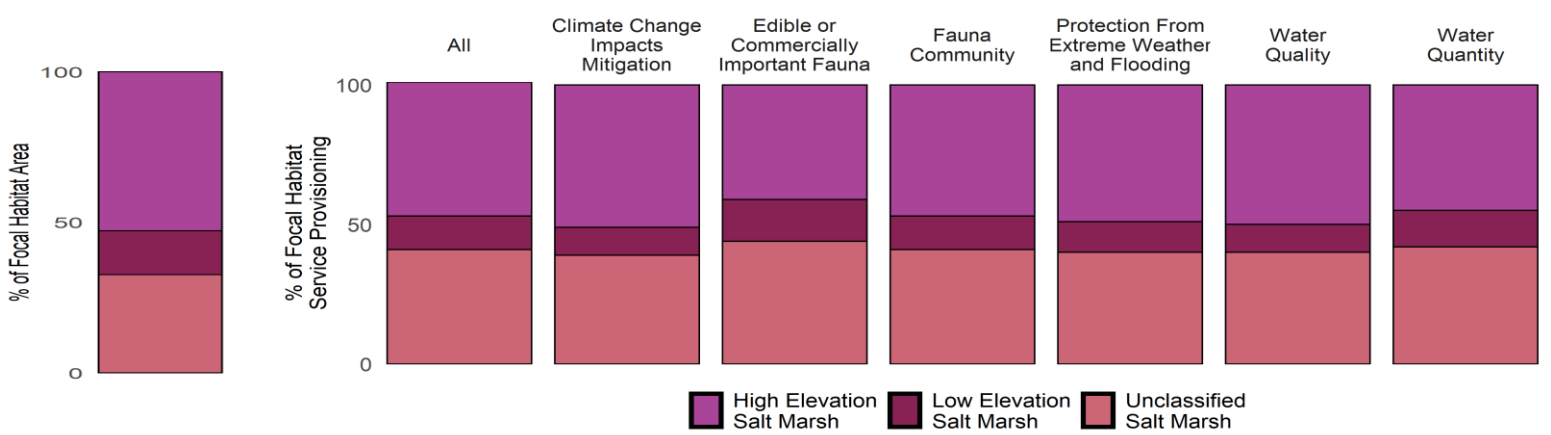


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,120.1	10.4	5.4	1.5	3.4	0	0
Percent Focal	10,780.3	100.0	52.4	14.7	32.9	0	0
Percent All	100.0	0.9	0.5	0.1	0.3	0	0

Kettle Cove - 2016

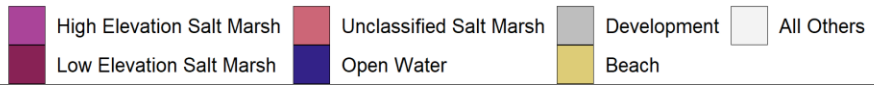
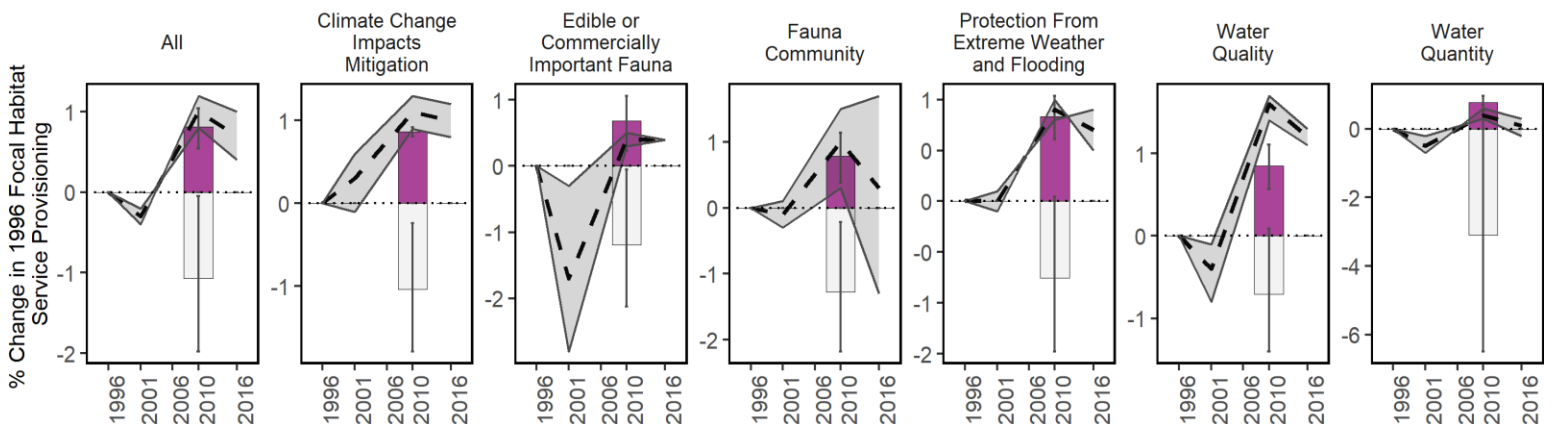
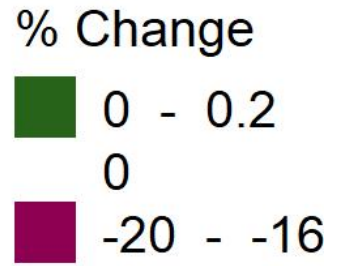
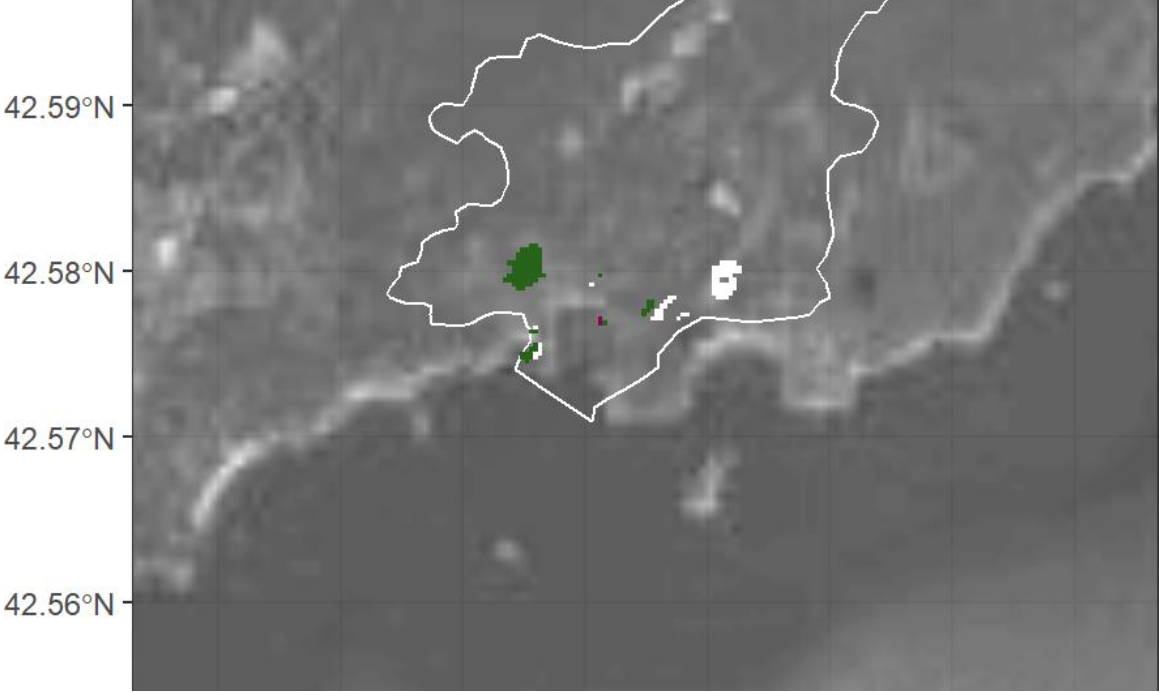


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
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- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



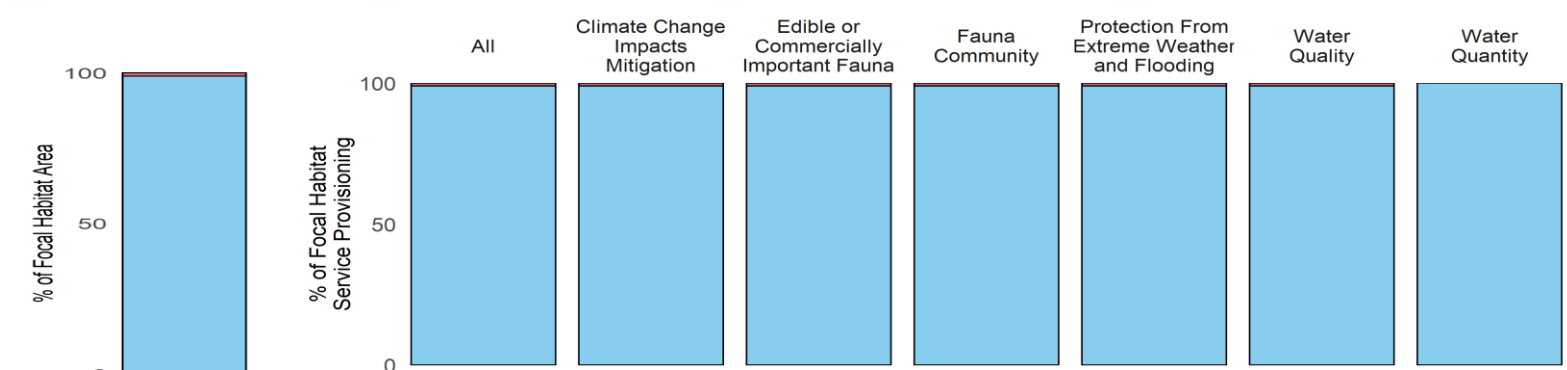
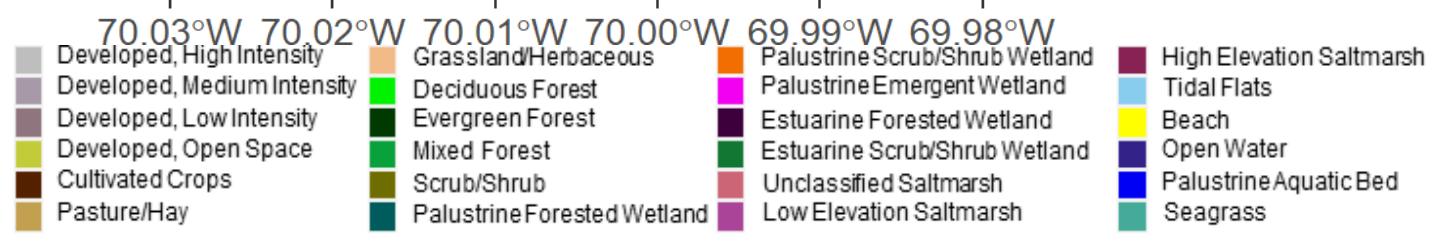
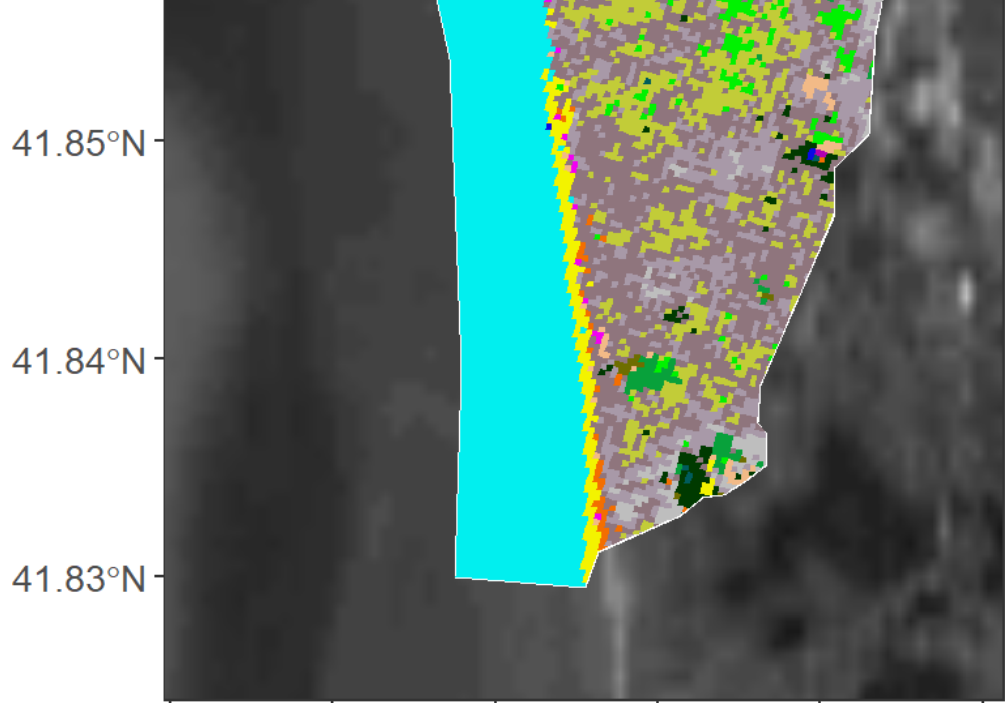
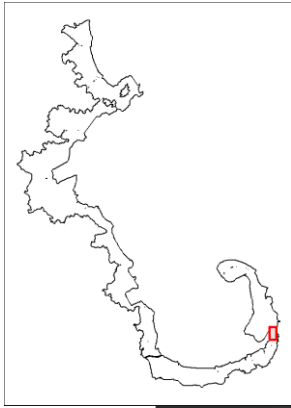
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,120.1	10.5	5.5	1.5	3.4	0	0
Percent Focal	10,687.8	100.0	52.8	14.6	32.6	0	0
Percent All	100.0	0.9	0.5	0.1	0.3	0	0

Kettle Cove - Change 1996-2016



Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	All Others	0.1	0.8	-1.1	0.8

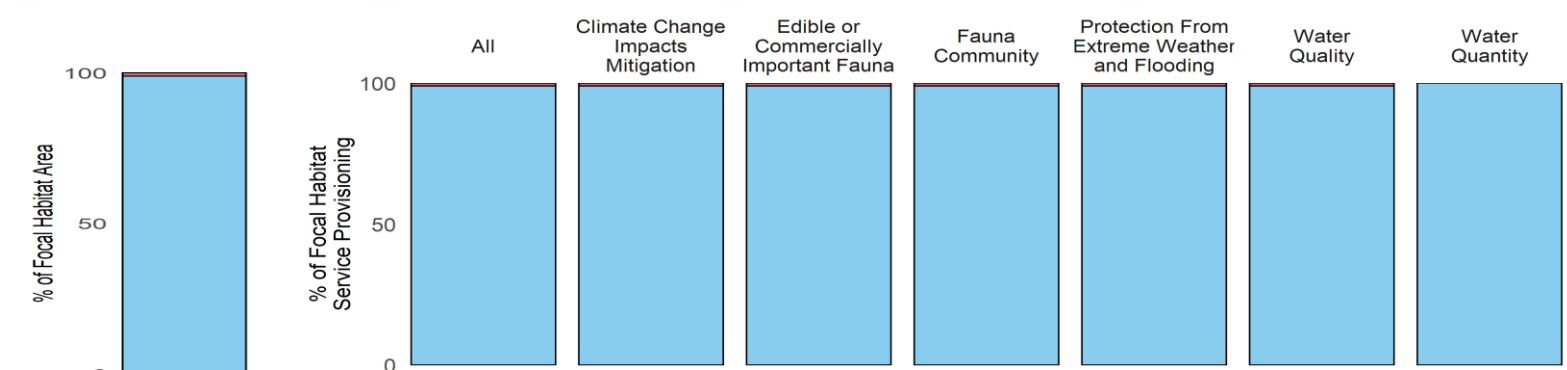
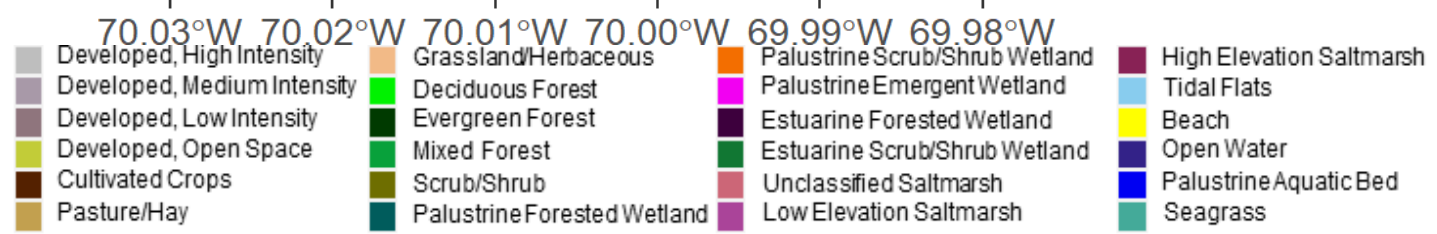
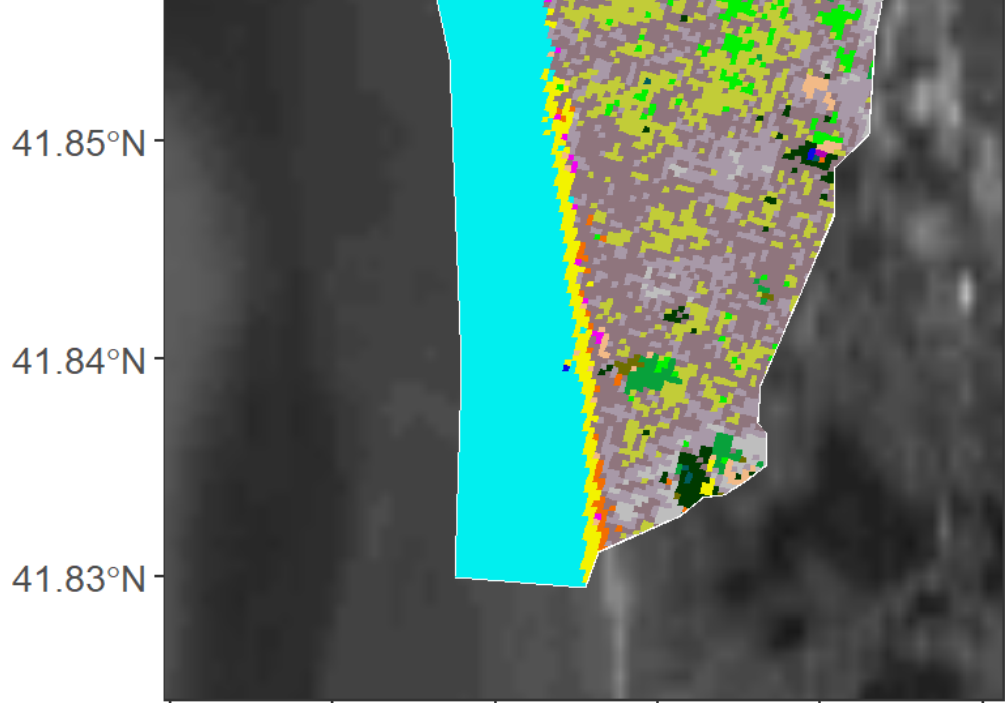
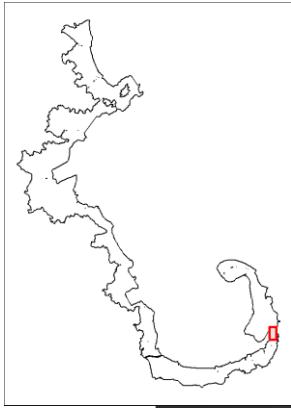
Kingsbury Beach To Cooks Beach - 1996



■ Unclassified Salt Marsh
 ■ Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,500.4	253.1	0	0	2.8	0	250.3
Percent Focal	592.8	100.0	0	0	1.1	0	98.9
Percent All	100.0	16.9	0	0	0.2	0	16.7

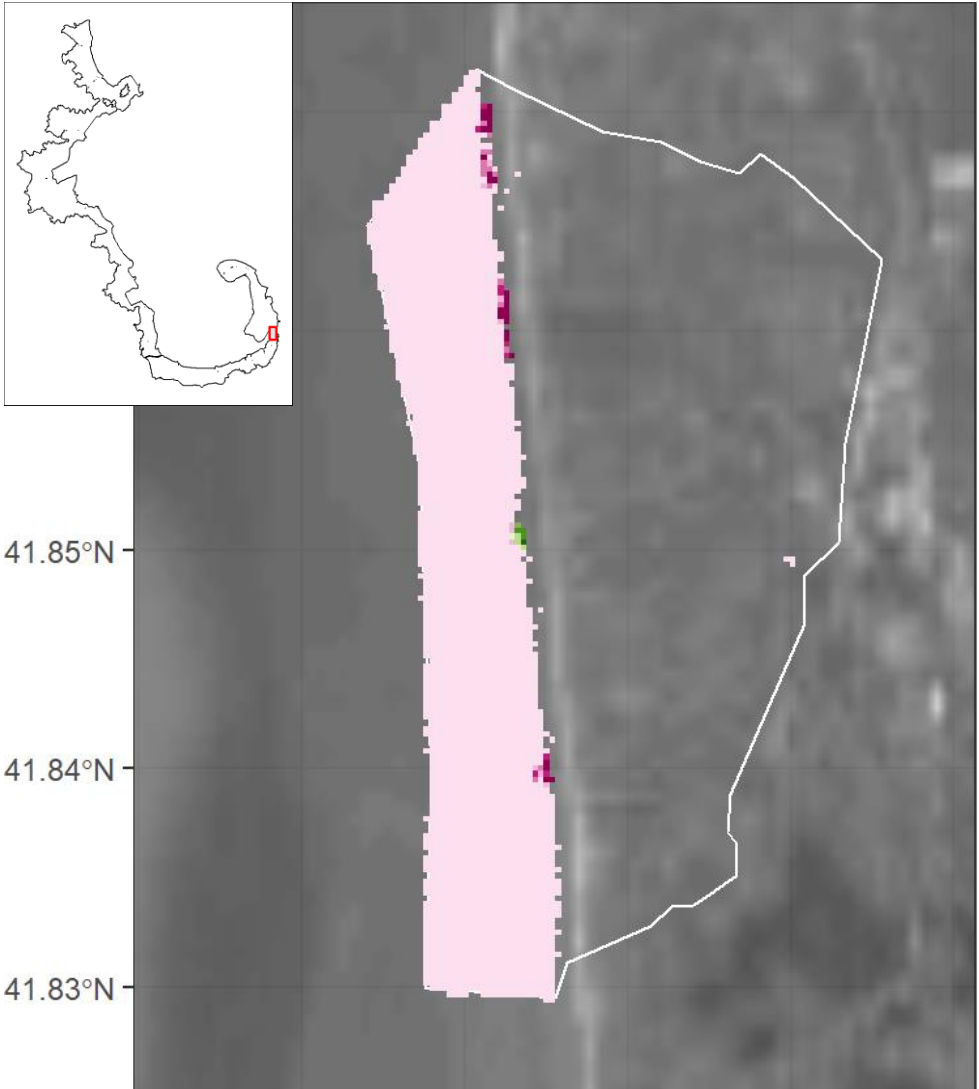
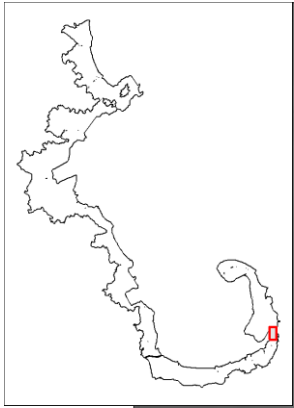
Kingsbury Beach To Cooks Beach - 2016



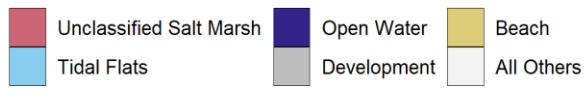
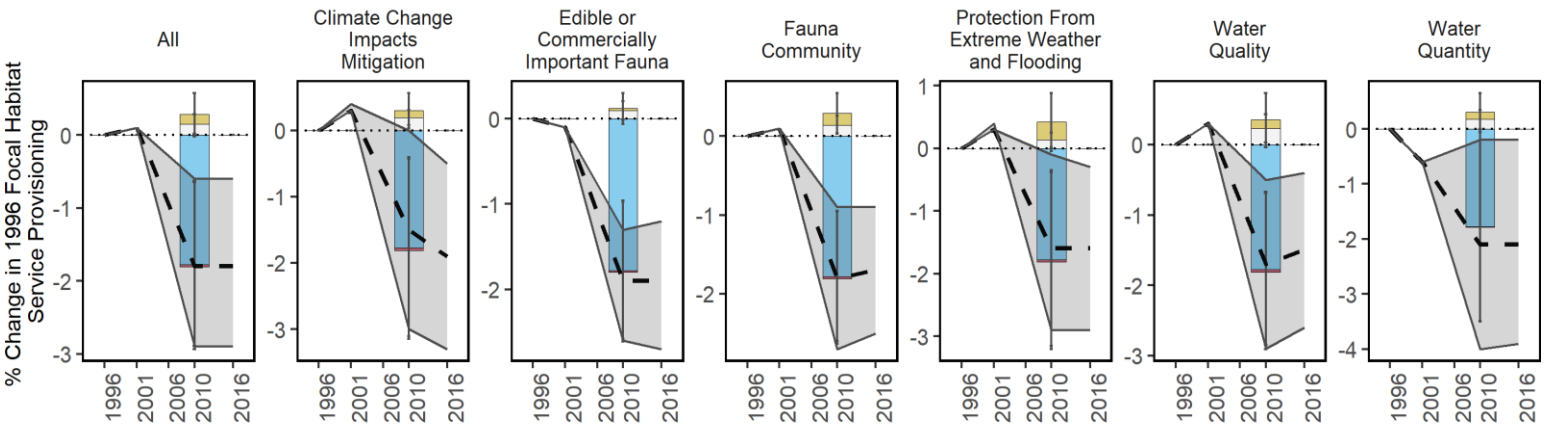
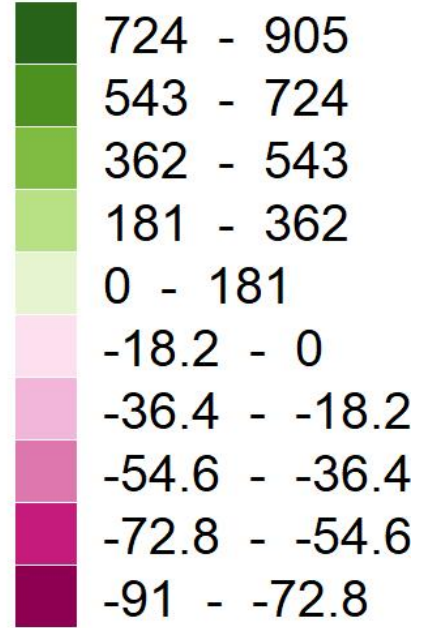
■ Unclassified Salt Marsh
 ■ Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,500.4	250.4	0	0	2.7	0	247.7
Percent Focal	599.2	100.0	0	0	1.1	0	98.9
Percent All	100.0	16.7	0	0	0.2	0	16.5

Kingsbury Beach To Cooks Beach - Change 1996-2016

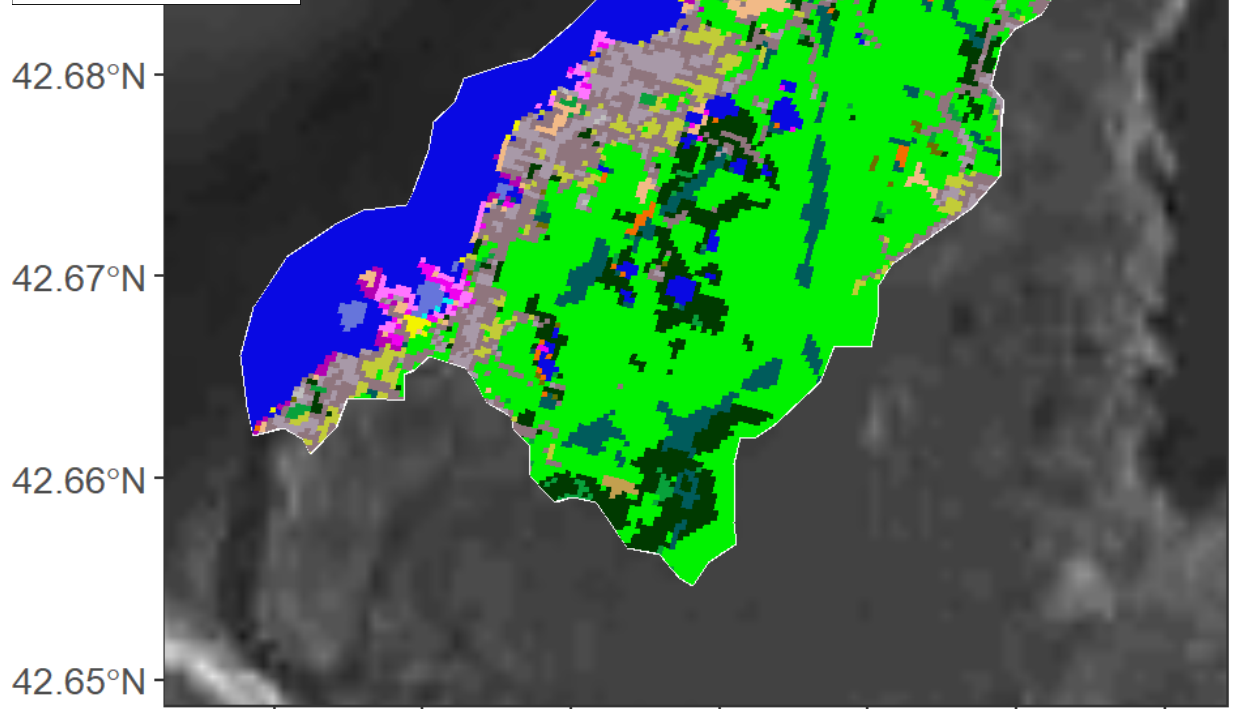


% Change

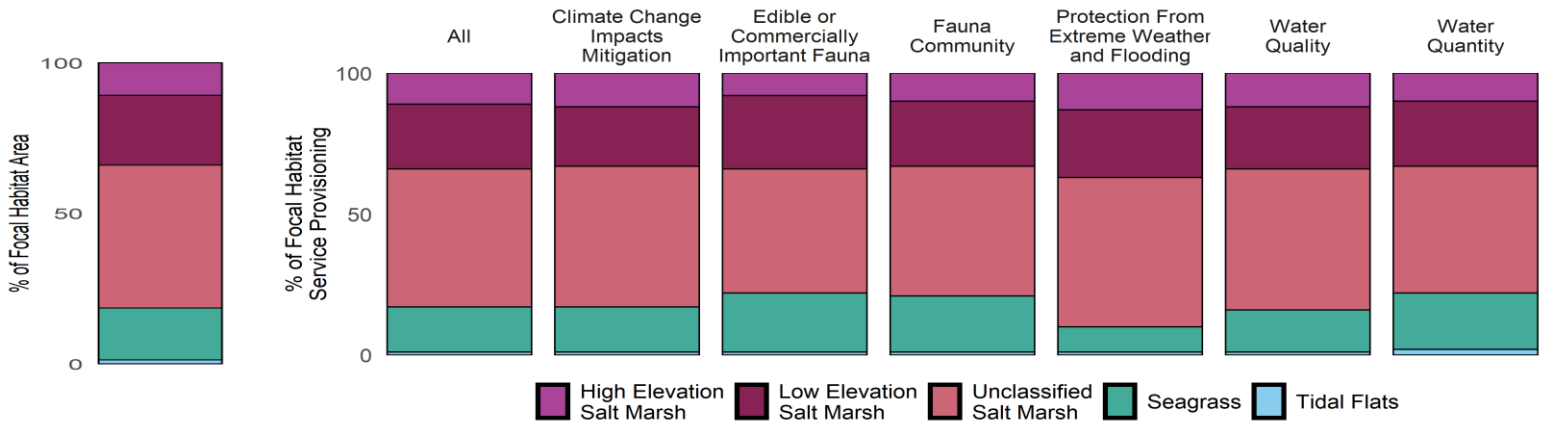


Focal Habitat	Conversion Habitat	Area Converted (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Tidal Flats	Beach	-1.7	-1.2	0.1	-1.2
Tidal Flats	All Others	-0.9	-0.6	0.2	-0.6
Unclassified Salt Marsh	Beach	-0.1	0.0	0.0	0.0

Lanesville Coast / Halibut Point - 1996

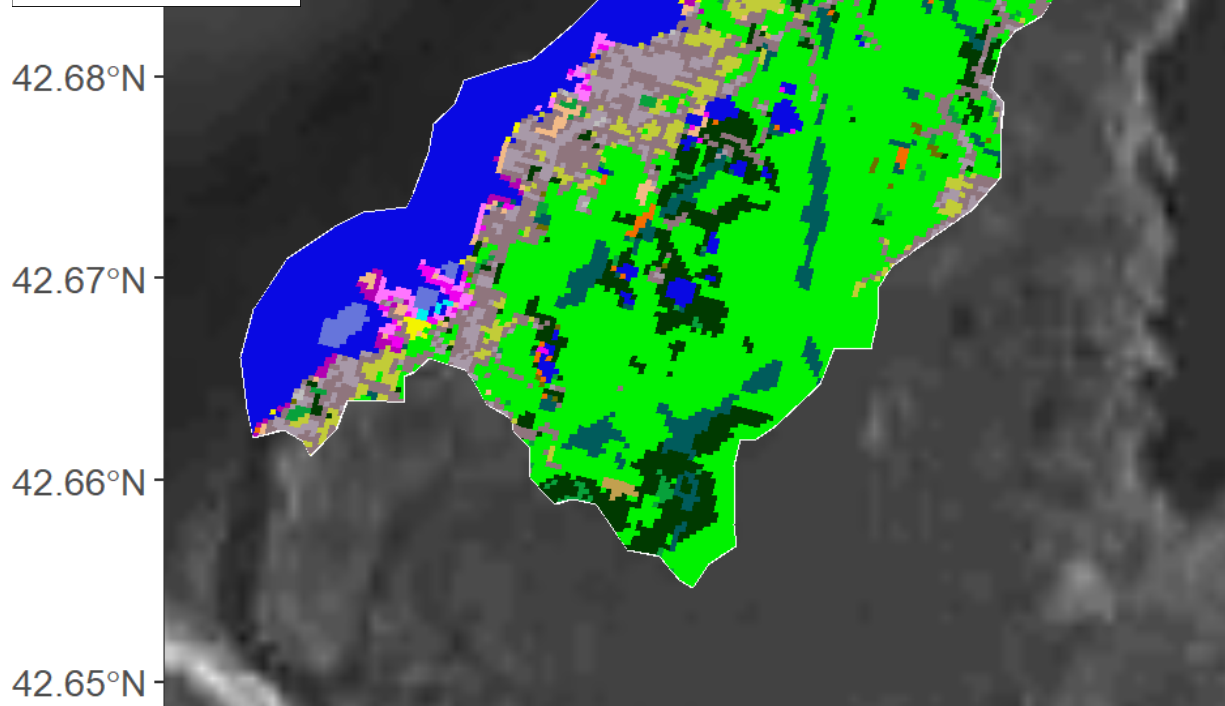


- | | | | |
|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

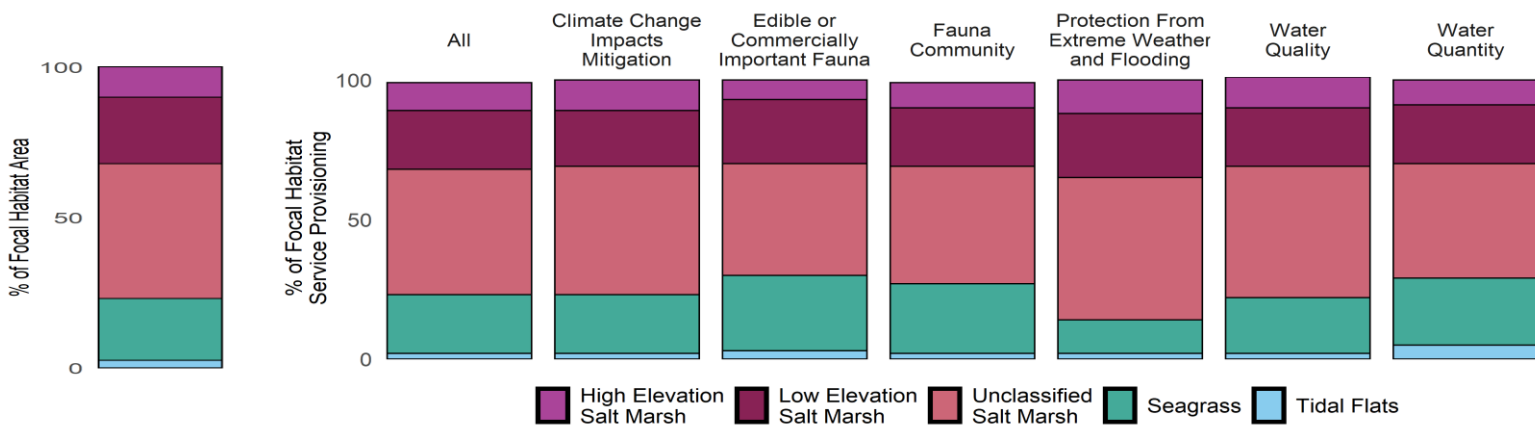


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,782.7	27.5	3.0	6.4	13.0	4.8	0.4
Percent Focal	6,475.6	100.0	10.8	23.2	47.4	17.3	1.3
Percent All	100.0	1.5	0.2	0.4	0.7	0.3	0.0

Lanesville Coast / Halibut Point - 2016

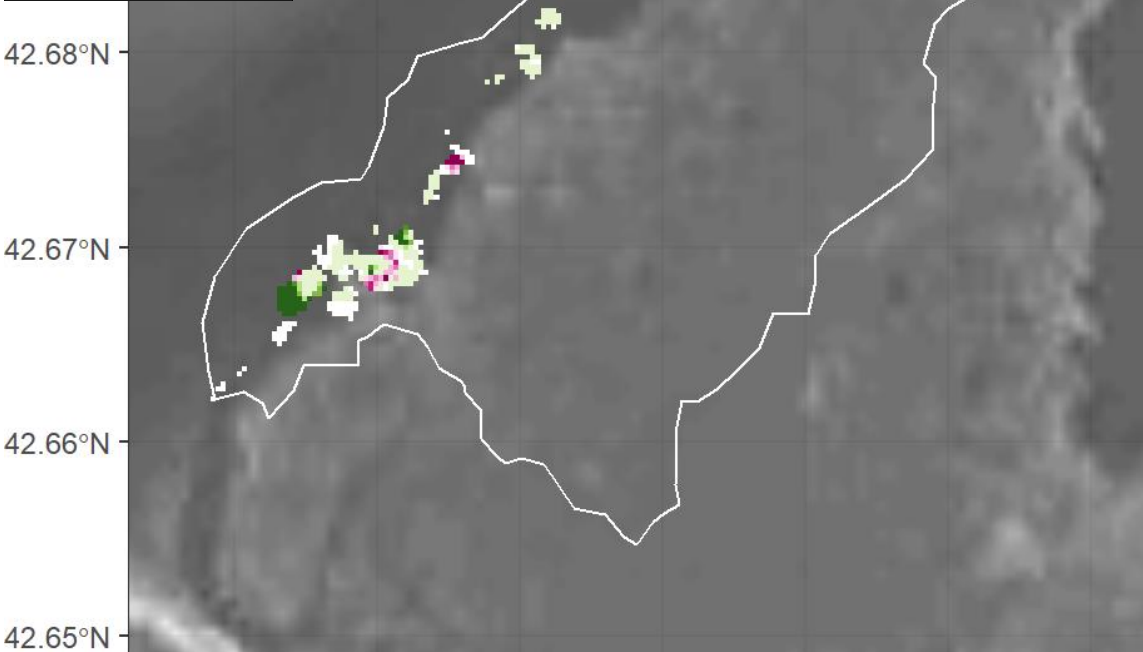


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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

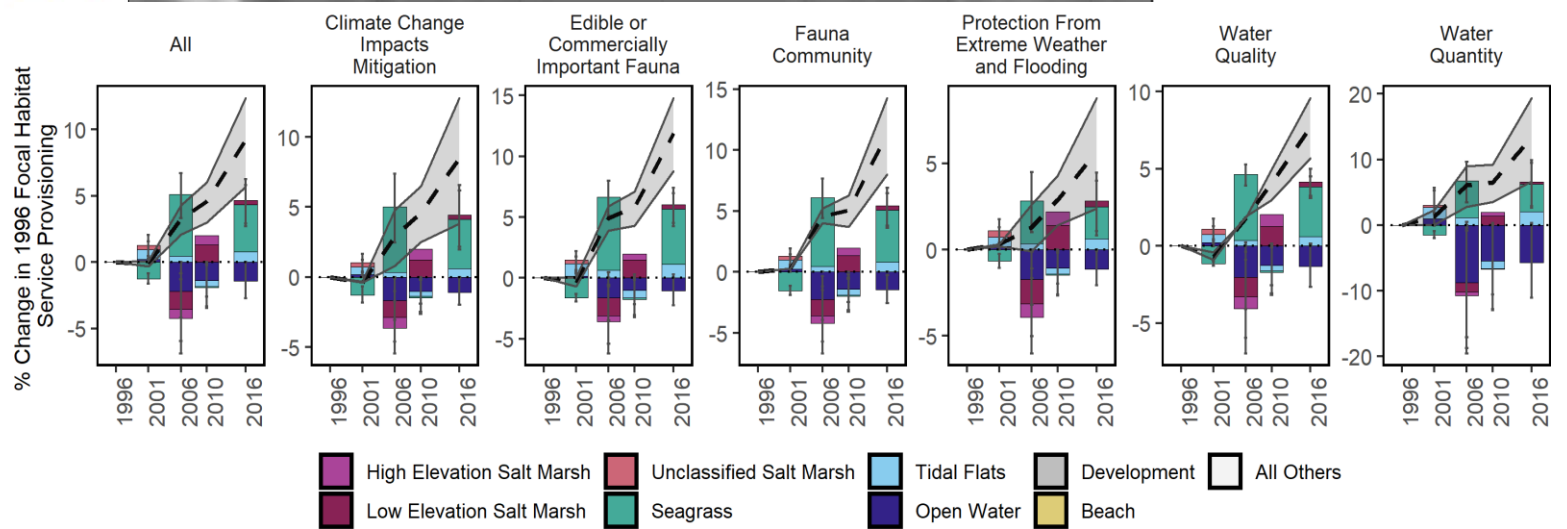
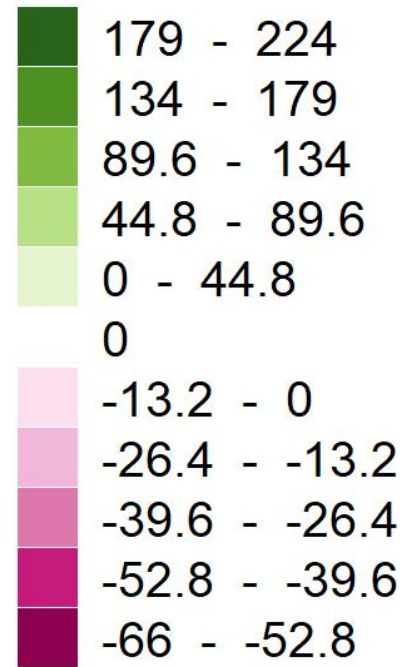


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,782.7	29.3	3.0	6.5	13.1	6.0	0.7
Percent Focal	6,078.2	100.0	10.1	22.1	44.8	20.6	2.5
Percent All	100.0	1.6	0.2	0.4	0.7	0.3	0.0

Lanesville Coast / Halibut Point - Change 1996-2016



% Change

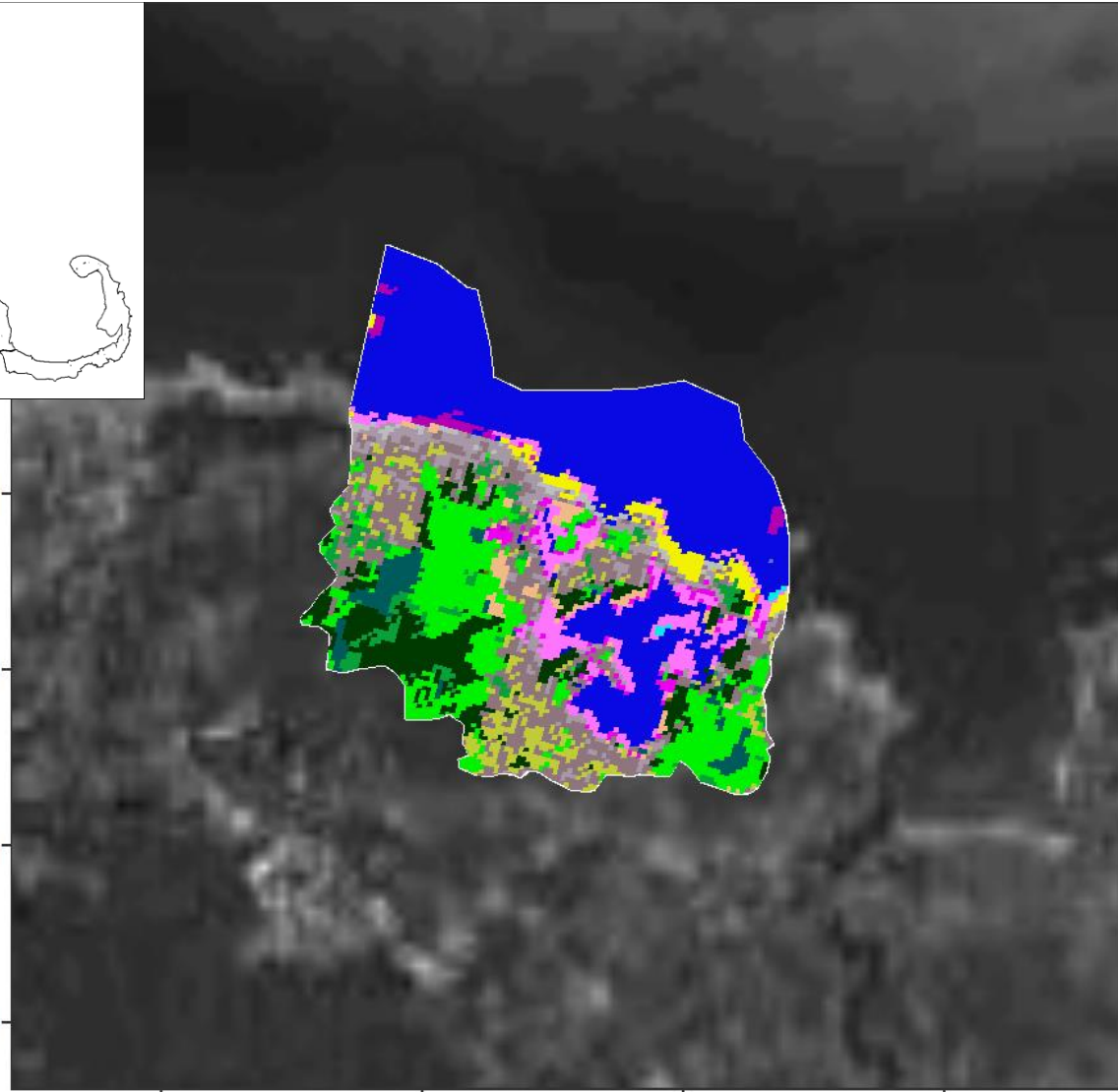


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Tidal Flats	-0.4	-2.9	1.5	-1.4
Seagrass	Unclassified Salt Marsh	-0.1	-0.7	0.3	-0.4
Seagrass	Low Elev. Salt Marsh	-0.1	-0.7	0.3	-0.4
Seagrass	Open Water	1.8	11.2	-4.7	11.2

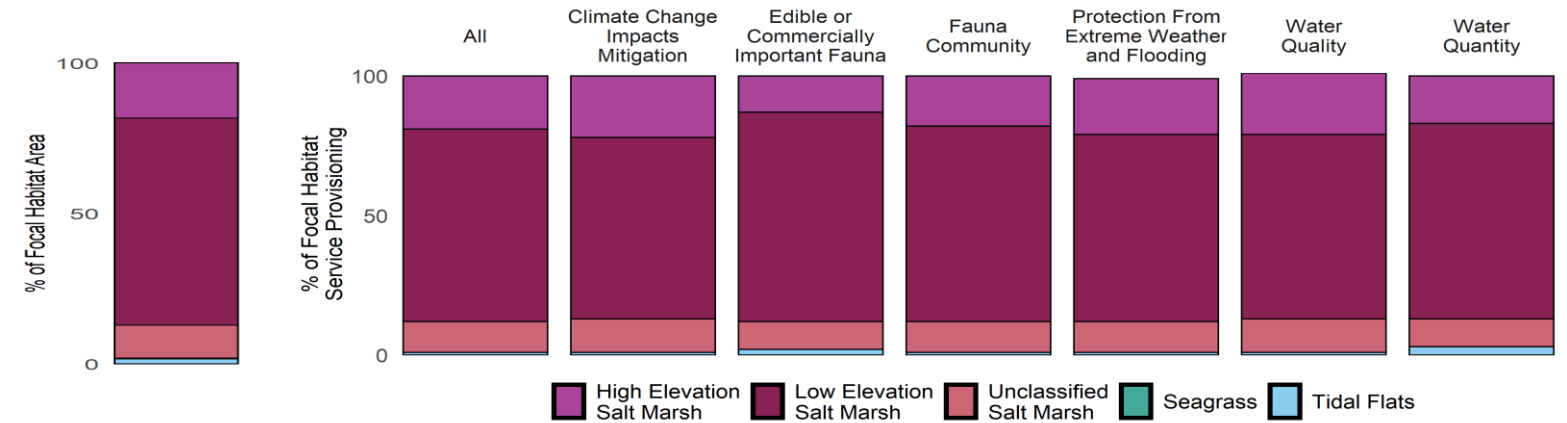
Little Harbor - 1996



42.26°N
42.25°N
42.24°N
42.23°N



- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Estuarine Forested Wetland
- Beach
- Evergreen Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Mixed Forest
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Cultivated Crops
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass
- Pasture/Hay
- Scrub/Shrub

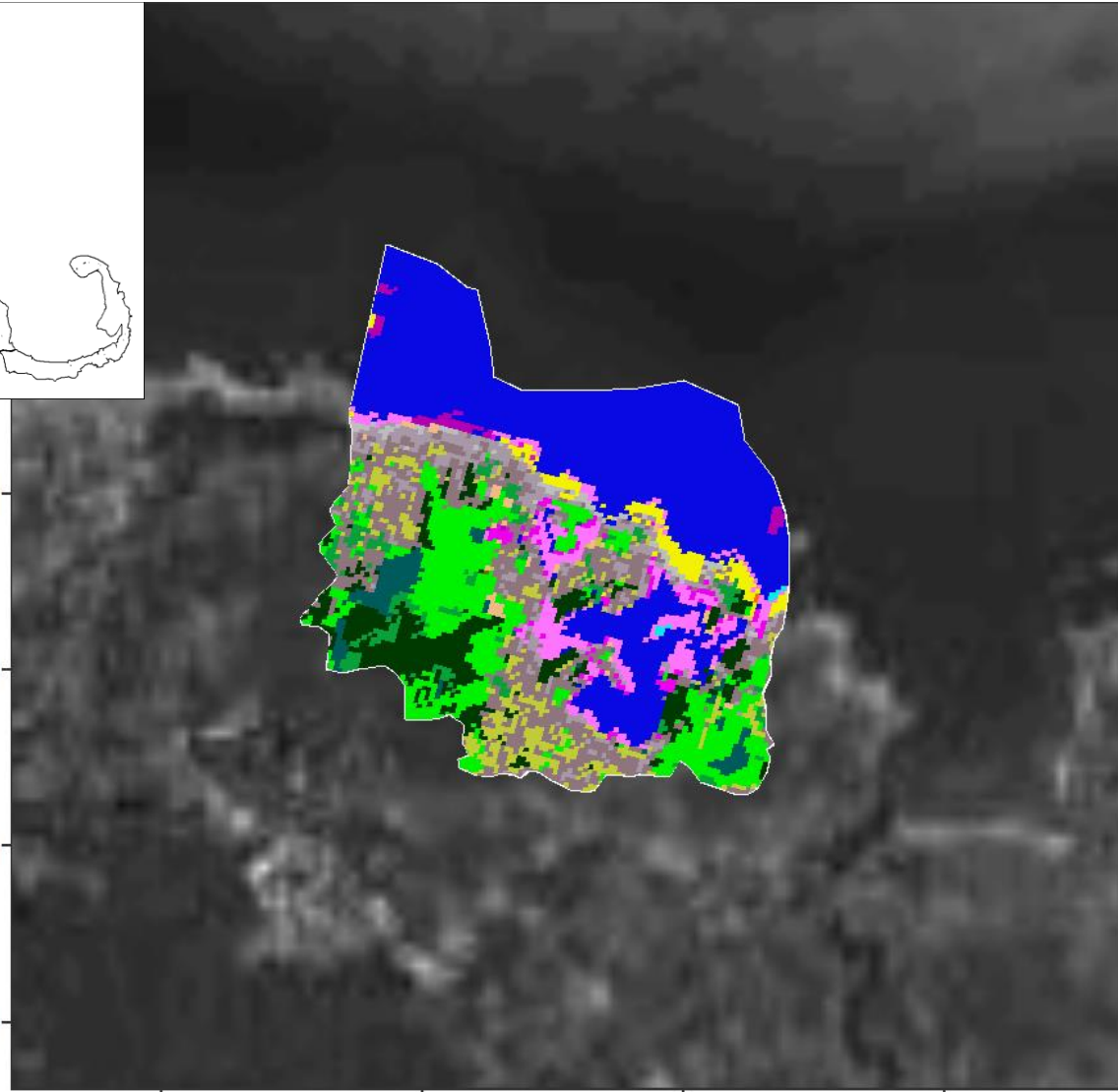


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,259.5	53.9	9.9	37.1	5.9	0.1	0.9
Percent Focal	2,335.4	100.0	18.4	68.8	11.0	0.2	1.7
Percent All	100.0	4.3	0.8	2.9	0.5	0.0	0.1

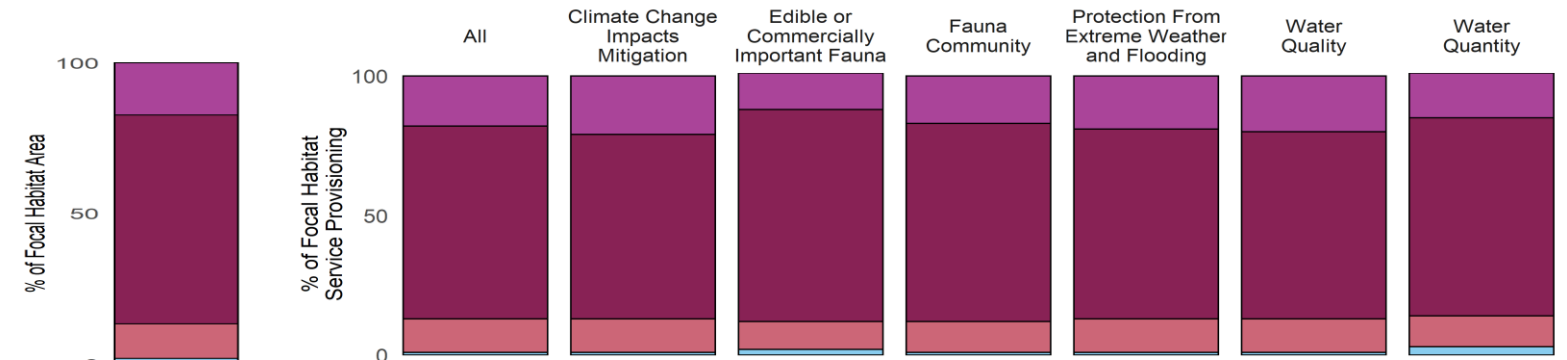
Little Harbor - 2016



42.26°N
42.25°N
42.24°N
42.23°N

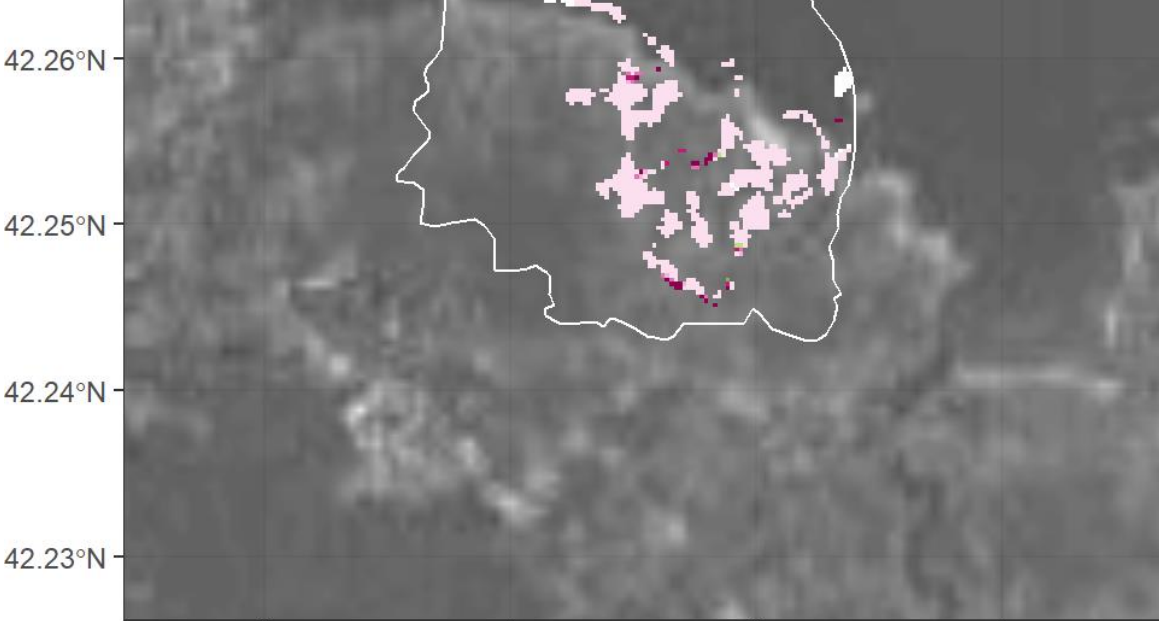
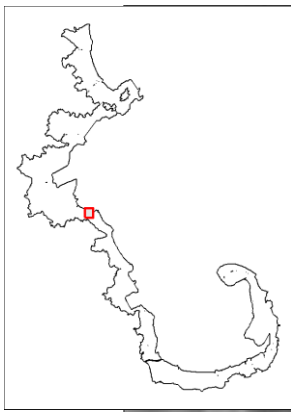


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
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- Tidal Flats
- Developed, Low Intensity
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Beach
- Developed, Open Space
- Scrub/Shrub
- Palustrine Forested Wetland
- Unclassified Saltmarsh
- Open Water
- Cultivated Crops
- Low Elevation Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Seagrass

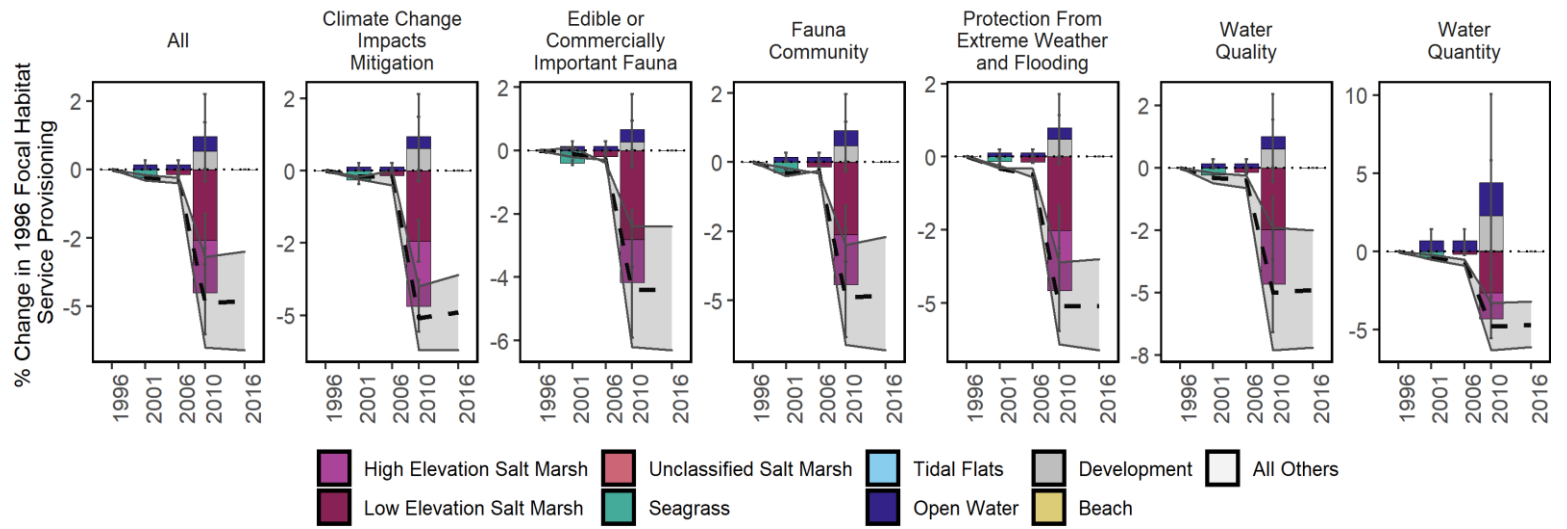
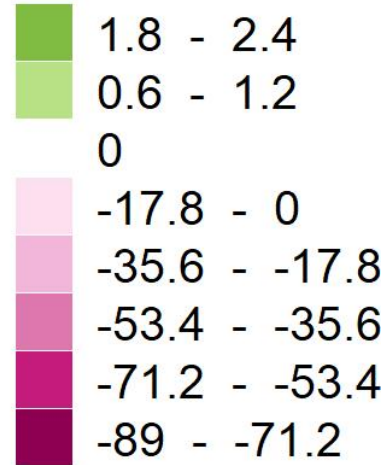


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,259.5	51.4	8.9	35.7	5.9	0	0.9
Percent Focal	2,449.9	100.0	17.3	69.4	11.5	0	1.8
Percent All	100.0	4.1	0.7	2.8	0.5	0	0.1

Little Harbor - Change 1996-2016



% Change

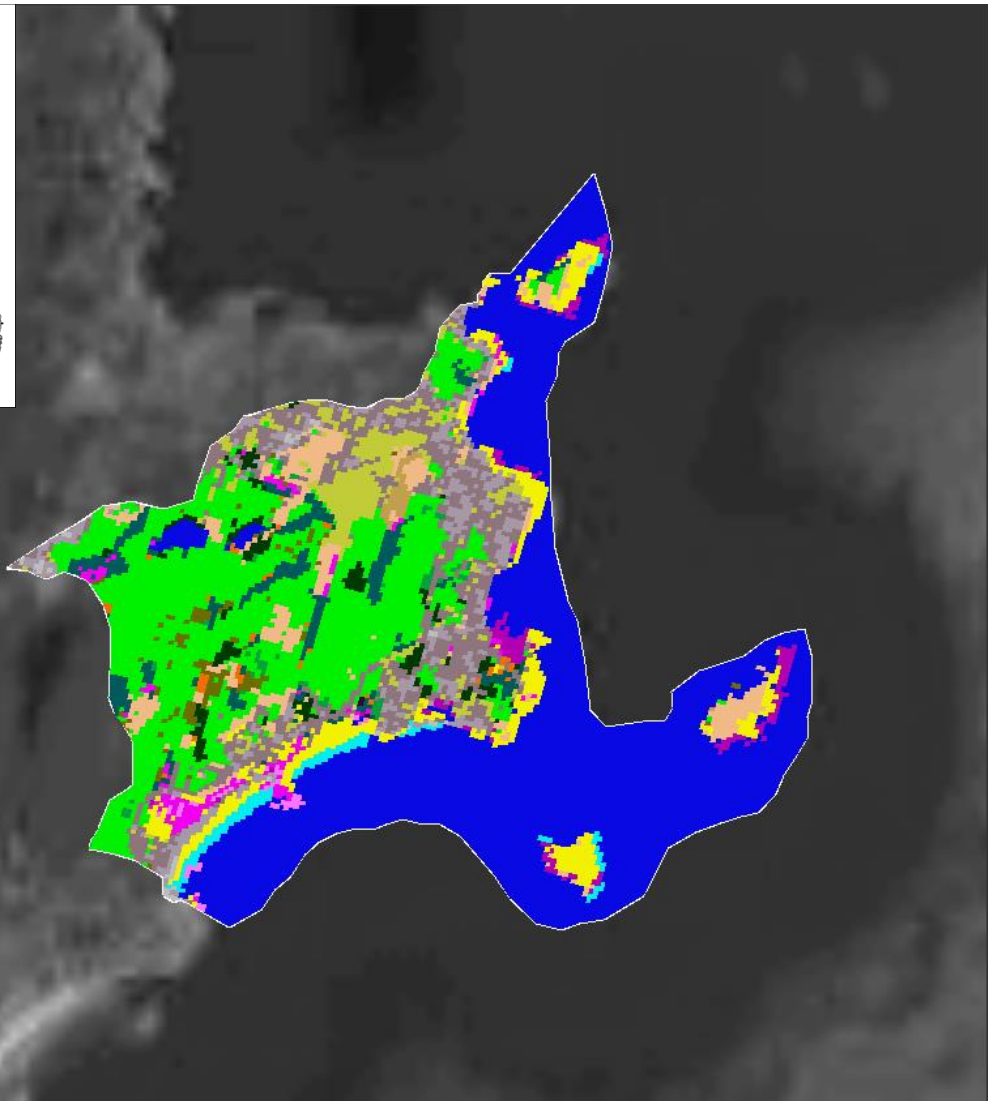


Focal Habitat	Conversion Habitat	Area Converted (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Low Elev. Salt Marsh	Development	-1.1	-2.1	0.4	-2.1
High Elev. Salt Marsh	Development	-0.8	-1.6	0.3	-1.6
Low Elev. Salt Marsh	Open Water	-0.4	-0.7	0.6	-0.7
High Elev. Salt Marsh	Beach	-0.1	-0.2	0.0	-0.2
High Elev. Salt Marsh	Open Water	-0.1	-0.2	0.1	-0.2
Seagrass	Open Water	-0.1	-0.3	0.1	-0.3

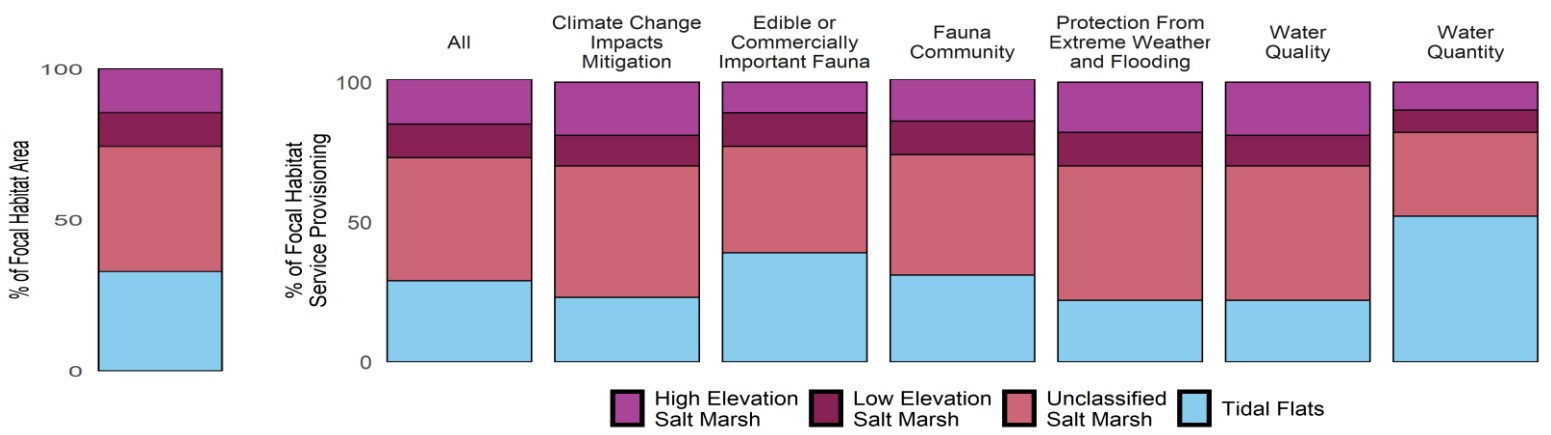
Long Beach - 1996



42.65°N
42.64°N
42.63°N
42.62°N



- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
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- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

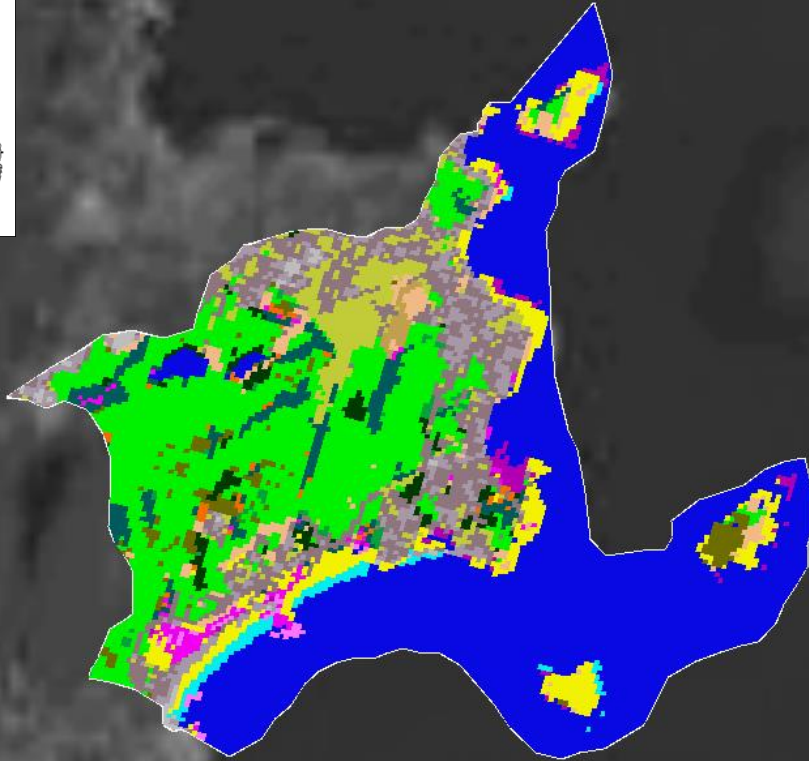


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,899.8	37.2	5.4	4.2	15.4	0	12.2
Percent Focal	5,109.8	100.0	14.5	11.2	41.4	0	32.9
Percent All	100.0	2.0	0.3	0.2	0.8	0	0.6

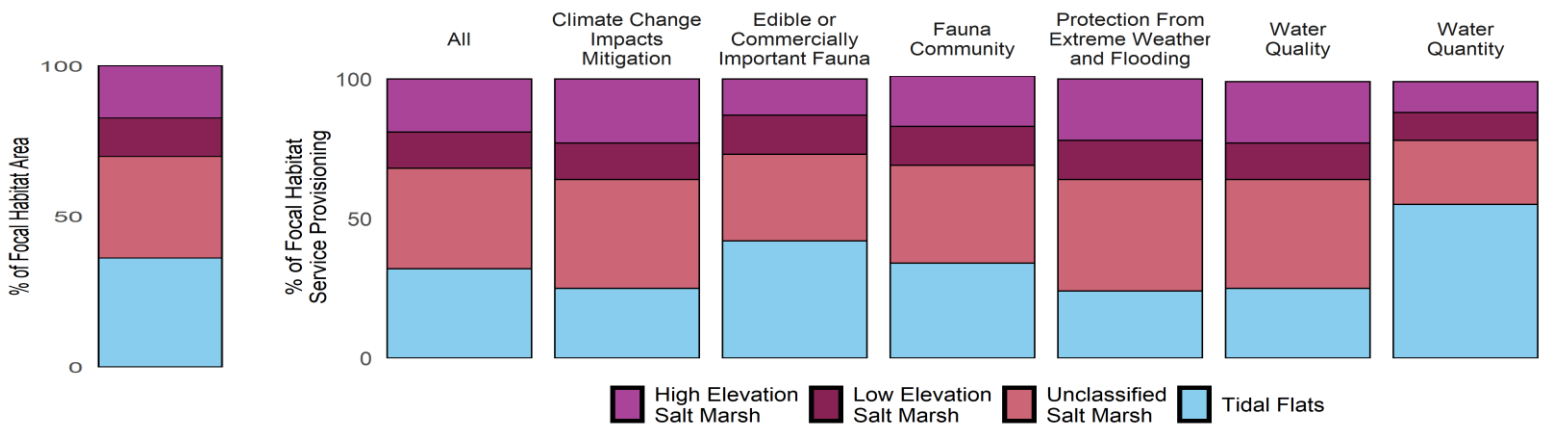
Long Beach - 2016



42.65°N
42.64°N
42.63°N
42.62°N



- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
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- Developed, Medium Intensity
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- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

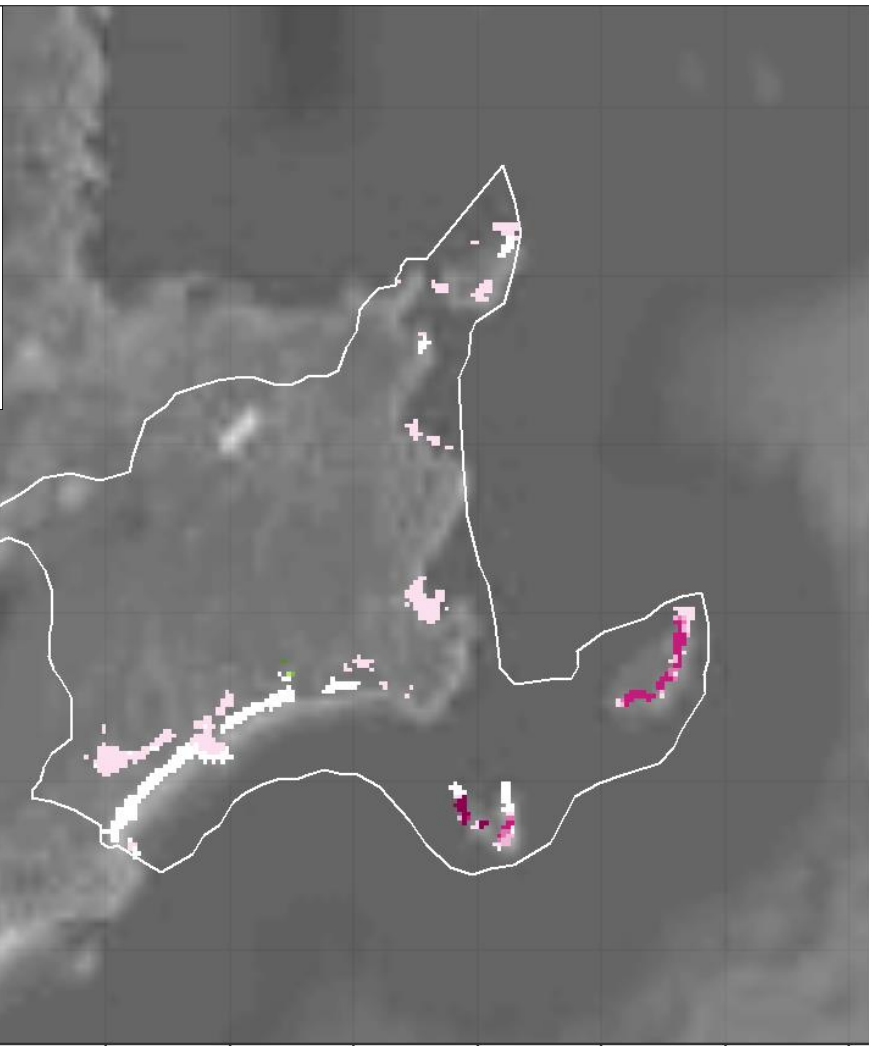


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,899.8	32.3	5.6	4.2	10.9	0	11.7
Percent Focal	5,878.1	100.0	17.3	12.8	33.7	0	36.2
Percent All	100.0	1.7	0.3	0.2	0.6	0	0.6

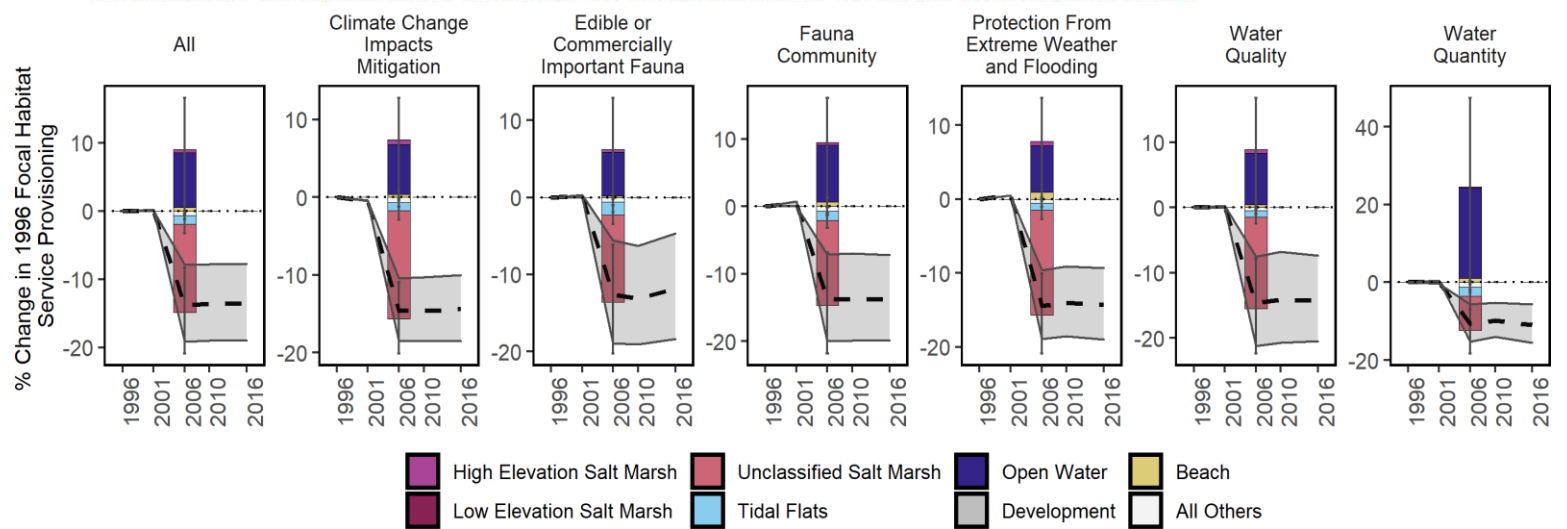
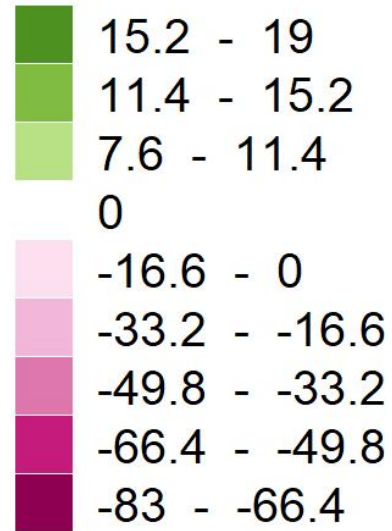
Long Beach - Change 1996-2016



42.65°N
42.64°N
42.63°N
42.62°N



% Change

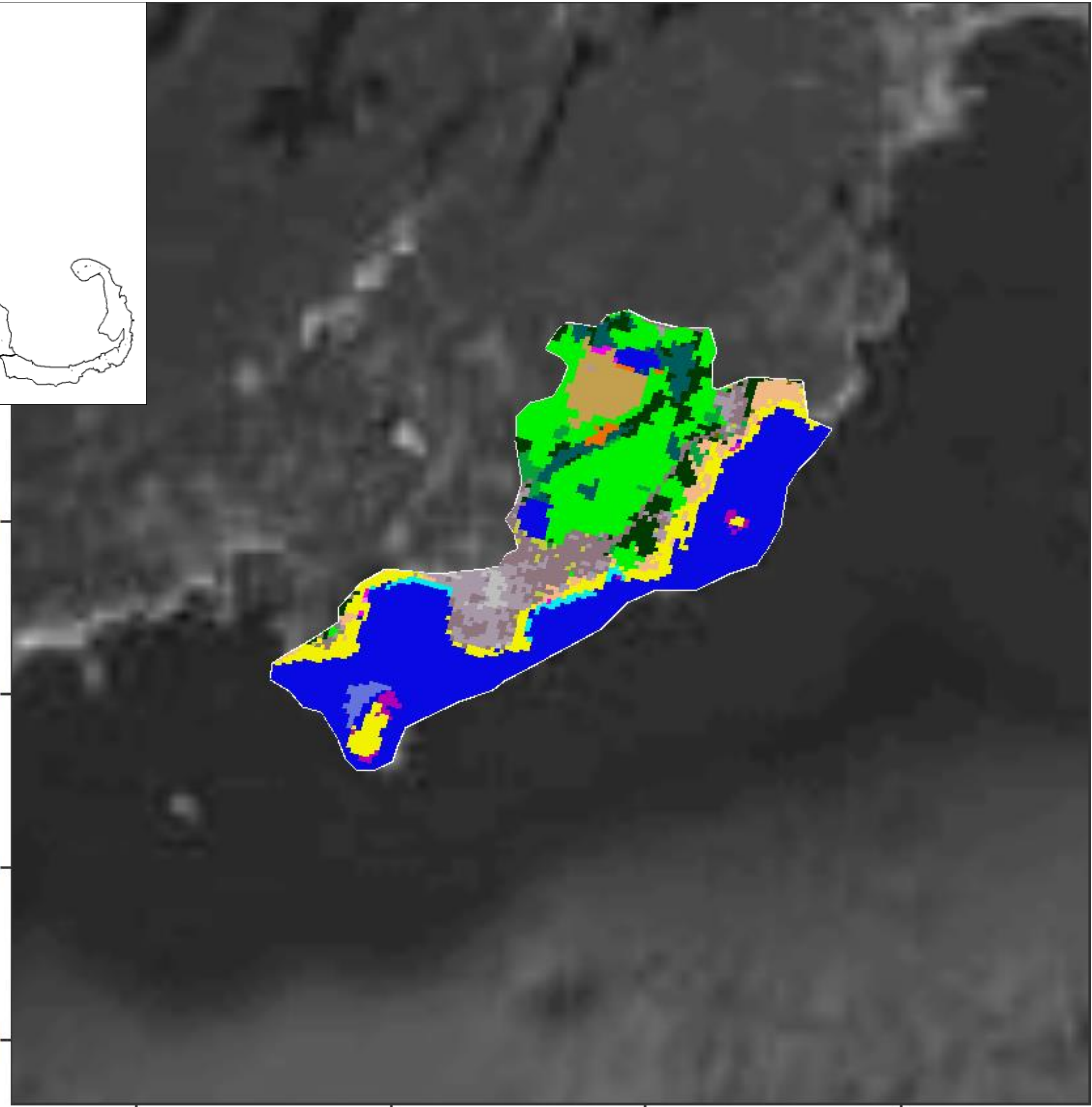


Focal Habitat	Conversion Habitat	Area Converted (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Open Water	-3.8	-10.8	7.0	-10.8
Unclassified Salt Marsh	Beach	-0.8	-2.3	0.5	-2.3
Tidal Flats	Open Water	-0.5	-1.3	1.0	-1.3
Unclassified Salt Marsh	All Others	0.1	0.3	-0.2	0.3
High Elev. Salt Marsh	All Others	0.2	0.5	-0.4	0.5

Magnolia Coast - 1996

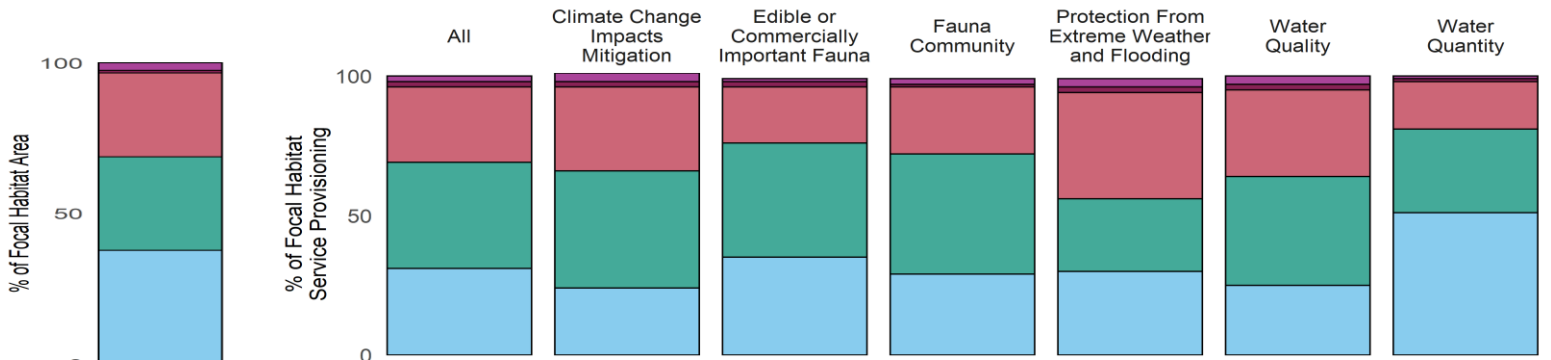


42.58°N
42.57°N
42.56°N
42.55°N



70.74°W 70.72°W 70.70°W 70.68°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
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- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



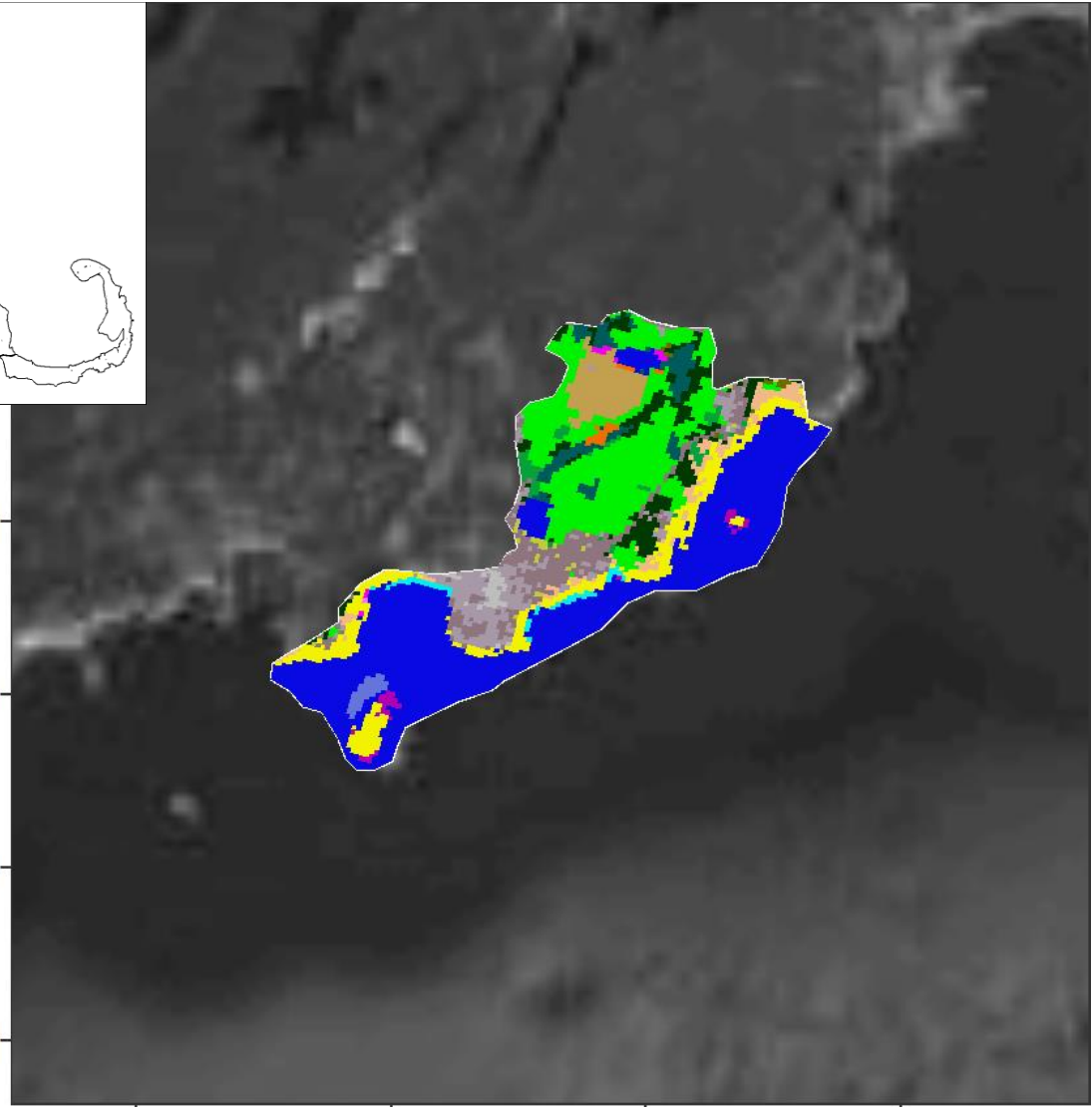
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh
- Seagrass
- Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	769.9	11.0	0.3	0.1	3.1	3.4	4.1
Percent Focal	7,012.1	100.0	2.5	0.8	27.9	31.1	37.7
Percent All	100.0	1.4	0.0	0.0	0.4	0.4	0.5

Magnolia Coast - 2016

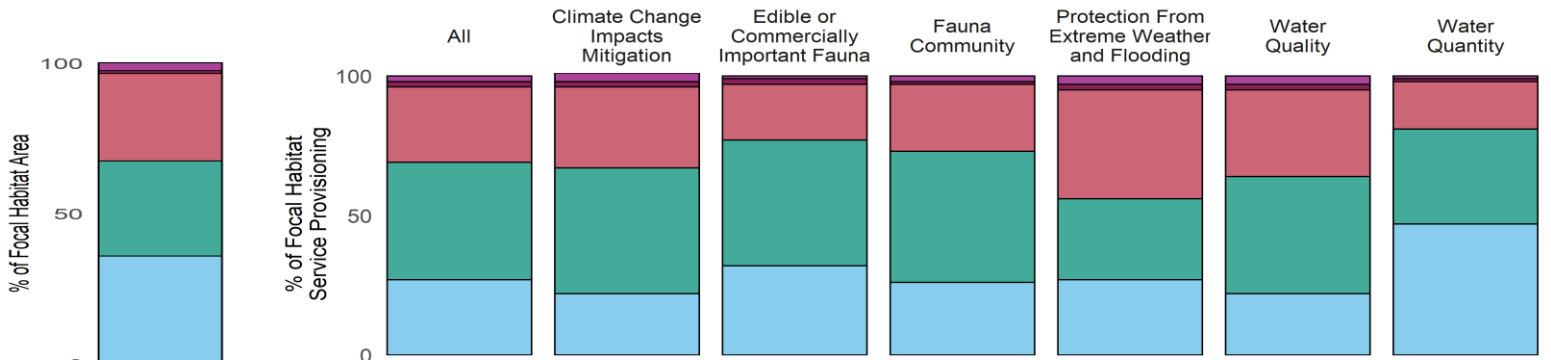


42.58°N
42.57°N
42.56°N
42.55°N



70.74°W 70.72°W 70.70°W 70.68°W

- Developed, High Intensity
- Grassland/Herbaceous
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- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

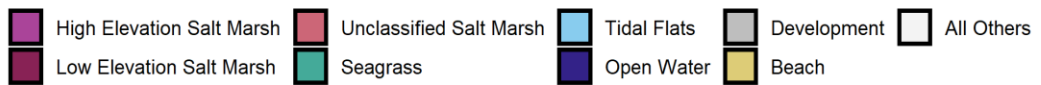
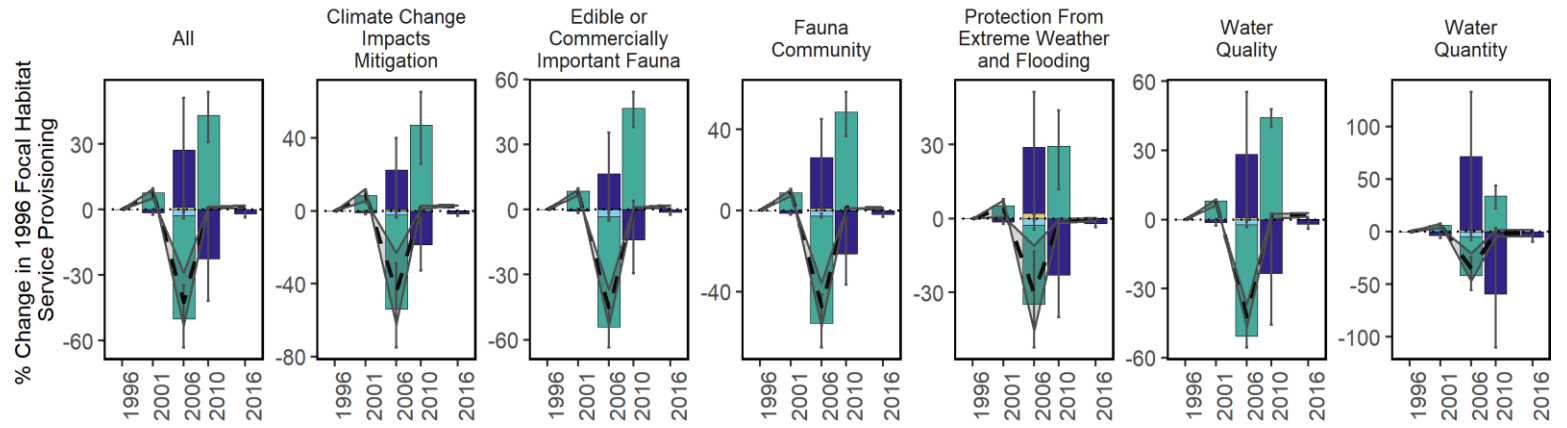
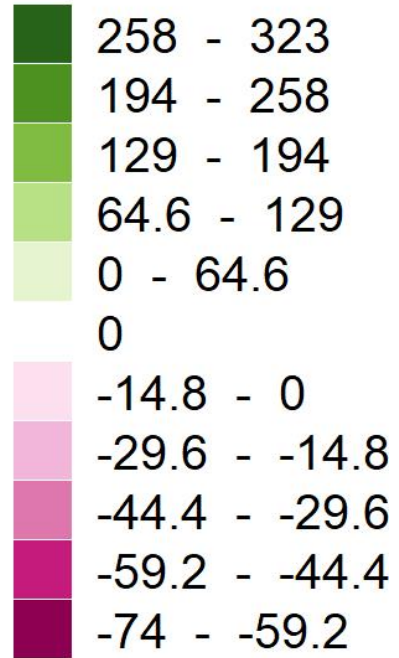


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	769.9	10.5	0.3	0.1	3.1	3.3	3.8
Percent Focal	7,311.7	100.0	2.6	0.9	29.1	31.6	35.9
Percent All	100.0	1.4	0.0	0.0	0.4	0.4	0.5

Magnolia Coast - Change 1996-2016



% Change

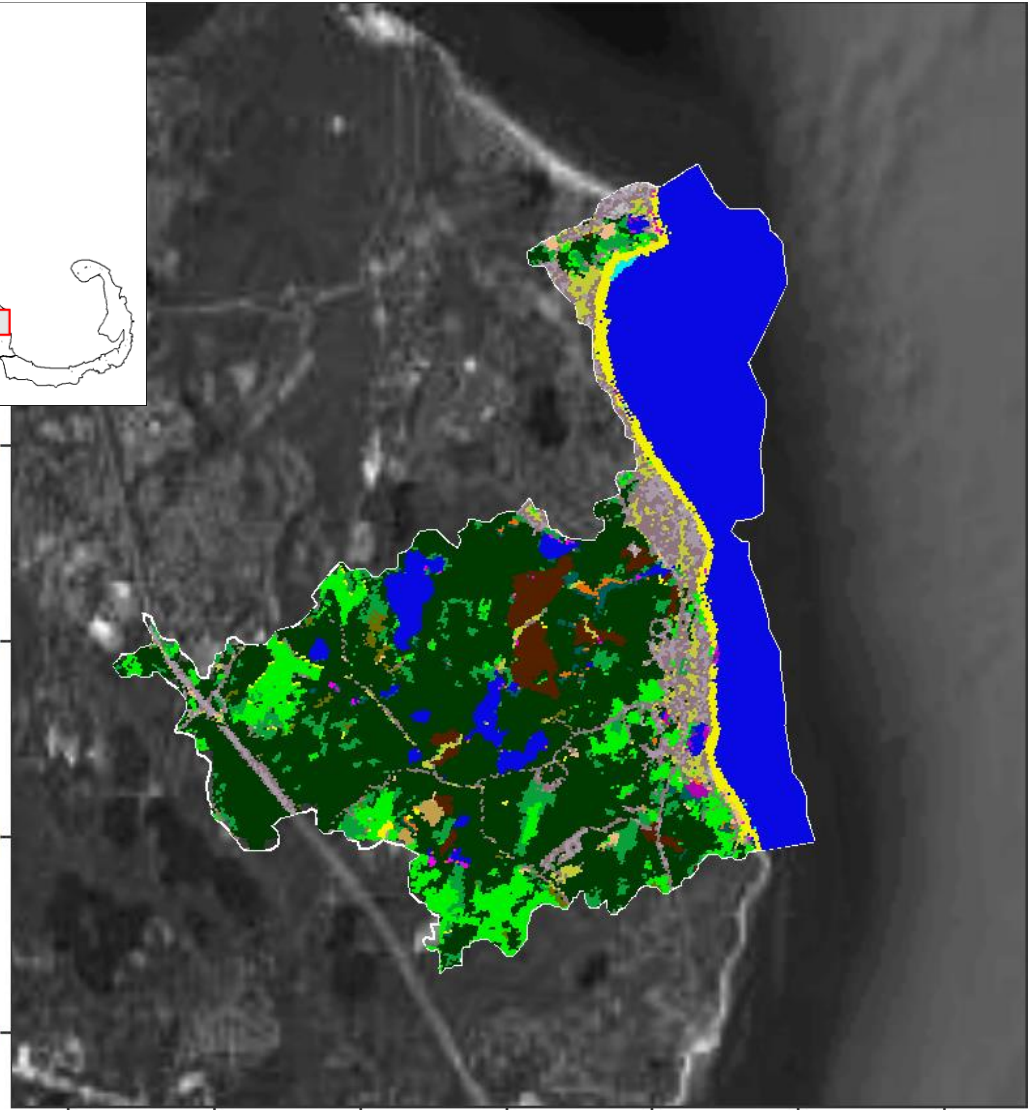


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Tidal Flats	Beach	-0.4	-2.8	1.0	-2.8
Seagrass	Open Water	-0.1	4.0	0.7	4.0

Manamoet / Indian Brook - 1996

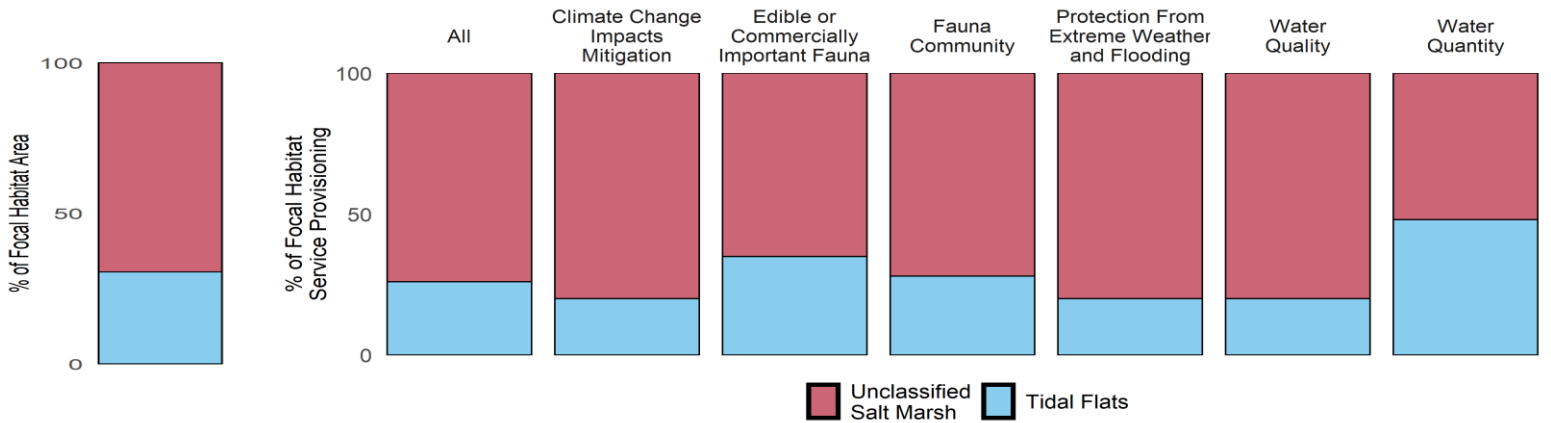


41.90°N
41.88°N
41.86°N
41.84°N



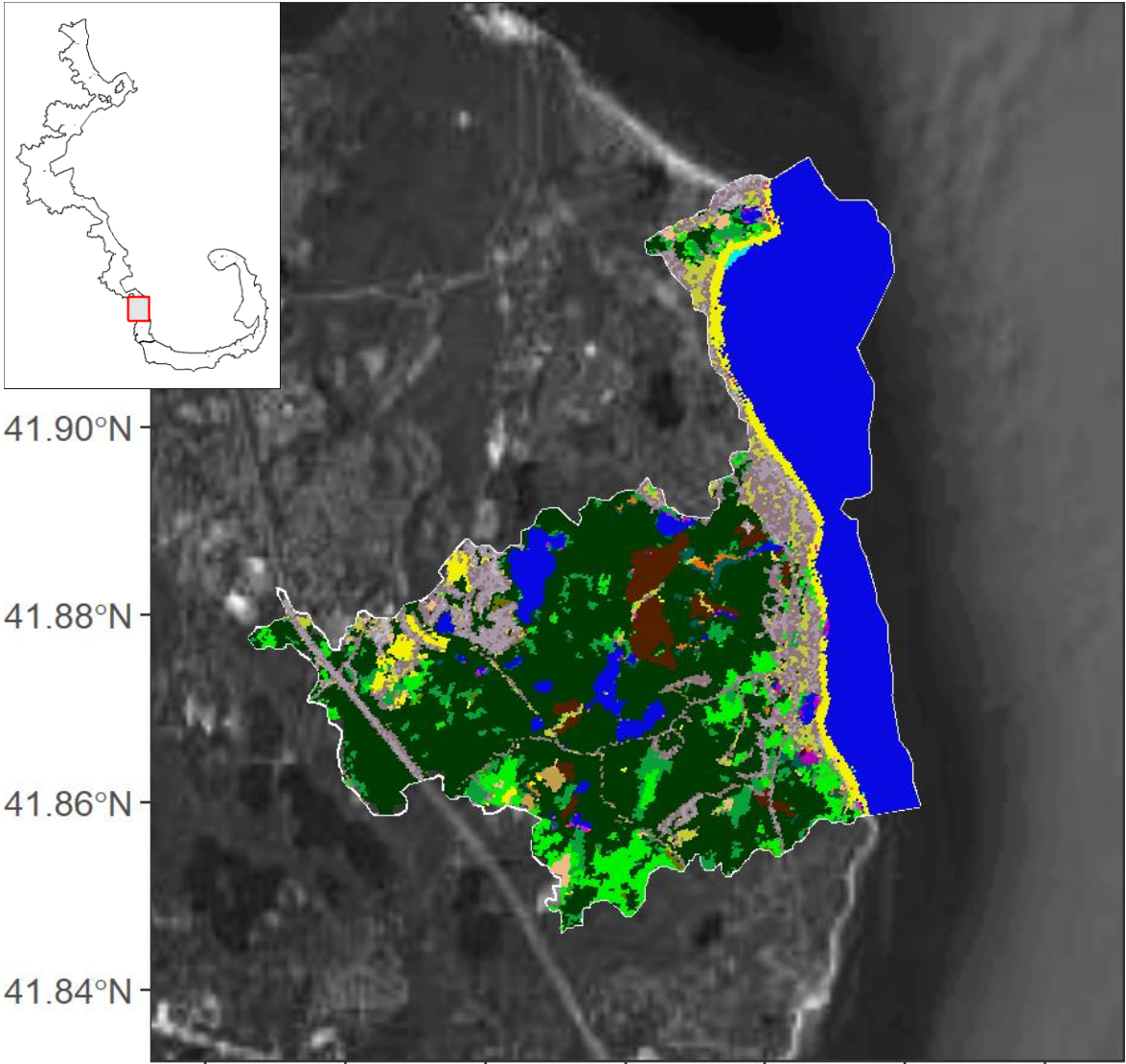
70.62°W 70.60°W 70.58°W 70.56°W 70.54°W 70.52°W 70.50°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
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- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

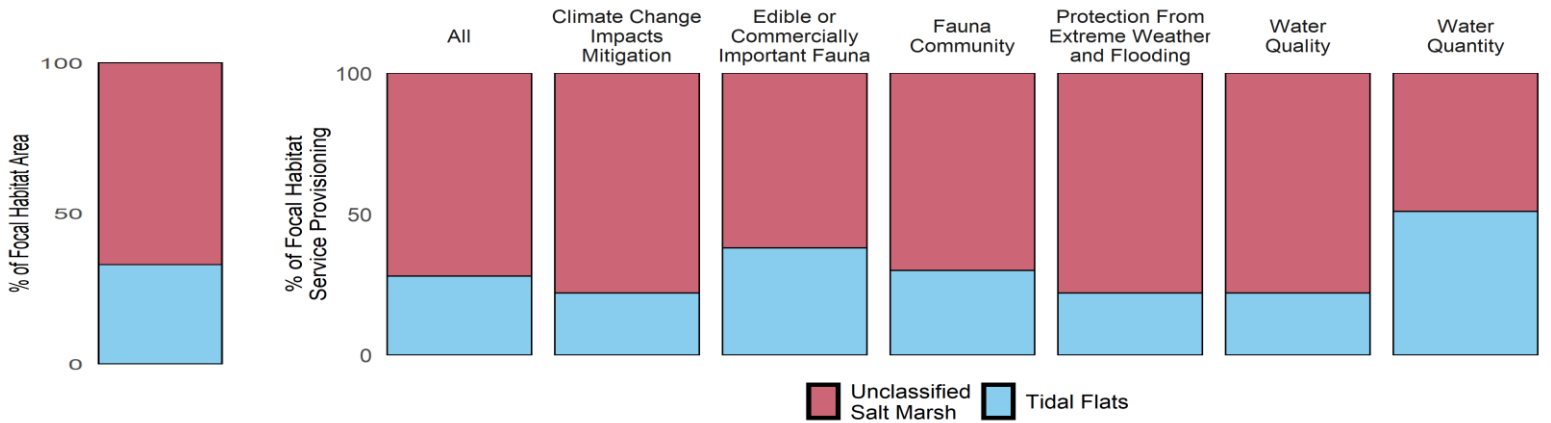


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,750.3	10.0	0	0	6.9	0	3.1
Percent Focal	57,561.0	100.0	0	0	69.4	0	30.6
Percent All	100.0	0.2	0	0	0.1	0	0.1

Manamoet / Indian Brook - 2016

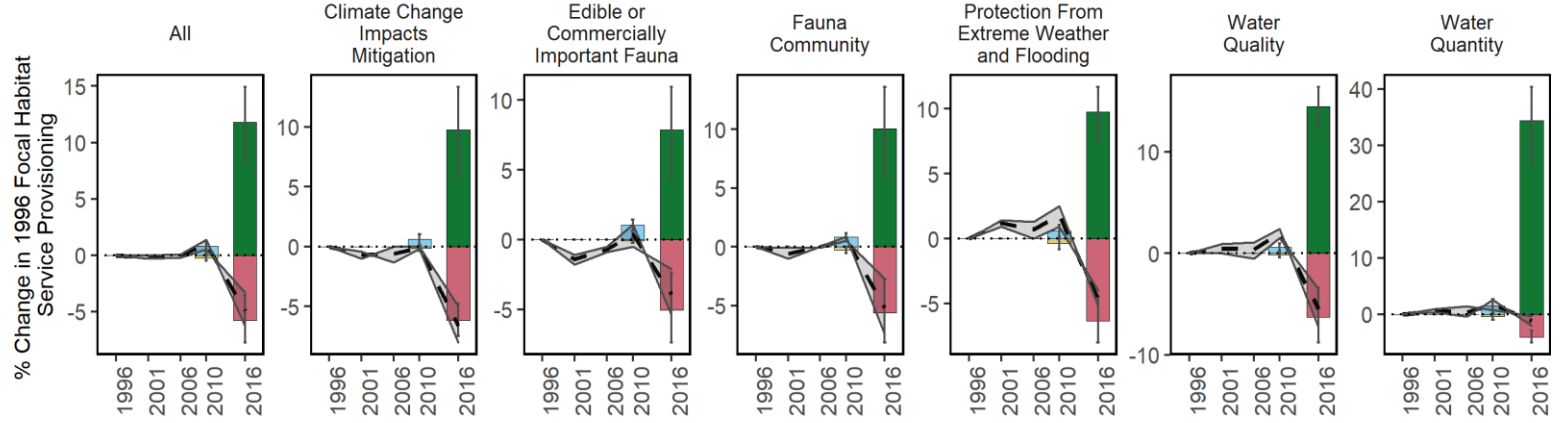
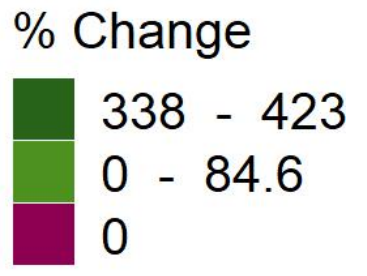
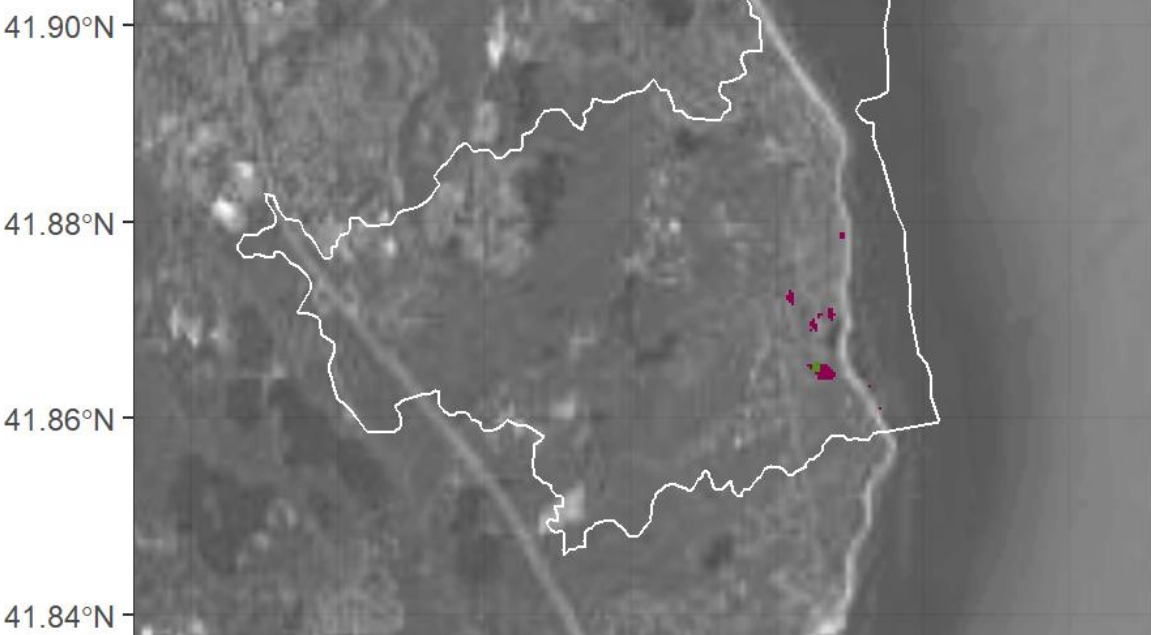
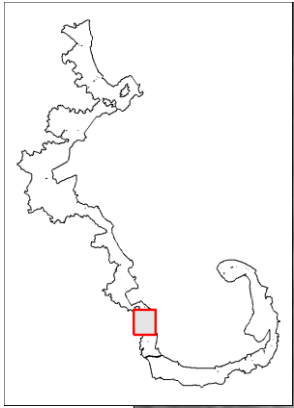


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
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- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



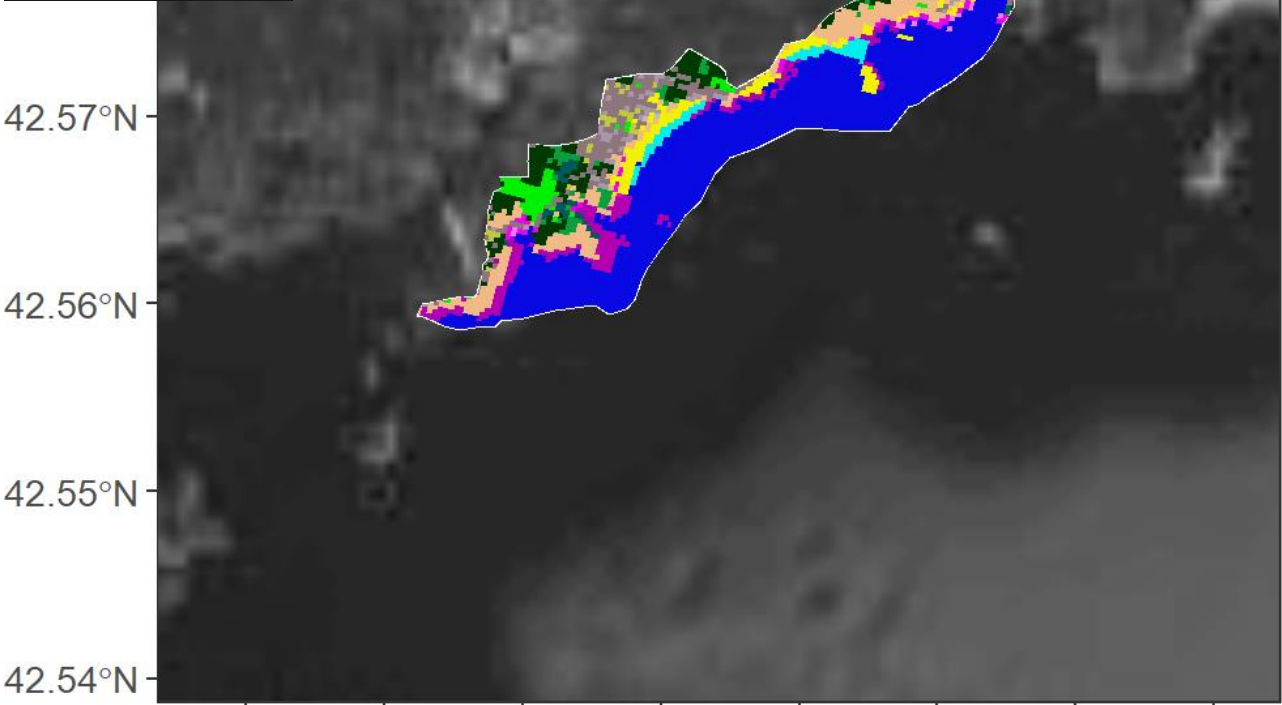
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,750.3	9.5	0	0	6.4	0	3.1
Percent Focal	60,276.1	100.0	0	0	67.0	0	33.0
Percent All	100.0	0.2	0	0	0.1	0	0.1

Manamoet / Indian Brook - Change 1996-2016

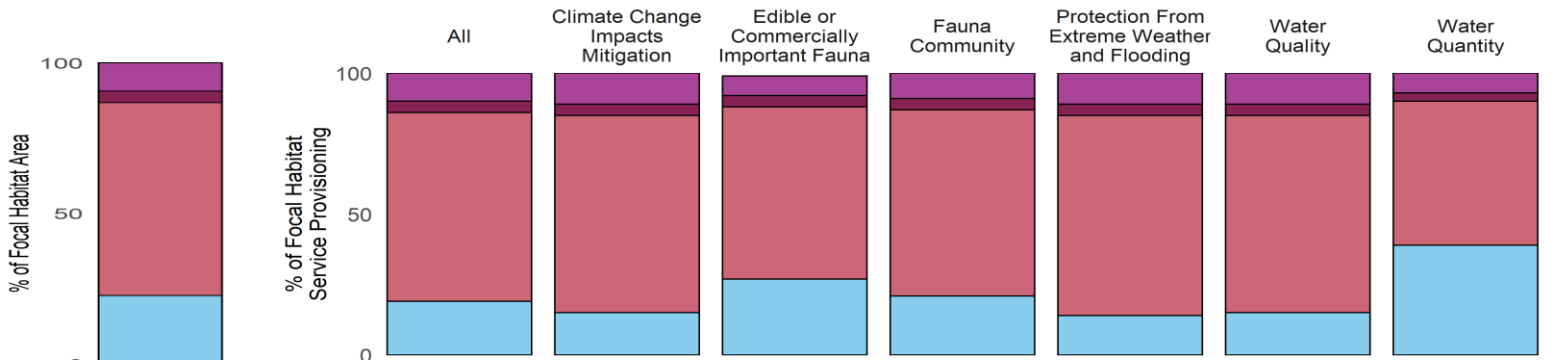


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.5	-5.8	11.8	-5.8
Tidal Flats	Beach	0.1	0.8	-0.2	0.8

Manchester Coast - 1996

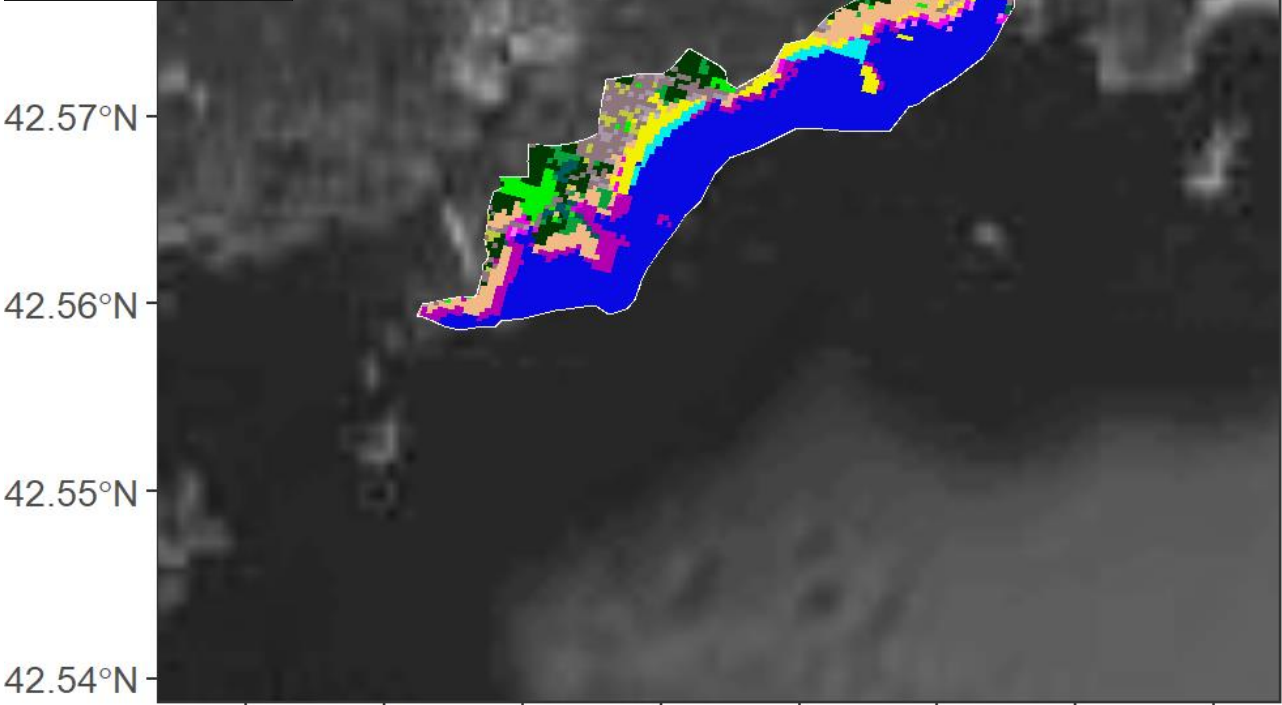


- Developed, High Intensity
- Grassland/Herbaceous
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- High Elevation Saltmarsh
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- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

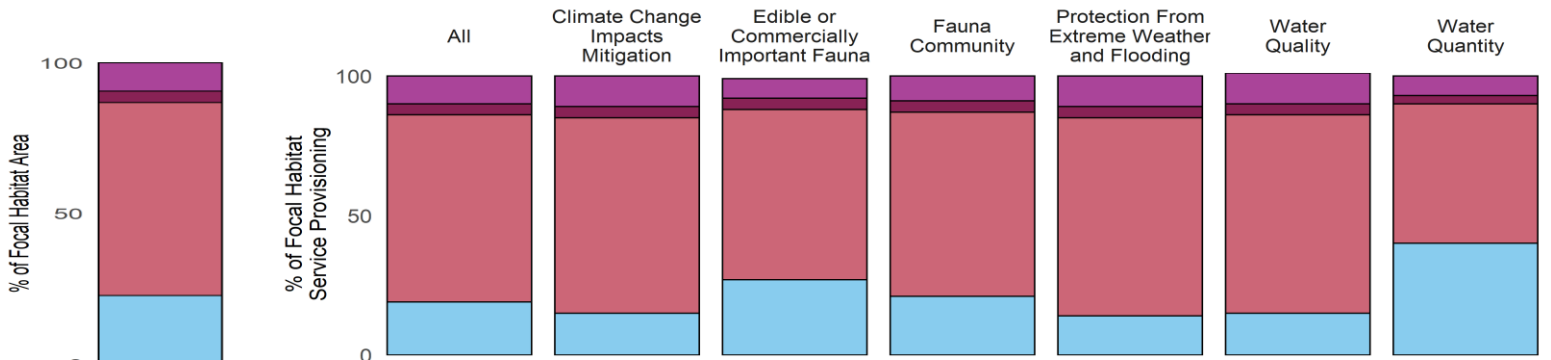


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	450.6	26.2	2.5	1.0	16.8	0	5.9
Percent Focal	1,718.7	100.0	9.5	3.8	64.1	0	22.7
Percent All	100.0	5.8	0.6	0.2	3.7	0	1.3

Manchester Coast - 2016

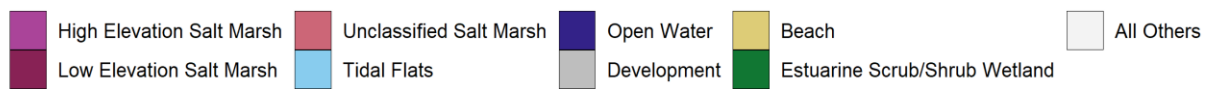
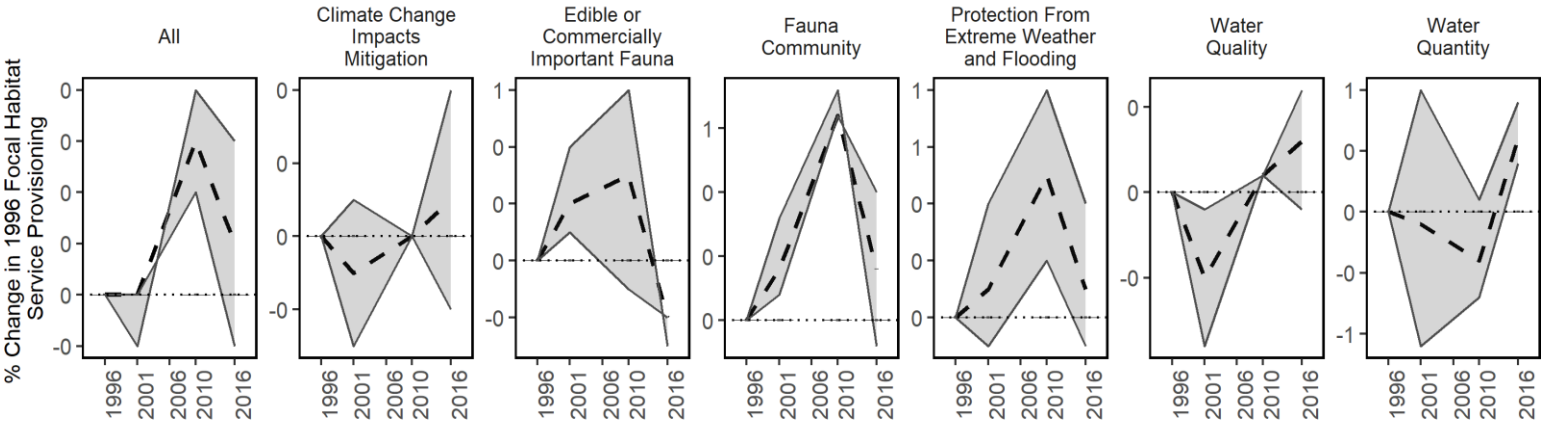
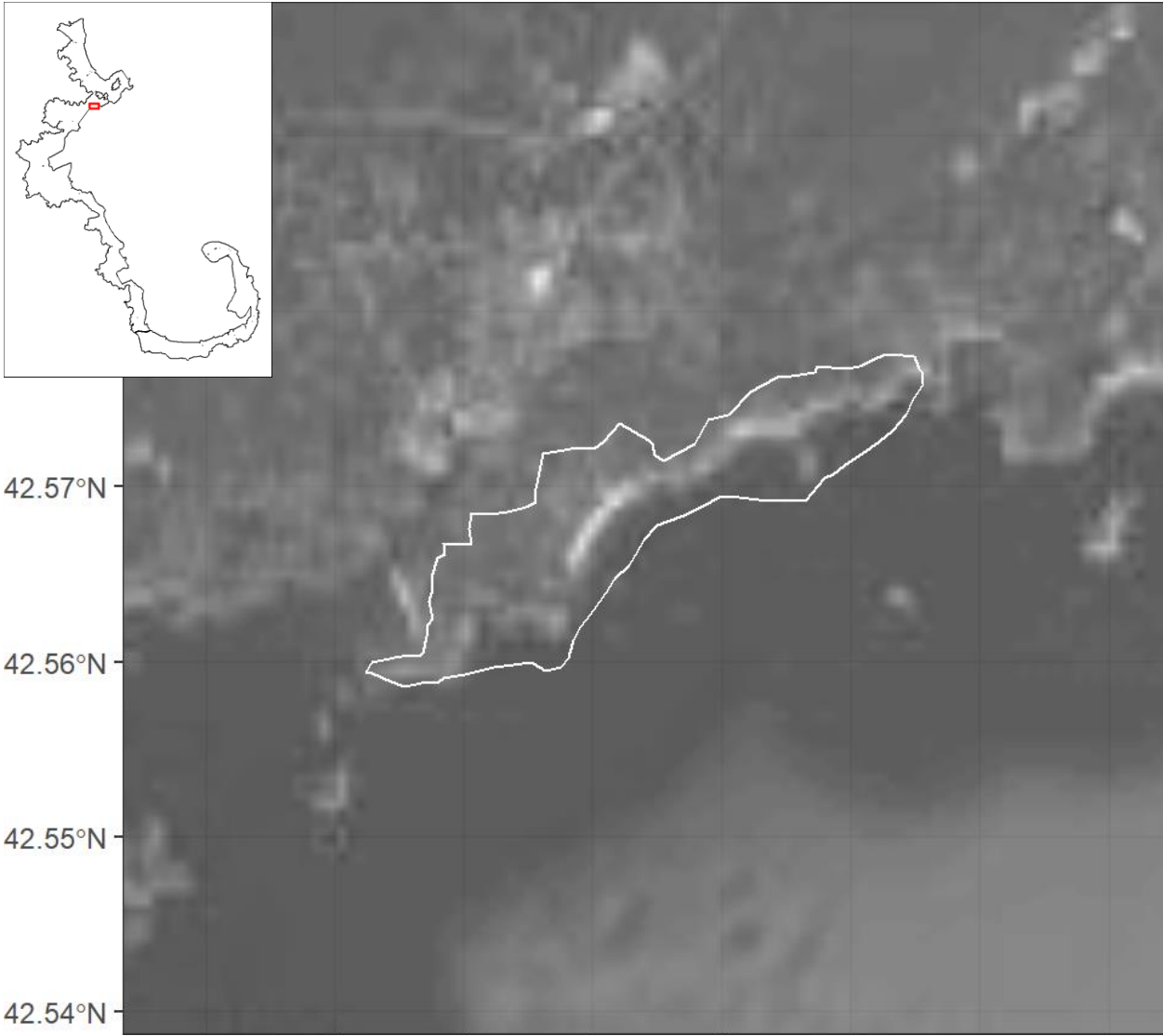


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
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- Deciduous Forest
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Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	450.6	26.2	2.5	1.0	16.8	0	5.9
Percent Focal	1,718.7	100.0	9.5	3.8	64.1	0	22.7
Percent All	100.0	5.8	0.6	0.2	3.7	0	1.3

Manchester Coast - Change 1996-2016

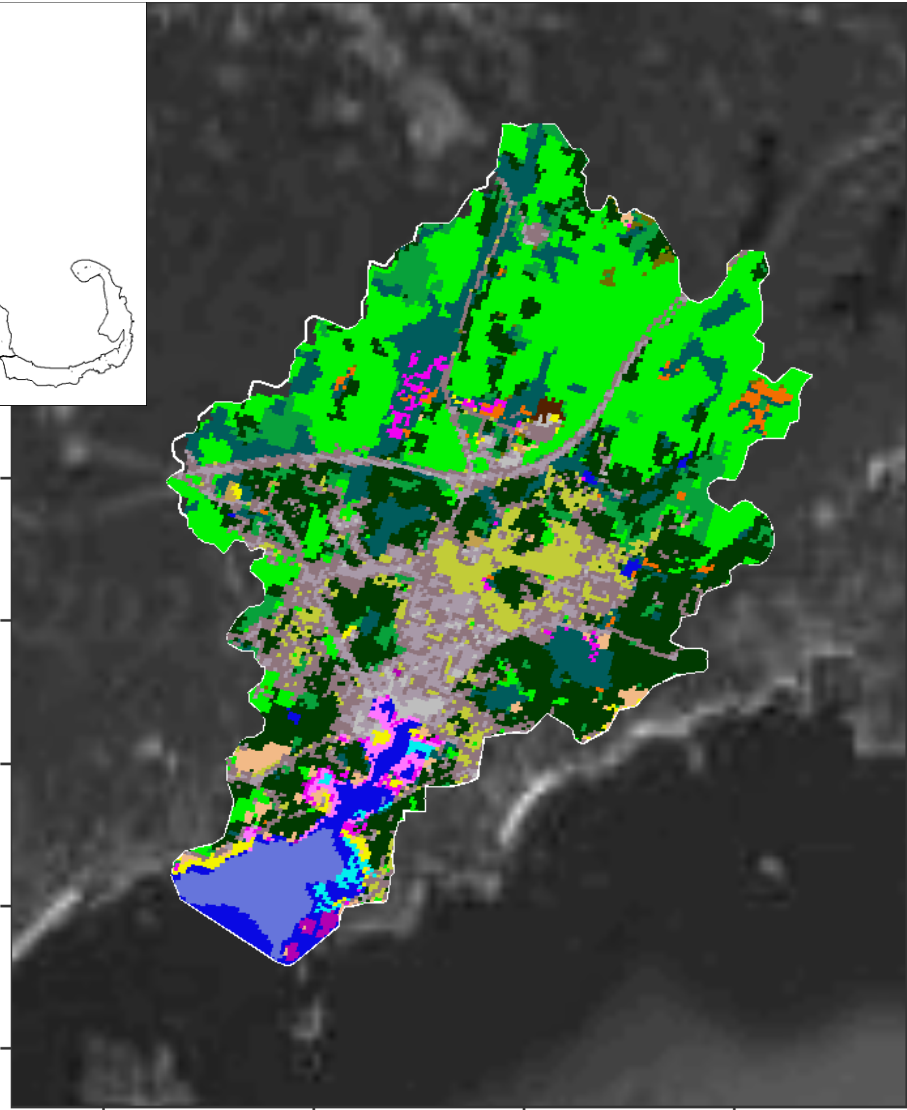


label
No Focal Habitat Cover Change from 1996-2016

Manchester Harbor - 1996

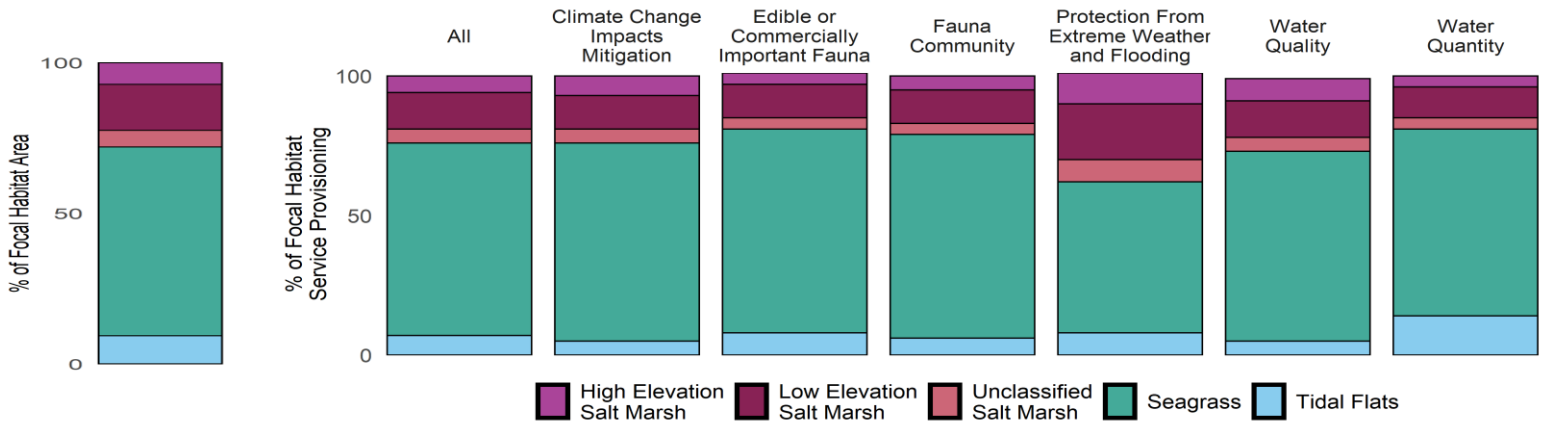


42.59°N
42.58°N
42.57°N
42.56°N
42.55°N



- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

70.80°W 70.78°W 70.76°W 70.74°W

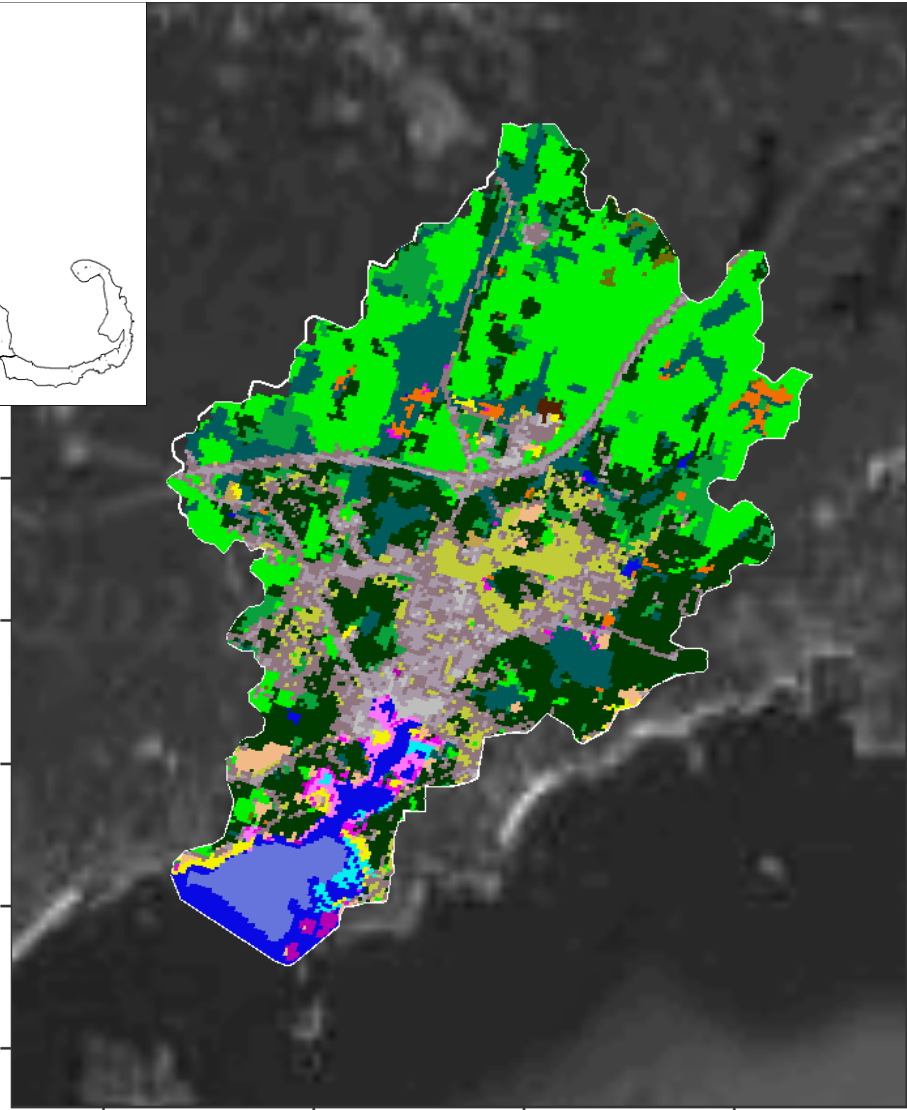


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,208.9	94.6	6.8	14.5	5.2	59.3	8.8
Percent Focal	3,392.0	100.0	7.1	15.3	5.5	62.7	9.3
Percent All	100.0	2.9	0.2	0.5	0.2	1.8	0.3

Manchester Harbor - 2016

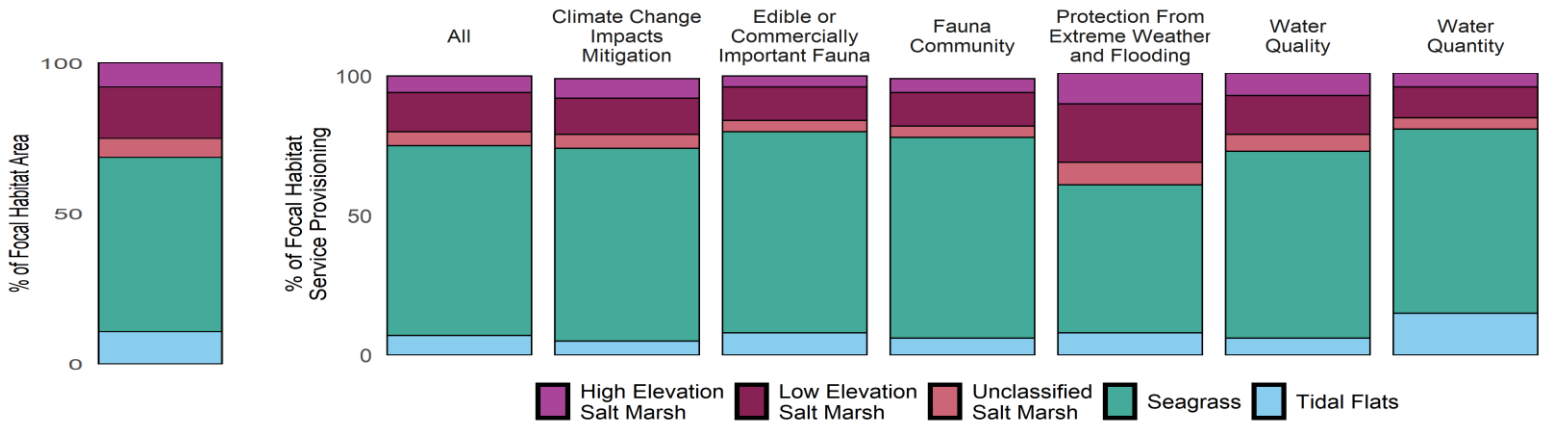


42.59°N
42.58°N
42.57°N
42.56°N
42.55°N



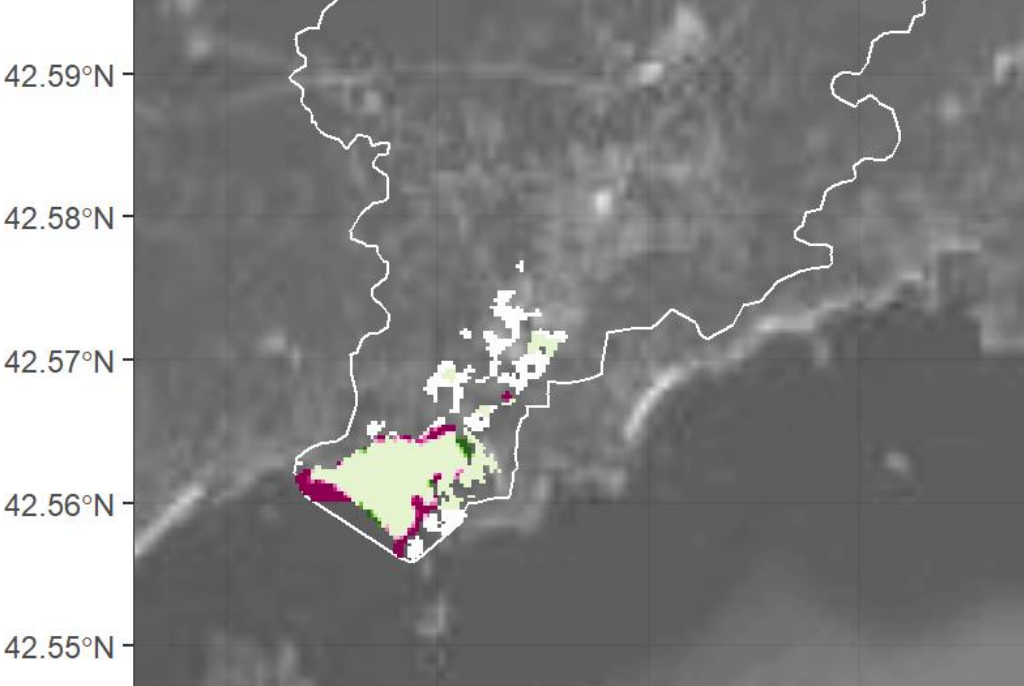
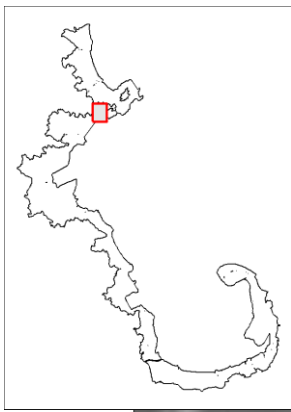
- Developed, High Intensity
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70.80°W 70.78°W 70.76°W 70.74°W

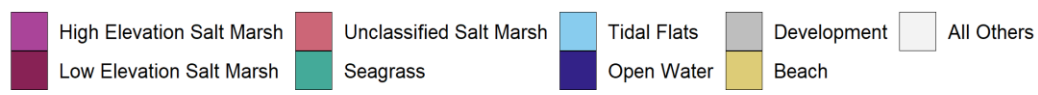
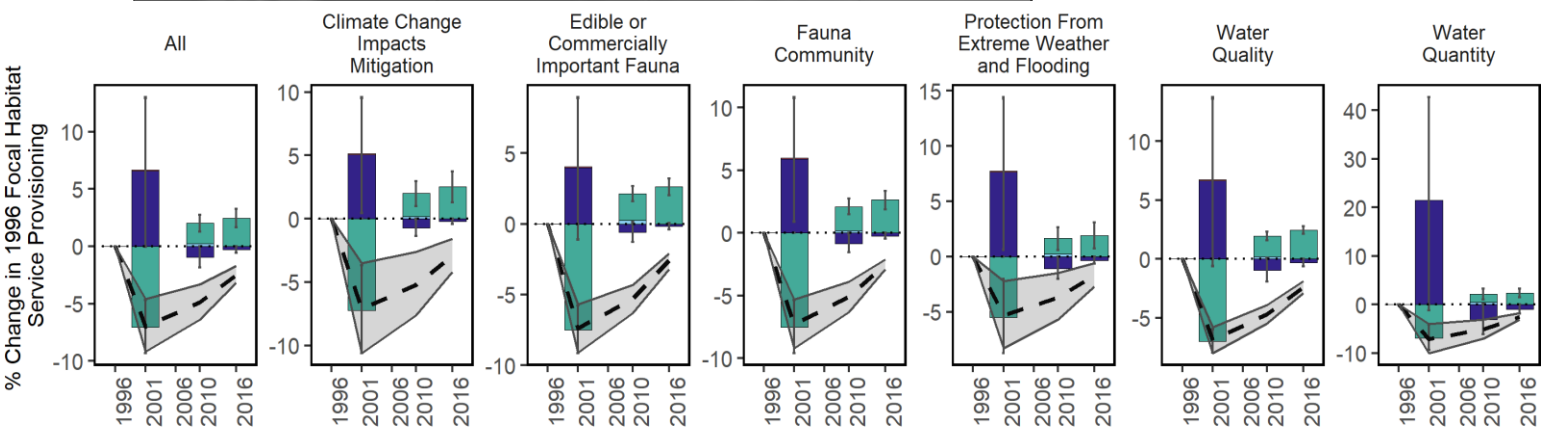
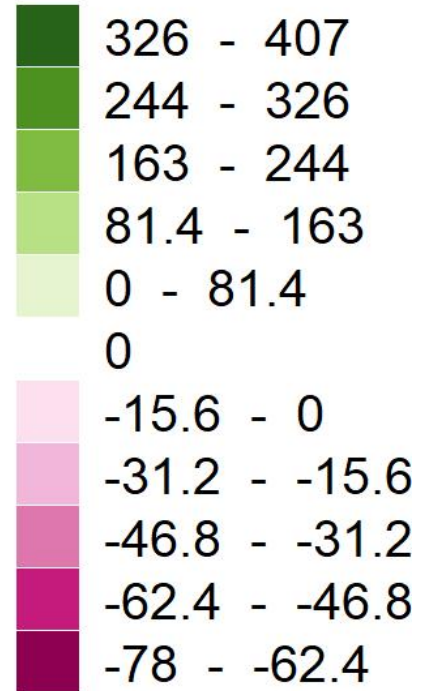


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,208.9	84.9	6.8	14.5	5.3	49.2	9.1
Percent Focal	3,780.5	100.0	8.0	17.1	6.3	58.0	10.7
Percent All	100.0	2.6	0.2	0.5	0.2	1.5	0.3

Manchester Harbor - Change 1996-2016



% Change

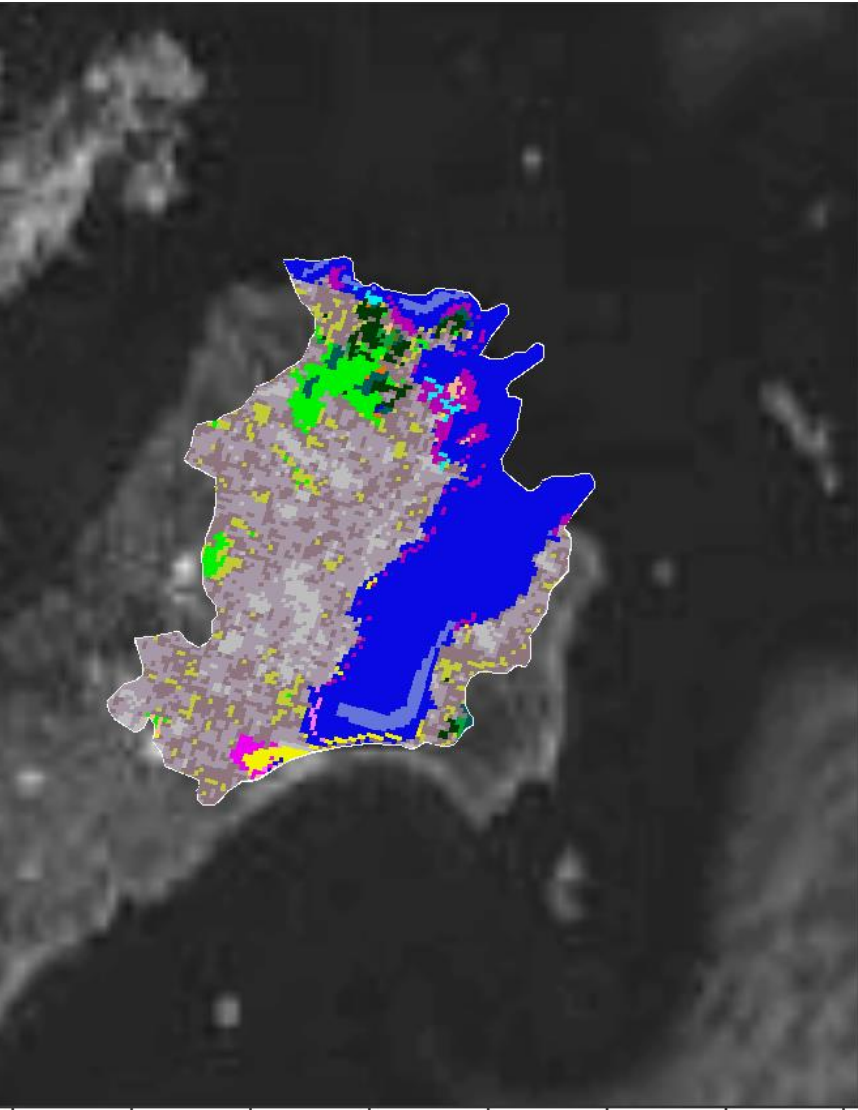


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-9.7	-2.6	5.3	-2.6
Seagrass	Tidal Flats	-0.3	-0.1	0.2	0.1
Seagrass	Unclassified Salt Marsh	-0.1	0.0	0.1	0.1

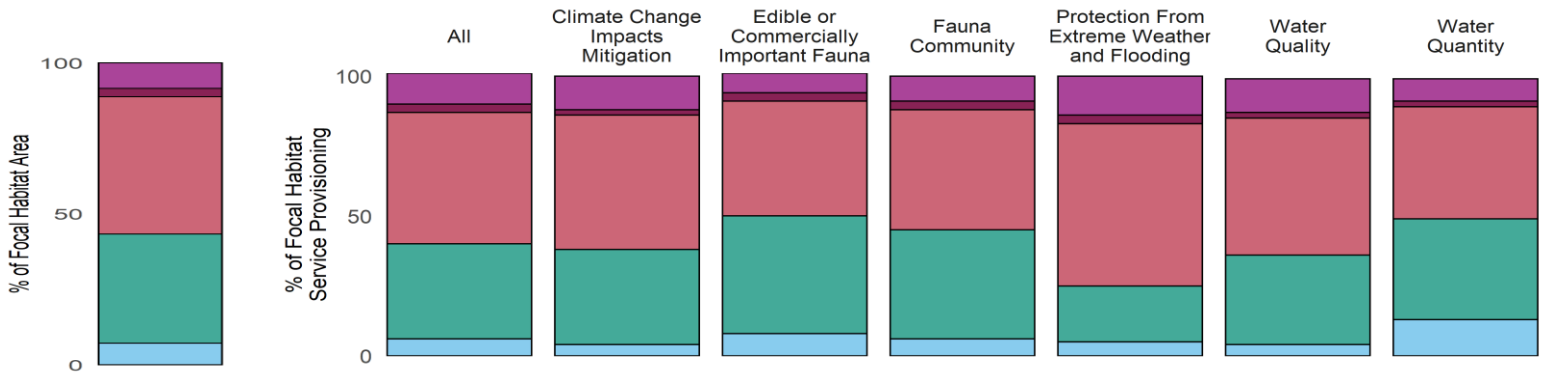
Marblehead Harbor - 1996



42.51°N
42.50°N
42.49°N
42.48°N
42.47°N



- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
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- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

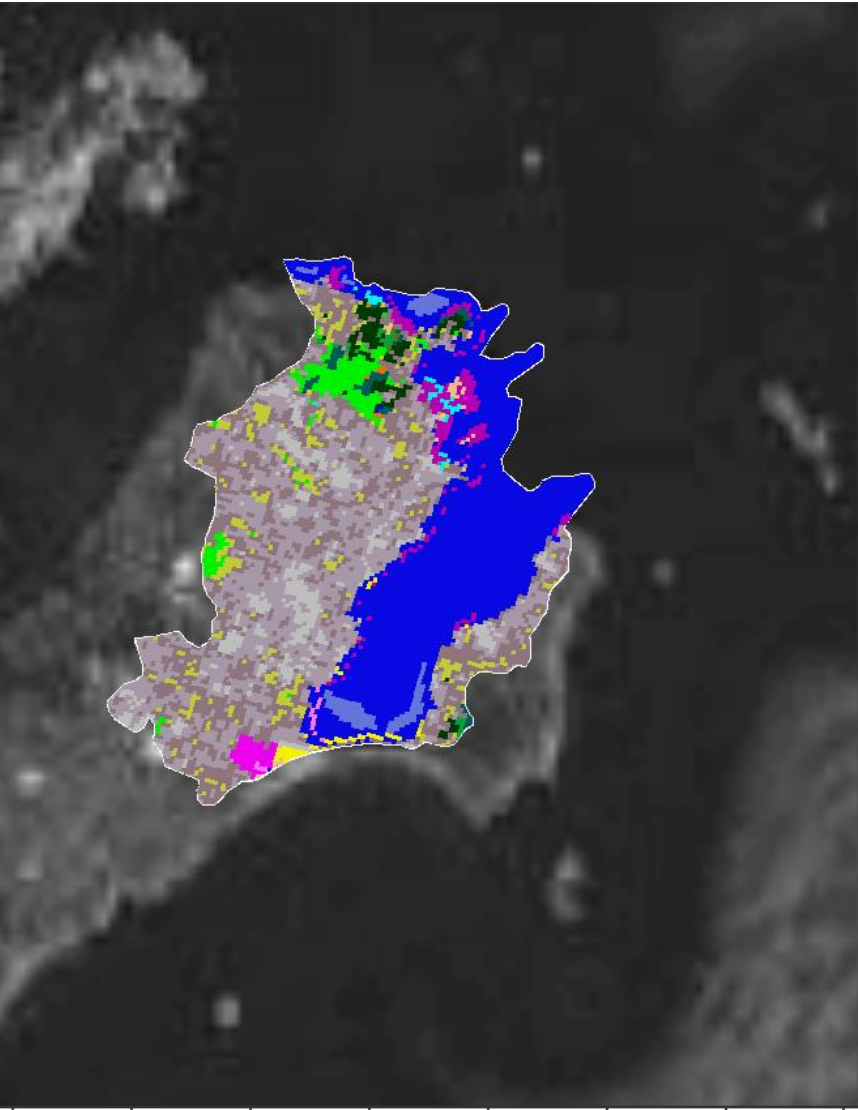


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,296.2	41.4	3.5	1.2	18.9	15.0	3.0
Percent Focal	3,128.6	100.0	8.4	2.8	45.5	36.1	7.2
Percent All	100.0	3.2	0.3	0.1	1.5	1.2	0.2

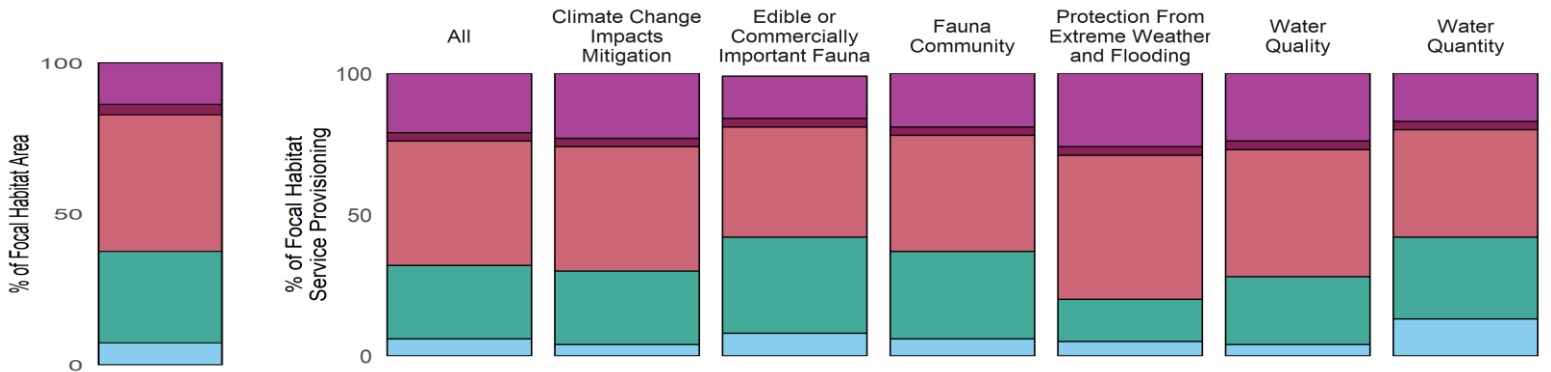
Marblehead Harbor - 2016



42.51°N
42.50°N
42.49°N
42.48°N
42.47°N

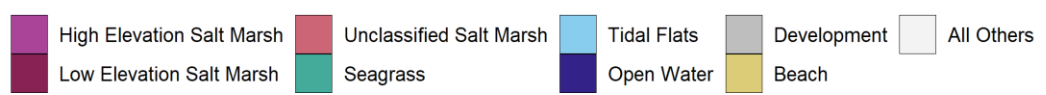
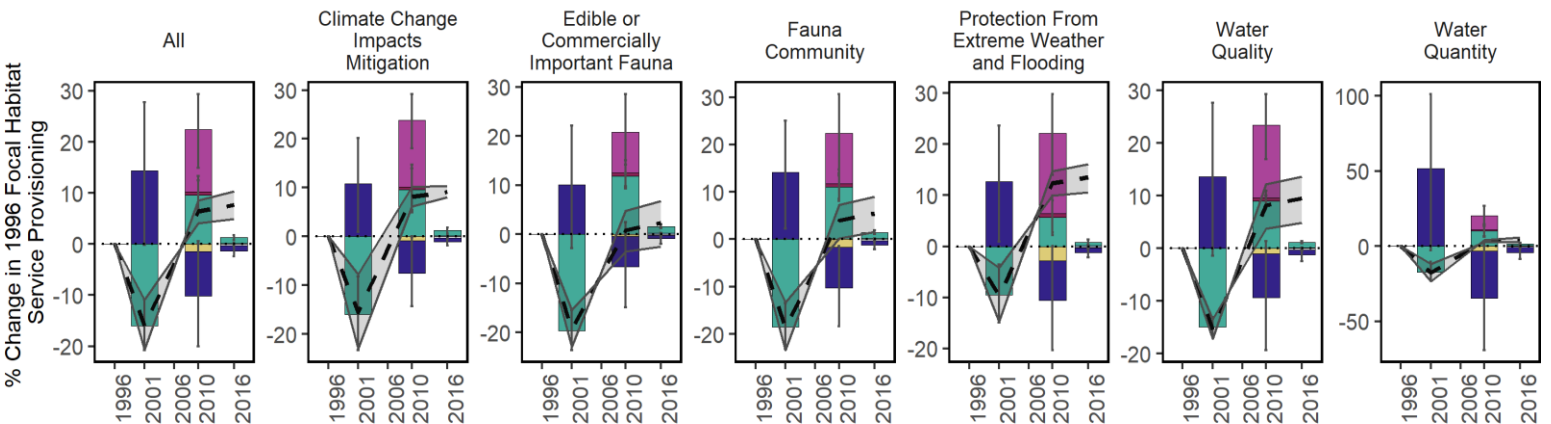
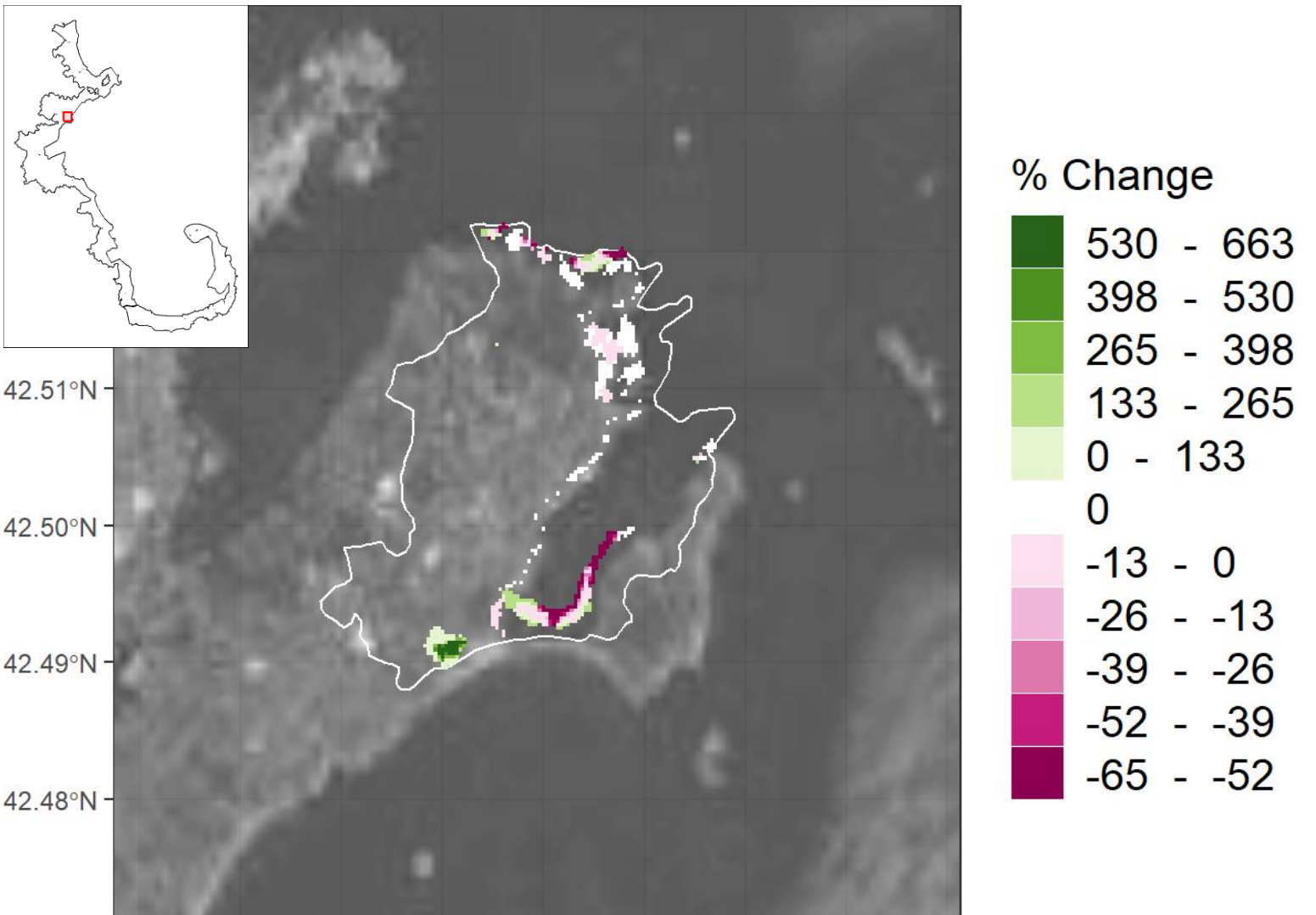


- Developed, High Intensity
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- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
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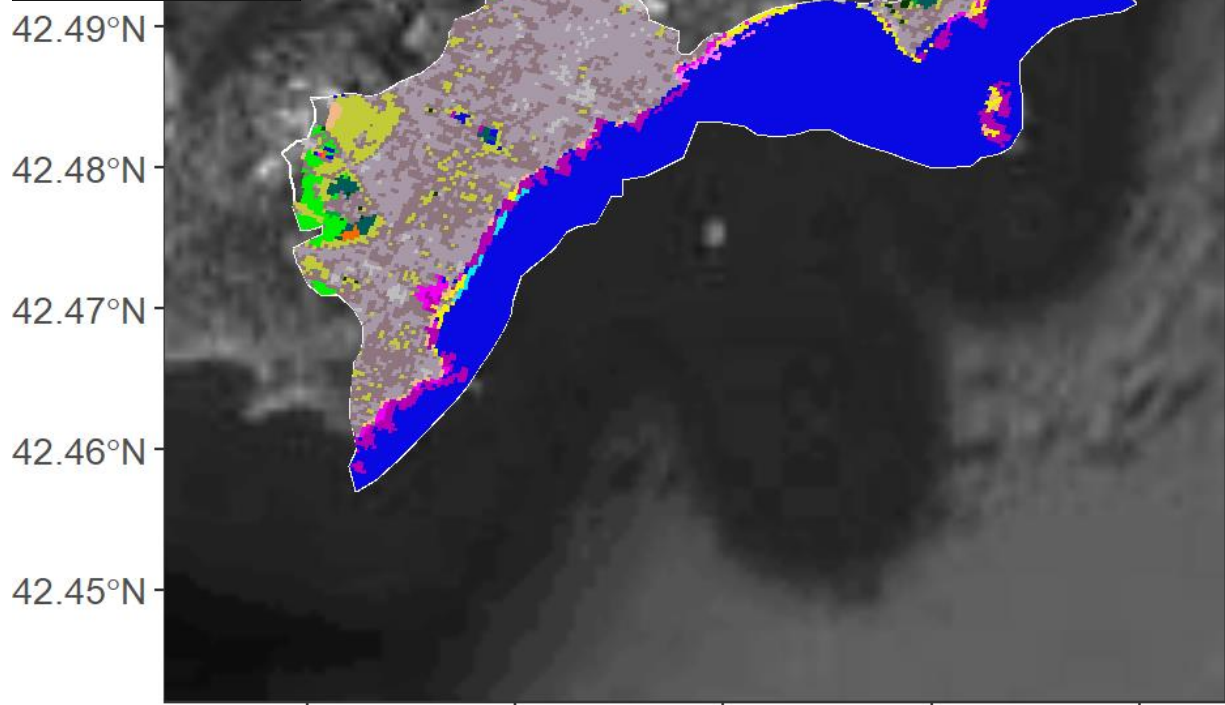
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,296.2	41.7	5.7	1.4	18.9	12.7	3.1
Percent Focal	3,106.9	100.0	13.7	3.5	45.2	30.3	7.3
Percent All	100.0	3.2	0.4	0.1	1.5	1.0	0.2

Marblehead Harbor - Change 1996-2016

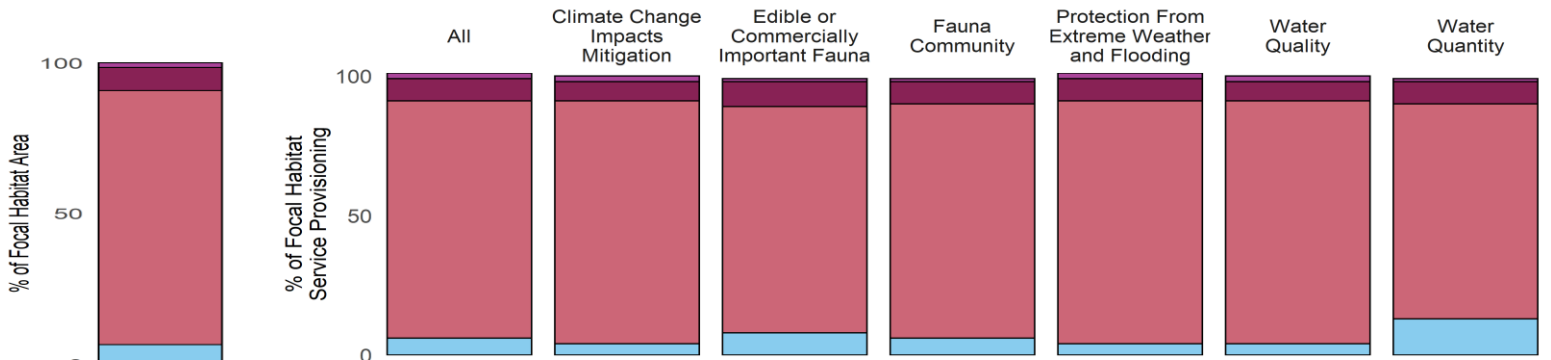


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-2.3	-5.3	4.6	-5.3
Tidal Flats	All Others	0.1	0.2	-0.3	0.2
Low Elev. Salt Marsh	Beach	0.3	0.7	-0.2	0.7
High Elev. Salt Marsh	Beach	2.2	12.2	-1.3	12.2

Marblehead Neck / Swampscott Coast - 1996



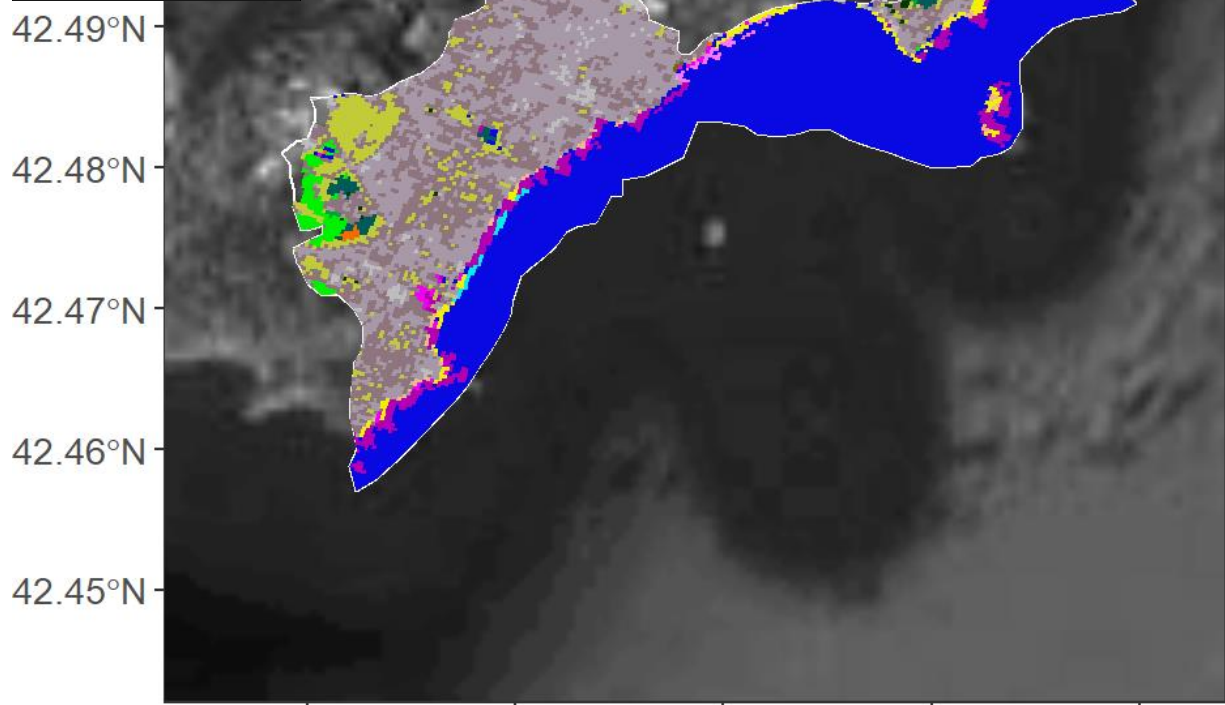
- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
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- Palustrine Scrub/Shrub Wetland
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- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
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- Palustrine Aquatic Bed
- Seagrass



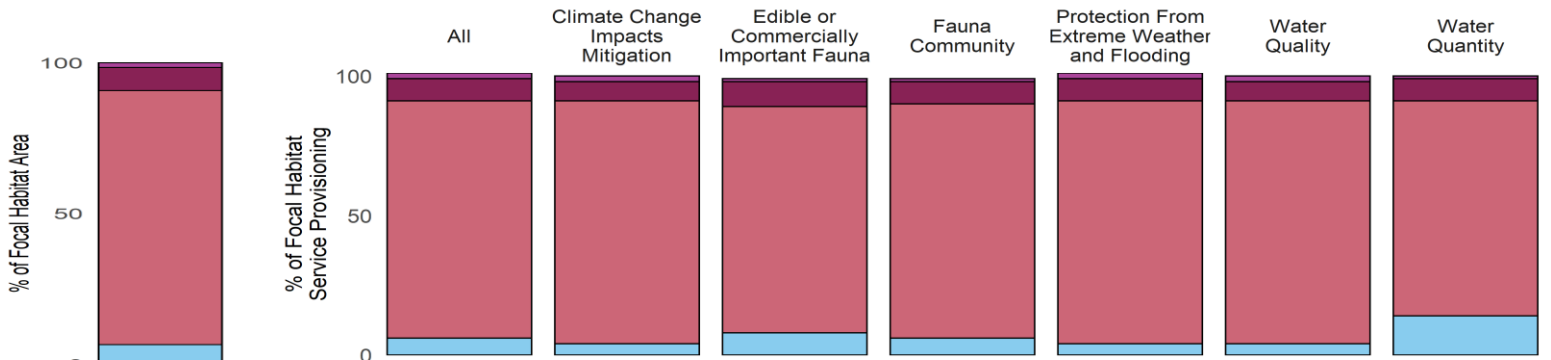
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh
- Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,187.5	43.5	0.7	3.3	36.7	0	2.8
Percent Focal	5,033.3	100.0	1.5	7.7	84.4	0	6.4
Percent All	100.0	2.0	0.0	0.2	1.7	0	0.1

Marblehead Neck / Swampscott Coast - 2016



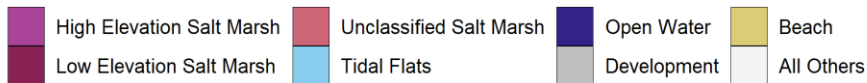
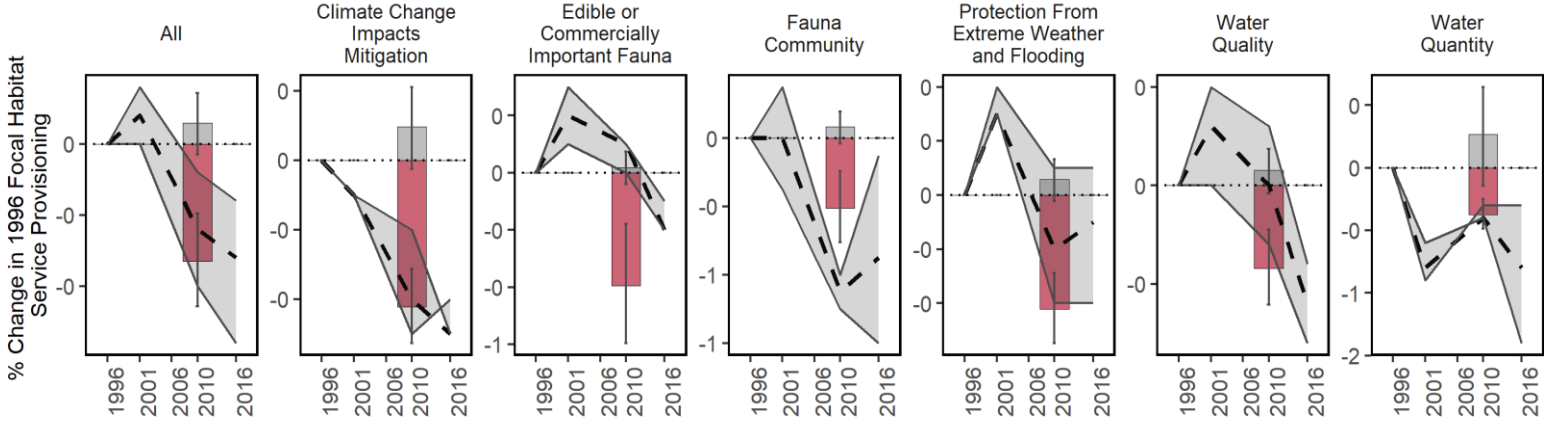
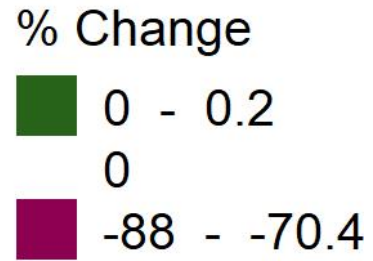
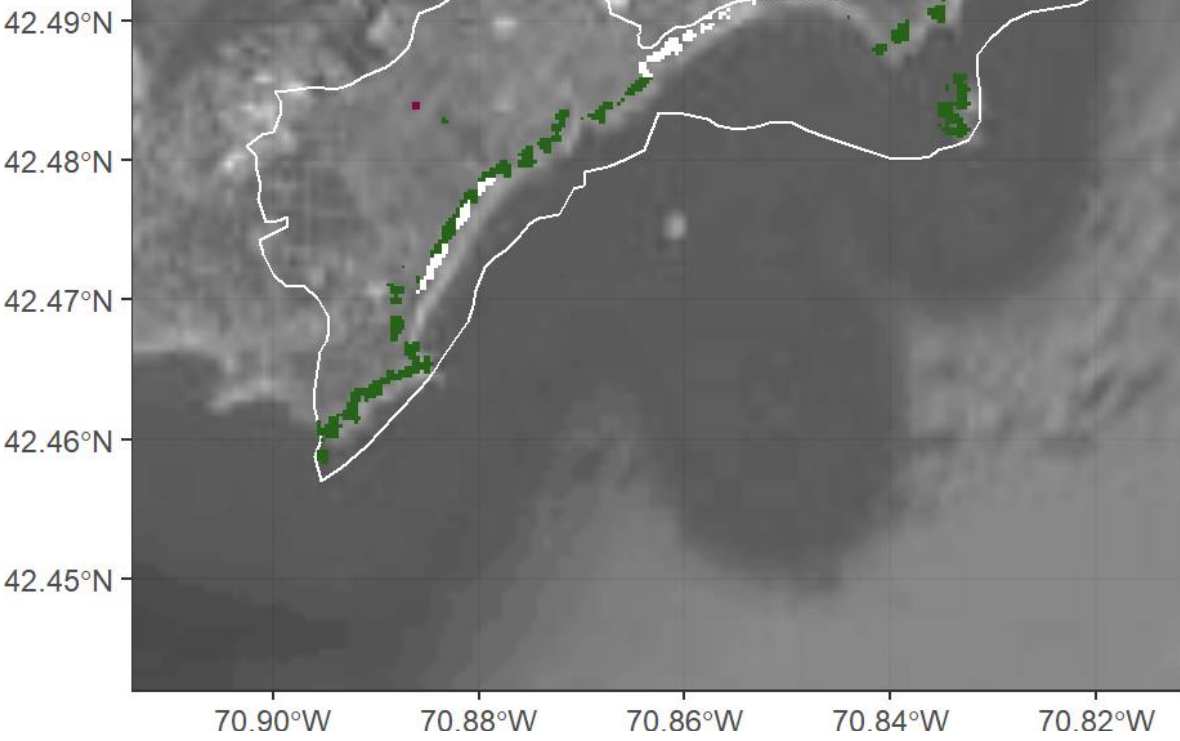
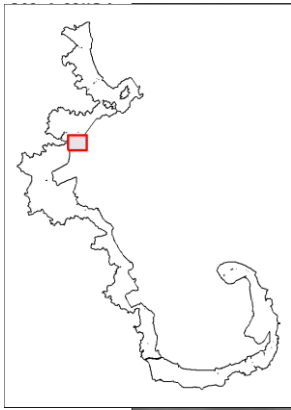
- Developed, High Intensity
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- Low Elevation Salt Marsh
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- Tidal Flats

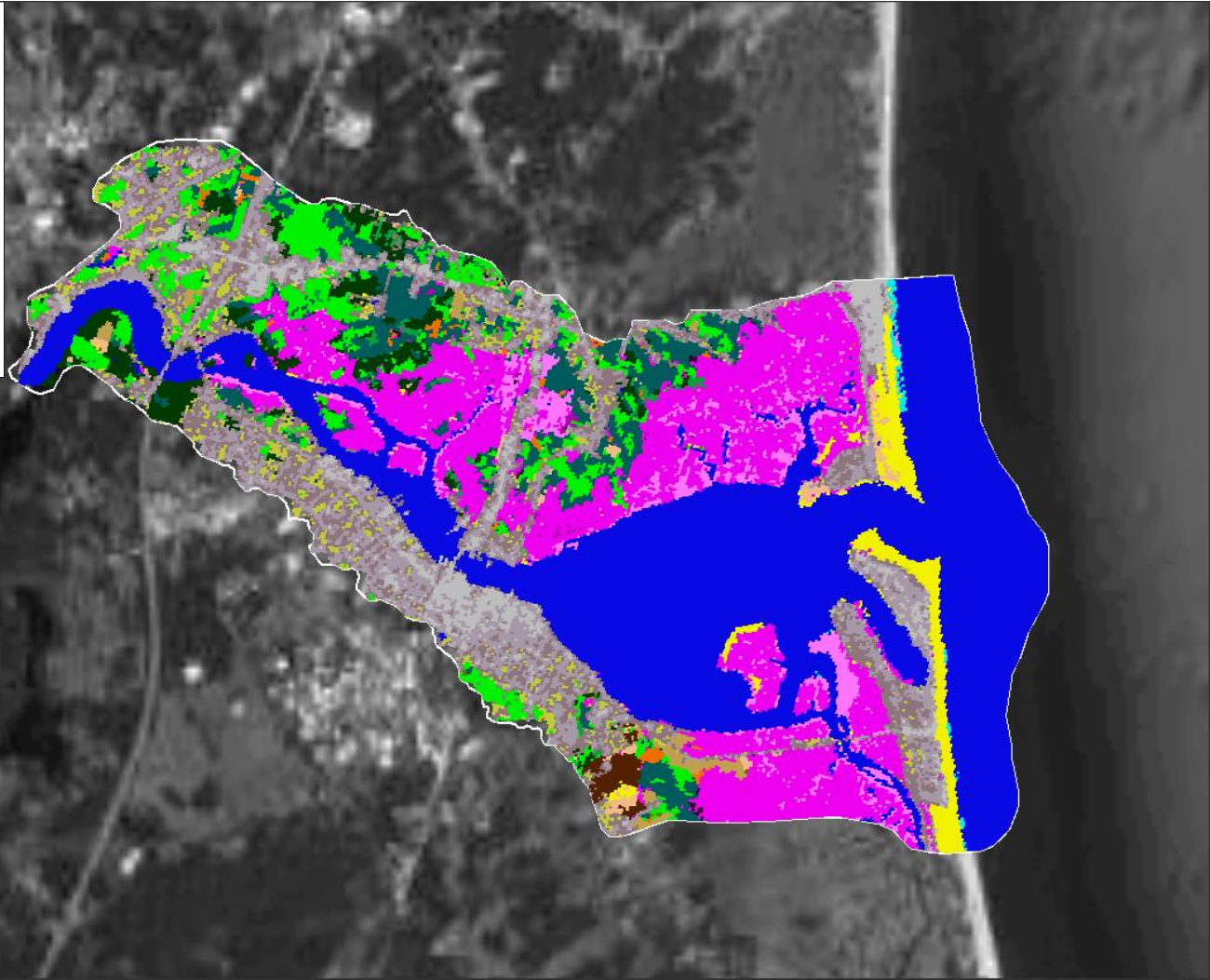
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,187.5	43.3	0.7	3.3	36.5	0	2.8
Percent Focal	5,054.2	100.0	1.5	7.7	84.3	0	6.4
Percent All	100.0	2.0	0.0	0.2	1.7	0	0.1

Marblehead Neck / Swampscott Coast - Change 1996-2016



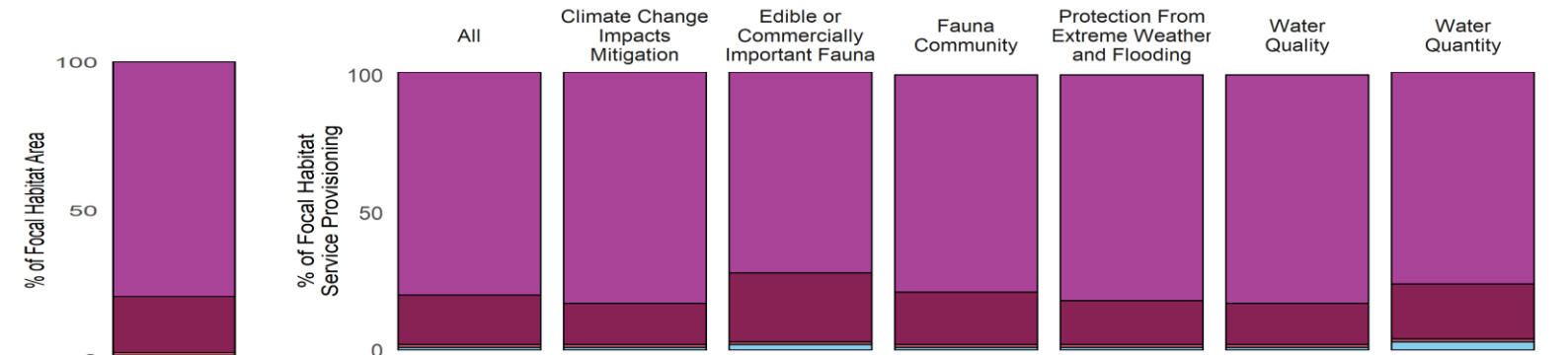
Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Development	-0.2	-0.4	0.1	-0.4

Merrimack River - 1996



70.95°W 70.90°W 70.85°W 70.80°W

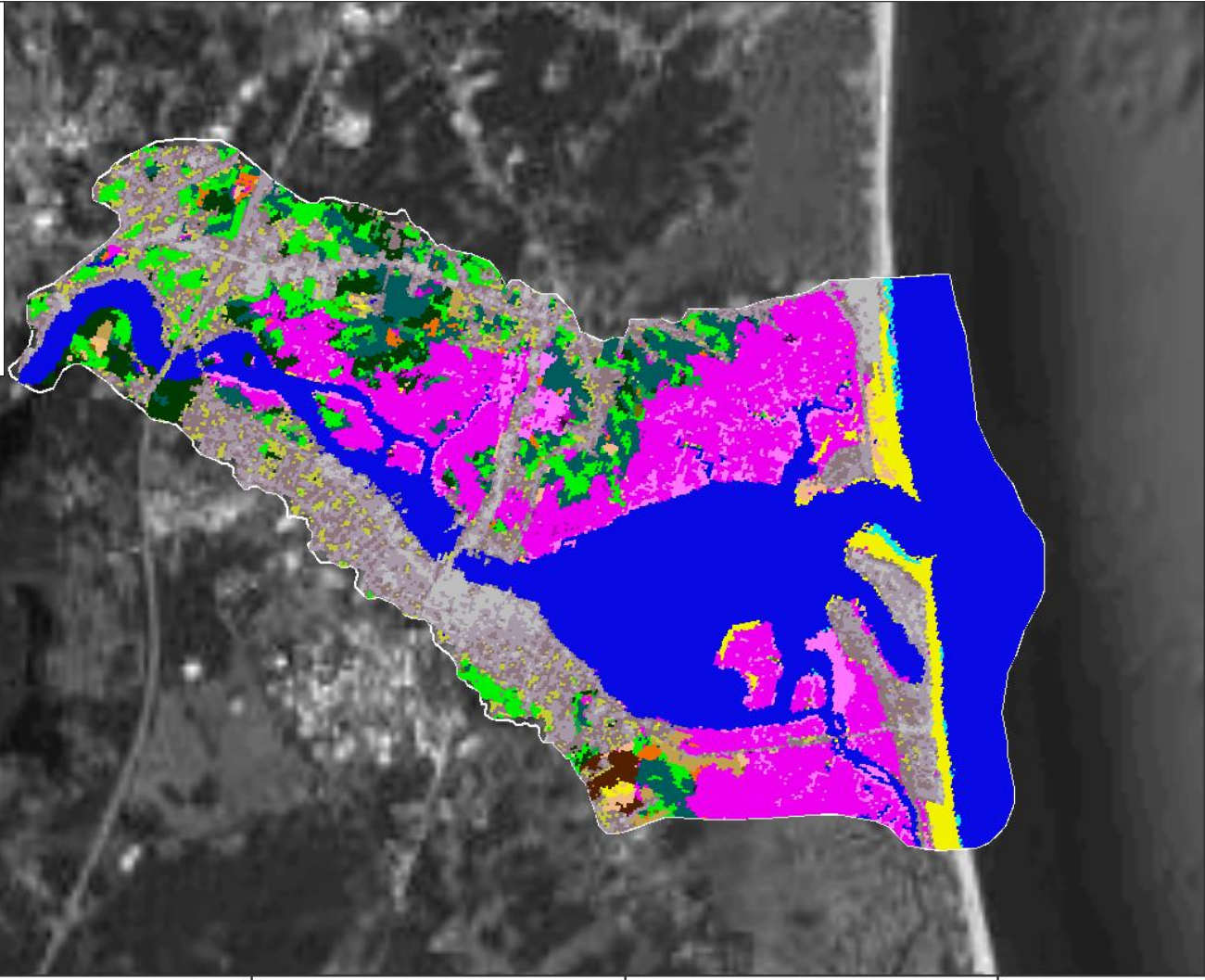
- Developed, High Intensity
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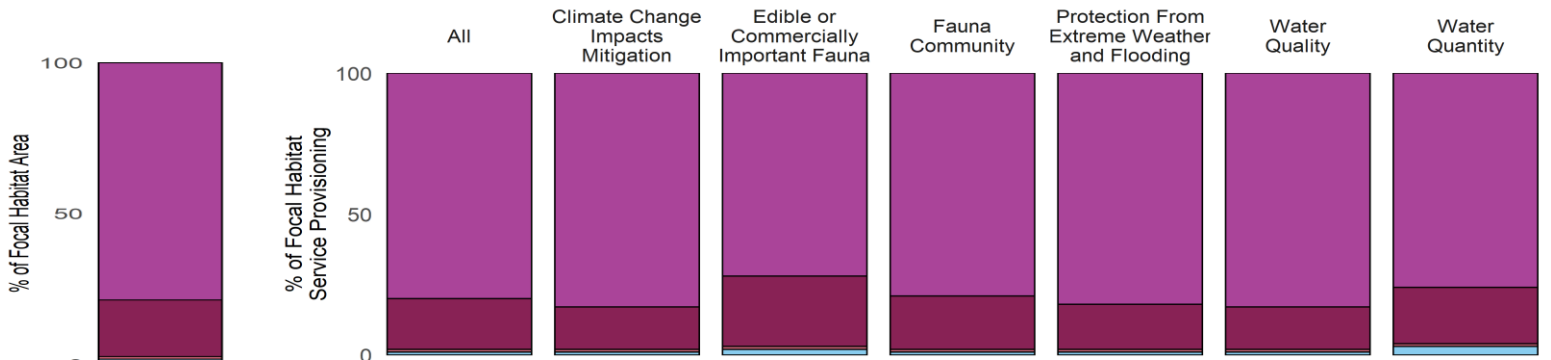
■ High Elevation Salt Marsh ■ Low Elevation Salt Marsh ■ Unclassified Salt Marsh ■ Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	8,956.9	920.6	727.7	174.0	8.1	0	10.8
Percent Focal	973.0	100.0	79.0	18.9	0.9	0	1.2
Percent All	100.0	10.3	8.1	1.9	0.1	0	0.1

Merrimack River - 2016

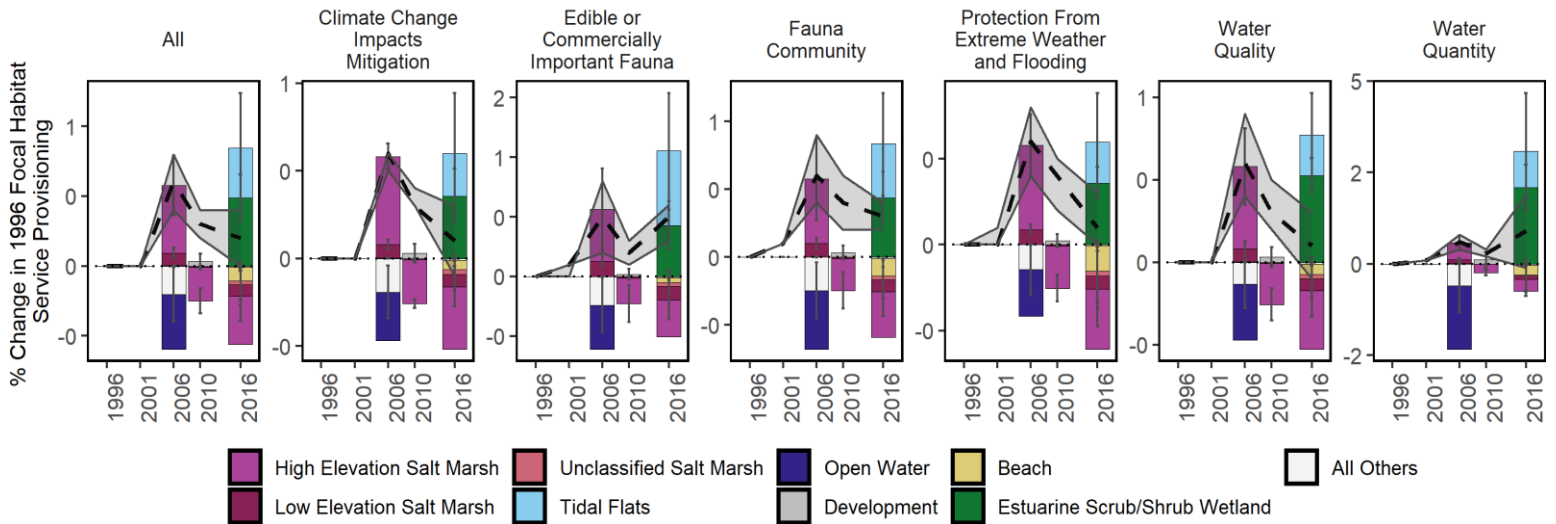
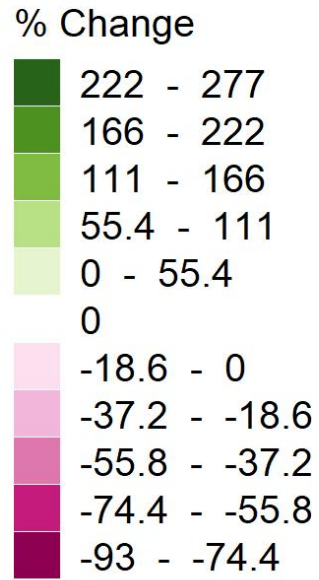
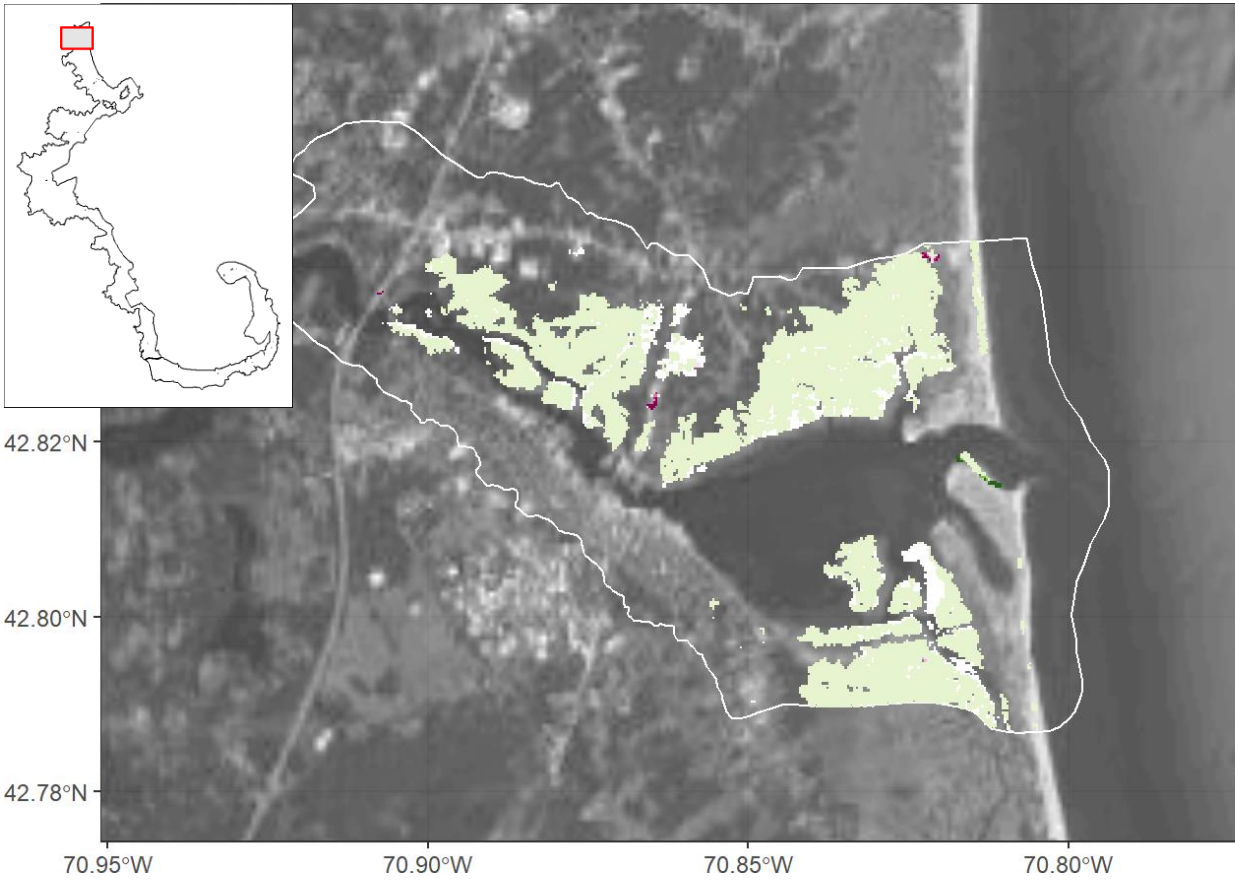


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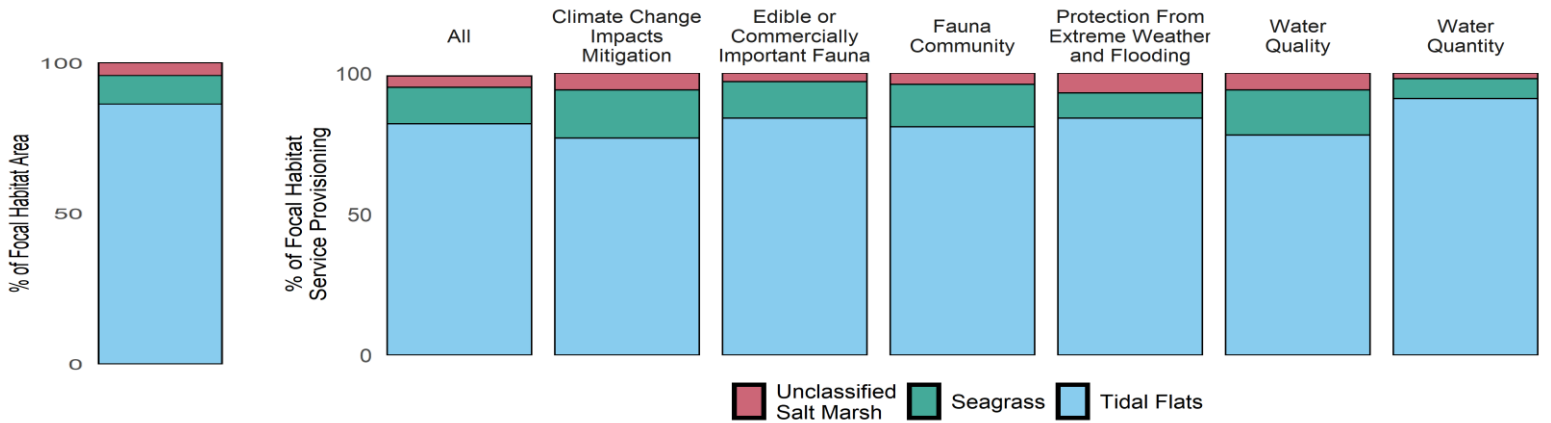
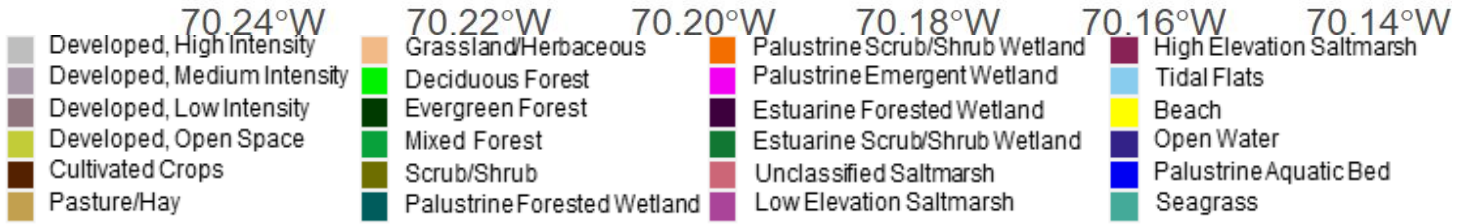
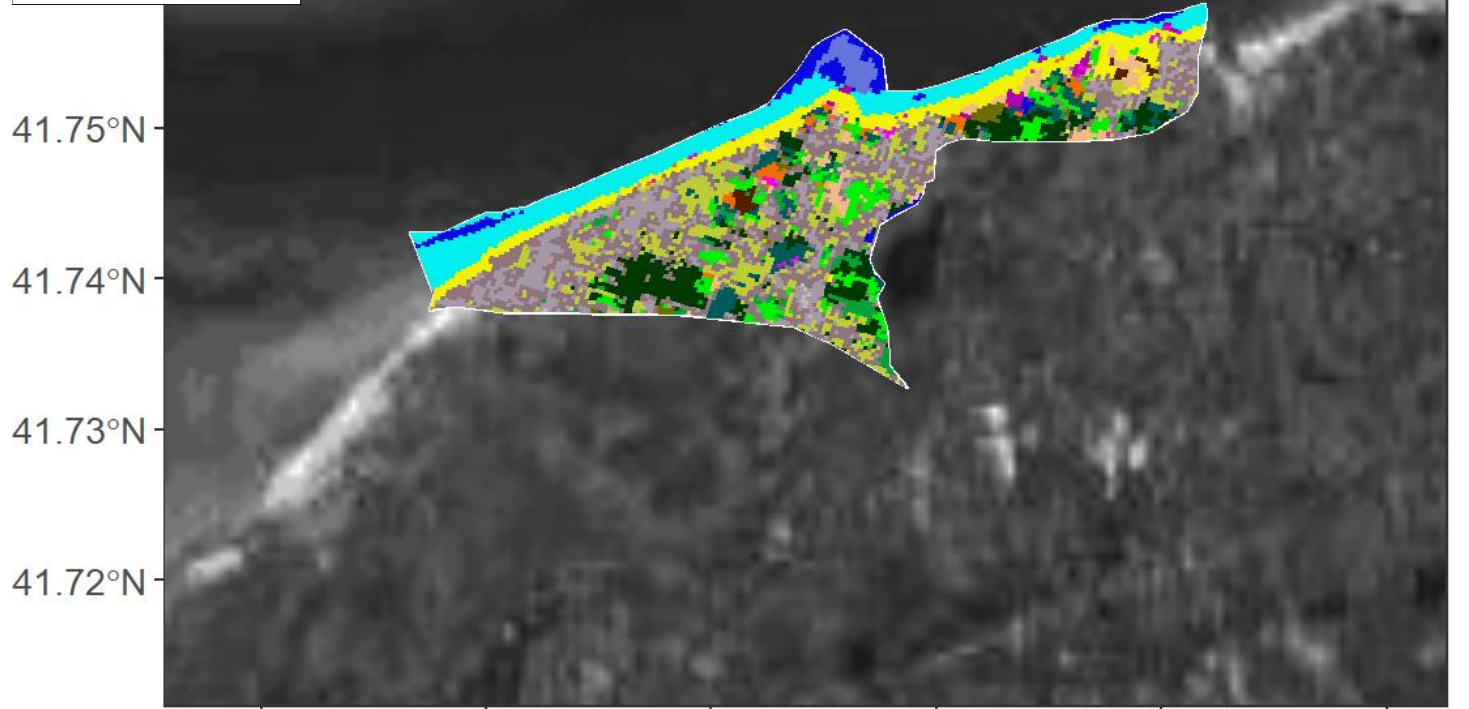
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	8,956.9	923.4	726.6	174.0	7.8	0	14.9
Percent Focal	970.0	100.0	78.7	18.8	0.8	0	1.6
Percent All	100.0	10.3	8.1	1.9	0.1	0	0.2

Merrimack River - Change 1996-2016



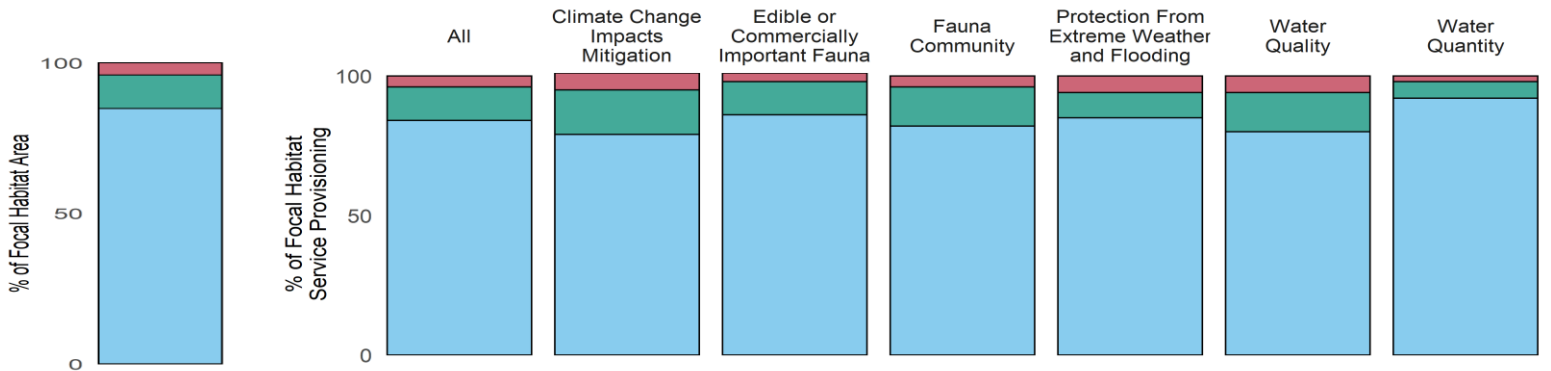
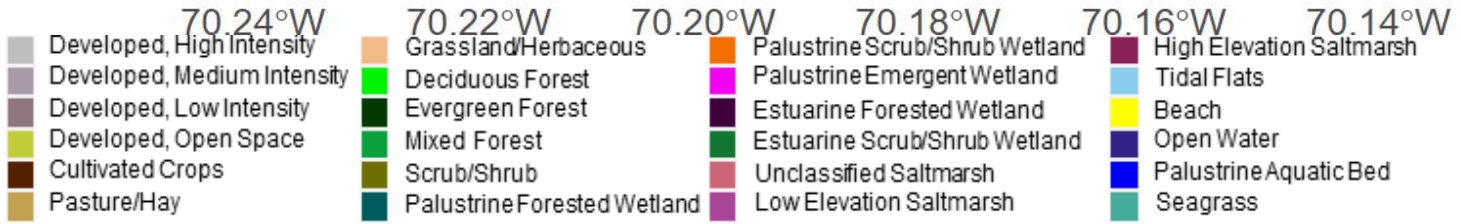
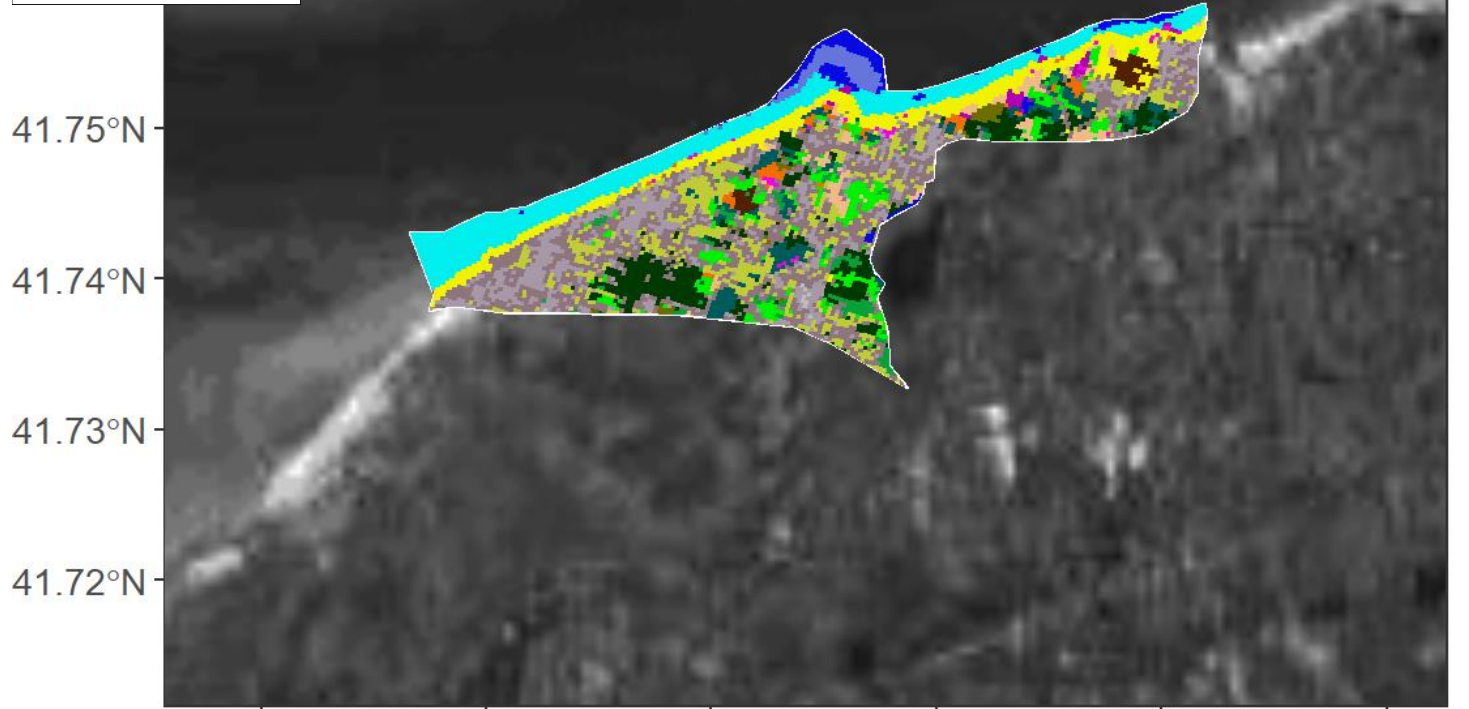
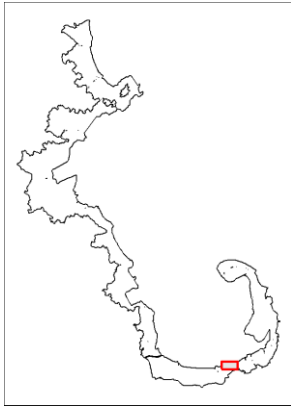
Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-2.9	-0.3	0.4	-0.3
High Elev. Salt Marsh	Development	-1.9	-0.2	0.0	-0.2
Low Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.8	-0.1	0.1	-0.1
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.3	0.0	0.0	0.0
Low Elev. Salt Marsh	Development	-0.2	0.0	0.0	0.0
Low Elev. Salt Marsh	All Others	0.1	0.0	0.0	0.0
Low Elev. Salt Marsh	Open Water	0.9	0.1	-0.1	0.1
Tidal Flats	Beach	1.1	0.1	0.0	0.1
High Elev. Salt Marsh	Open Water	1.4	0.2	-0.1	0.2
High Elev. Salt Marsh	All Others	2.2	0.3	-0.2	0.3
Tidal Flats	Open Water	3.1	0.3	-0.2	0.3

Nabcusset Harbor - 1996



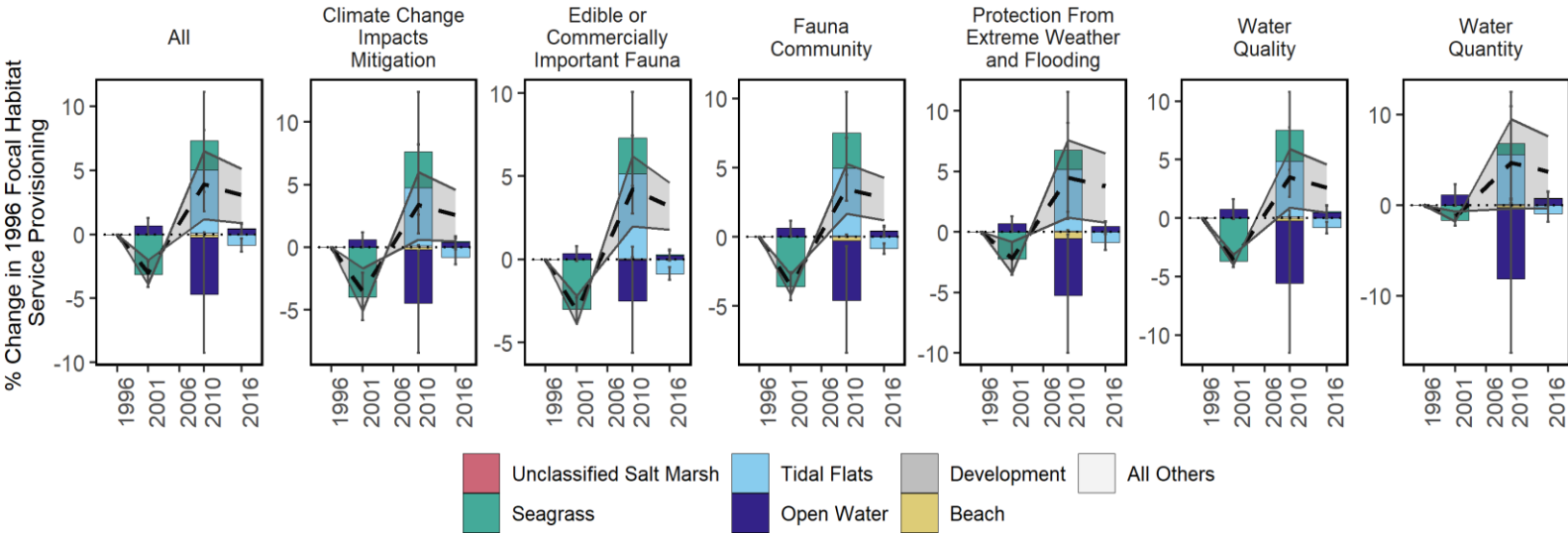
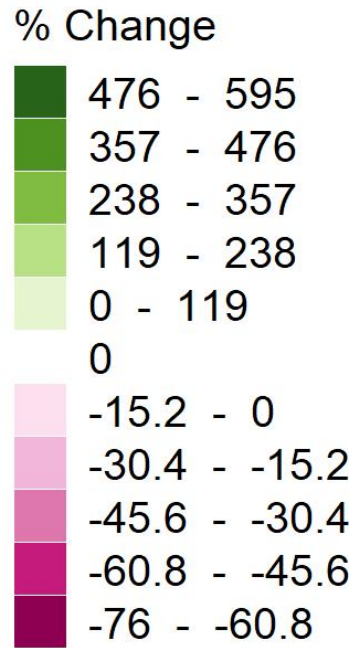
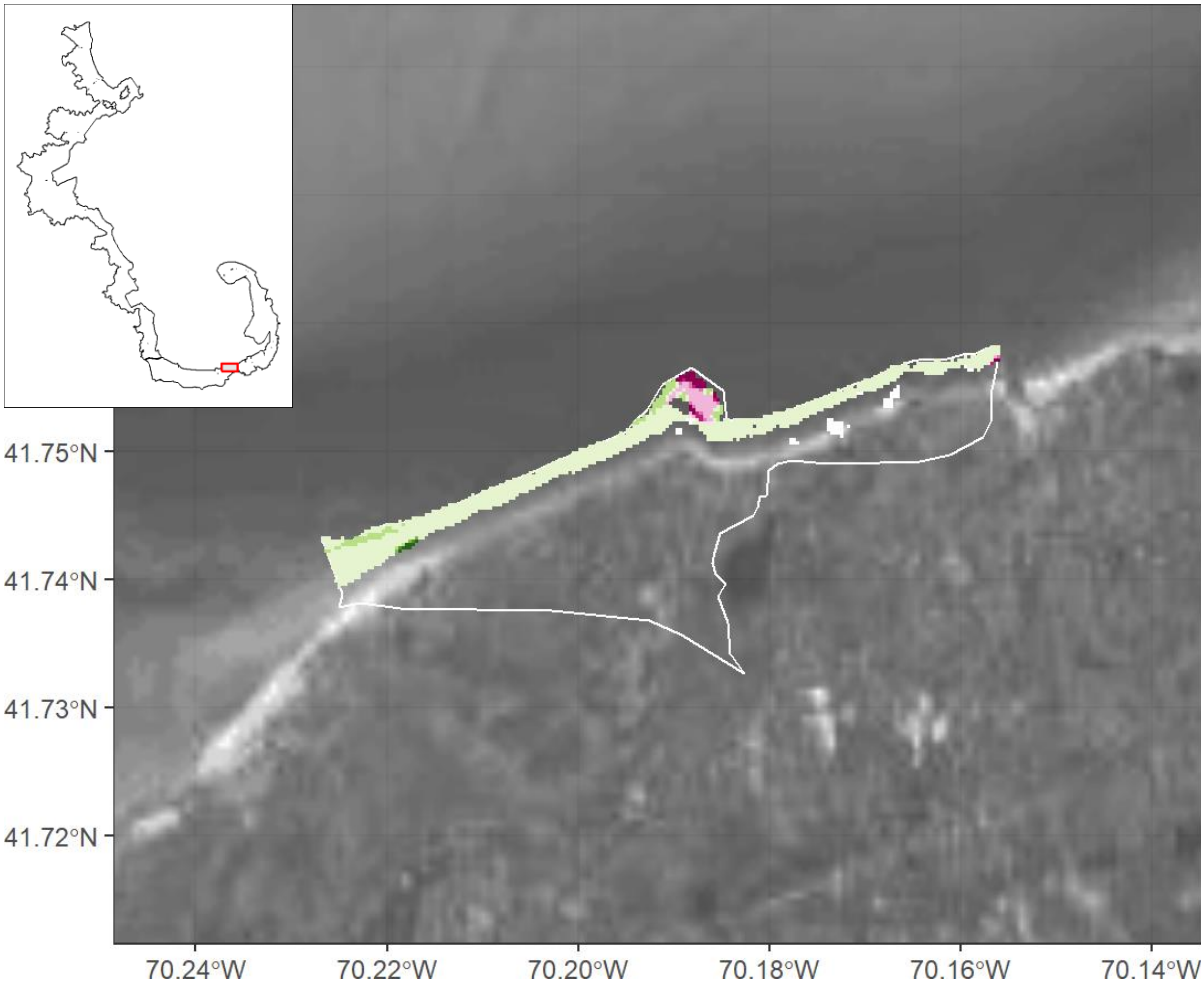
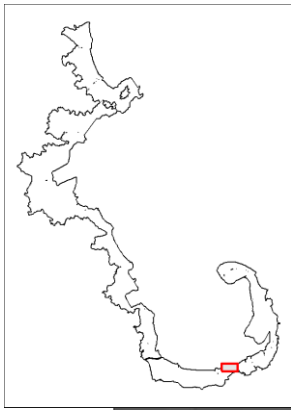
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,095.0	96.1	0	0	4.0	9.1	83.0
Percent Focal	1,138.9	100.0	0	0	4.2	9.5	86.3
Percent All	100.0	8.8	0	0	0.4	0.8	7.6

Nabcusset Harbor - 2016



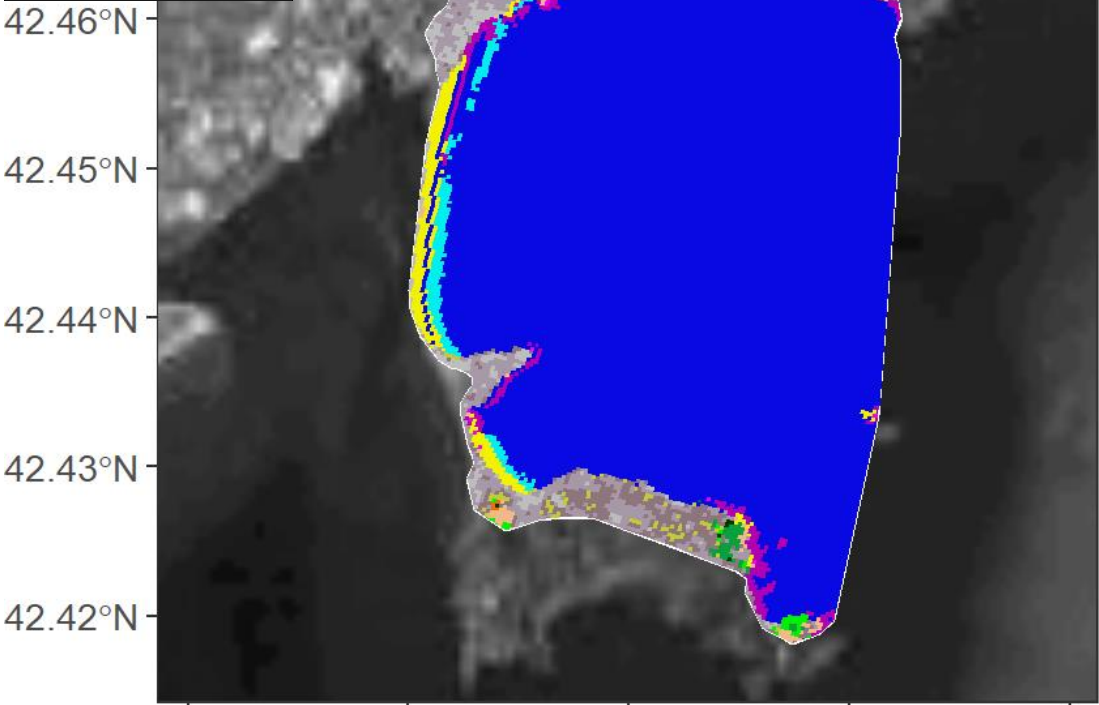
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,095.0	101.7	0	0	4.0	11.4	86.2
Percent Focal	1,077.1	100.0	0	0	4.0	11.2	84.8
Percent All	100.0	9.3	0	0	0.4	1.0	7.9

Nabcusset Harbor - Change 1996-2016

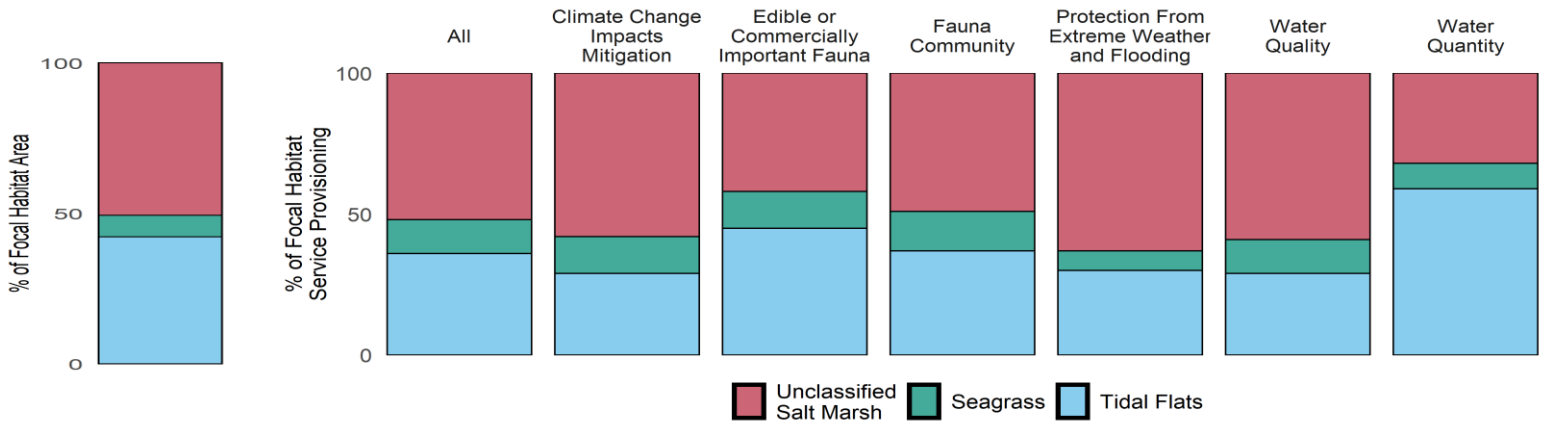


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Tidal Flats	Seagrass	-1.0	-1.7	0.5	-1.2
Tidal Flats	All Others	-0.2	-0.2	0.1	-0.2
Tidal Flats	Beach	0.5	0.8	-0.2	0.8
Seagrass	Open Water	1.3	-1.3	-0.8	-1.3
Tidal Flats	Open Water	3.9	4.9	-2.6	4.9

Nahant Bay - 1996

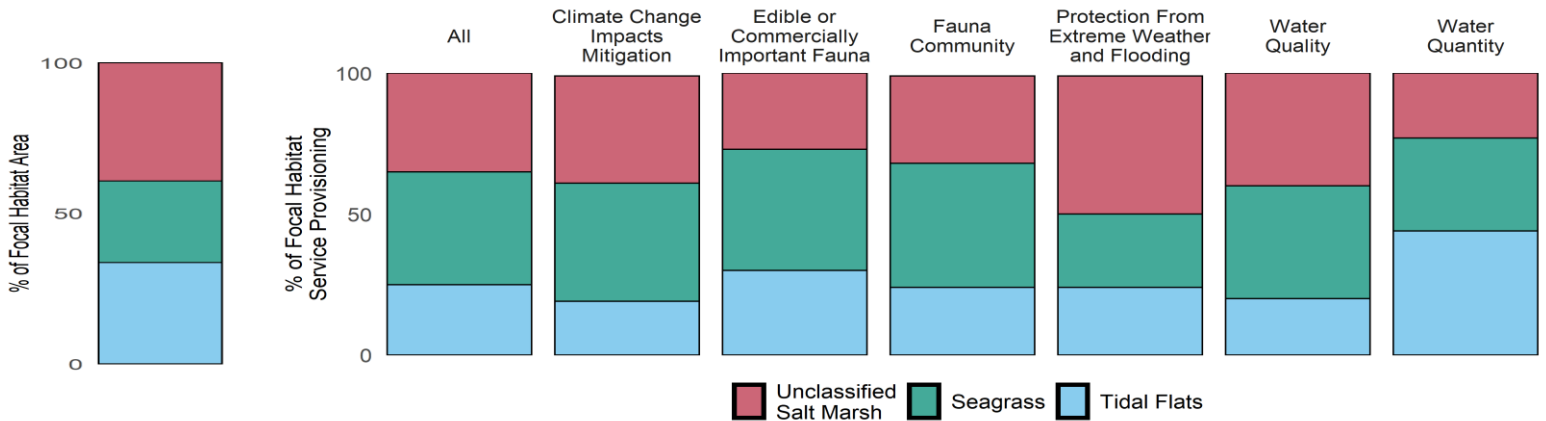
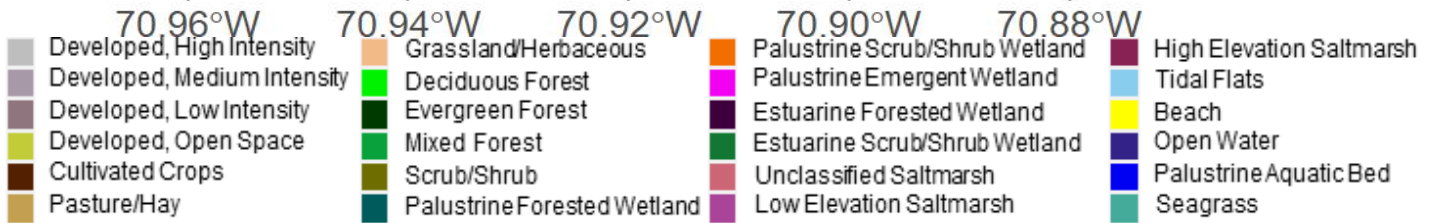
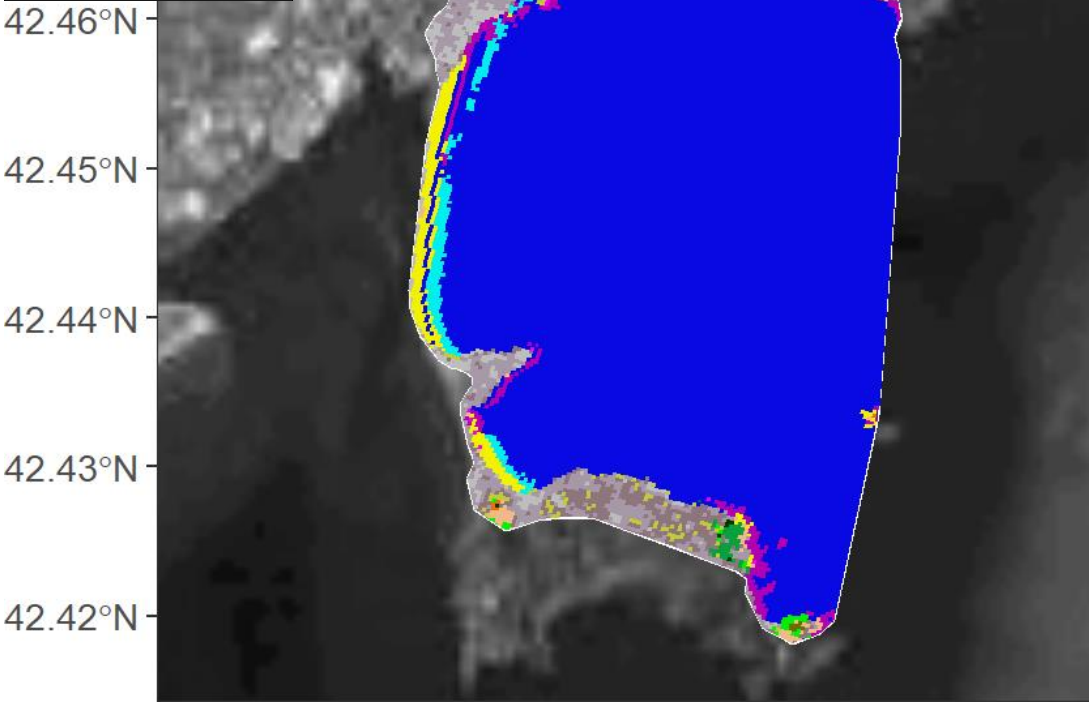


- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass



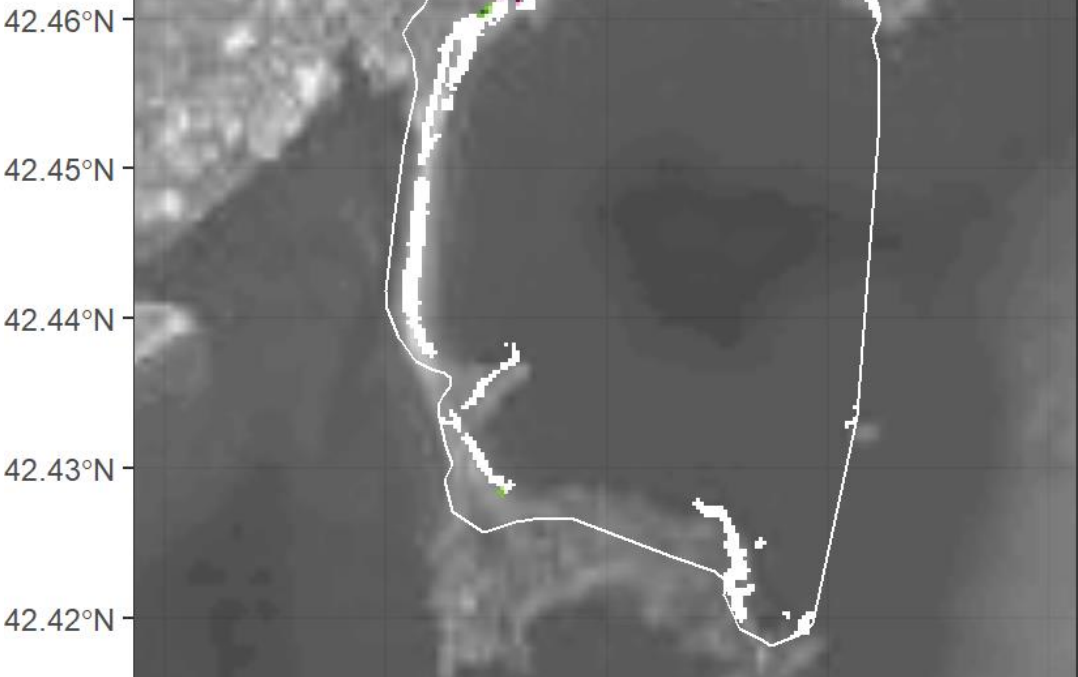
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,543.0	66.2	0	0	33.6	4.7	28.0
Percent Focal	5,348.7	100.0	0	0	50.7	7.1	42.3
Percent All	100.0	1.9	0	0	0.9	0.1	0.8

Nahant Bay - 2016

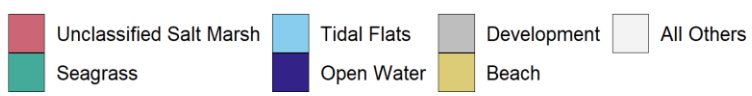
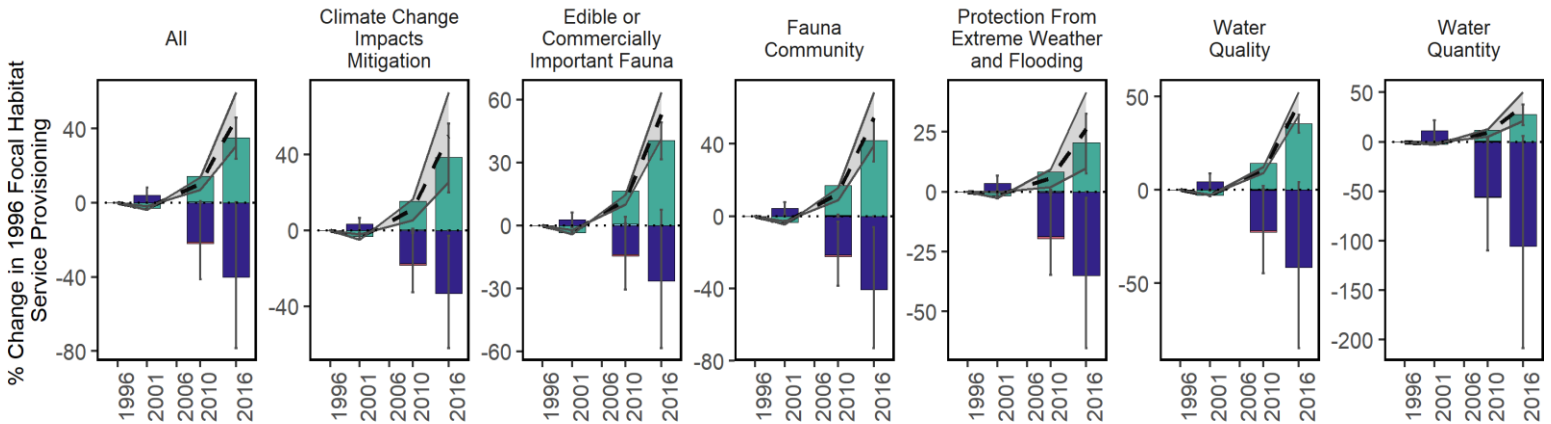
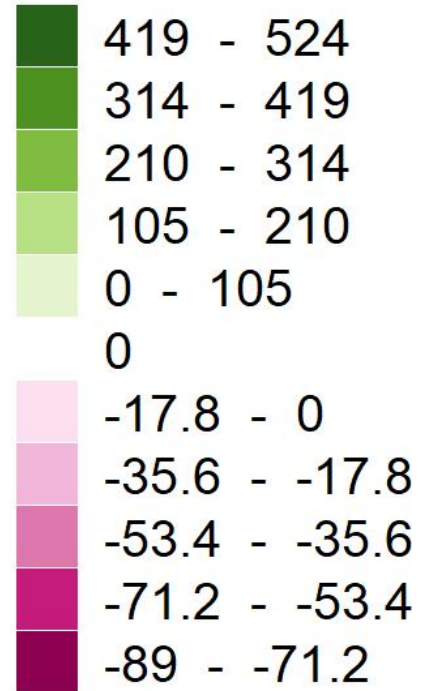


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,543.0	84.2	0	0	33.0	22.9	28.4
Percent Focal	4,205.8	100.0	0	0	39.2	27.1	33.7
Percent All	100.0	2.4	0	0	0.9	0.6	0.8

Nahant Bay - Change 1996-2016

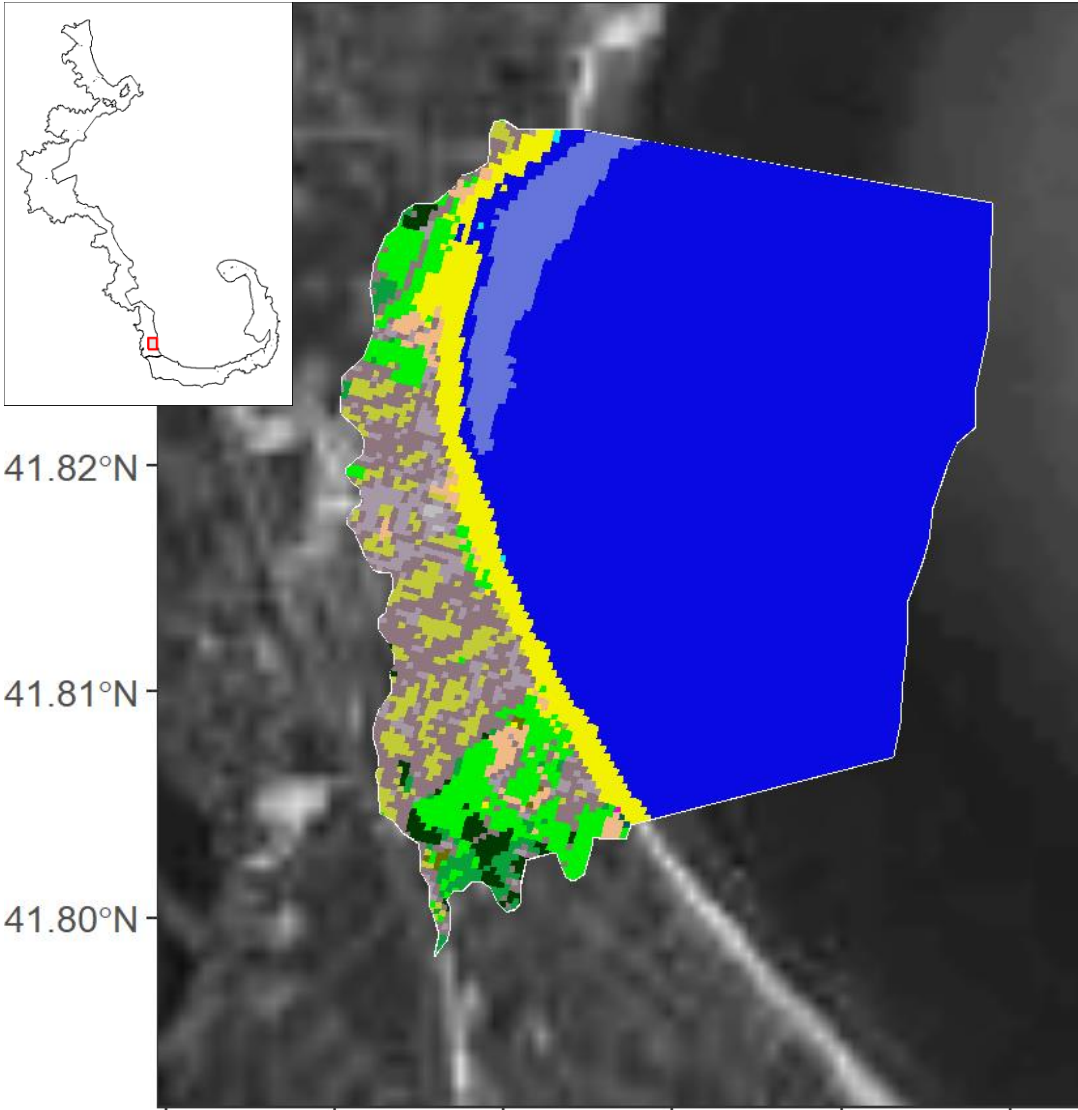


% Change

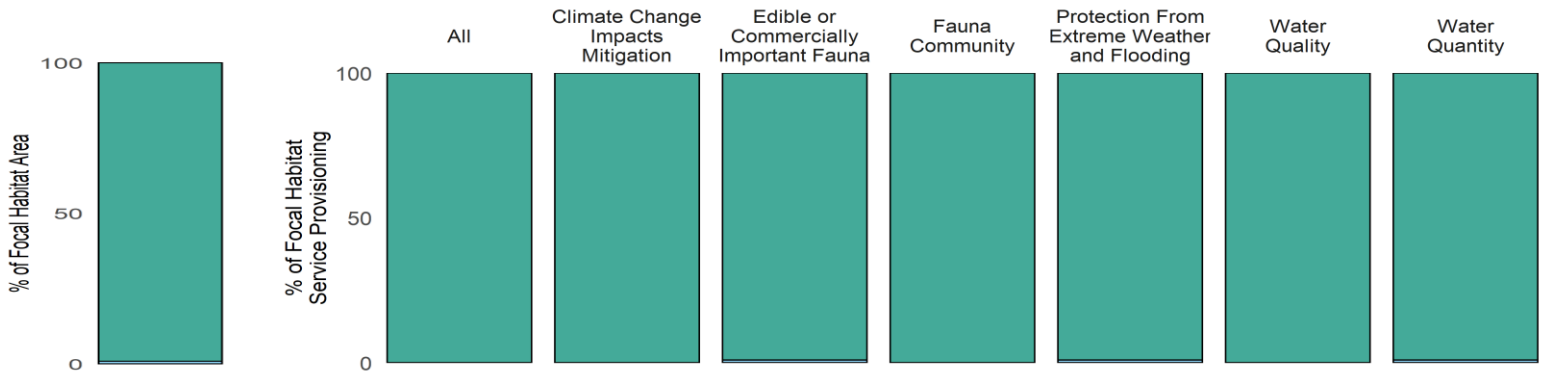


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Open Water	-0.5	-0.8	-83.4	-0.8
Unclassified Salt Marsh	Development	-0.1	-0.1	0.0	-0.1
Unclassified Salt Marsh	Beach	0.1	0.1	0.0	0.1
Tidal Flats	Beach	0.4	0.5	-0.1	0.5
Seagrass	Open Water	18.2	45.9	25.1	45.9

Nameloc Heights - 1996



- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

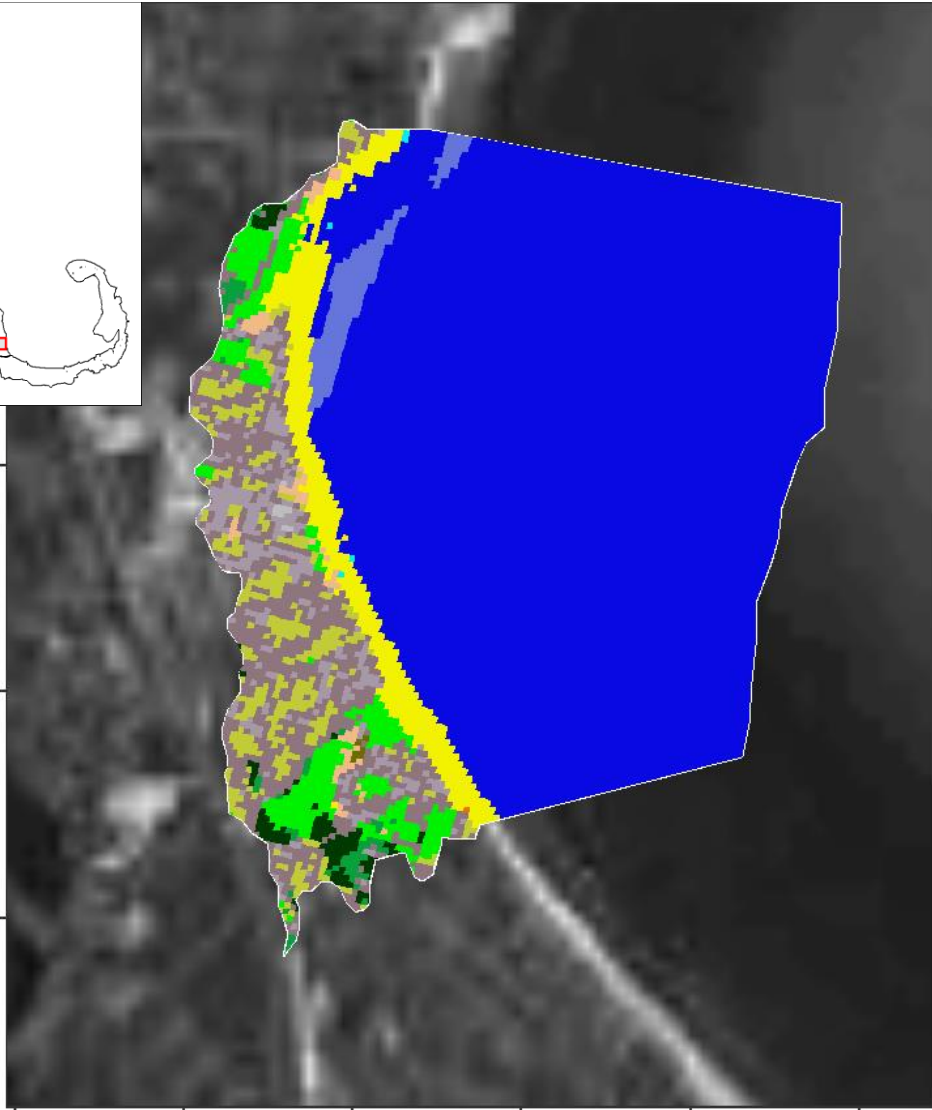


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,646.2	39.0	0	0	0	38.6	0.3
Percent Focal	4,223.3	100.0	0	0	0	99.1	0.9
Percent All	100.0	2.4	0	0	0	2.3	0.0

Nameloc Heights - 2016

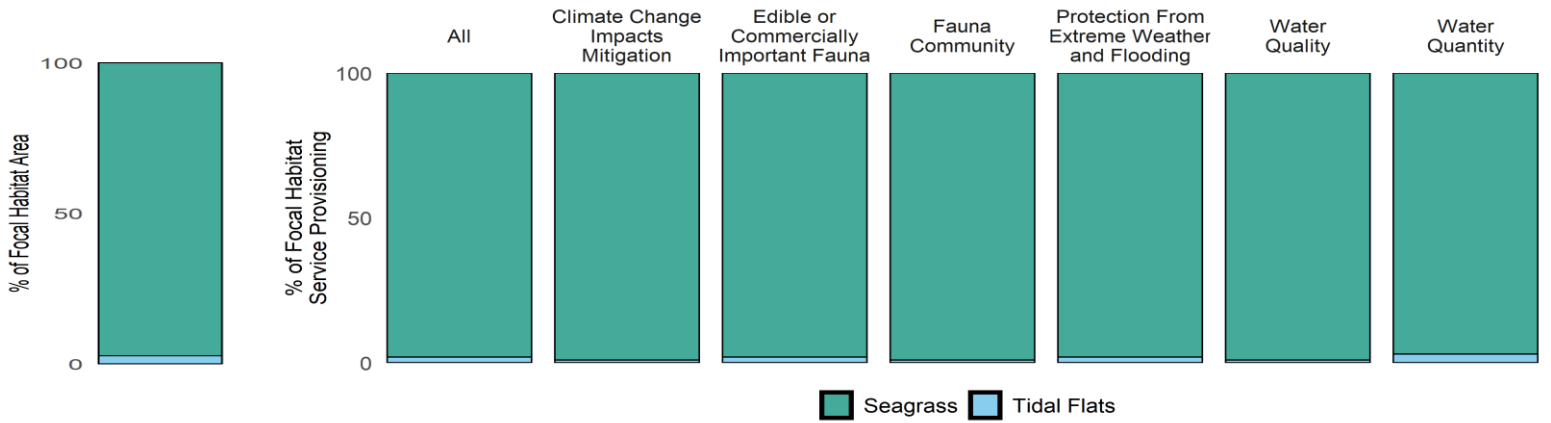


41.82°N
41.81°N
41.80°N



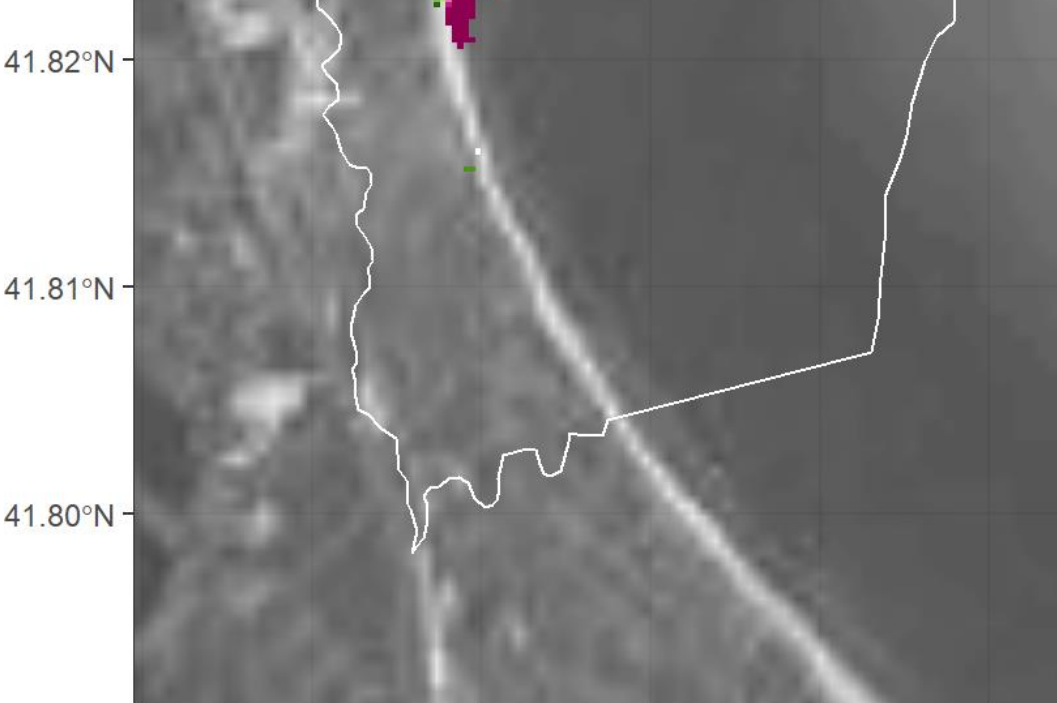
70.56°W 70.55°W 70.54°W 70.53°W 70.52°W 70.51°W

- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass

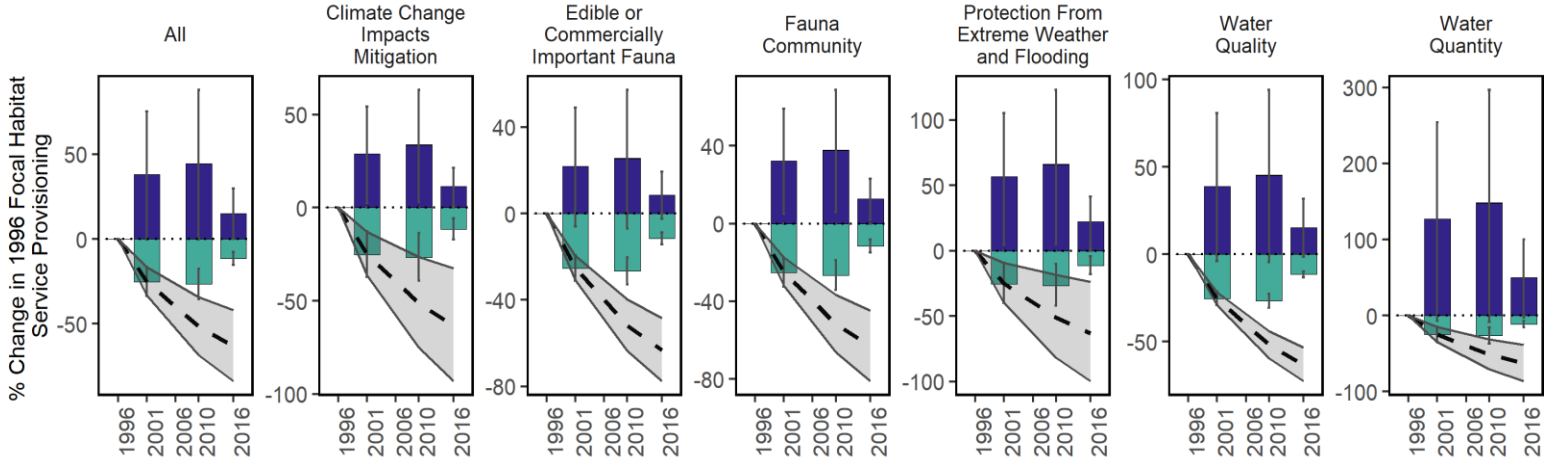
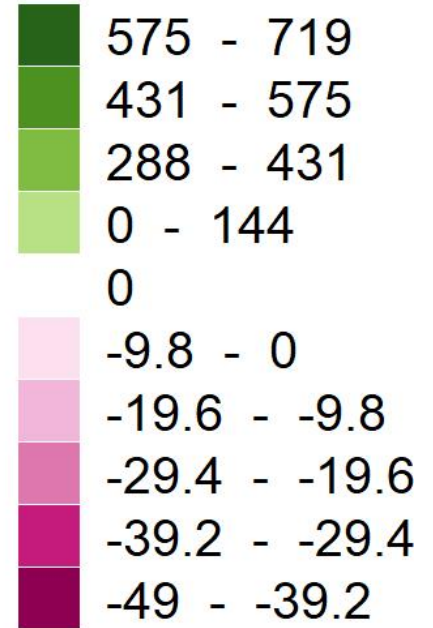


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,646.2	16.2	0	0	0	15.8	0.4
Percent Focal	10,155.7	100.0	0	0	0	97.3	2.7
Percent All	100.0	1.0	0	0	0	1.0	0.0

Nameloc Heights - Change 1996-2016



% Change



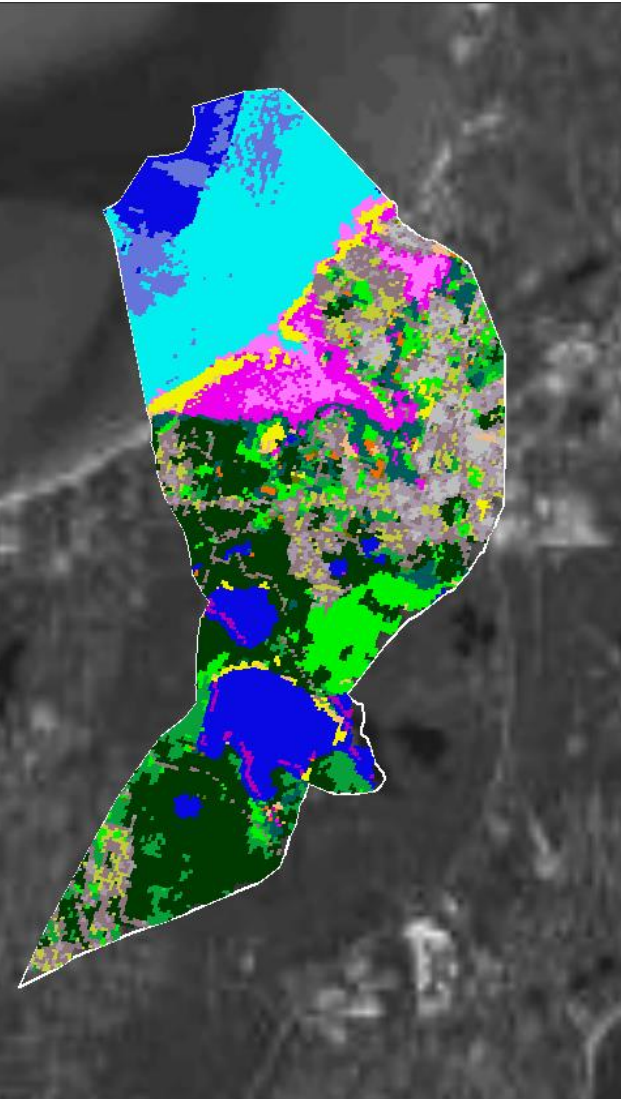
■ Seagrass
 ■ Tidal Flats
 ■ Open Water
 ■ Beach
 ■ All Others

Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-22.9	-63.5	97.6	-63.5
Tidal Flats	Beach	0.1	0.2	0.0	0.2
Seagrass	Beach	0.1	0.2	0.0	0.2

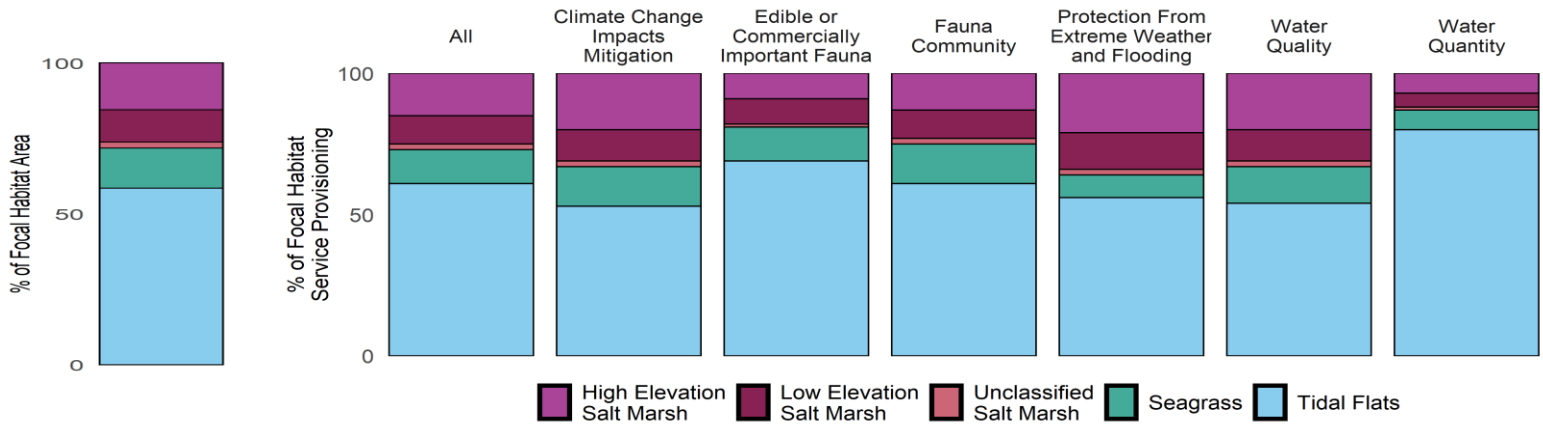
Namskaket Creek / Little Namskaket Creek - 1996



41.78°N
41.76°N
41.74°N

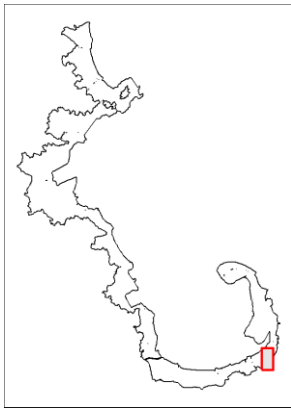


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

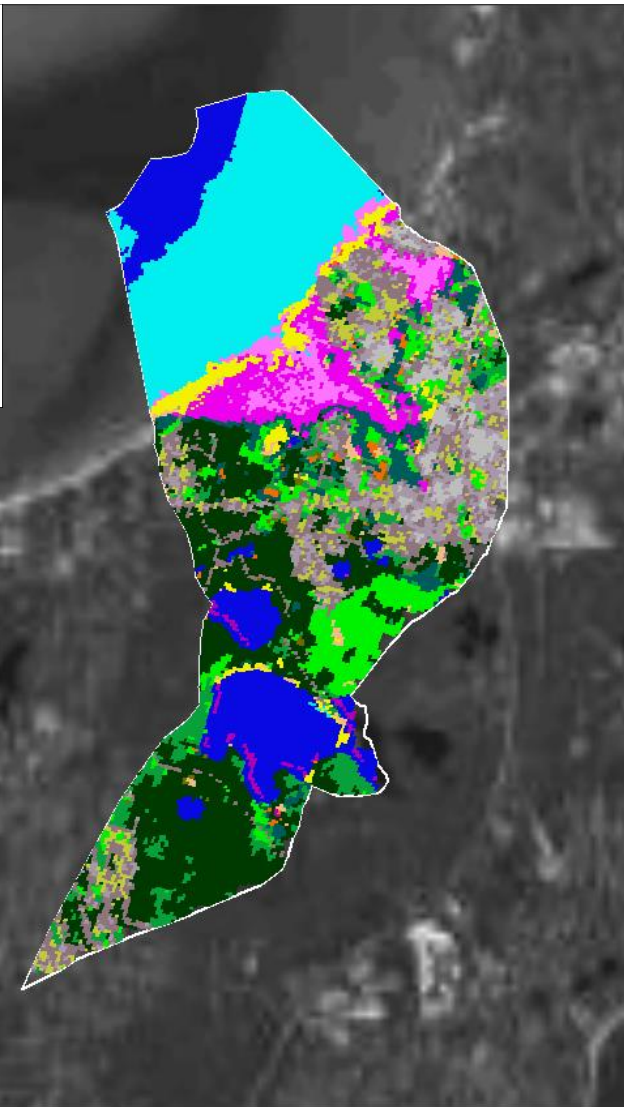


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,950.1	453.3	70.3	48.3	8.9	60.3	265.4
Percent Focal	650.8	100.0	15.5	10.7	2.0	13.3	58.6
Percent All	100.0	15.4	2.4	1.6	0.3	2.0	9.0

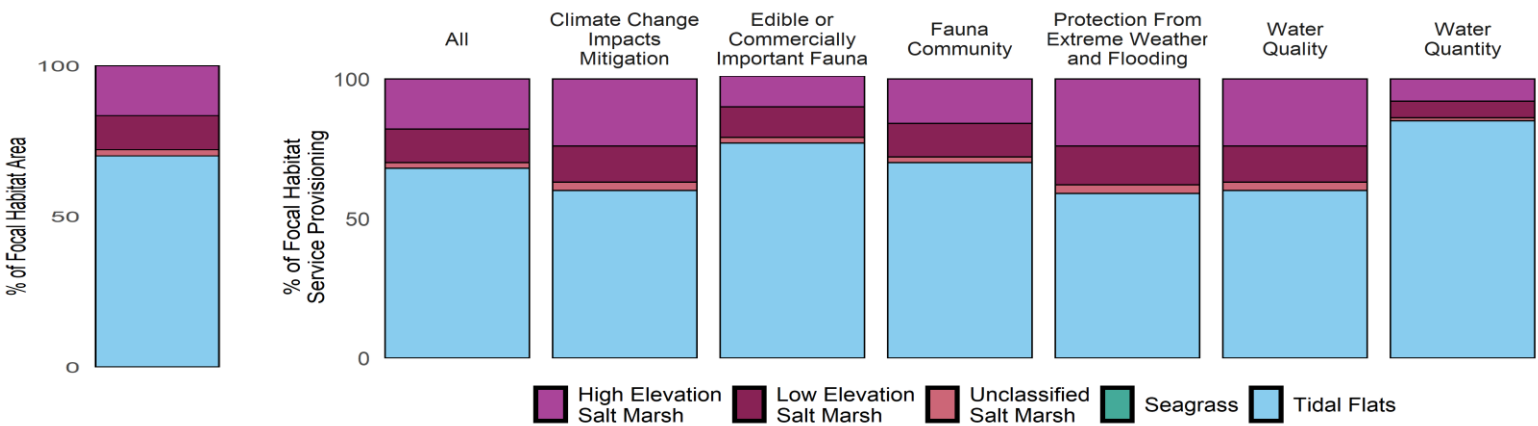
Namskaket Creek / Little Namskaket Creek - 2016



41.78°N
41.76°N
41.74°N

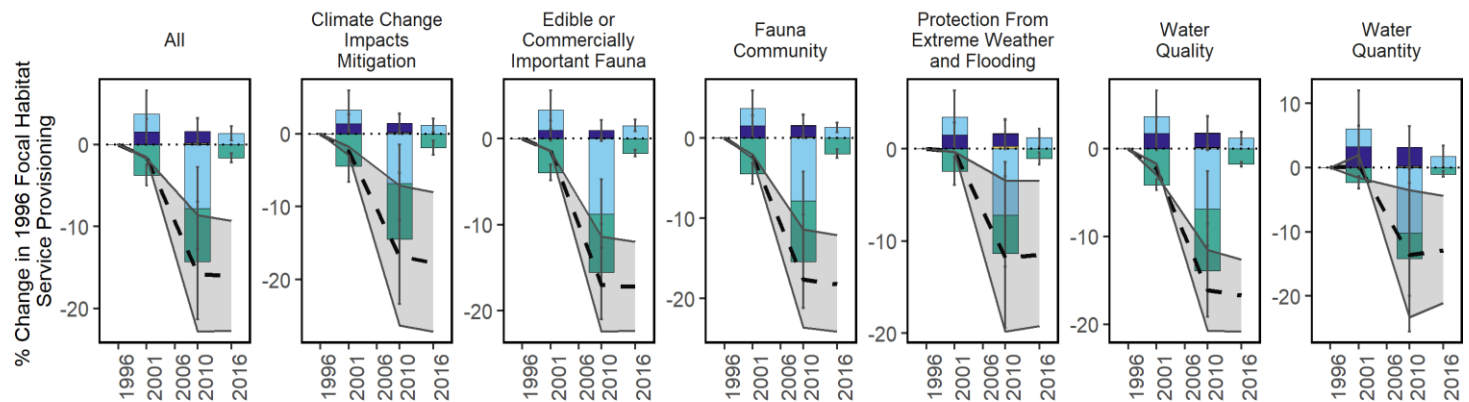
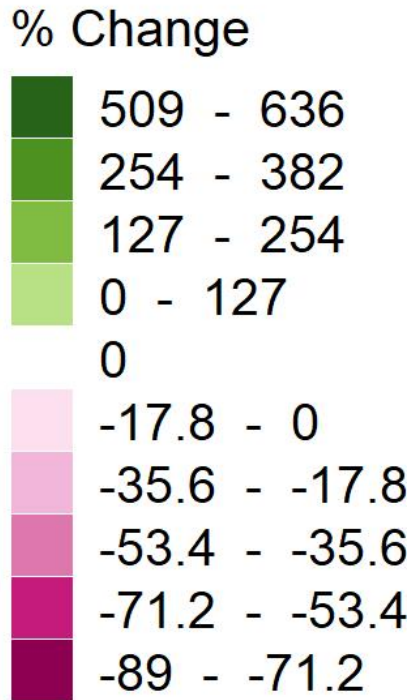
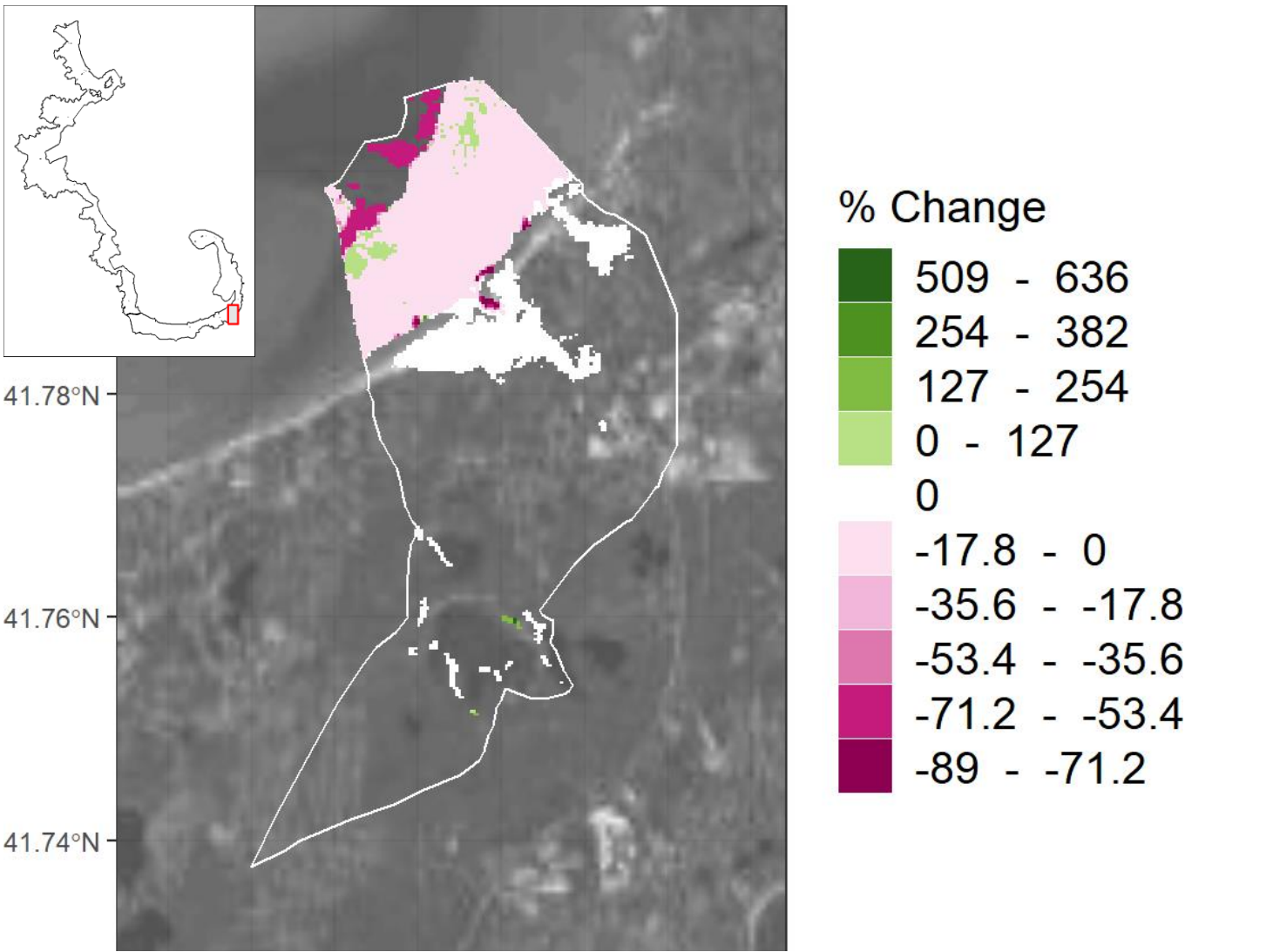


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Developed, Open Space
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Cultivated Crops
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass
- Pasture/Hay



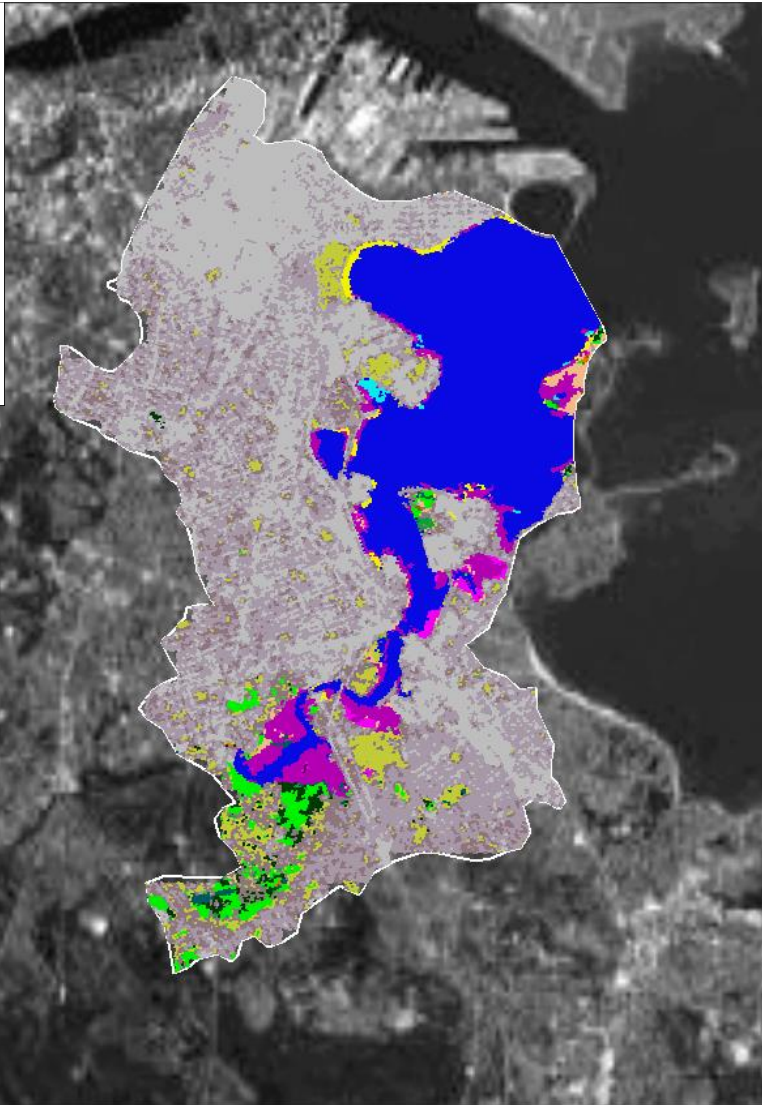
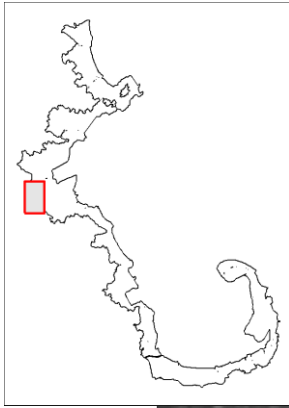
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,950.1	426.2	70.3	48.3	9.1	0	298.5
Percent Focal	692.2	100.0	16.5	11.3	2.1	0	70.0
Percent All	100.0	14.4	2.4	1.6	0.3	0	10.1

Namskaket Creek / Little Namskaket Creek - Change 1996-2016

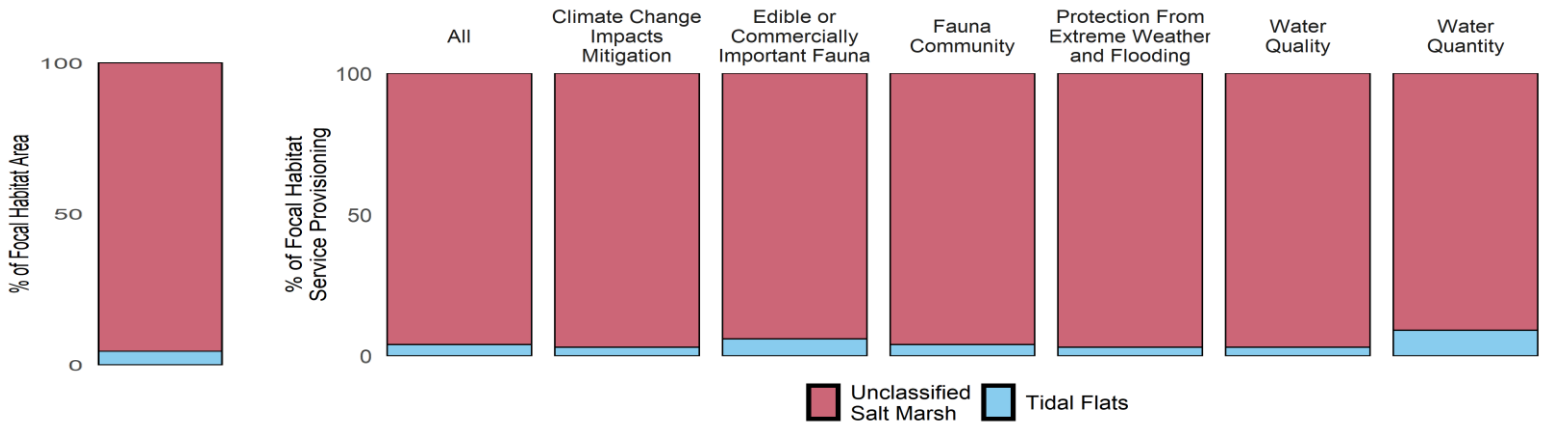


Focal Habitat	Conversion Habitat	Area Converted (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Tidal Flats	-35.7	-7.0	-13.3	-20.3
Seagrass	Open Water	-24.6	-4.8	3.1	-4.8
Tidal Flats	Beach	-2.3	7.3	0.1	7.3
Tidal Flats	All Others	-0.8	2.1	0.1	2.1
Unclassified Salt Marsh	All Others	0.2	0.0	0.0	0.0
Tidal Flats	Open Water	0.4	-0.4	-0.1	-0.4

Neponset River / Dorchester Bay - 1996

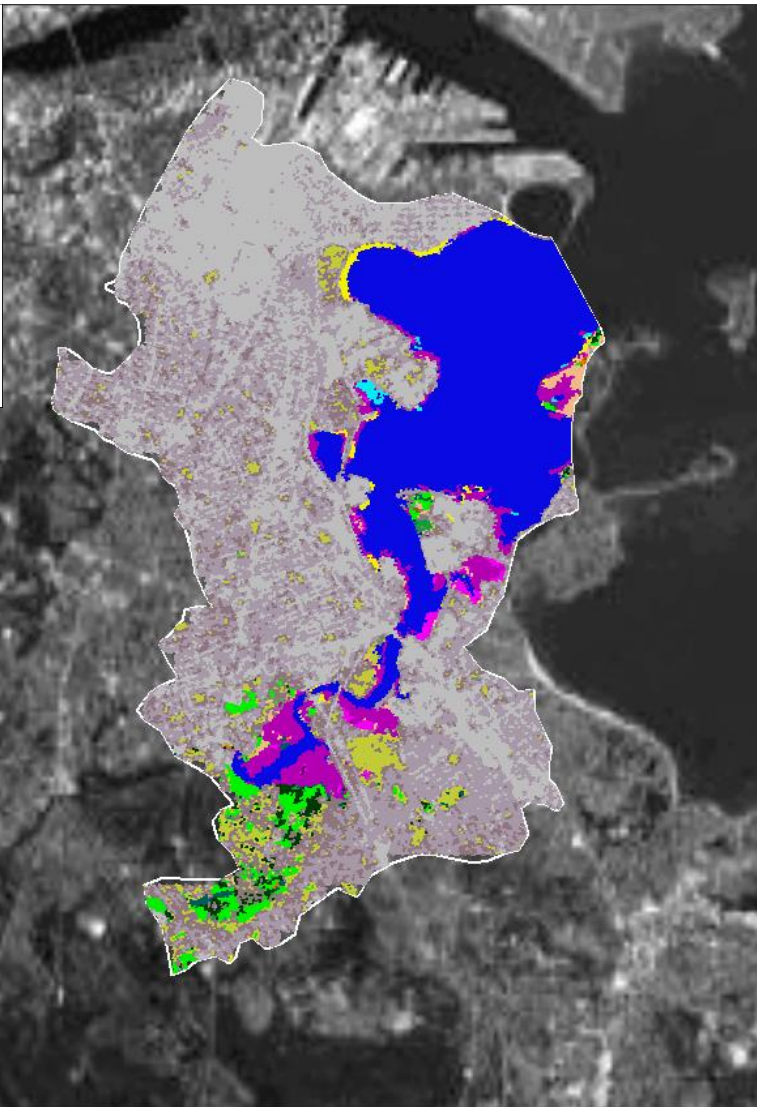
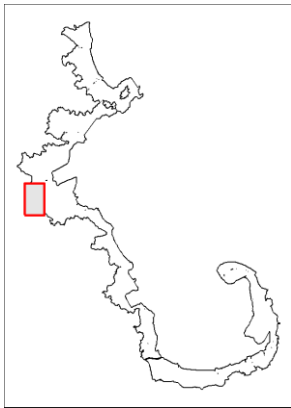


- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass

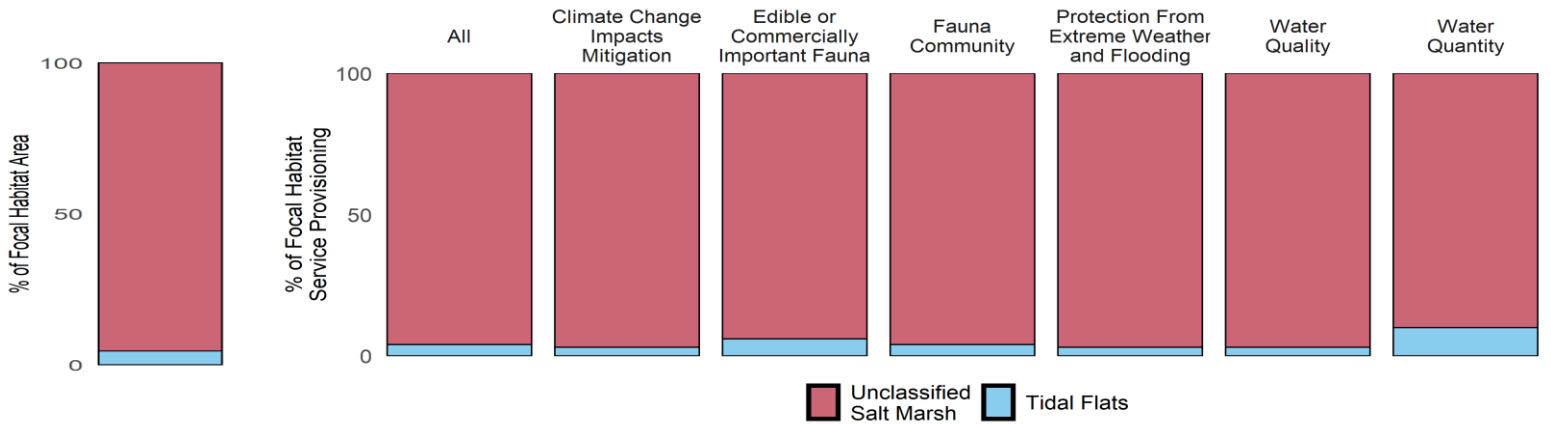


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	8,751.8	174.6	0	0	166.7	0	7.9
Percent Focal	5,012.2	100.0	0	0	95.5	0	4.5
Percent All	100.0	2.0	0	0	1.9	0	0.1

Neponset River / Dorchester Bay - 2016

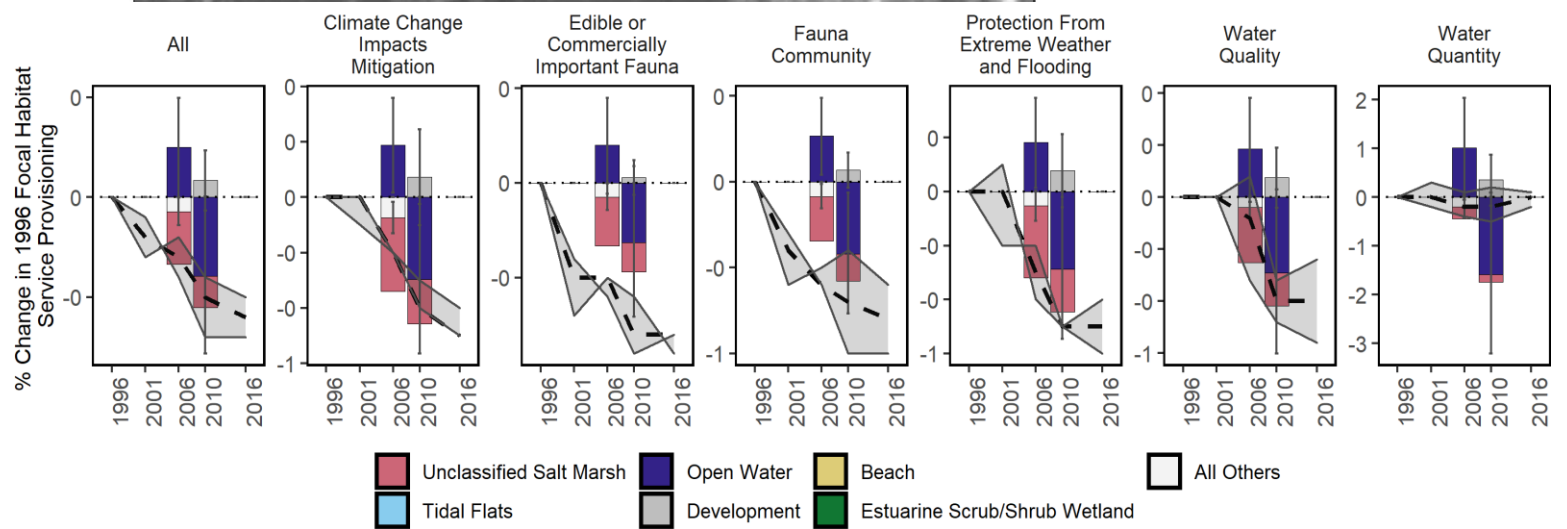
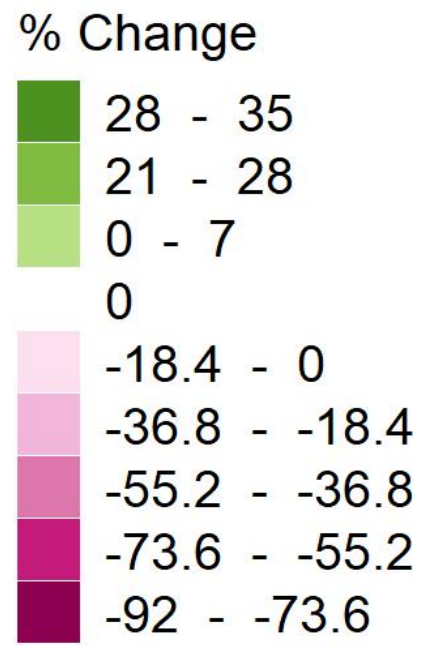
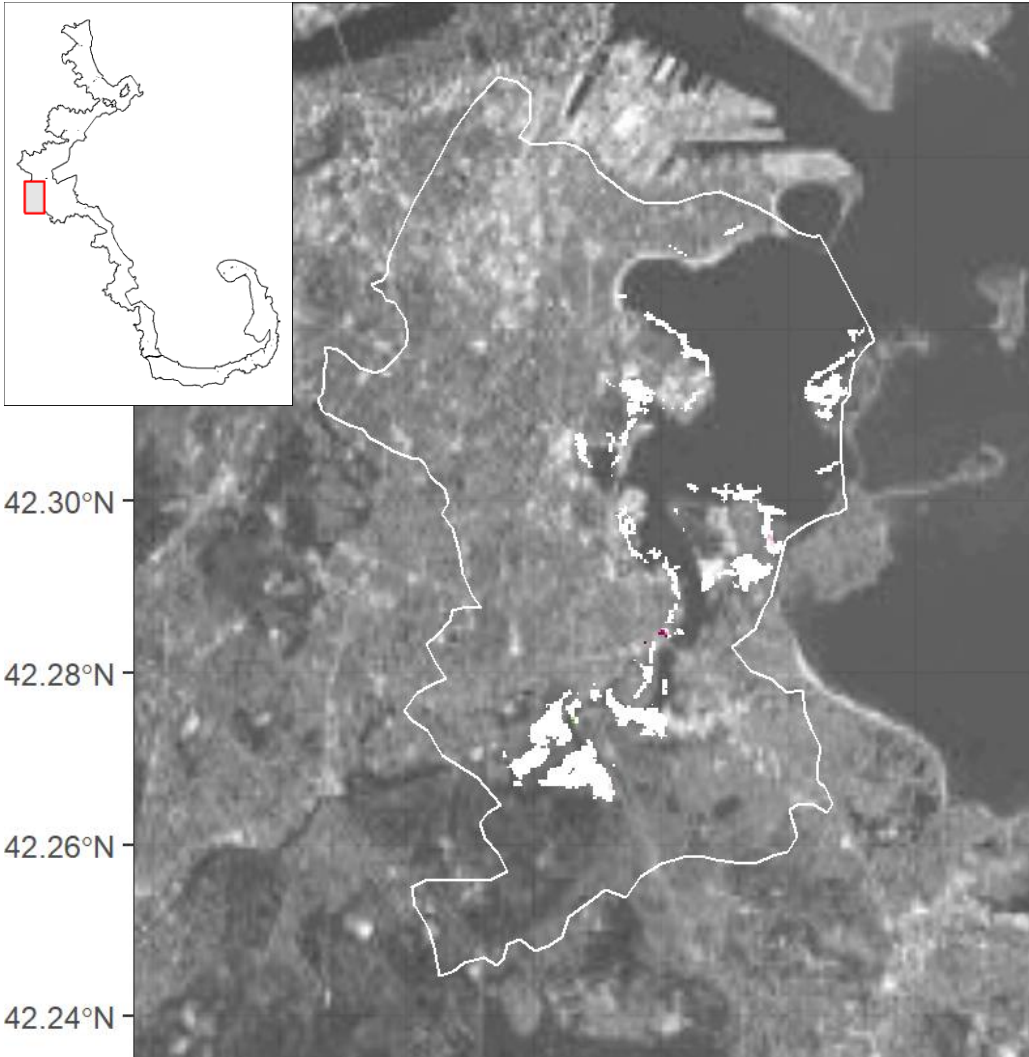
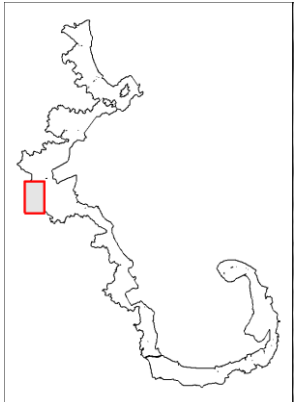


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	8,751.8	173.9	0	0	166.0	0	7.9
Percent Focal	5,032.9	100.0	0	0	95.4	0	4.6
Percent All	100.0	2.0	0	0	1.9	0	0.1

Neponset River / Dorchester Bay - Change 1996-2016

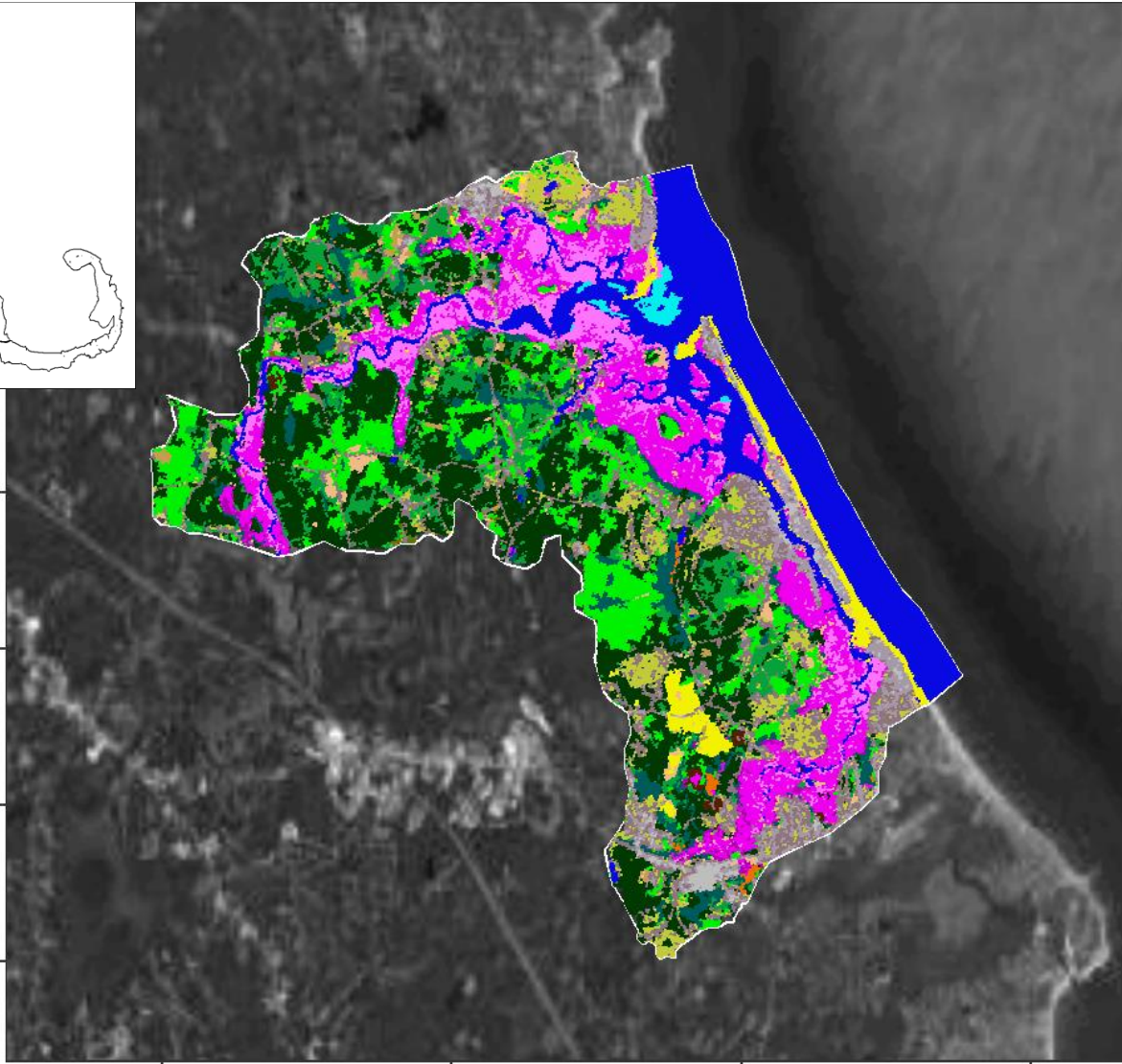


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Development	-0.4	-0.3	0.1	-0.3
Unclassified Salt Marsh	Open Water	-0.4	-0.2	-0.1	-0.2
Unclassified Salt Marsh	All Others	0.1	0.0	-0.1	0.0

North River / South River - 1996

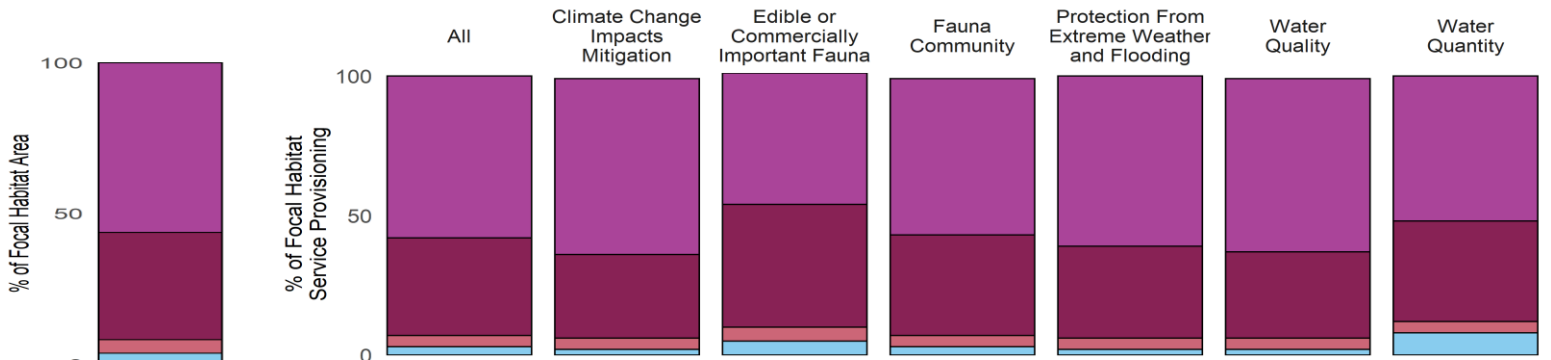


42.14°N
42.12°N
42.10°N
42.08°N



70.80°W 70.75°W 70.70°W 70.65°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Scrub/Shrub
- Unclassified Saltmarsh
- Seagrass
- Palustrine Forested Wetland
- Low Elevation Saltmarsh



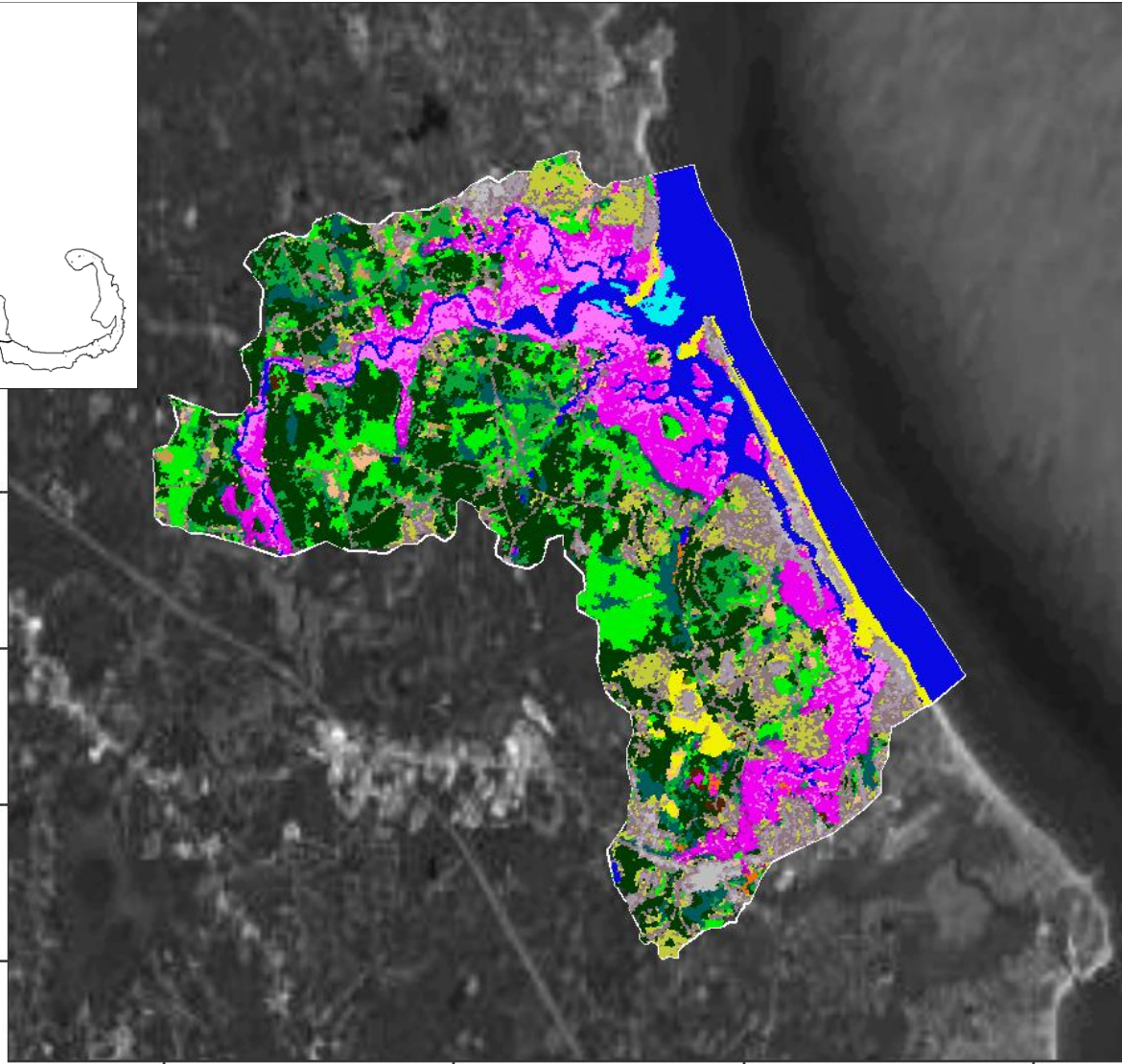
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh
- Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	11,008.6	1,002.7	564.7	357.3	44.4	0	36.3
Percent Focal	1,097.9	100.0	56.3	35.6	4.4	0	3.6
Percent All	100.0	9.1	5.1	3.2	0.4	0	0.3

North River / South River - 2016

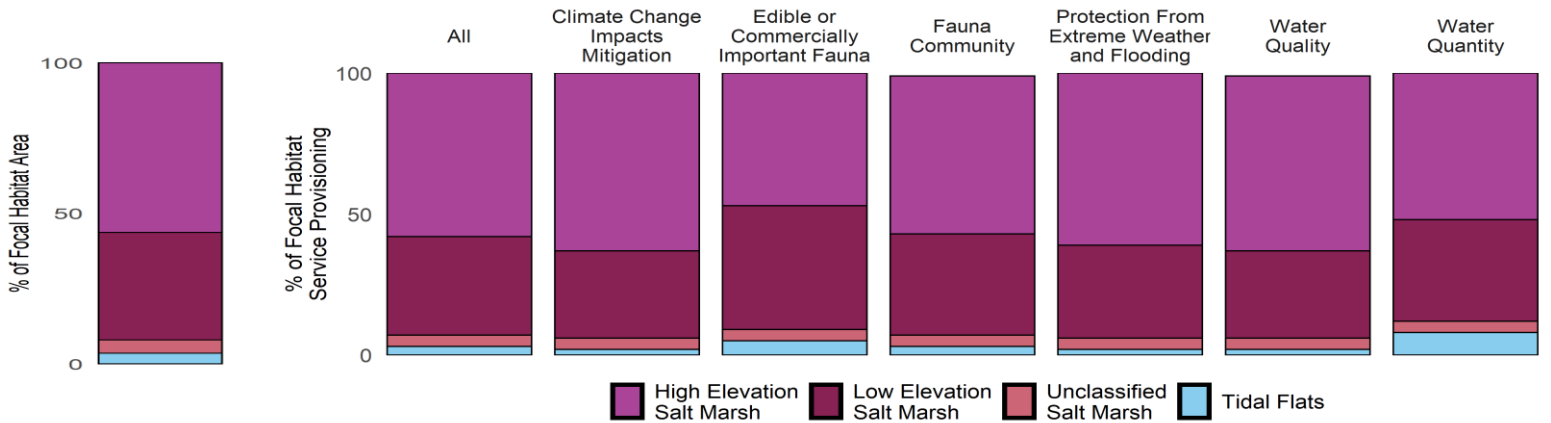


42.14°N
42.12°N
42.10°N
42.08°N



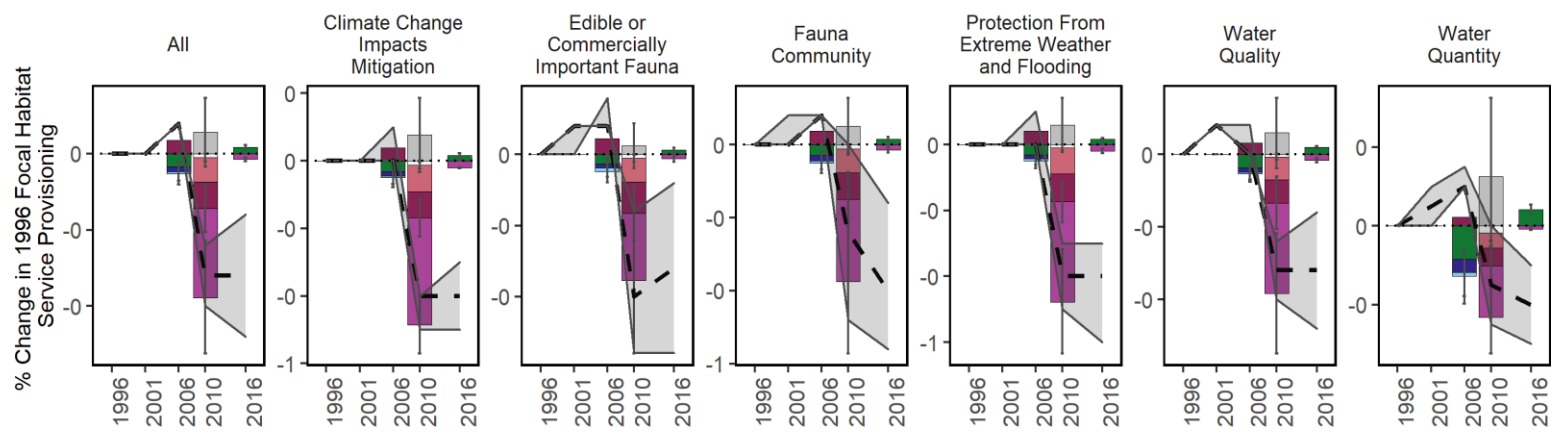
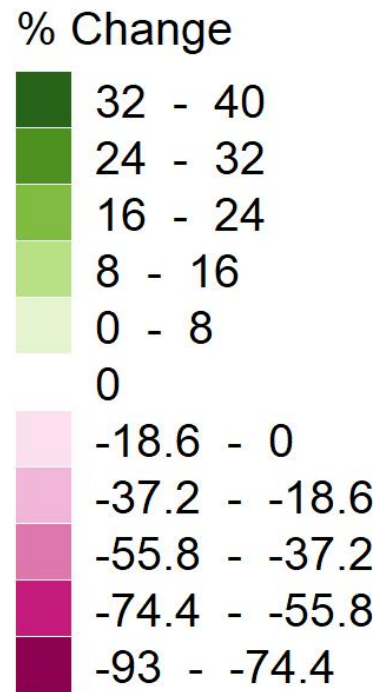
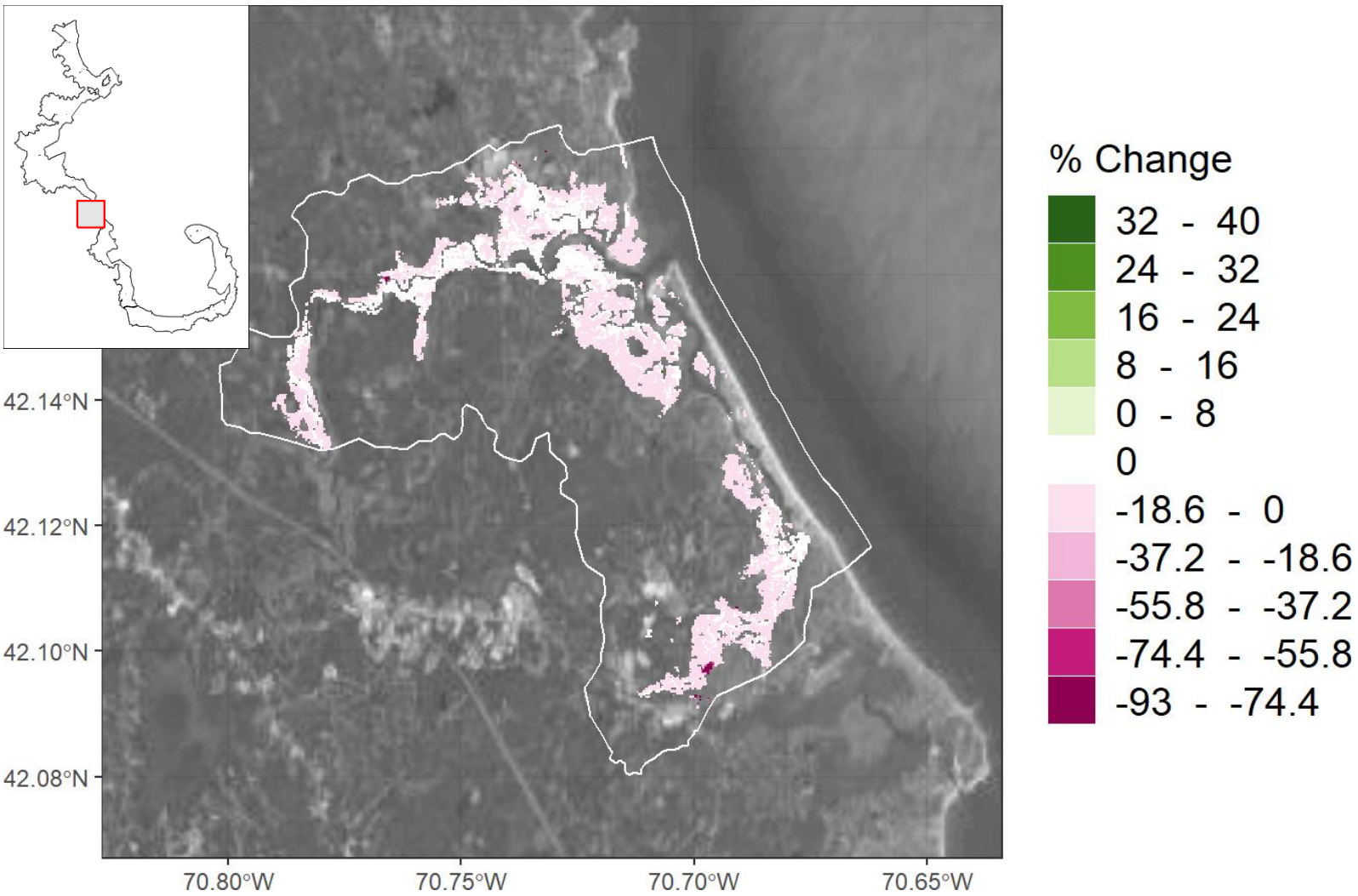
70.80°W 70.75°W 70.70°W 70.65°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Beach
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Open Water
- Palustrine Aquatic Bed
- Pasture/Hay
- Seagrass



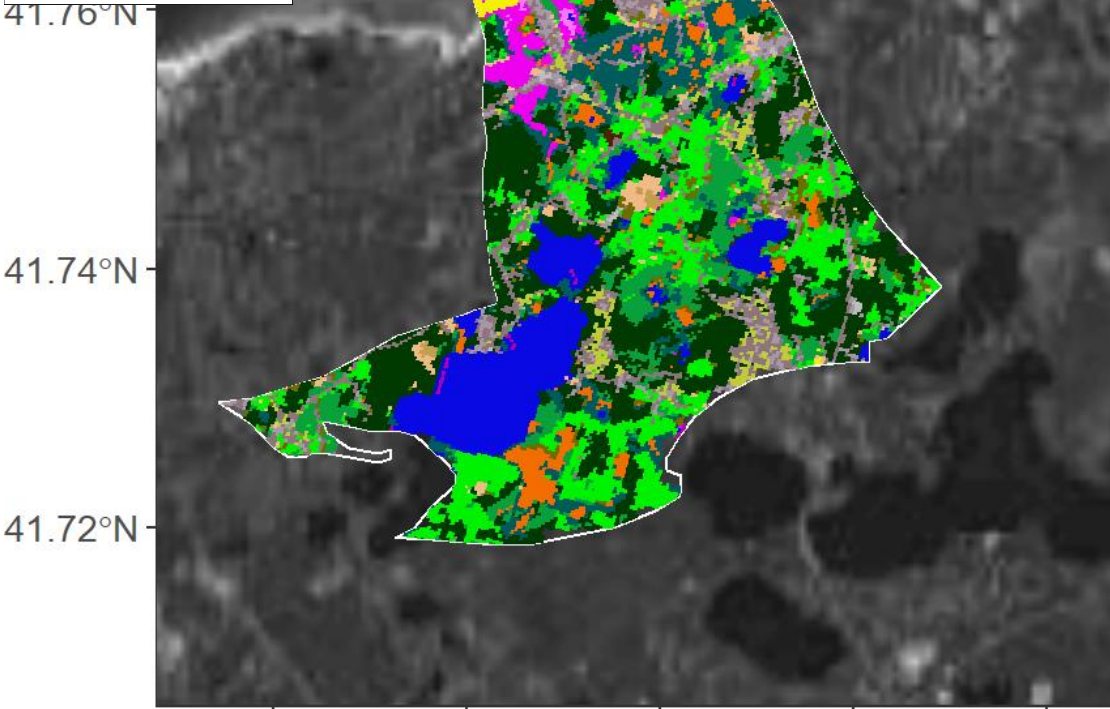
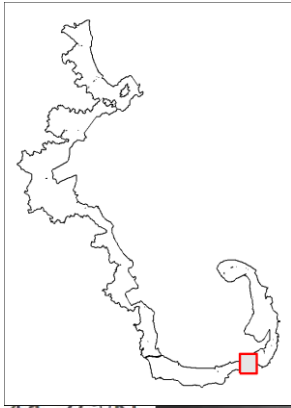
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	11,008.6	998.4	561.7	356.9	43.6	0	36.2
Percent Focal	1,102.7	100.0	56.3	35.7	4.4	0	3.6
Percent All	100.0	9.1	5.1	3.2	0.4	0	0.3

North River / South River - Change 1996-2016

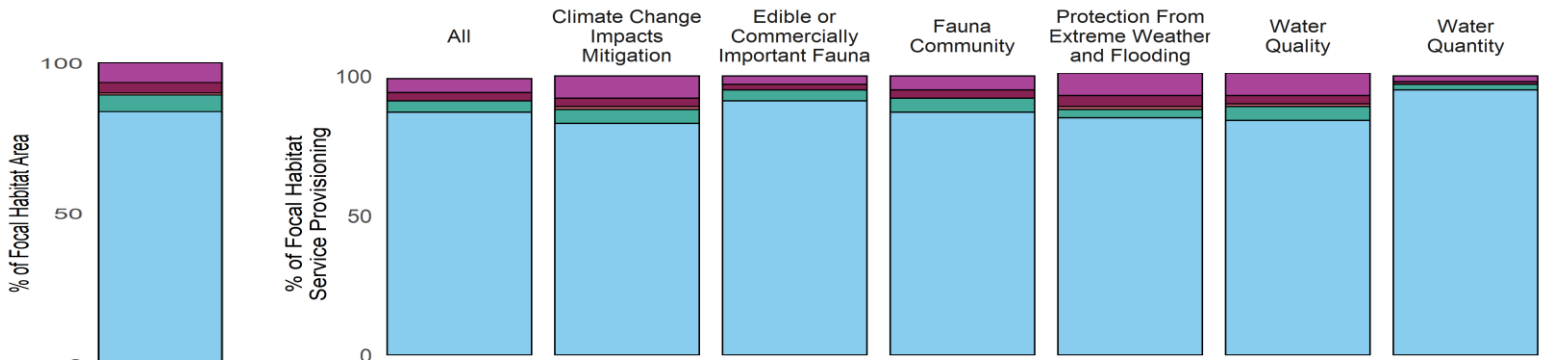


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Development	-2.9	-0.3	0	-0.3
Low Elev. Salt Marsh	Development	-0.9	-0.1	0	-0.1
Unclassified Salt Marsh	Development	-0.8	-0.1	0	-0.1
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.2	0.0	0	0.0
Tidal Flats	Open Water	-0.1	0.0	0	0.0
High Elev. Salt Marsh	All Others	0.1	0.0	0	0.0
Low Elev. Salt Marsh	Open Water	0.1	0.0	0	0.0
Low Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	0.4	0.0	0	0.0

Paine's Creek / Stony Brook - 1996



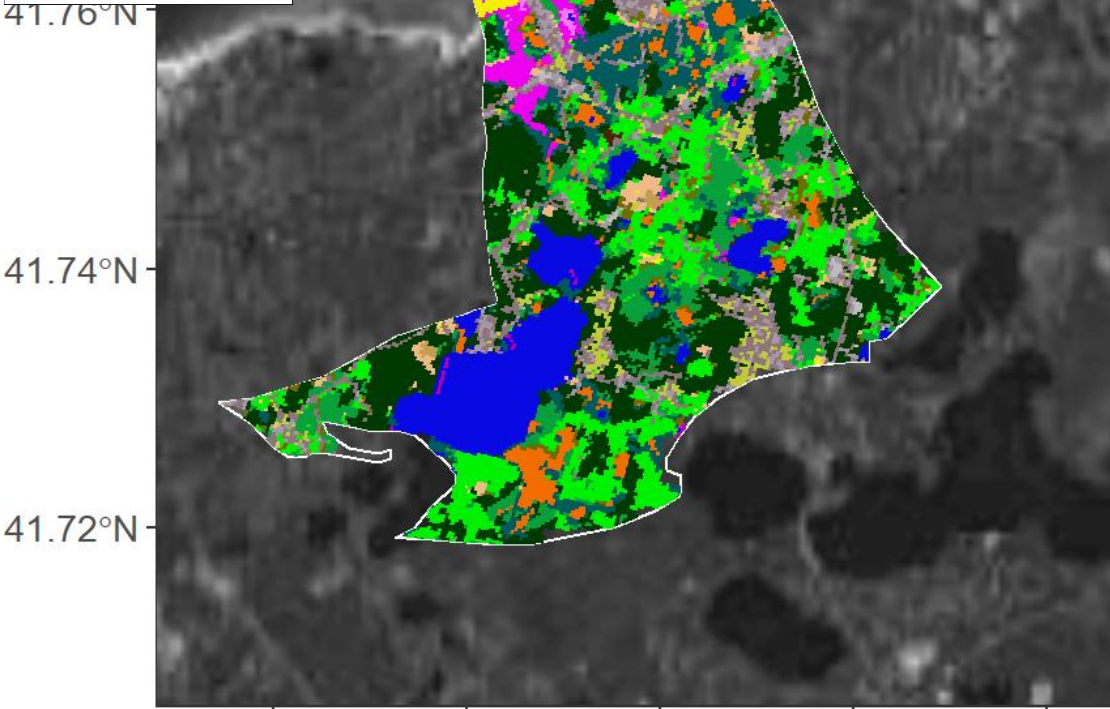
- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



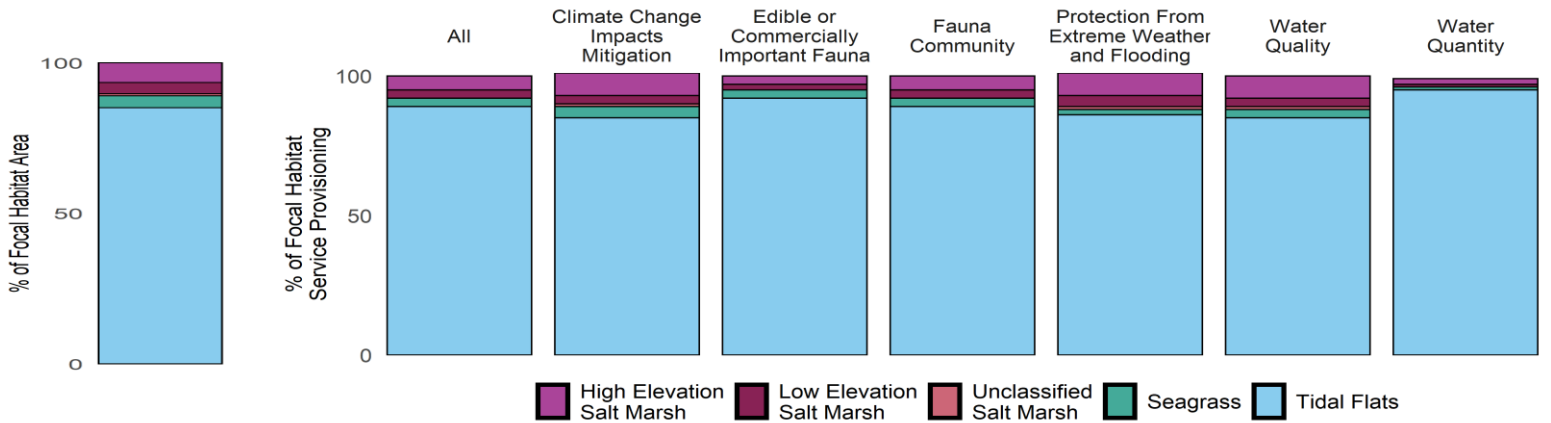
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh
- Seagrass
- Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,422.7	390.1	25.4	13.5	2.5	21.6	327.0
Percent Focal	877.4	100.0	6.5	3.5	0.7	5.5	83.8
Percent All	100.0	11.4	0.7	0.4	0.1	0.6	9.6

Paine's Creek / Stony Brook - 2016



- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

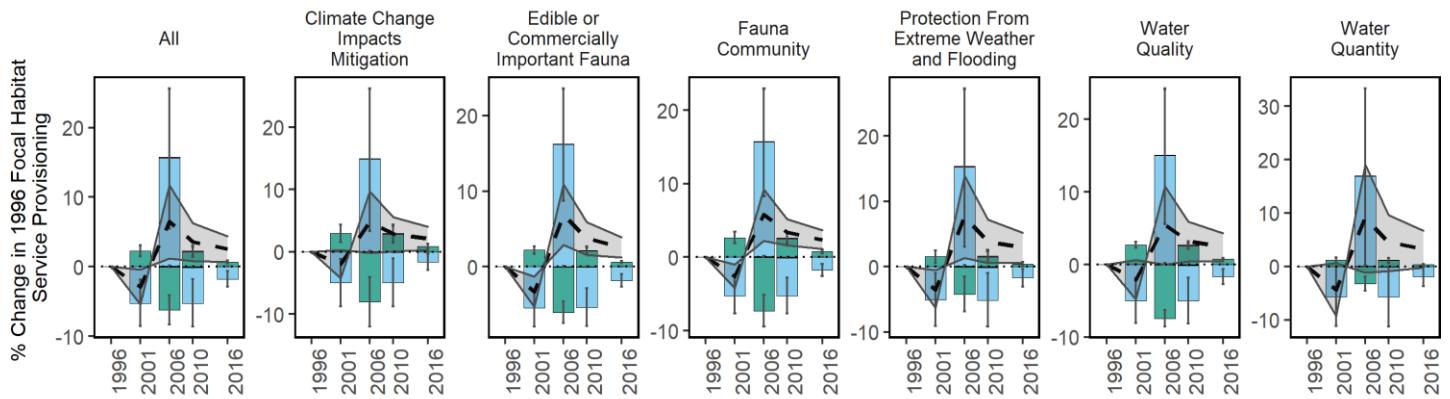
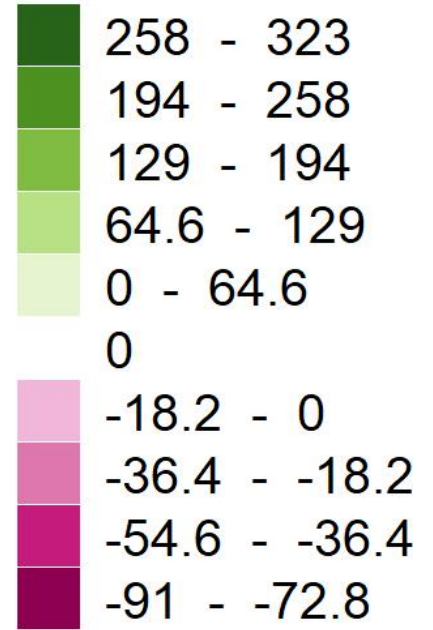


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,422.7	390.2	25.4	14.4	2.5	15.6	332.2
Percent Focal	877.2	100.0	6.5	3.7	0.7	4.0	85.1
Percent All	100.0	11.4	0.7	0.4	0.1	0.5	9.7

Paine's Creek / Stony Brook - Change 1996-2016

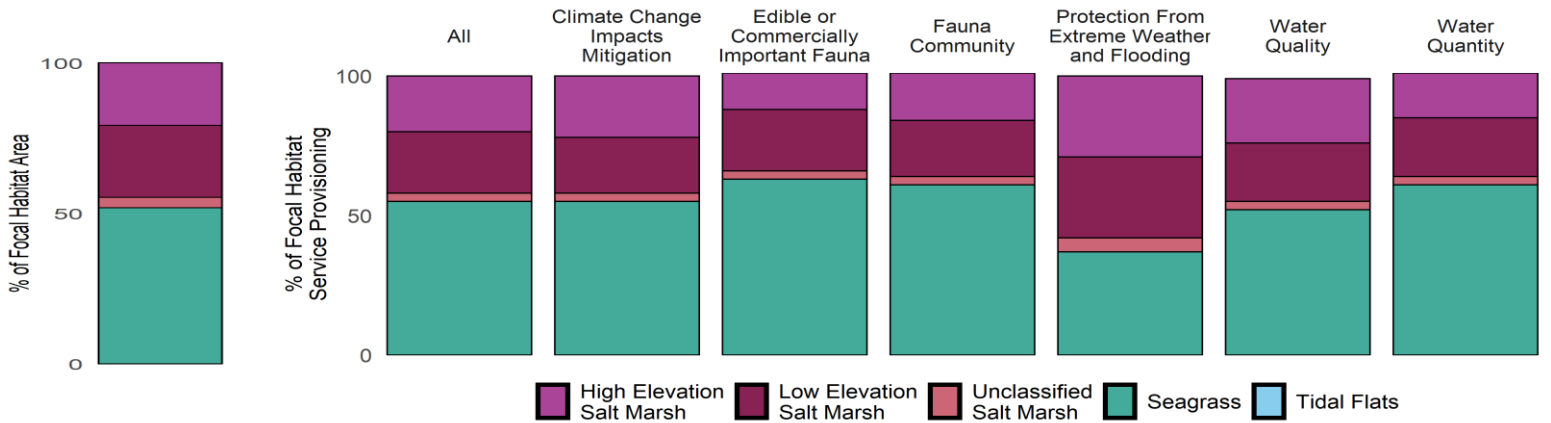
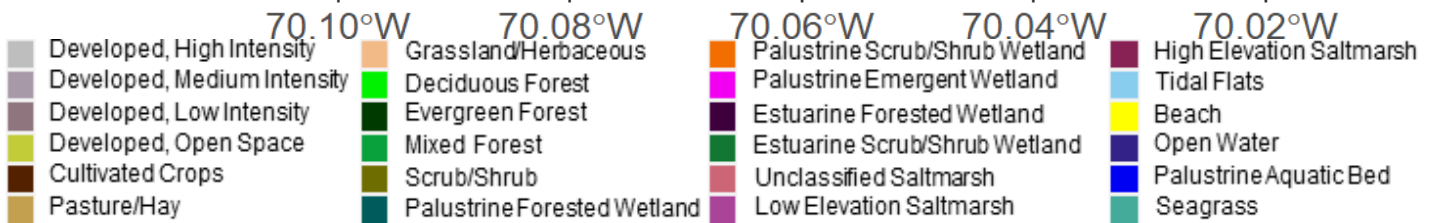
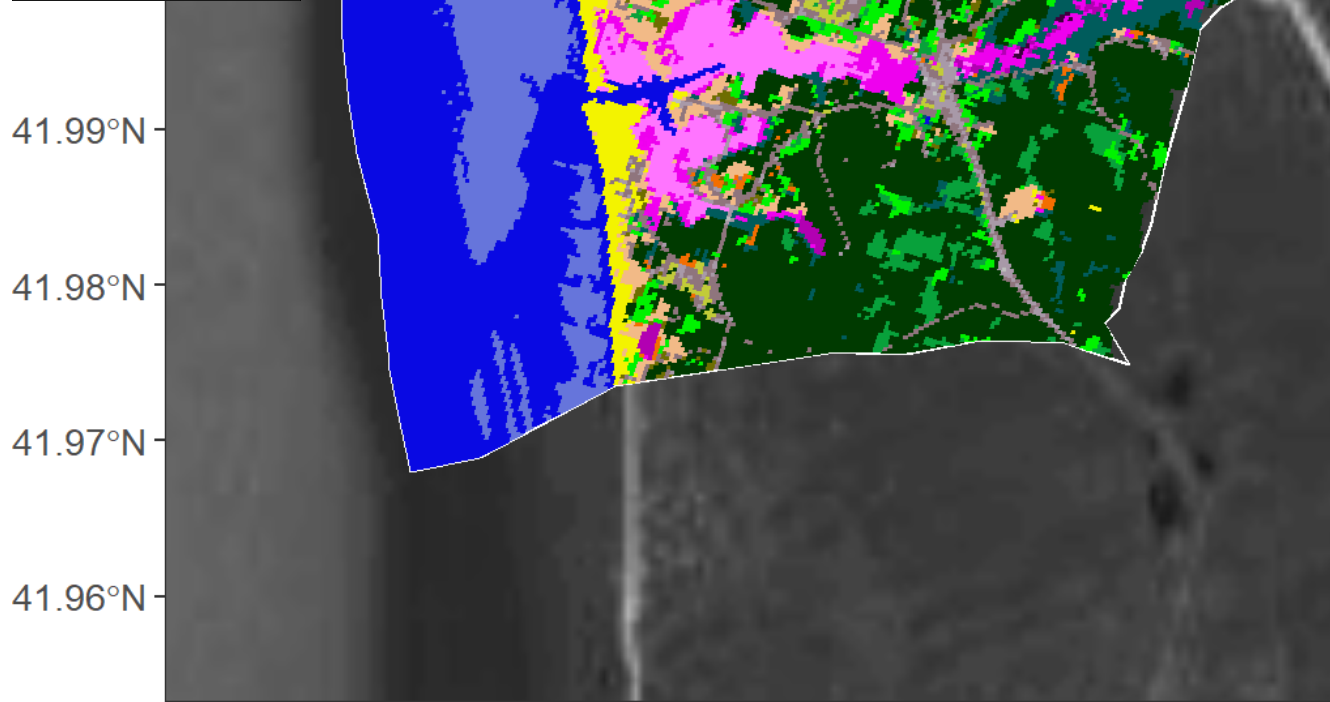


% Change



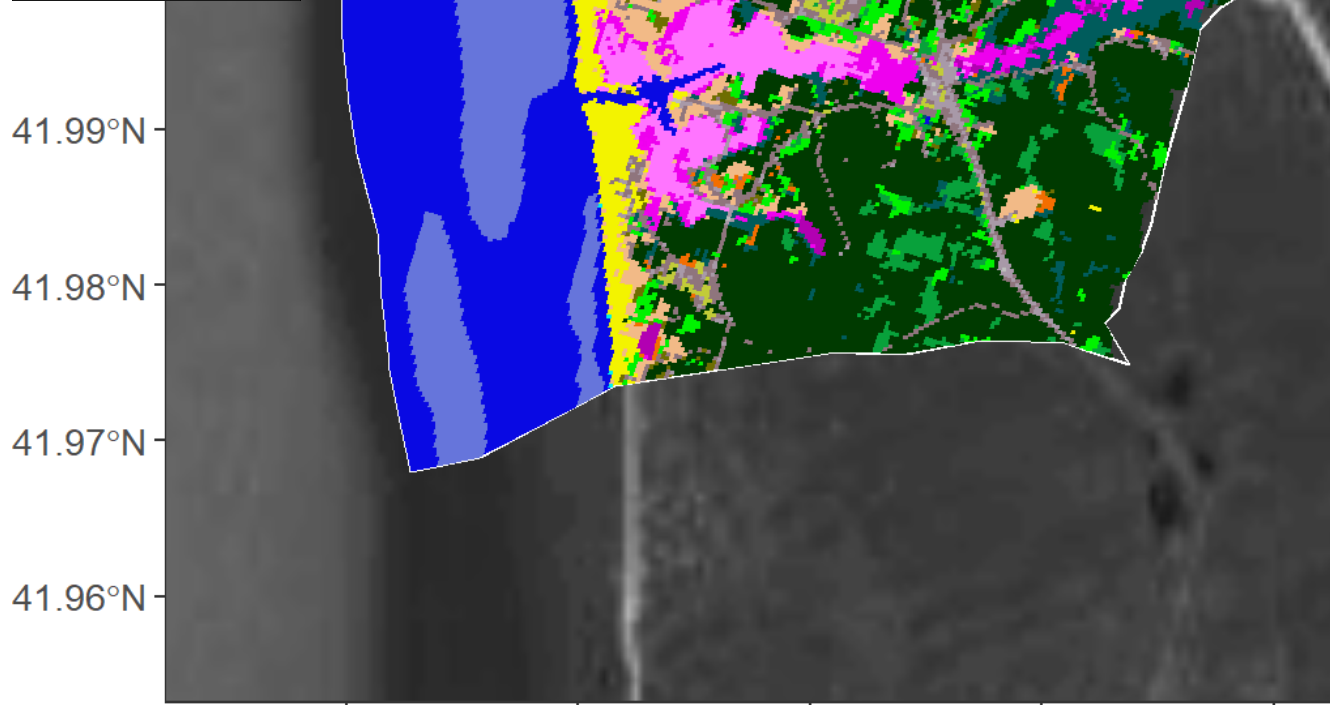
Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Tidal Flats	-6.0	-1.1	6.0	4.9
Tidal Flats	Low Elev. Salt Marsh	-0.8	-1.7	0.2	-1.5
Tidal Flats	Beach	-0.4	-0.6	0.0	-0.6
Tidal Flats	All Others	-0.2	-0.5	0.0	-0.5
Low Elev. Salt Marsh	Development	-0.1	-0.1	0.0	-0.1
Low Elev. Salt Marsh	Open Water	0.2	0.0	0.0	0.0
Tidal Flats	Open Water	0.5	0.2	-0.1	0.2

Pamet River / Little Pamet River - 1996

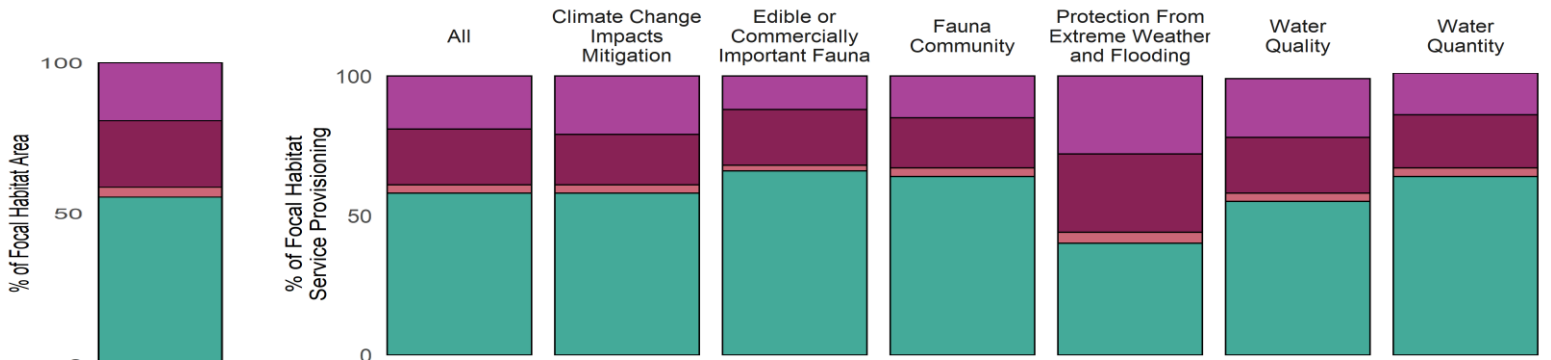


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,744.8	344.4	71.5	82.2	12.2	178.6	0
Percent Focal	1,087.5	100.0	20.8	23.9	3.5	51.9	0
Percent All	100.0	9.2	1.9	2.2	0.3	4.8	0

Pamet River / Little Pamet River - 2016

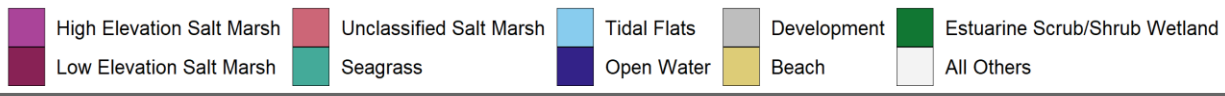
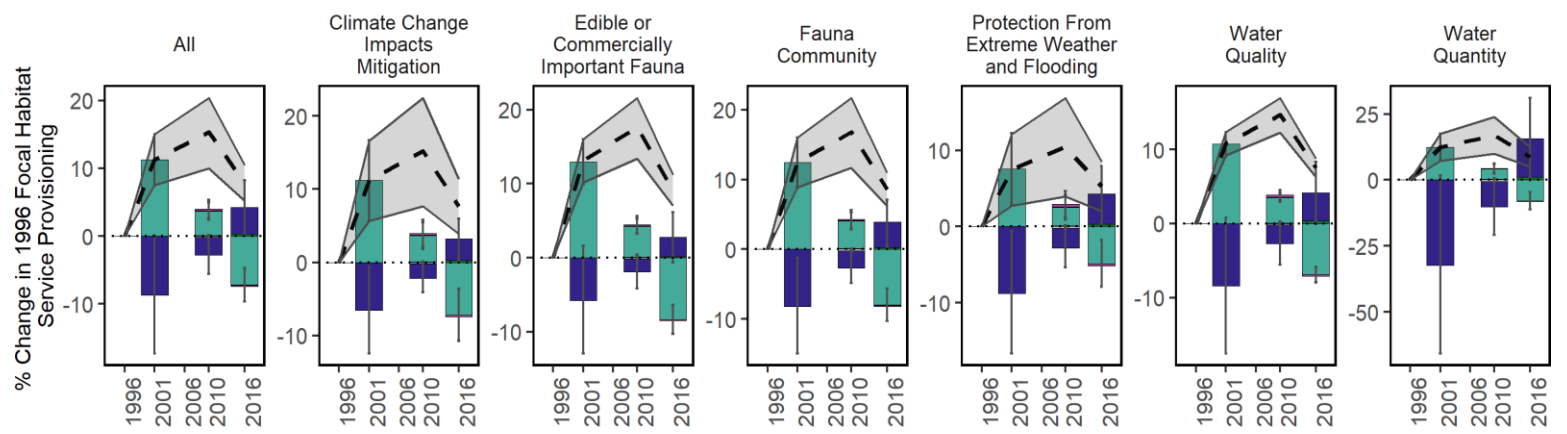
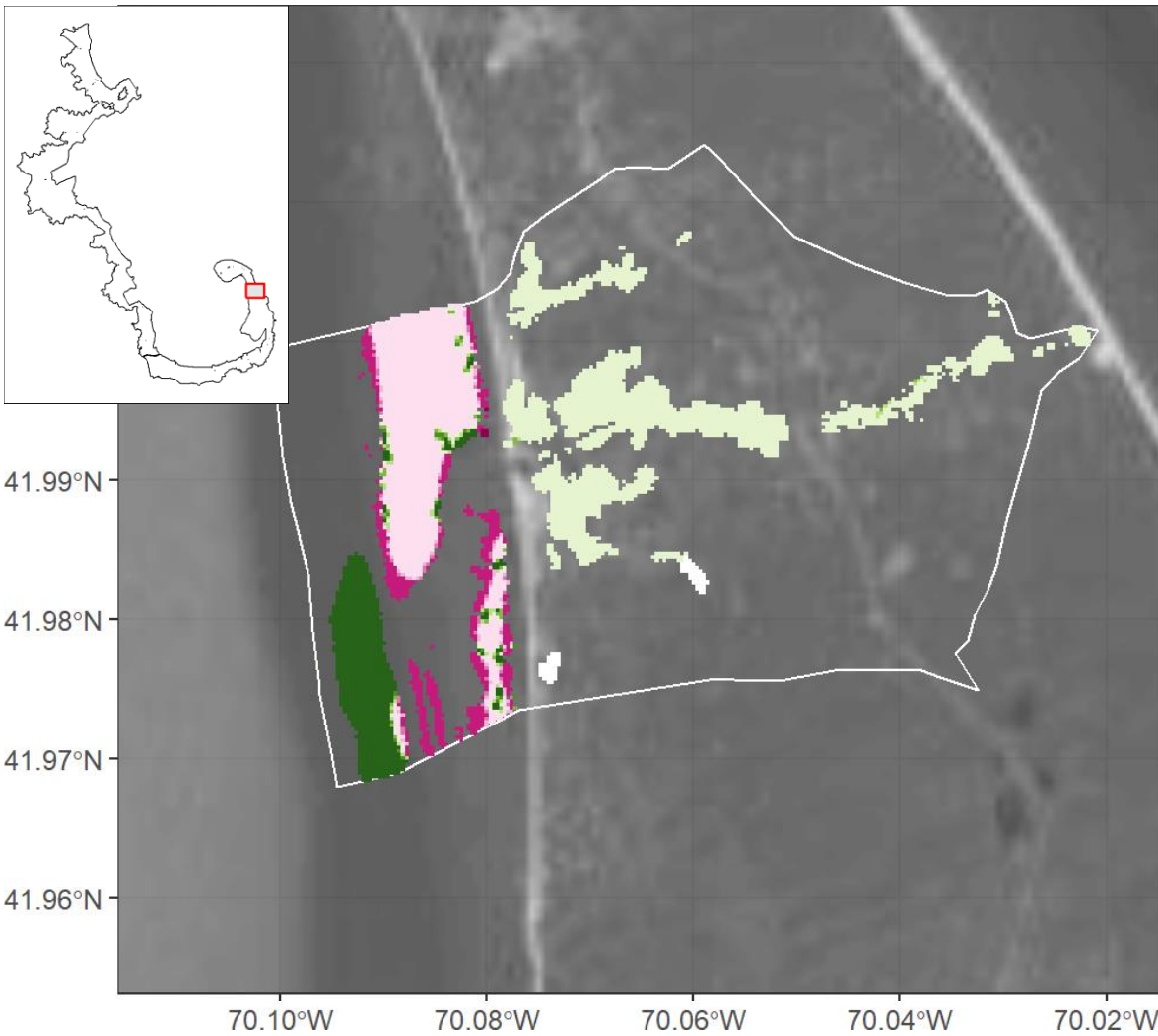


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Medium Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Low Intensity
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



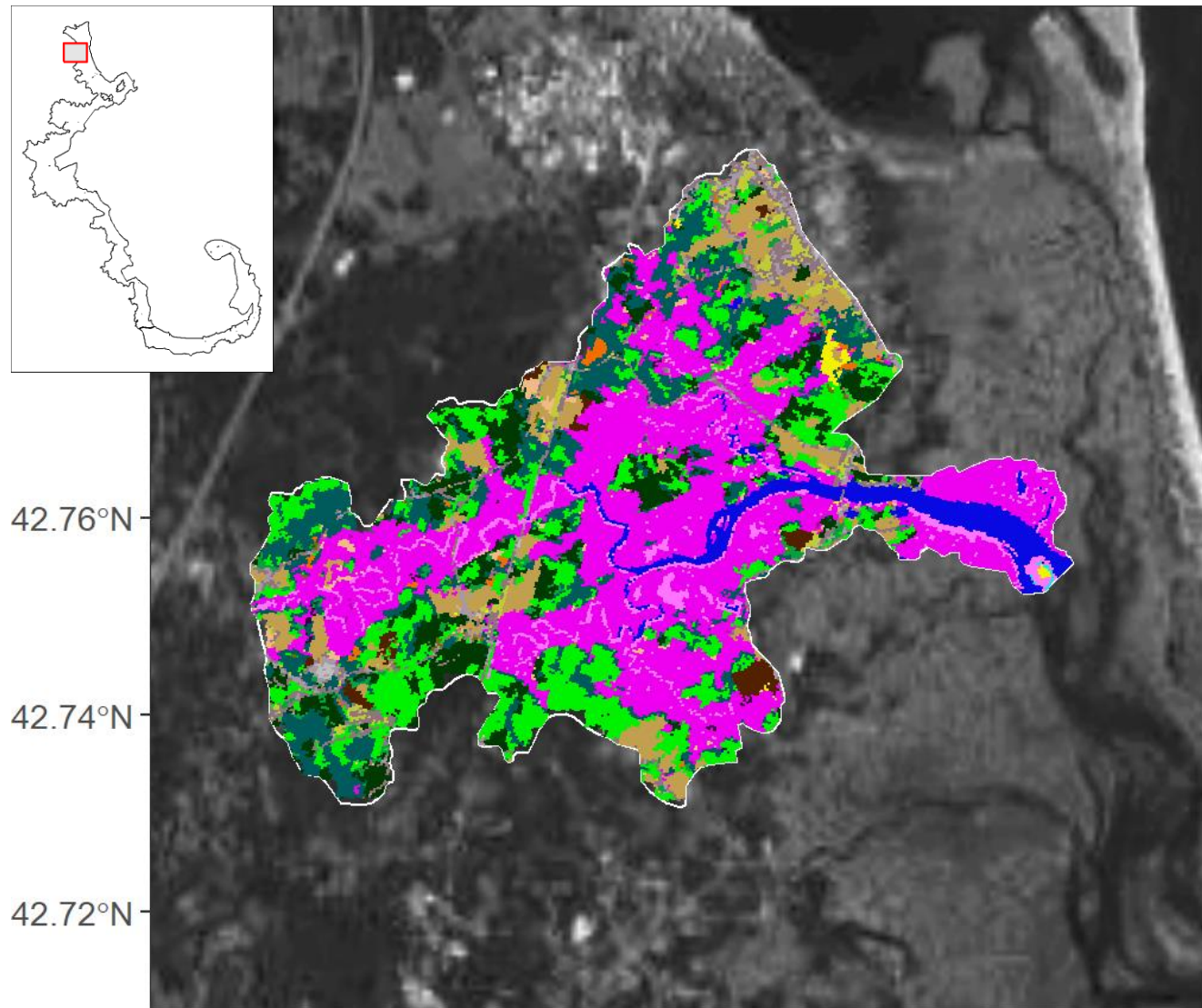
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,744.8	373	71.7	82.3	12.1	206.4	0.4
Percent Focal	1,004.0	100	19.2	22.1	3.2	55.3	0.1
Percent All	100.0	10	1.9	2.2	0.3	5.5	0.0

Pamet River / Little Pamet River - Change 1996-2016

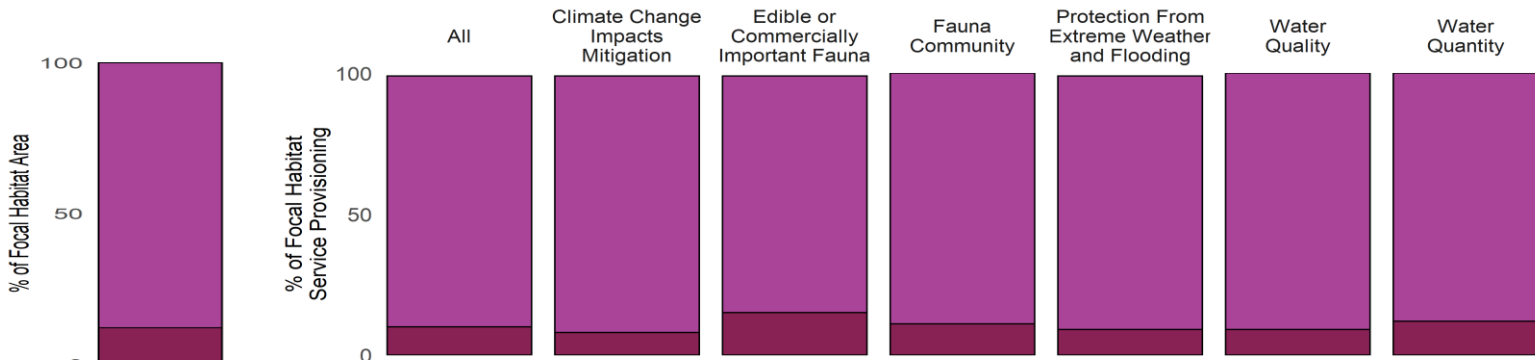


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.6	-0.2	0.3	-0.2
Seagrass	Beach	-0.3	-0.1	0.0	-0.1
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.1	0.0	0.0	0.0
Low Elev. Salt Marsh	Open Water	0.2	0.1	0.0	0.1
Tidal Flats	Open Water	0.4	0.1	-0.1	0.1
High Elev. Salt Marsh	All Others	0.9	0.3	-0.2	0.3
Seagrass	Open Water	28.1	7.7	-7.4	7.7

Parker River - 1996



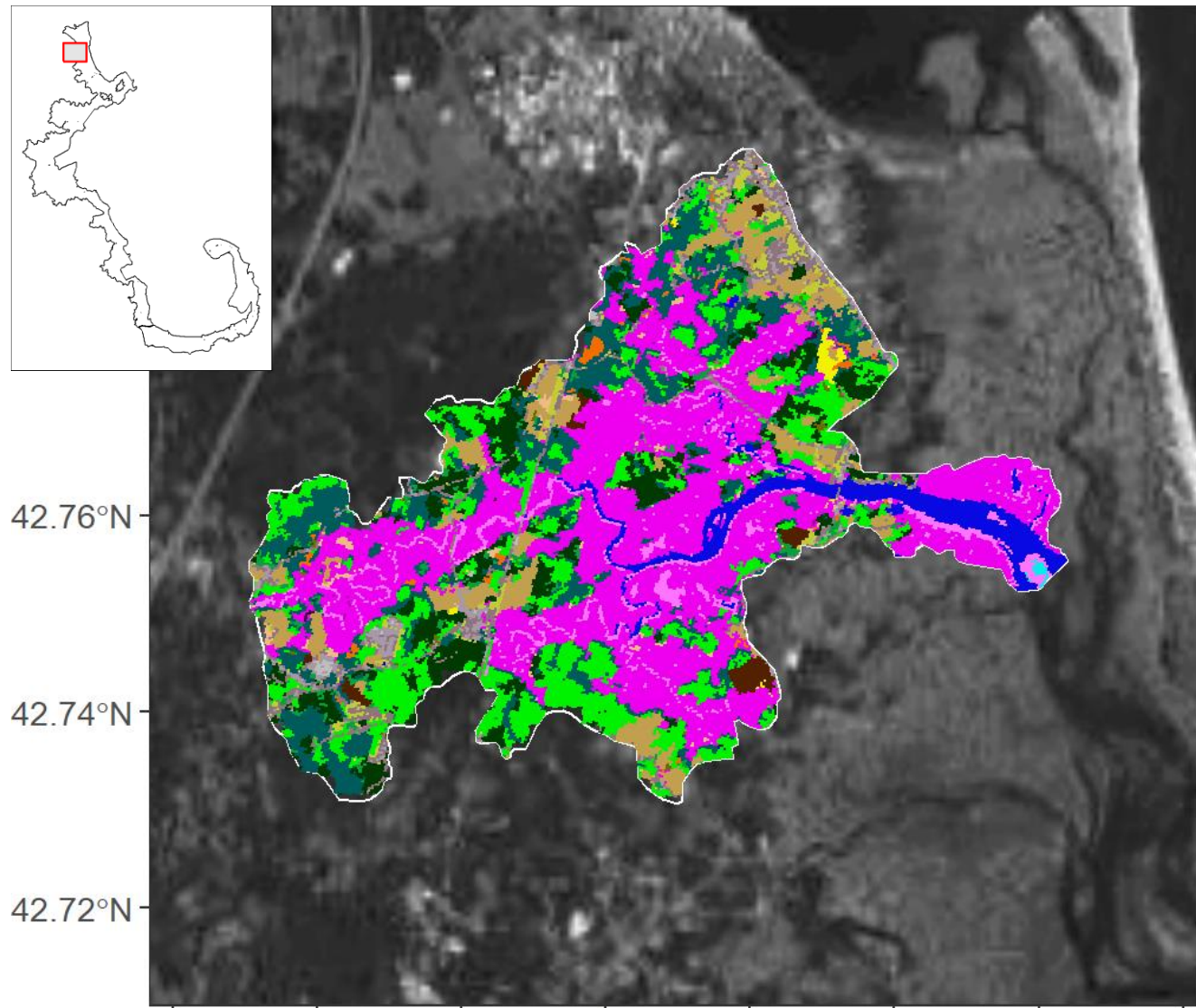
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|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |



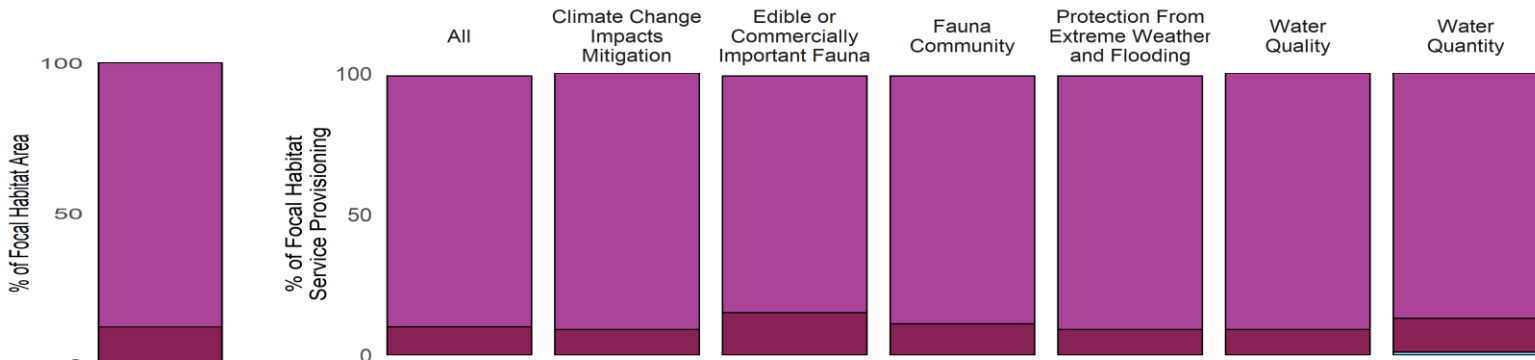
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|---------------------------|--------------------------|-------------------------|-------------|
| High Elevation Salt Marsh | Low Elevation Salt Marsh | Unclassified Salt Marsh | Tidal Flats |
|---------------------------|--------------------------|-------------------------|-------------|

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,753.7	1,103.3	970.0	128.2	3.7	0	1.3
Percent Focal	521.5	100.0	87.9	11.6	0.3	0	0.1
Percent All	100.0	19.2	16.9	2.2	0.1	0	0.0

Parker River - 2016



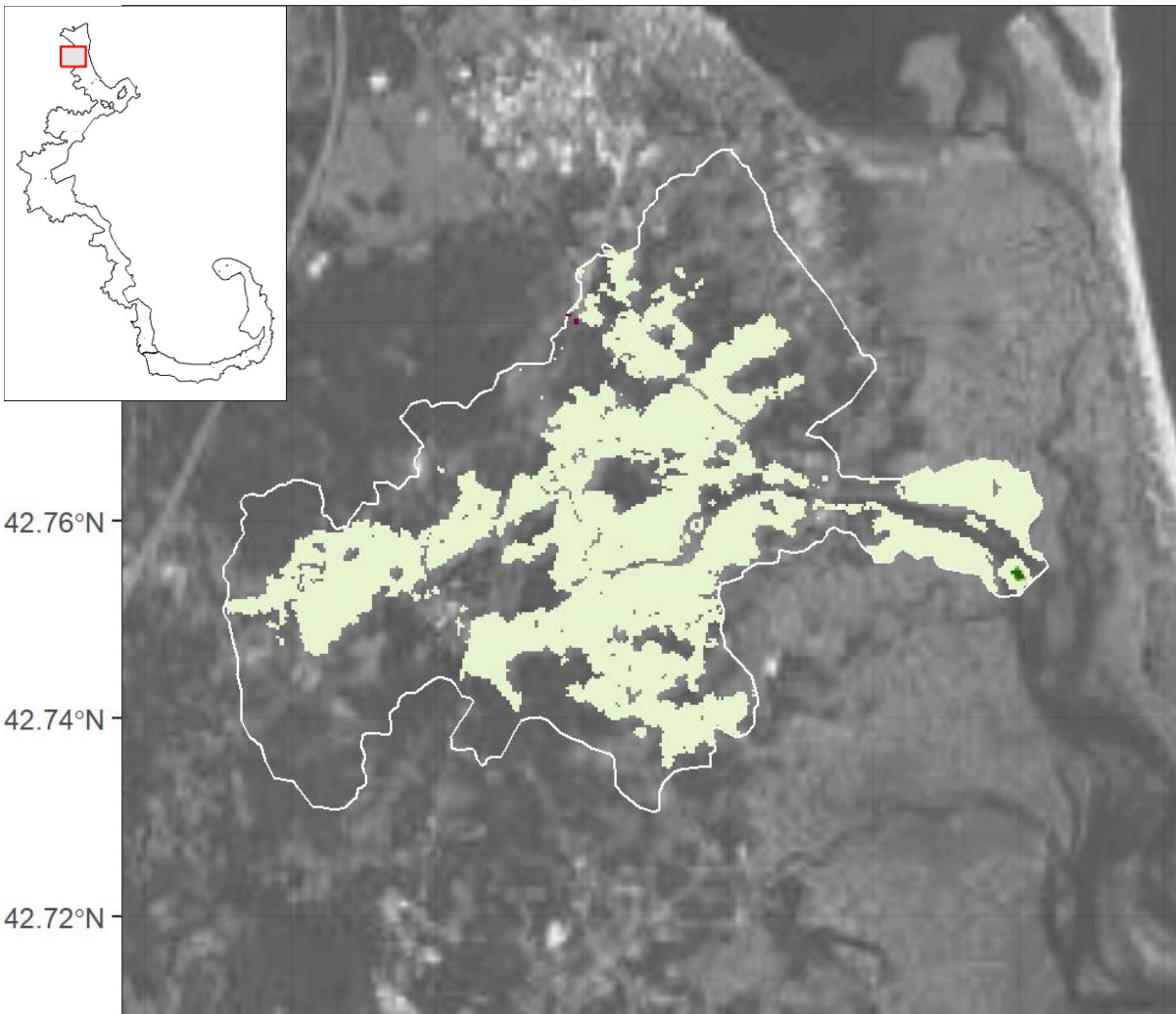
- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



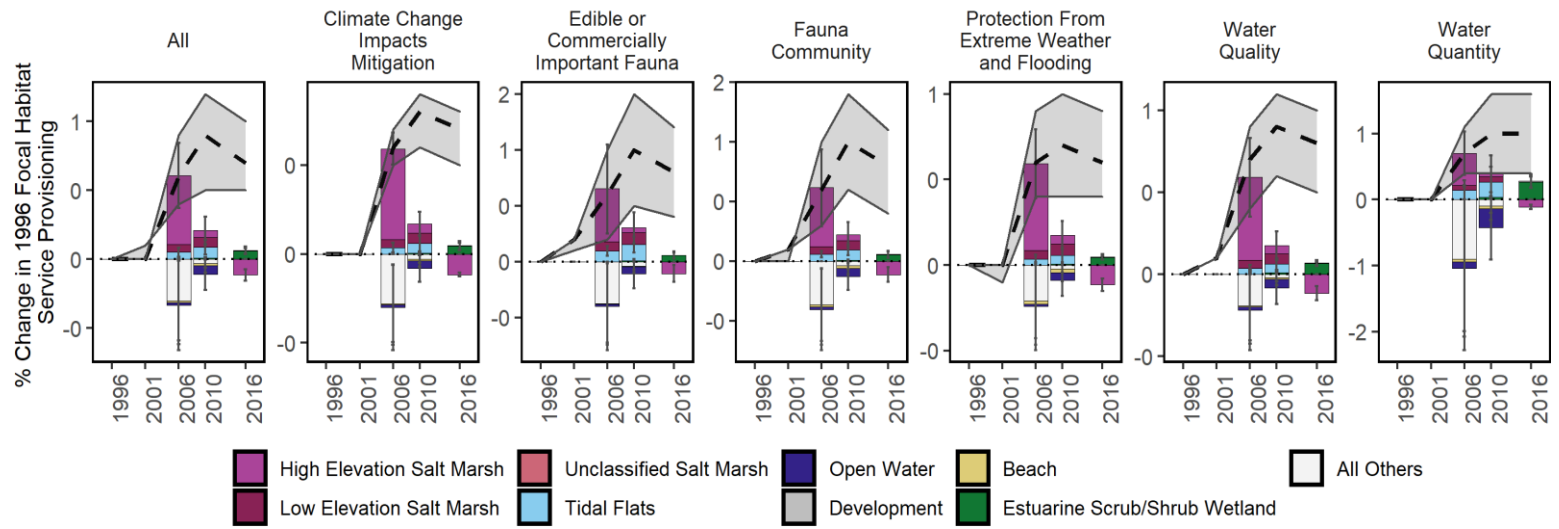
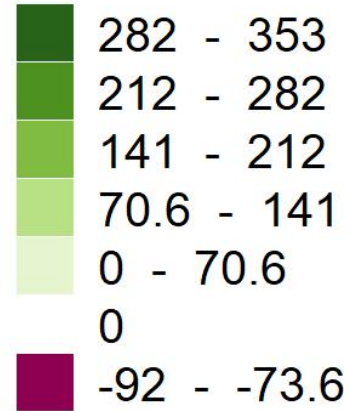
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh
- Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,753.7	1,111.0	974.7	129.8	3.7	0	2.8
Percent Focal	517.9	100.0	87.7	11.7	0.3	0	0.3
Percent All	100.0	19.3	16.9	2.3	0.1	0	0.0

Parker River - Change 1996-2016

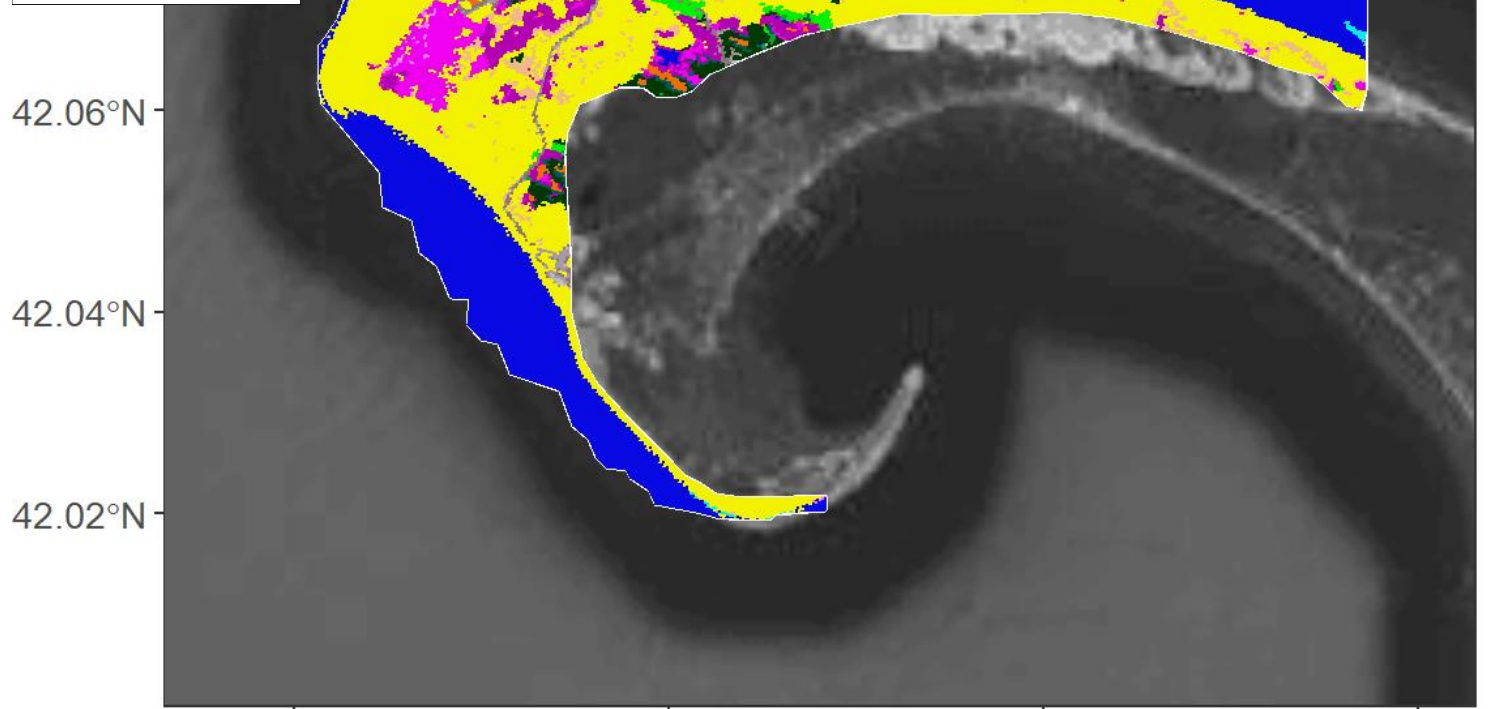


% Change

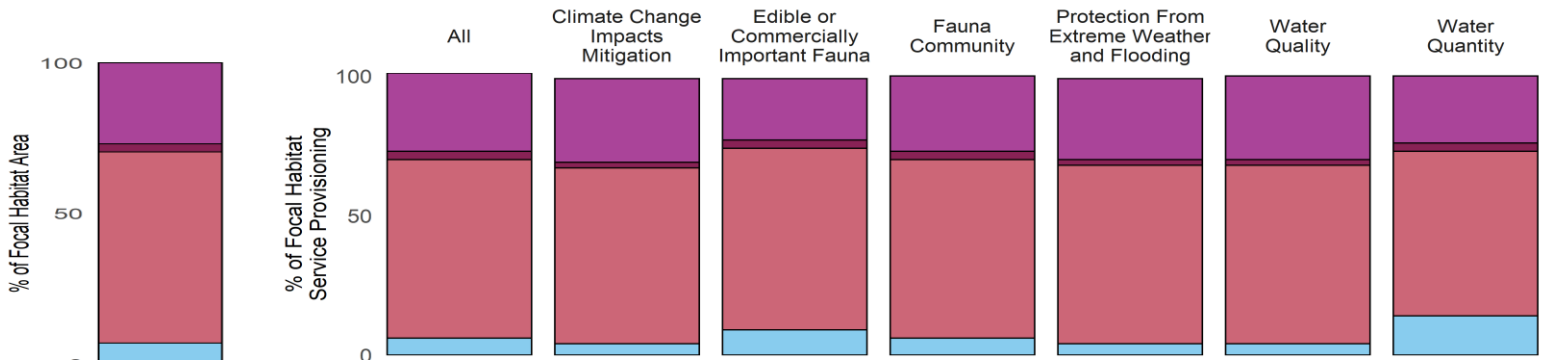


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Development	-0.4	-0.1	0.0	-0.1
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.2	0.0	0.0	0.0
Tidal Flats	Beach	1.4	0.1	0.0	0.1
Low Elev. Salt Marsh	Open Water	1.6	0.1	-0.1	0.1
High Elev. Salt Marsh	All Others	5.2	0.5	-0.3	0.5

Provincetown Coast - 1996

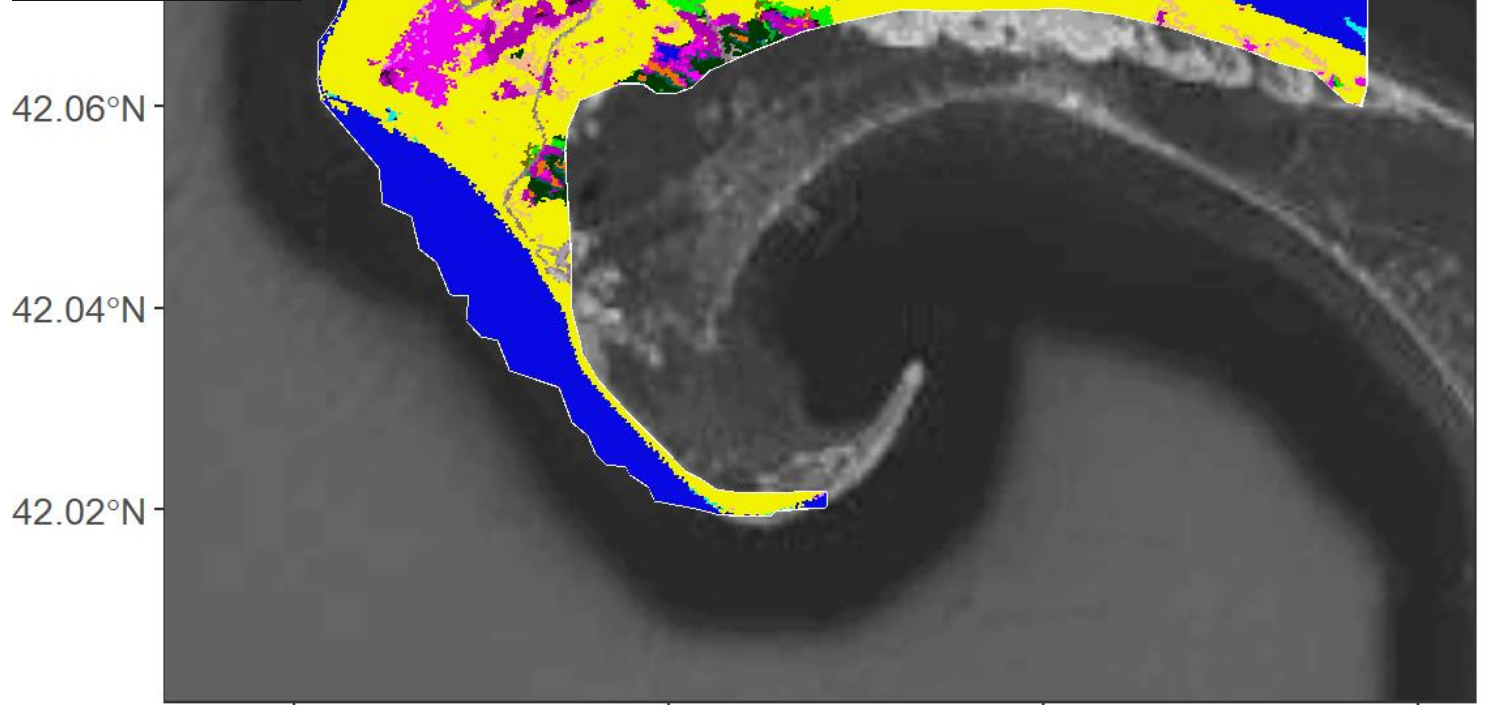


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

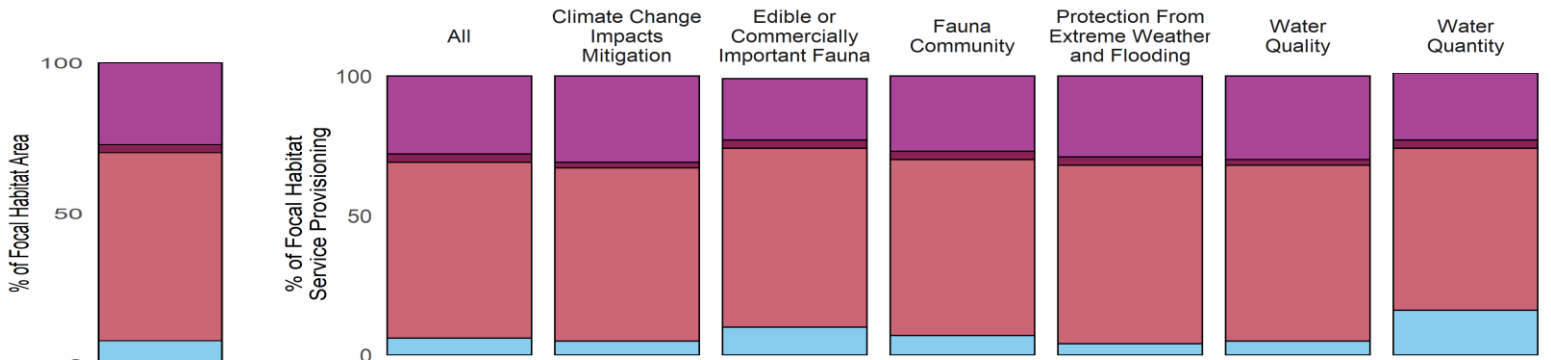


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,961.2	169.5	45.6	4.5	107.7	0	11.8
Percent Focal	3,517.1	100.0	26.9	2.7	63.5	0	6.9
Percent All	100.0	2.8	0.8	0.1	1.8	0	0.2

Provincetown Coast - 2016

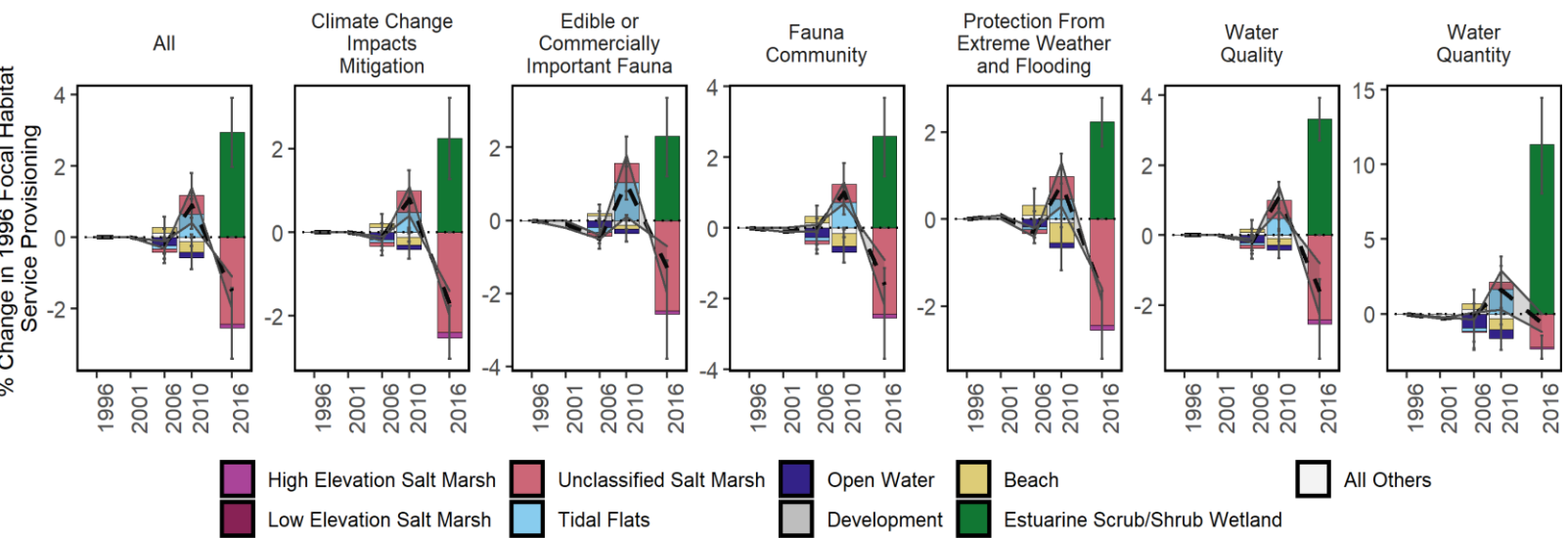
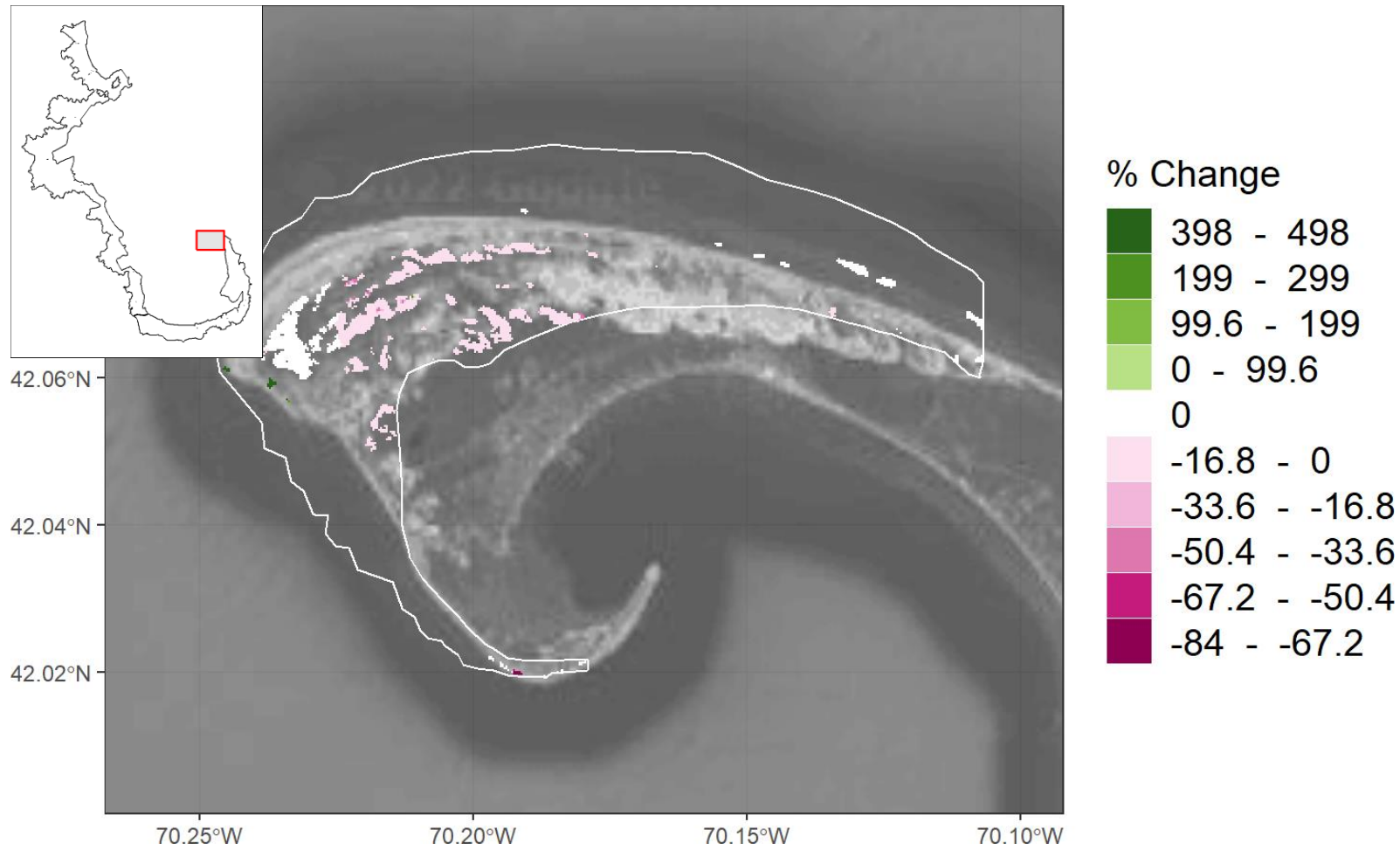


- Developed, High Intensity
- Grassland/Herbaceous
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- Palustrine Emergent Wetland
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- Seagrass



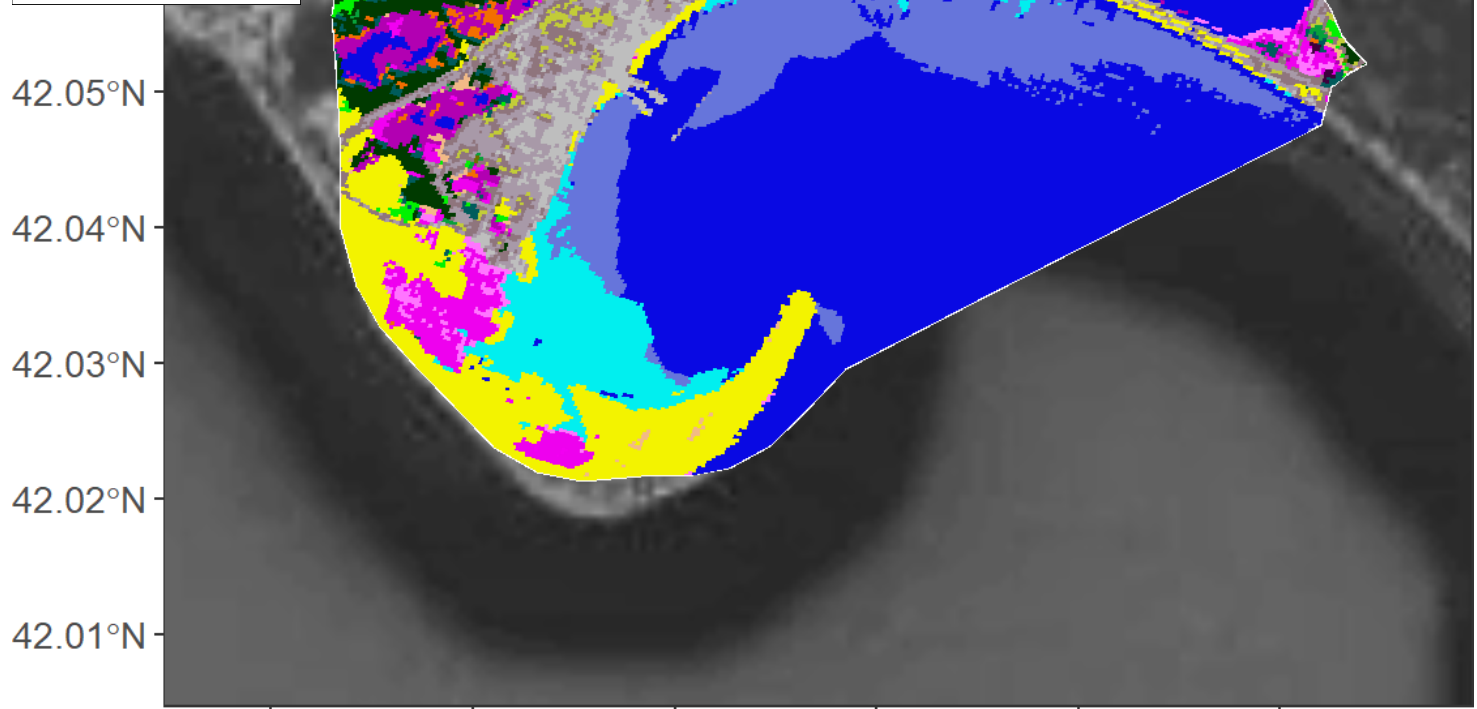
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,961.2	167.2	45.4	4.5	104.3	0	12.9
Percent Focal	3,566.4	100.0	27.1	2.7	62.4	0	7.7
Percent All	100.0	2.8	0.8	0.1	1.7	0	0.2

Provincetown Coast - Change 1996-2016

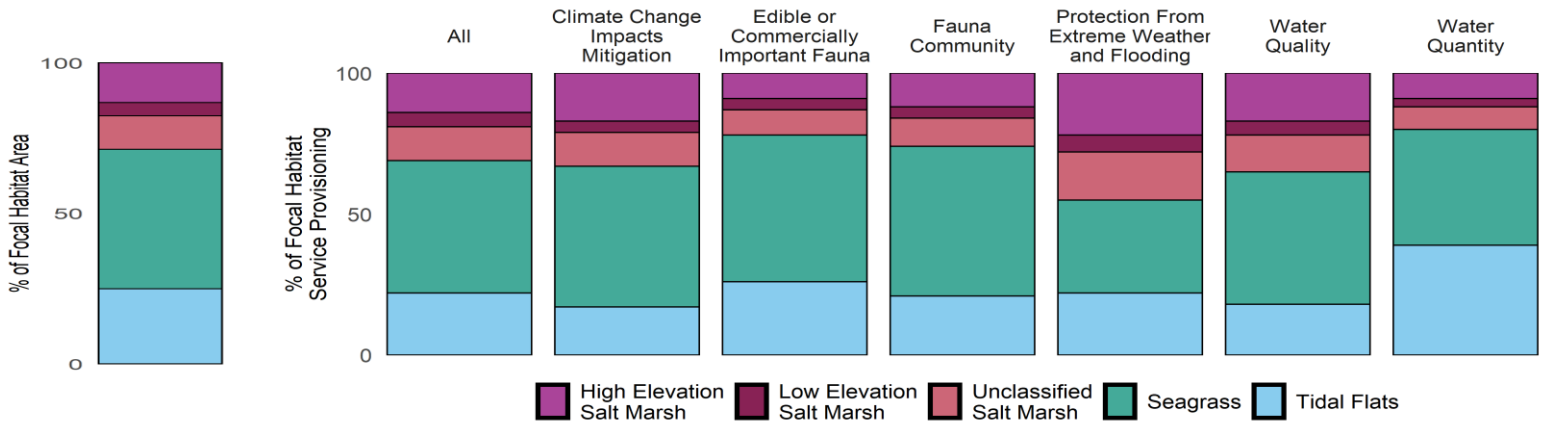


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-3.4	-2.0	2.4	-2.0
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.2	-0.1	0.1	-0.1
Unclassified Salt Marsh	All Others	0.1	0.0	0.0	0.0
Tidal Flats	Open Water	0.2	0.1	-0.2	0.1
Tidal Flats	Beach	1.0	0.5	-0.2	0.5

Provincetown Harbor - 1996

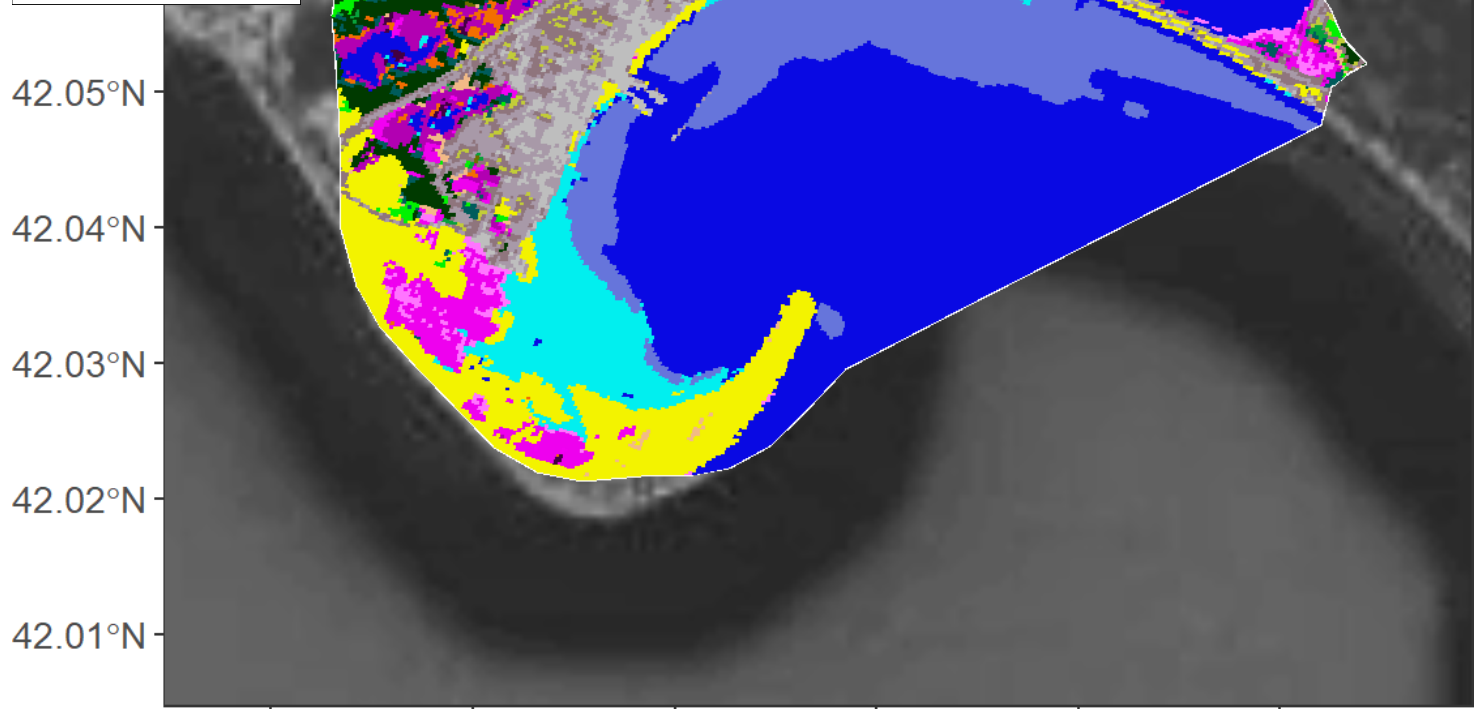


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
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- Deciduous Forest
- Palustrine Emergent Wetland
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- Palustrine Aquatic Bed
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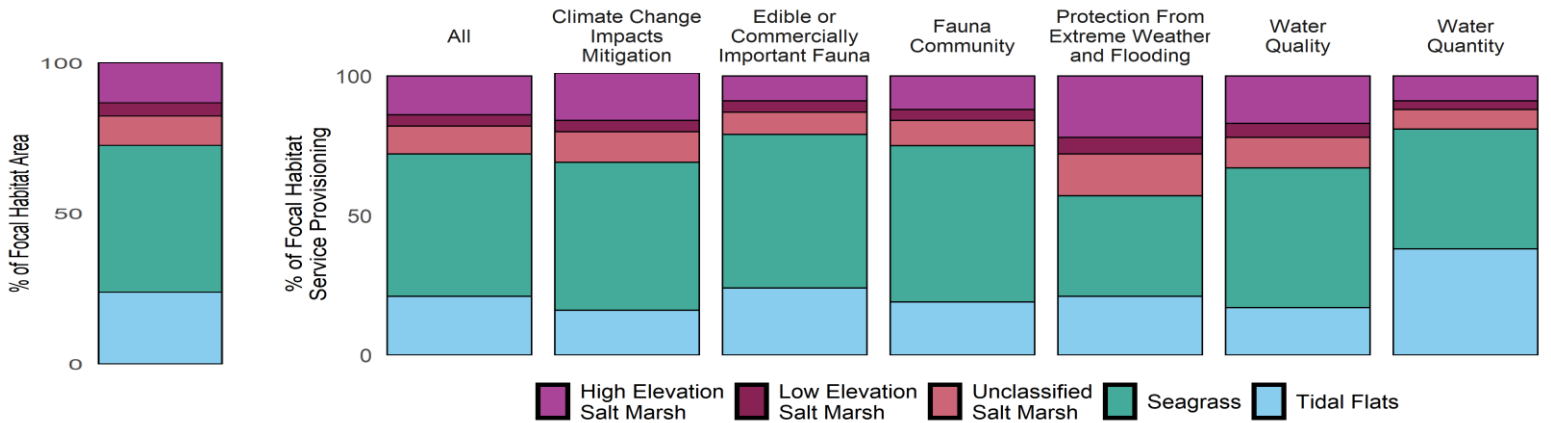


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,746.5	795.3	104.6	35.2	88.6	368.1	198.8
Percent Focal	722.6	100.0	13.2	4.4	11.1	46.3	25.0
Percent All	100.0	13.8	1.8	0.6	1.5	6.4	3.5

Provincetown Harbor - 2016

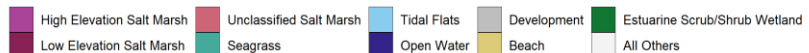
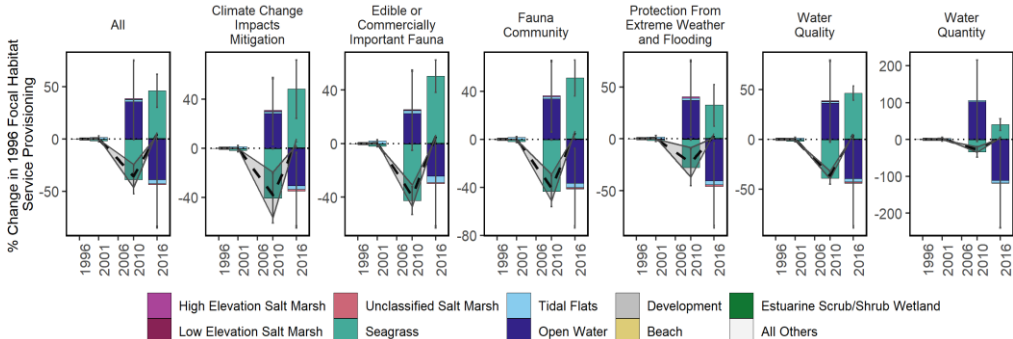
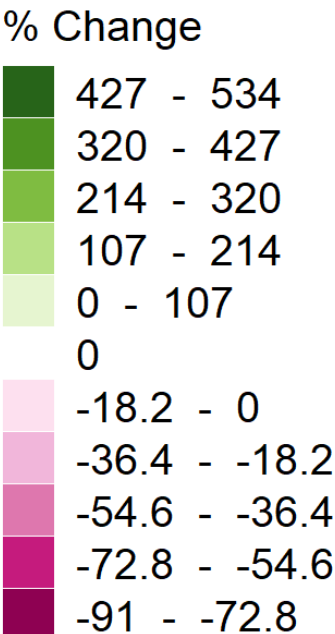
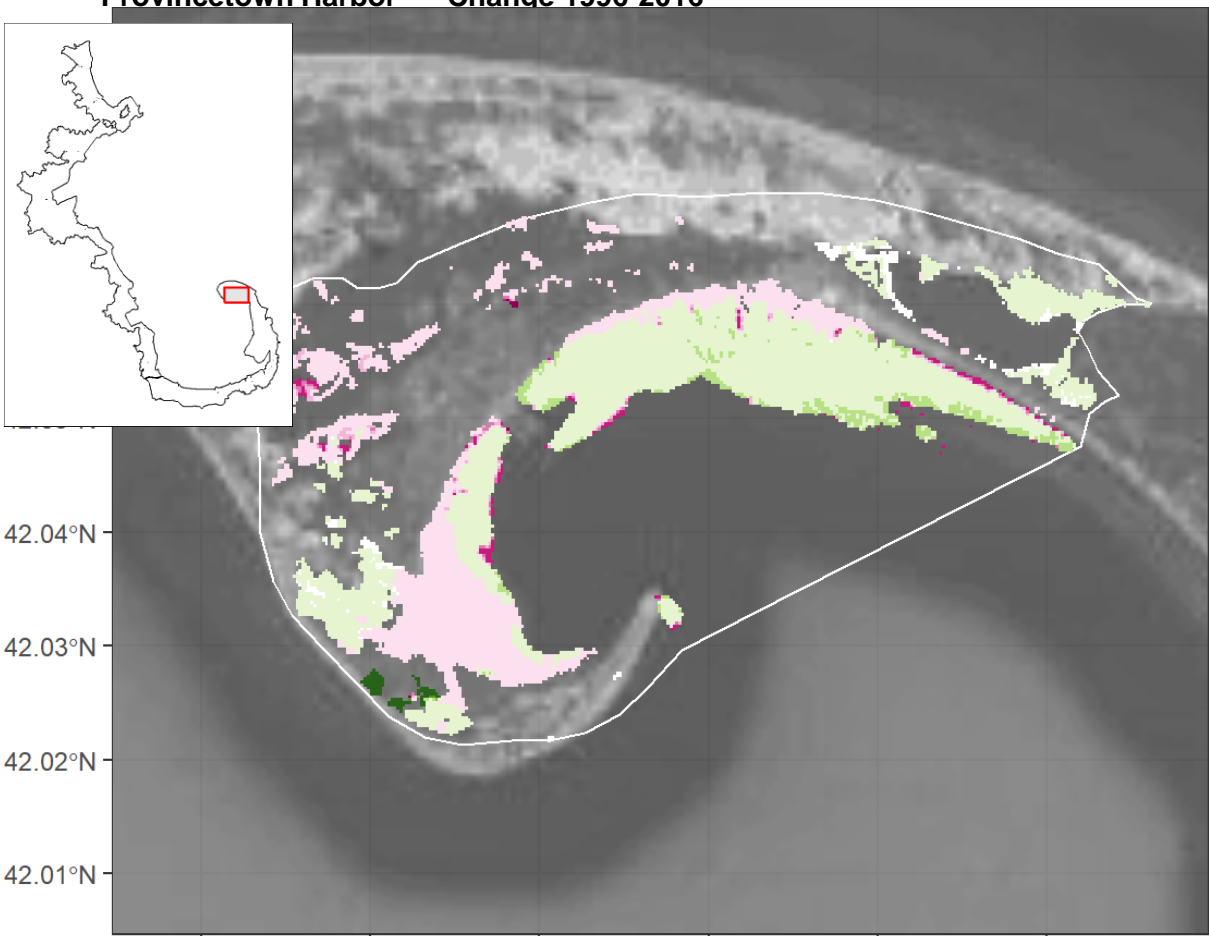


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
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- Palustrine Emergent Wetland
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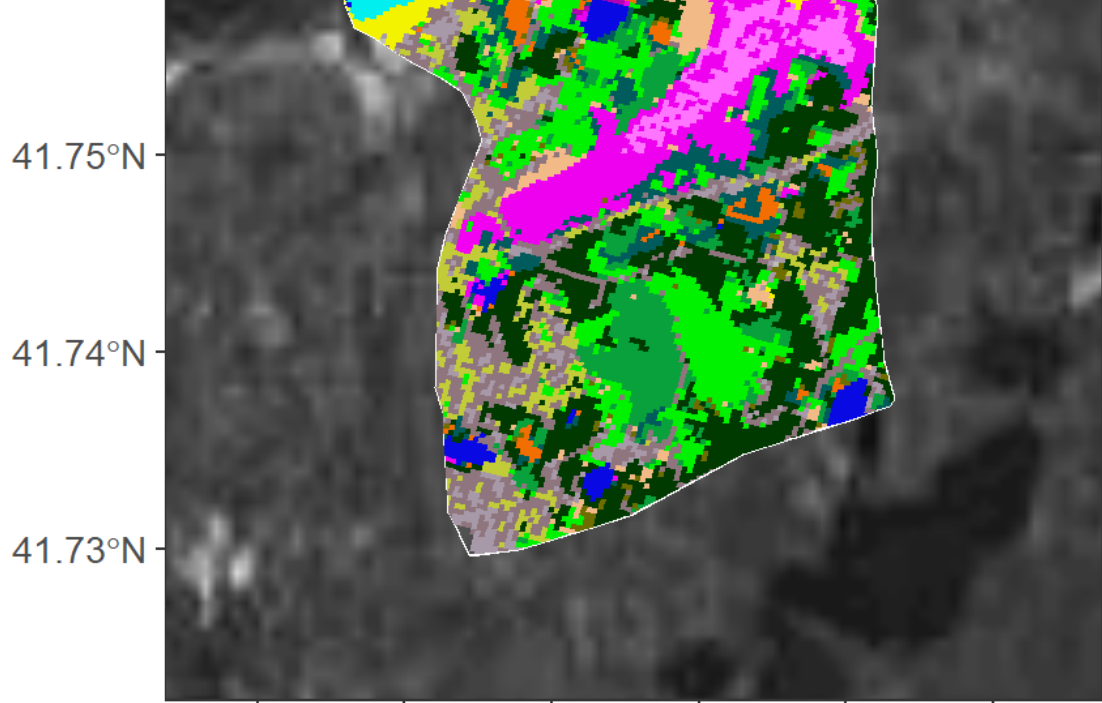
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,746.5	826.4	109.7	36.5	79.9	403.2	197.1
Percent Focal	695.3	100.0	13.3	4.4	9.7	48.8	23.8
Percent All	100.0	14.4	1.9	0.6	1.4	7.0	3.4

Provincetown Harbor - Change 1996-2016

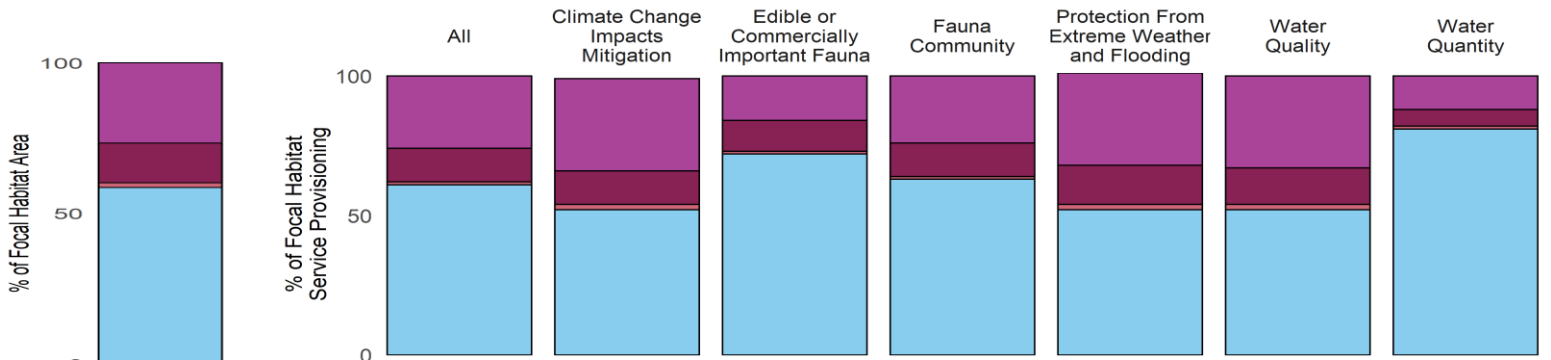


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Tidal Flats	Seagrass	-4.8	-0.4	1.0	0.6
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-3.2	-0.4	0.5	-0.4
Unclassified Salt Marsh	Open Water	-2.9	-0.4	-2.1	-0.4
Unclassified Salt Marsh	Tidal Flats	-1.5	-0.2	0.1	-0.1
Unclassified Salt Marsh	All Others	-0.7	-0.1	0.1	-0.1
Unclassified Salt Marsh	Development	-0.4	-0.1	0.0	-0.1
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.4	-0.1	0.1	-0.1
Tidal Flats	High Elev. Salt Marsh	-0.3	0.0	0.0	0.0
Seagrass	Beach	-0.3	0.0	0.0	0.0
Seagrass	Development	-0.1	0.0	0.0	0.0
Unclassified Salt Marsh	Beach	0.1	0.0	0.0	0.0
Low Elev. Salt Marsh	All Others	0.1	0.0	0.0	0.0
Tidal Flats	Open Water	0.4	0.0	0.0	0.0
Low Elev. Salt Marsh	Beach	1.3	0.2	0.0	0.2
High Elev. Salt Marsh	All Others	1.4	0.2	-0.1	0.2
Tidal Flats	Beach	1.4	0.1	0.0	0.1
High Elev. Salt Marsh	Beach	3.8	0.5	-0.1	0.5
Seagrass	Open Water	30.6	4.5	-1.3	4.5

Quivett Creek - 1996

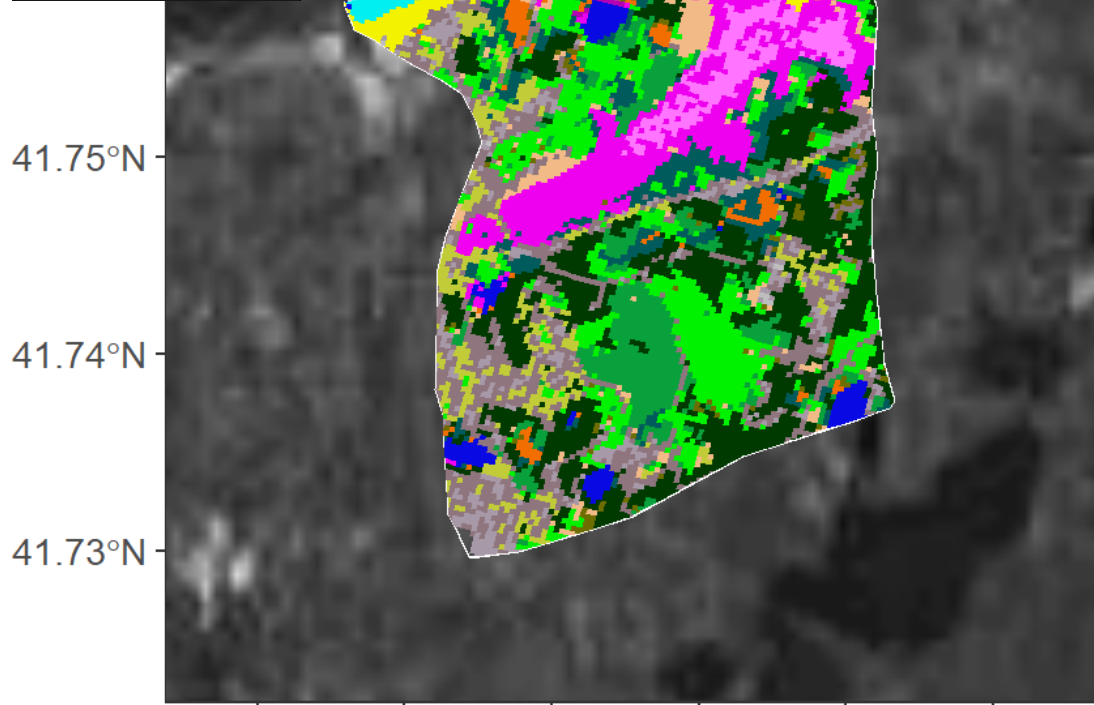


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Tidal Flats
- Deciduous Forest
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- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Seagrass
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Cultivated Crops
- Pasture/Hay

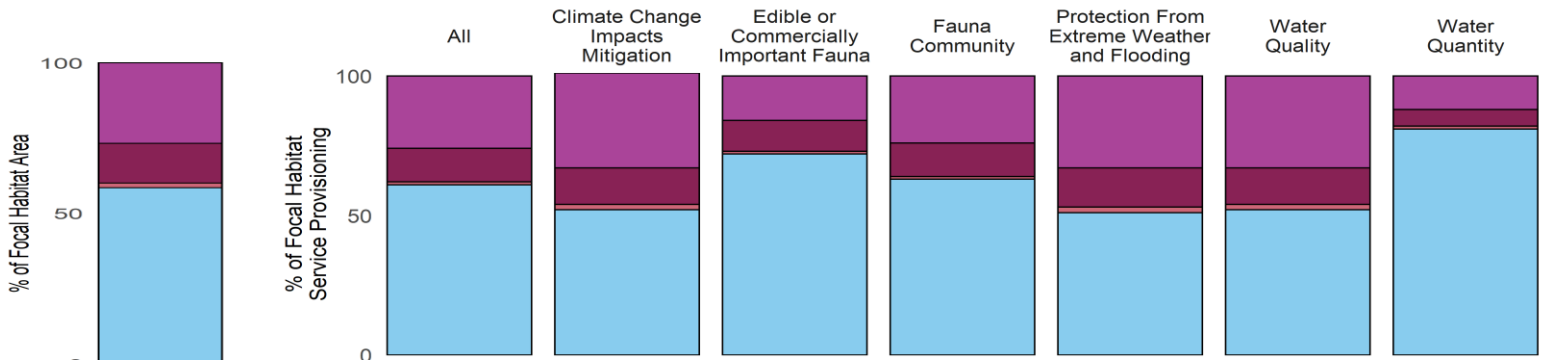


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,635.1	271.2	72.2	35.7	4.4	0	158.9
Percent Focal	602.9	100.0	26.6	13.2	1.6	0	58.6
Percent All	100.0	16.6	4.4	2.2	0.3	0	9.7

Quivett Creek - 2016

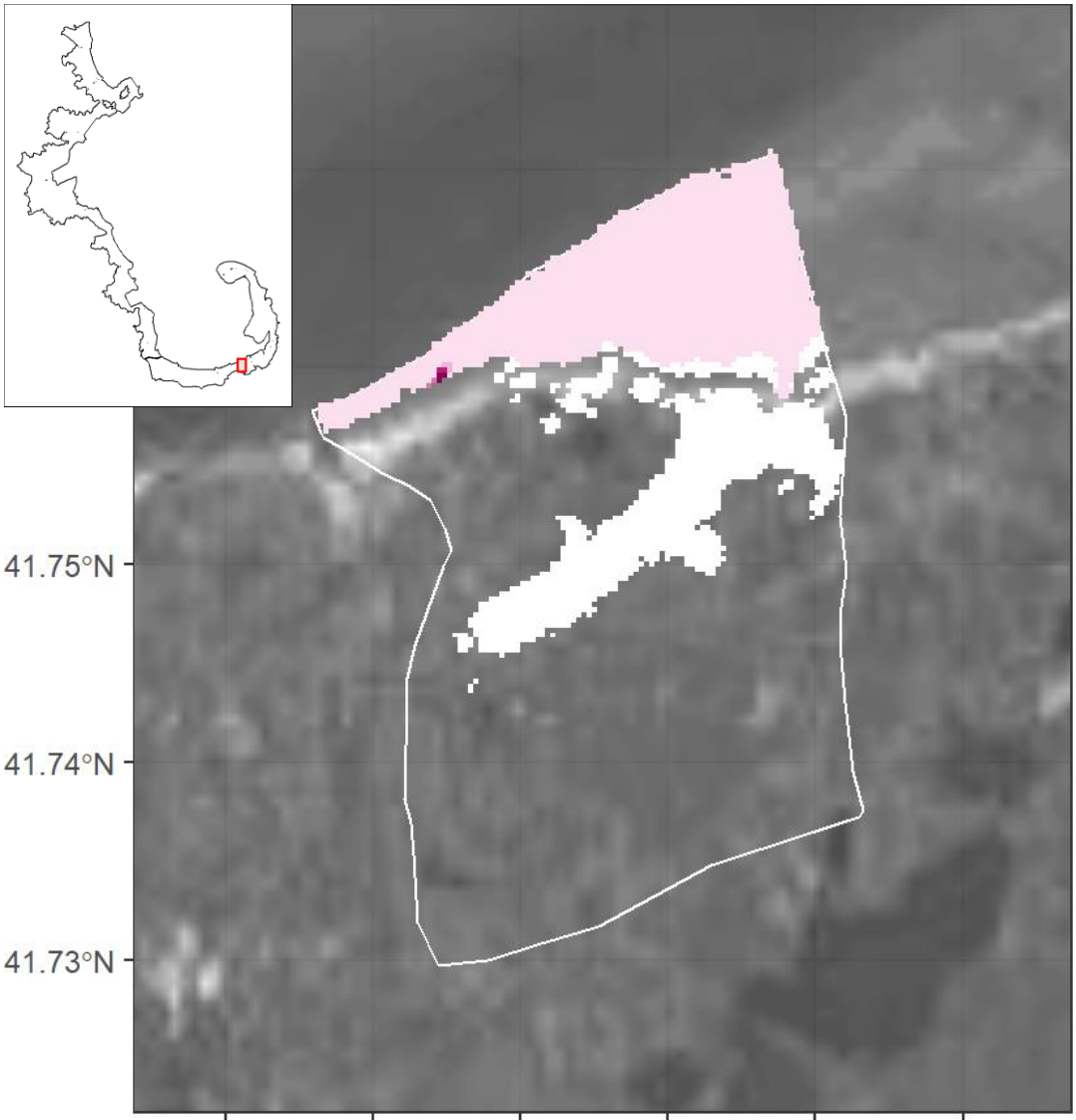


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

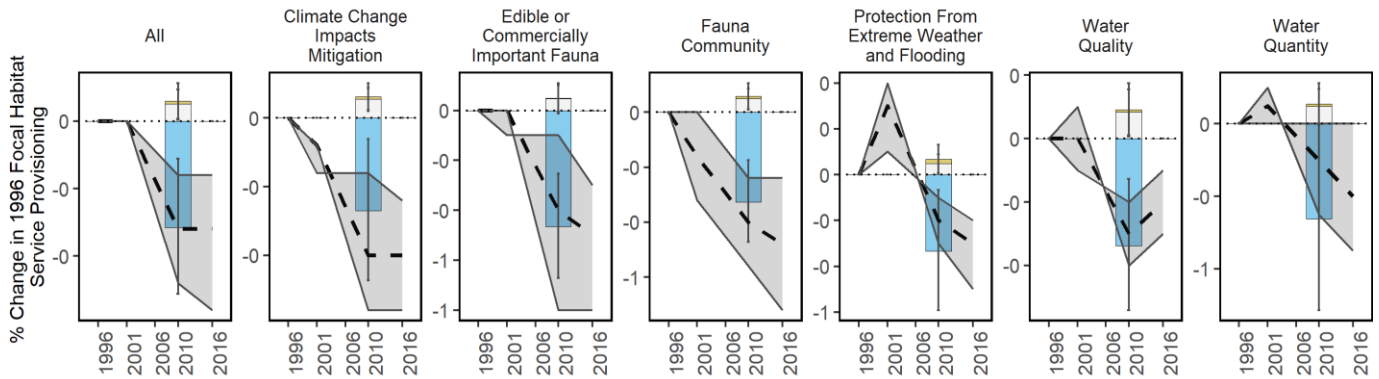
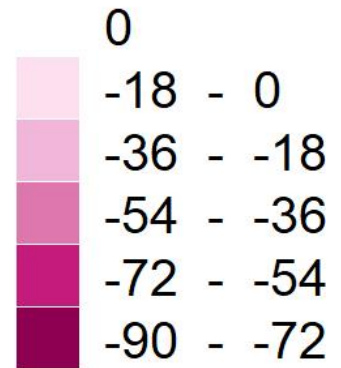


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,635.1	270.6	72.2	35.7	4.4	0	158.2
Percent Focal	604.3	100.0	26.7	13.2	1.6	0	58.5
Percent All	100.0	16.5	4.4	2.2	0.3	0	9.7

Quivett Creek - Change 1996-2016

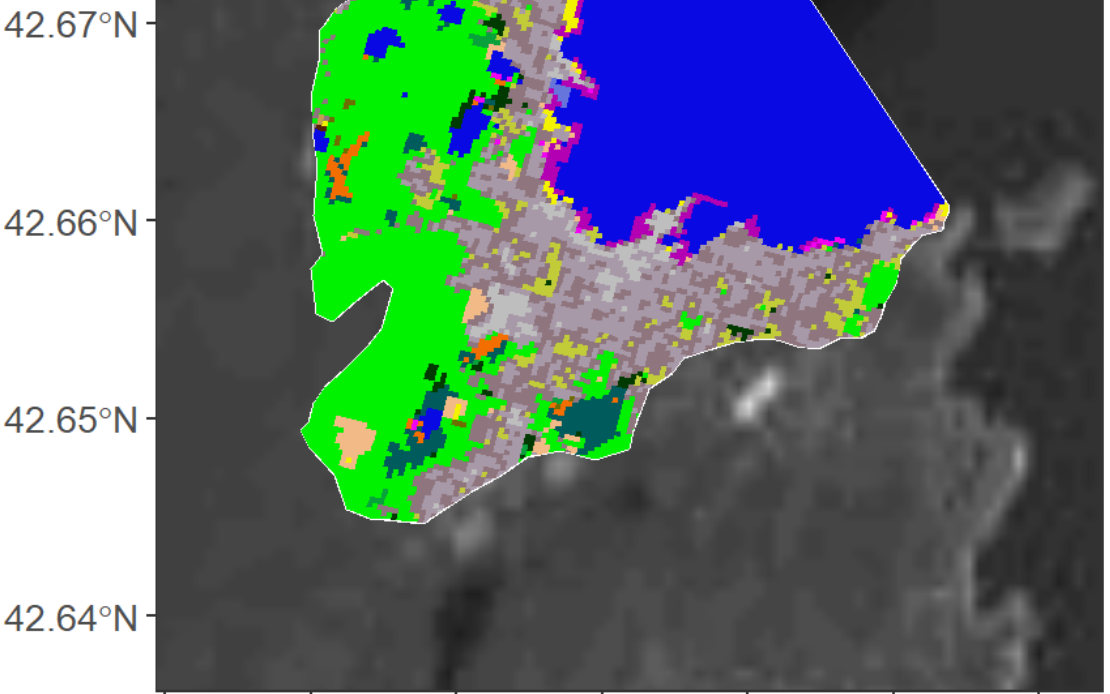
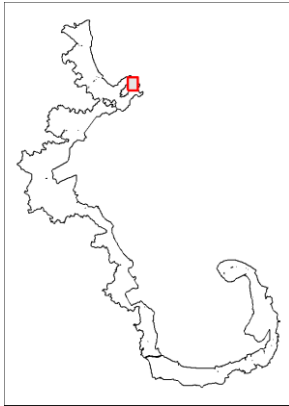


% Change

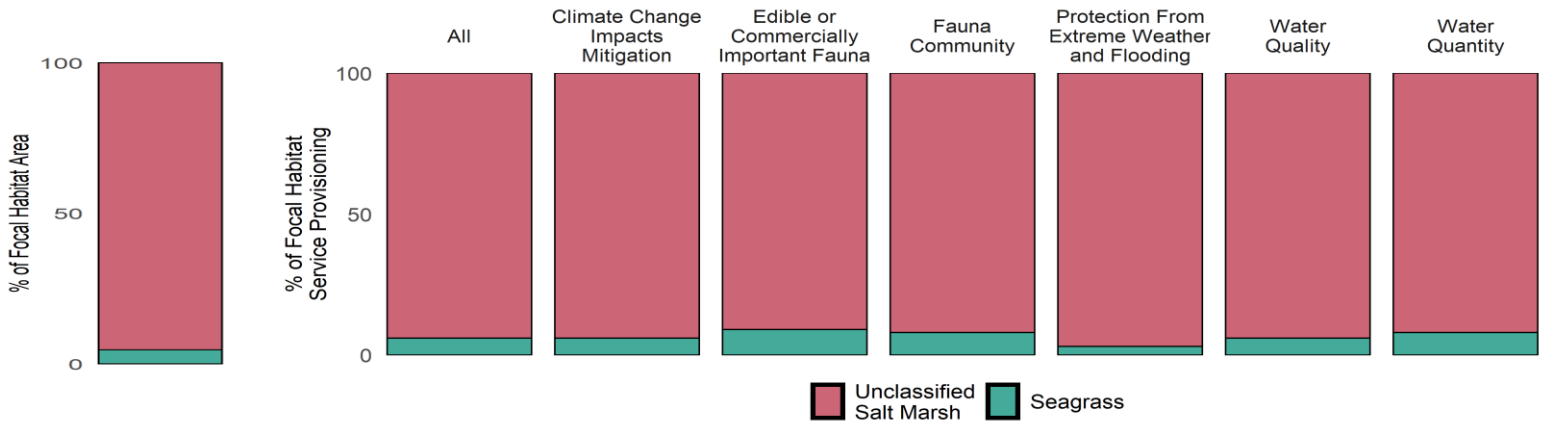


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Tidal Flats	All Others	-0.4	-0.2	0.1	-0.2
Tidal Flats	Beach	-0.3	-0.2	0.0	-0.2

Rockport Harbor (sandy Bay) - 1996

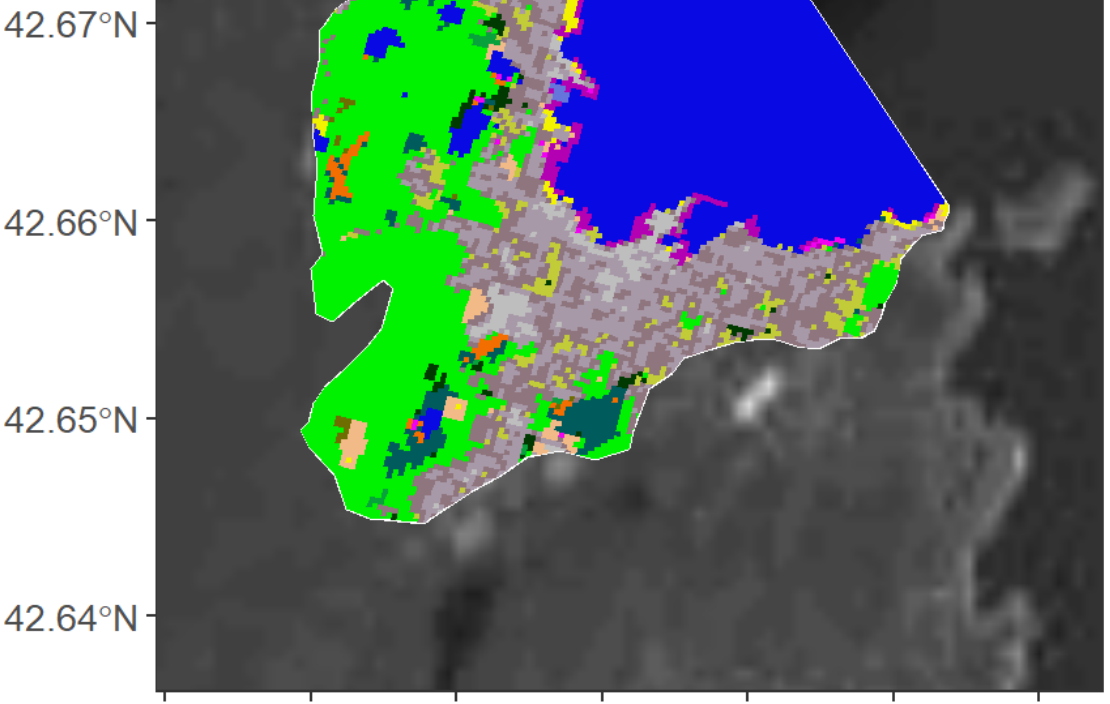


- | | | | |
|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

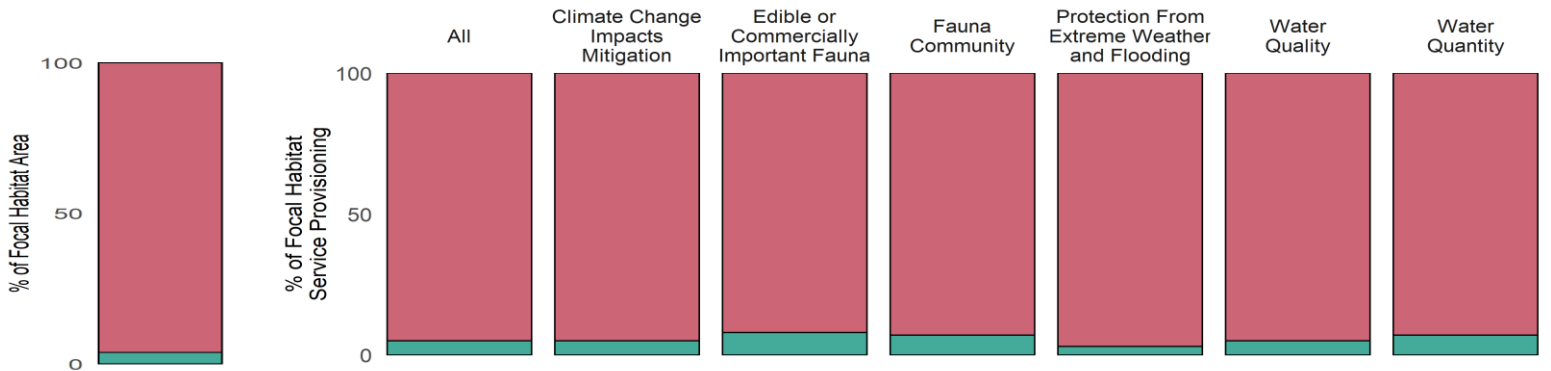


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,854.6	21.2	0	0	20.2	1.0	0
Percent Focal	8,731.8	100.0	0	0	95.3	4.7	0
Percent All	100.0	1.1	0	0	1.1	0.1	0

Rockport Harbor (sandy Bay) - 2016

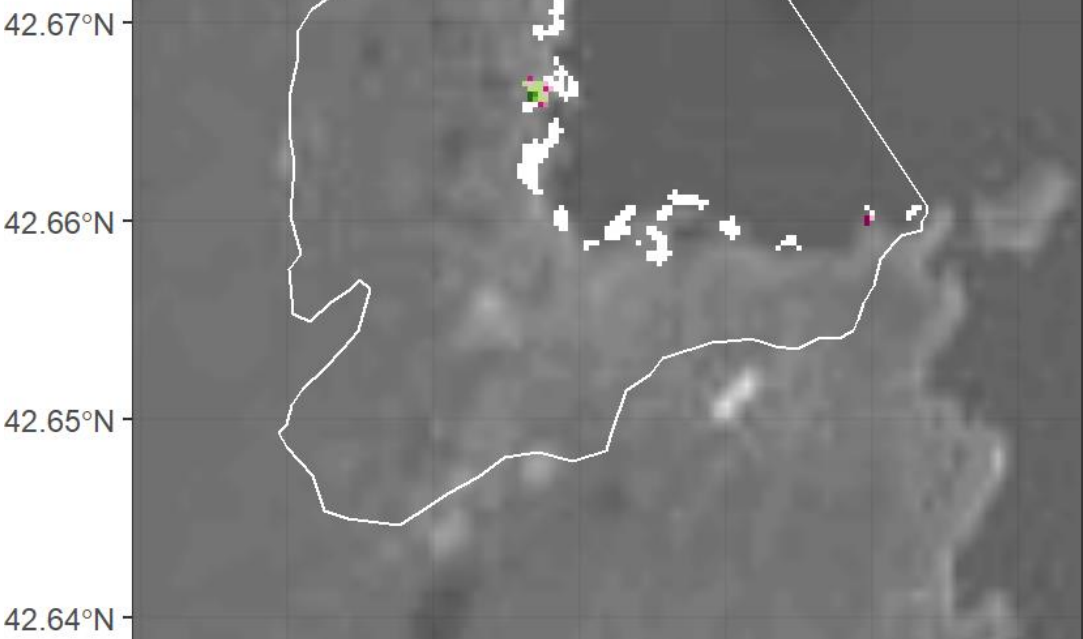
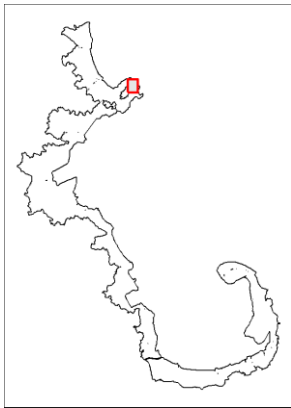


- | | | | |
|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

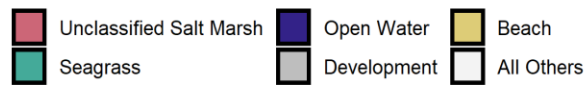
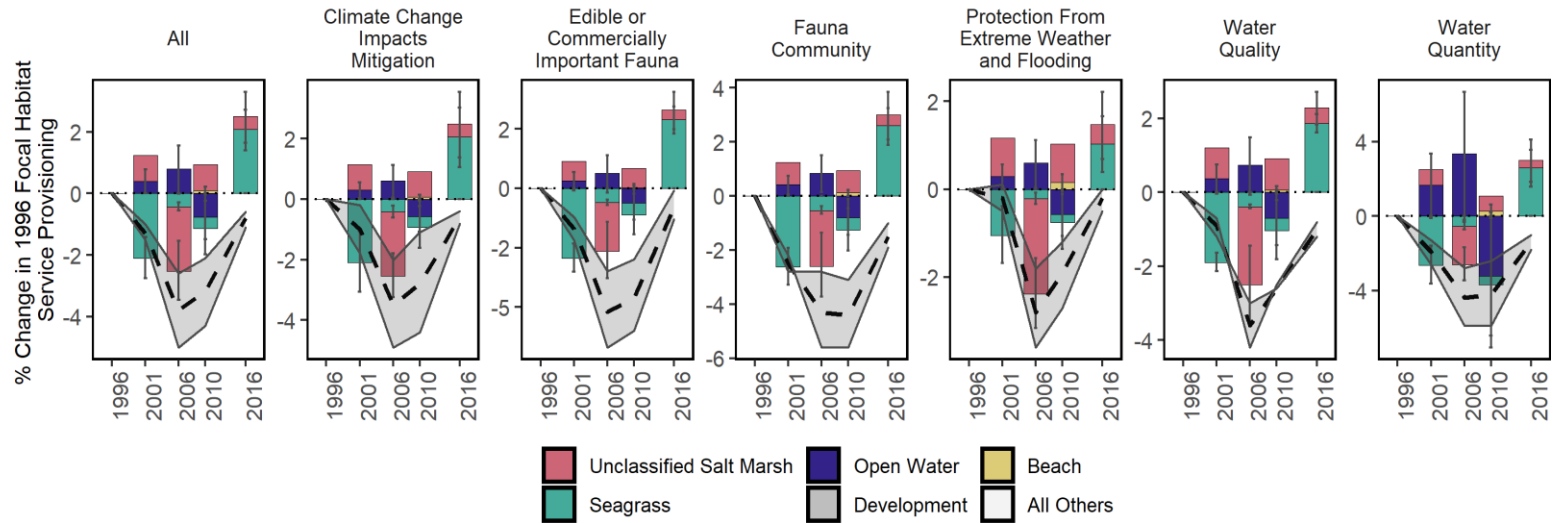
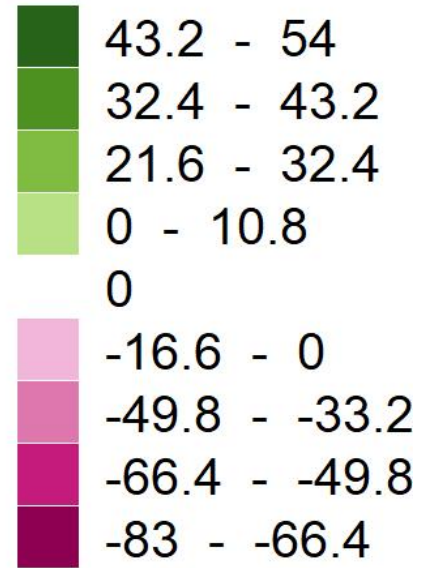


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,854.6	21.1	0	0	20.2	0.8	0
Percent Focal	8,806.5	100.0	0	0	96.2	3.8	0
Percent All	100.0	1.1	0	0	1.1	0.0	0

Rockport Harbor (sandy Bay) - Change 1996-2016



% Change

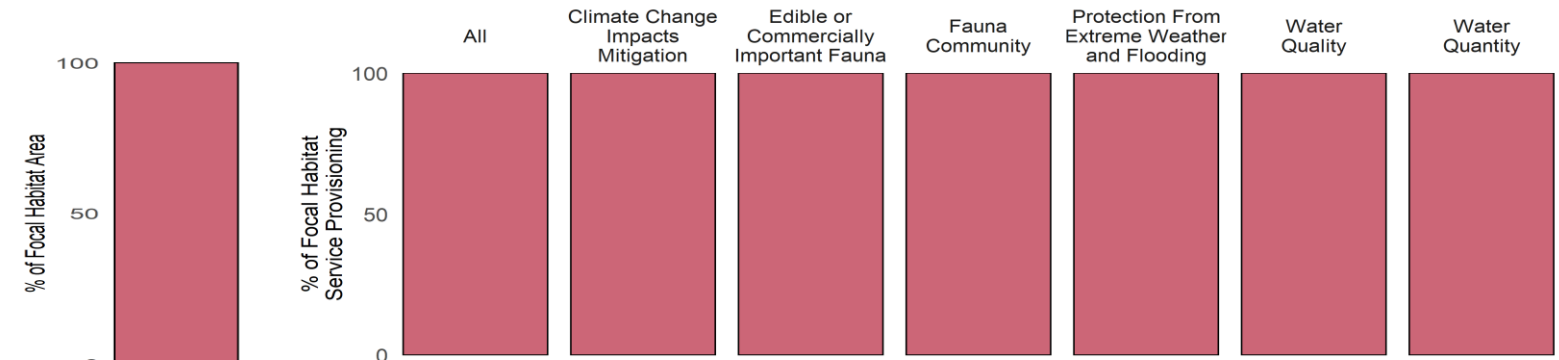
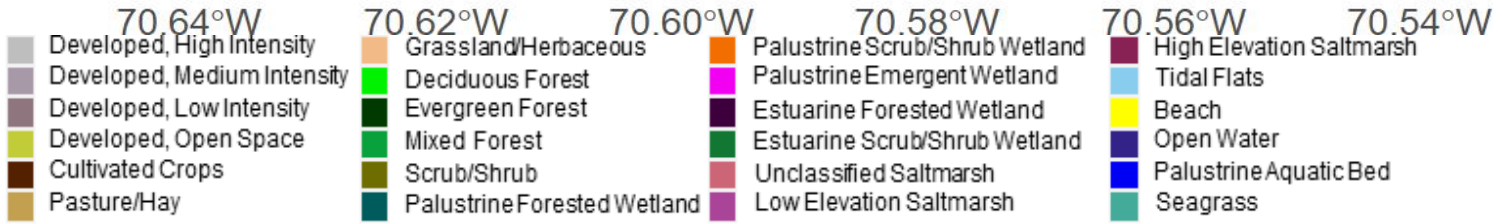
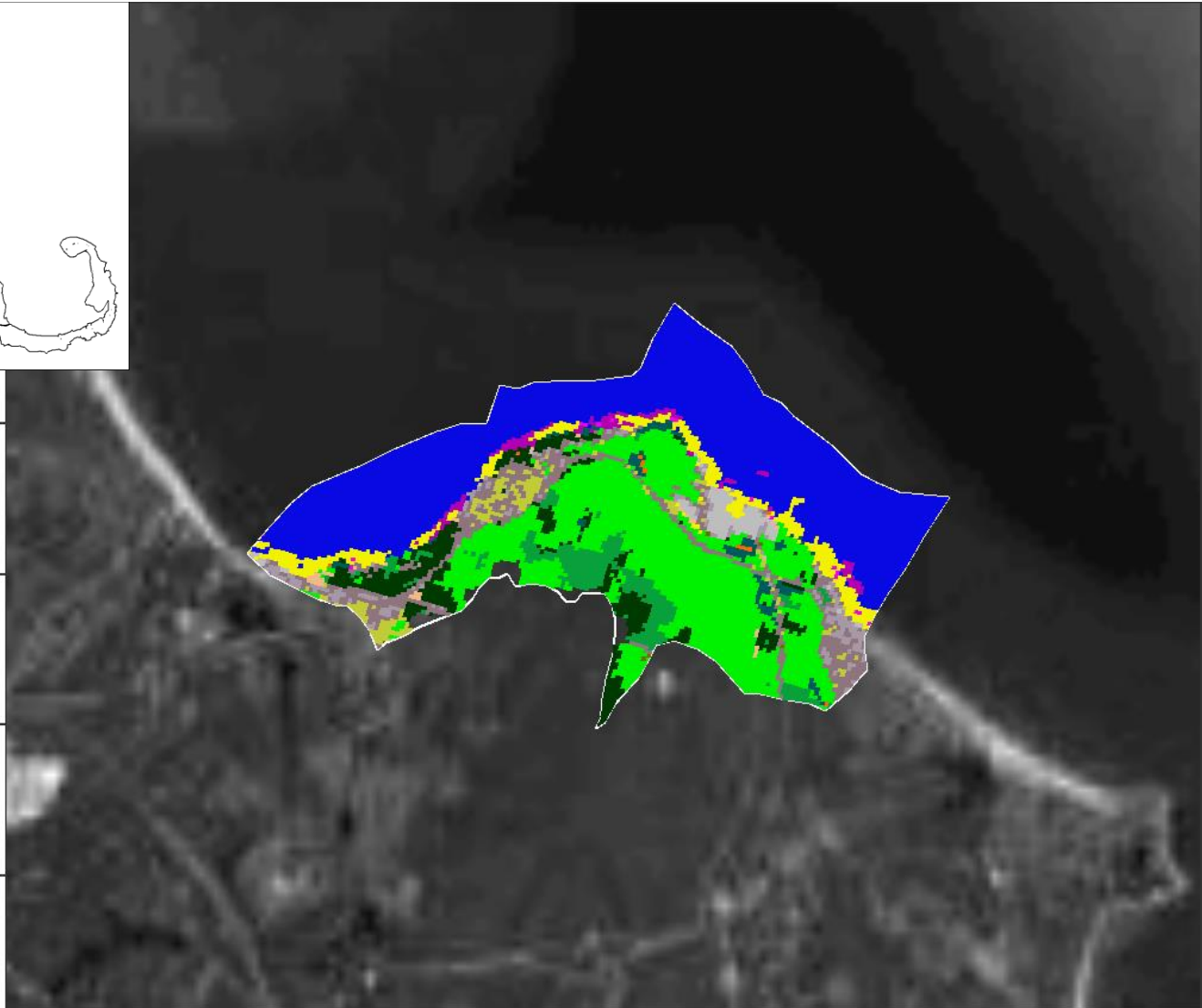


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Beach	-0.1	-0.4	0.1	-0.4
Seagrass	Unclassified Salt Marsh	-0.1	-0.4	0.4	0.0
Seagrass	Open Water	-0.1	-0.4	0.4	-0.4

Rocky Point - 1996



41.95°N
41.94°N
41.93°N
41.92°N



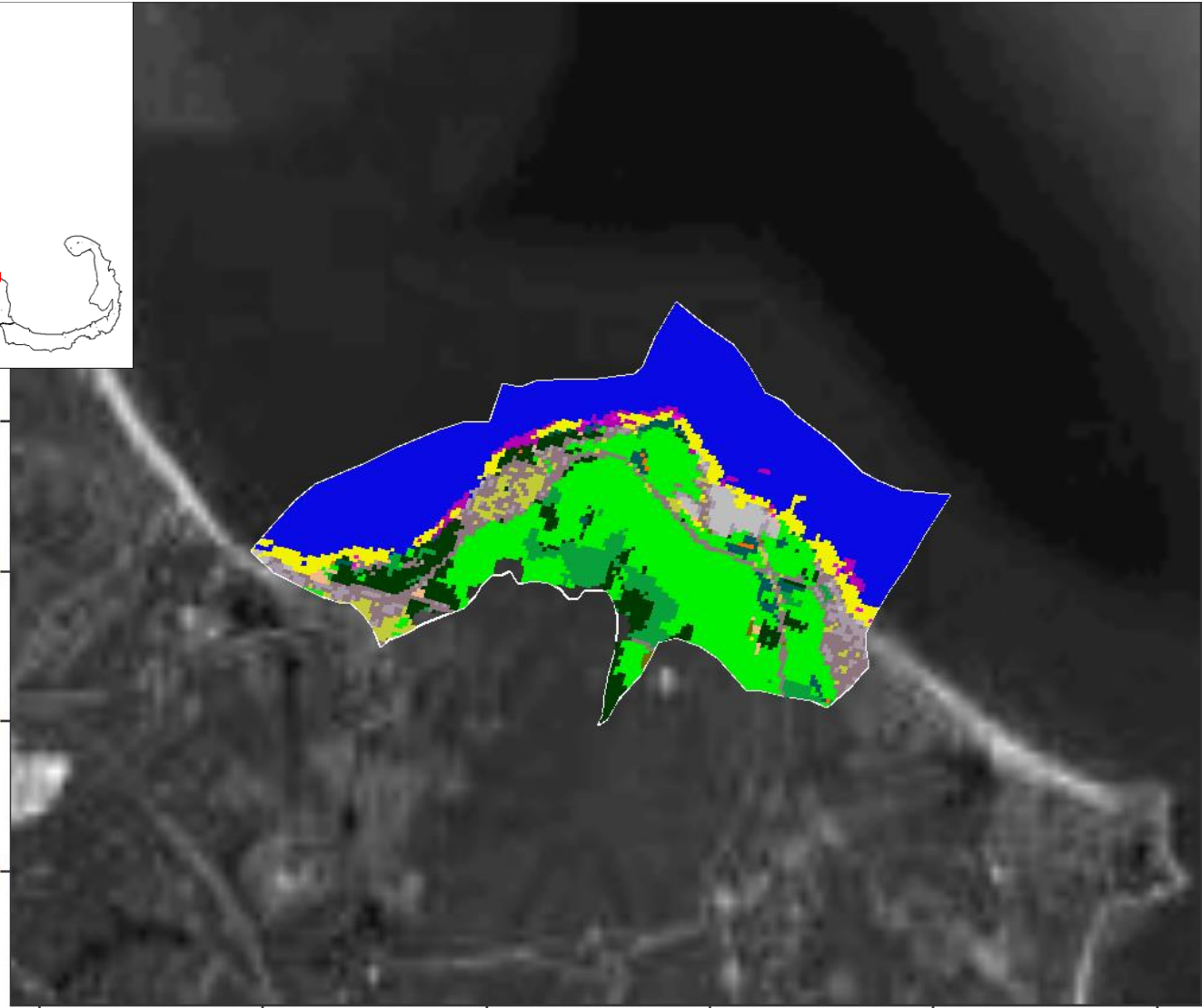
Unclassified Salt Marsh

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,386.2	10.8	0	0	10.8	0	0
Percent Focal	12,799.8	100.0	0	0	100.0	0	0
Percent All	100.0	0.8	0	0	0.8	0	0

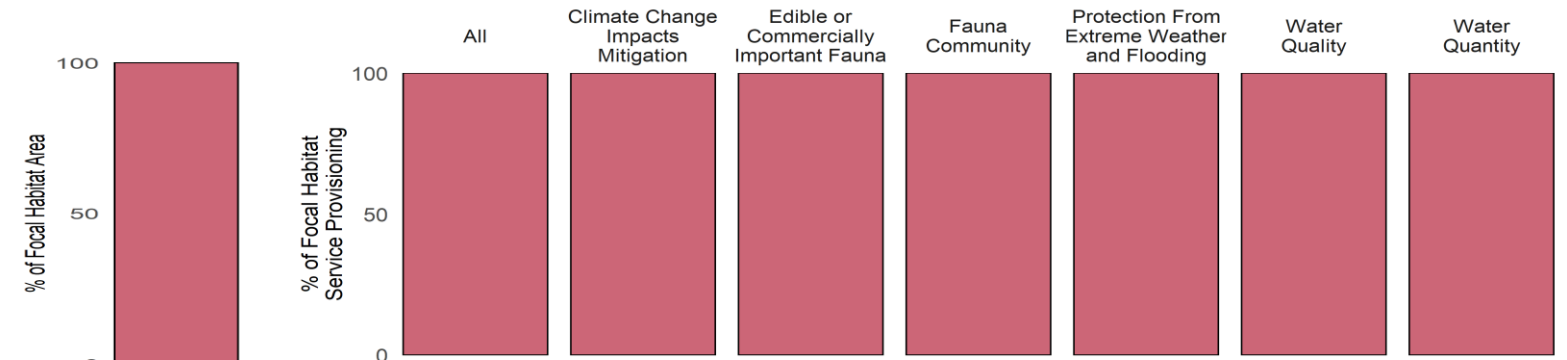
Rocky Point - 2016



41.95°N
41.94°N
41.93°N
41.92°N

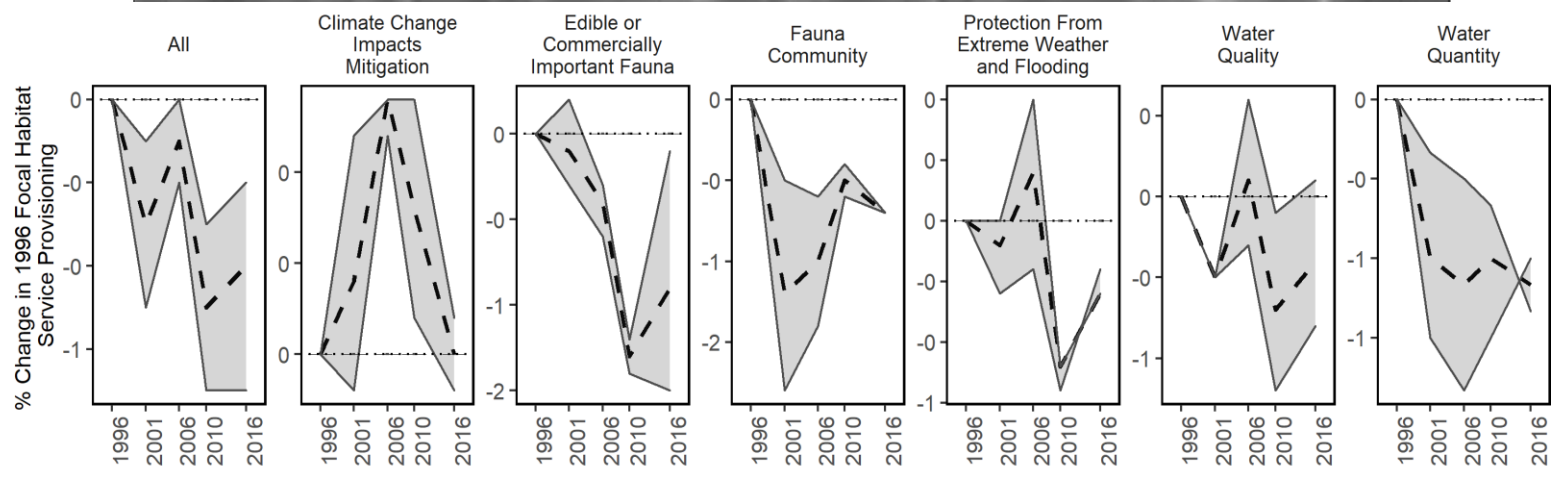
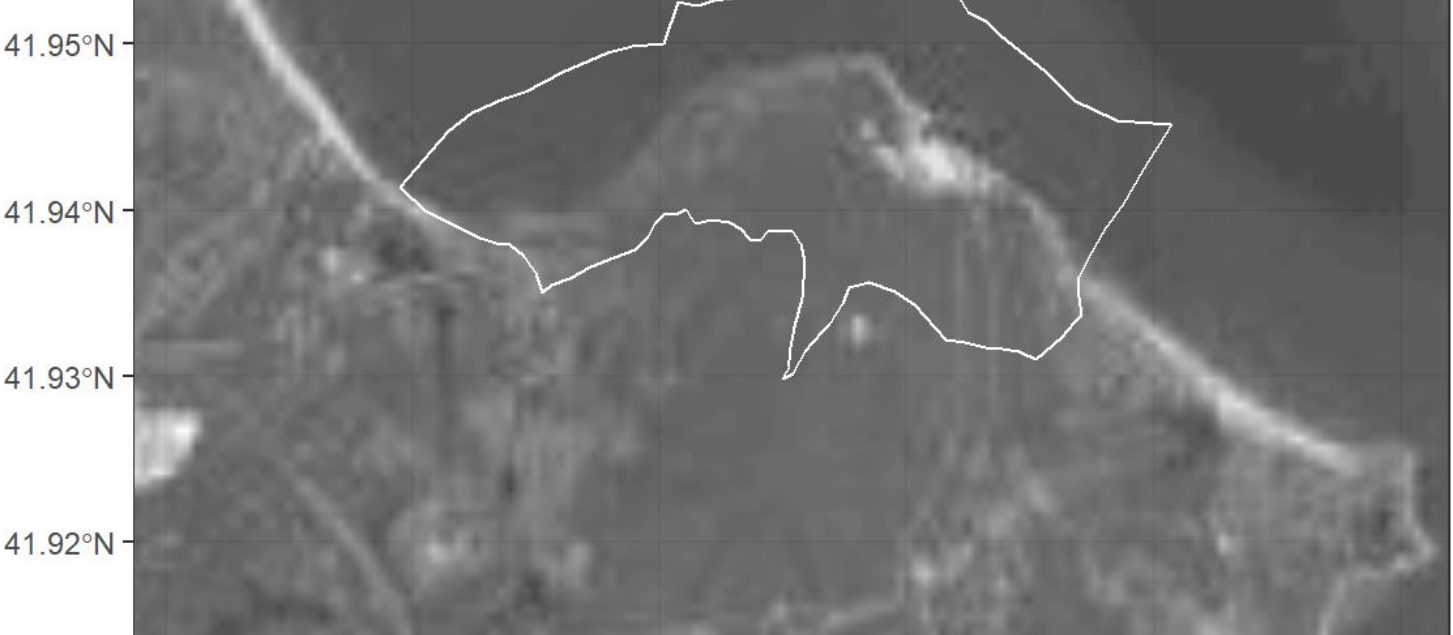
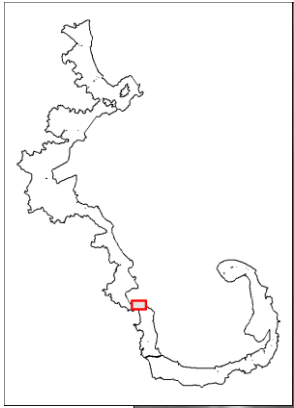


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,386.2	10.8	0	0	10.8	0	0
Percent Focal	12,799.8	100.0	0	0	100.0	0	0
Percent All	100.0	0.8	0	0	0.8	0	0

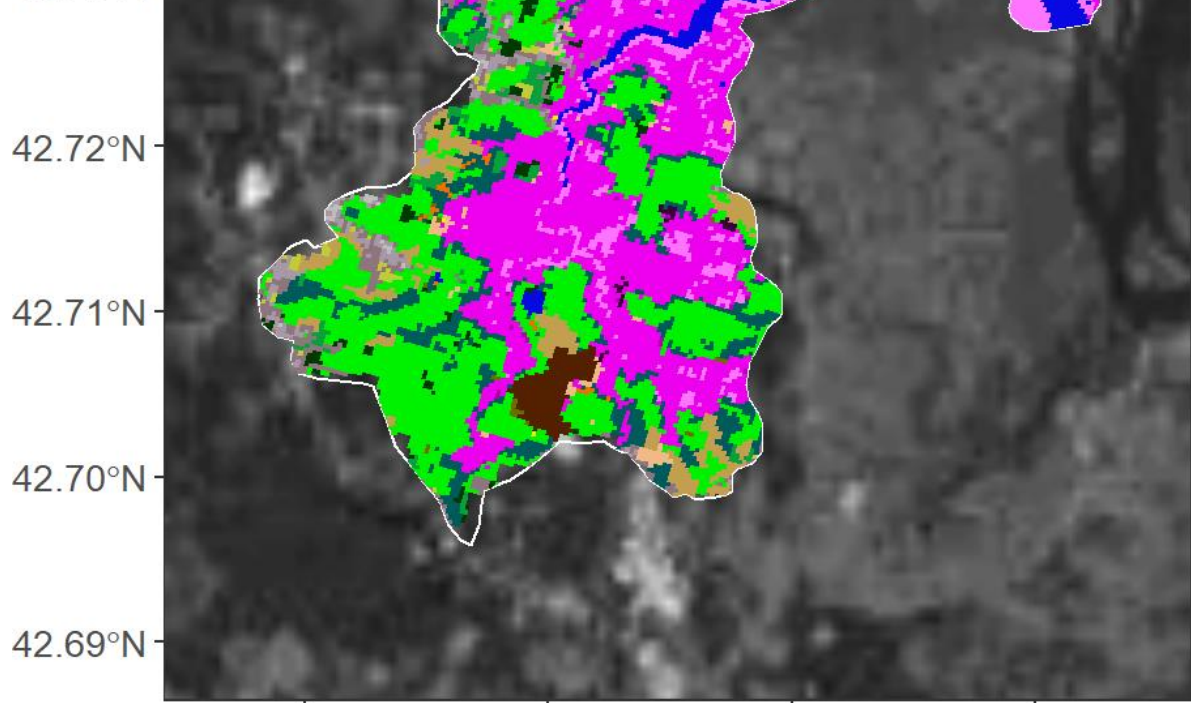
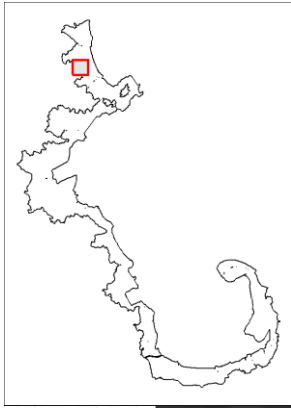
Rocky Point - Change 1996-2016



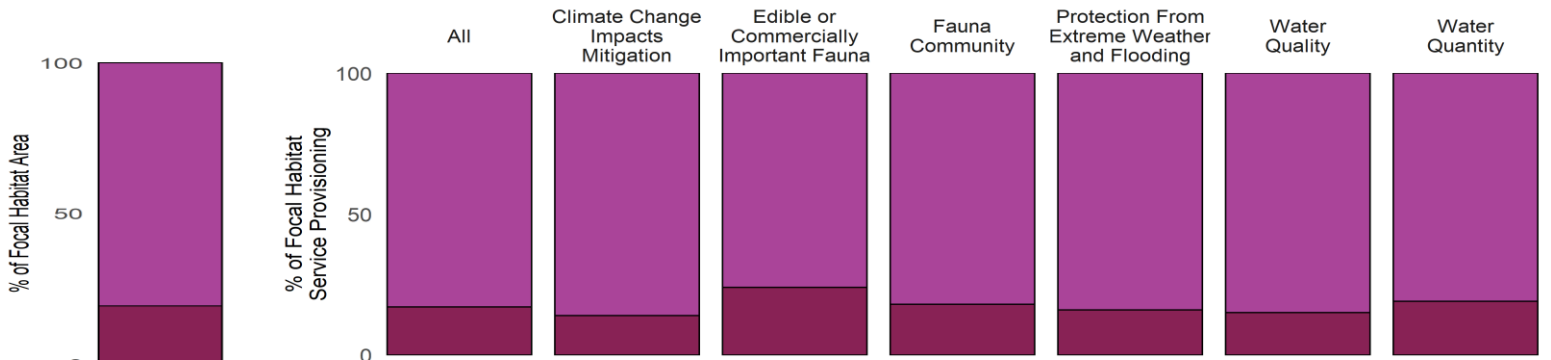
- Unclassified Salt Marsh
- Open Water
- Development
- Beach
- All Others

label
No Focal Habitat Cover Change from 1996-2016

Rowley River - 1996



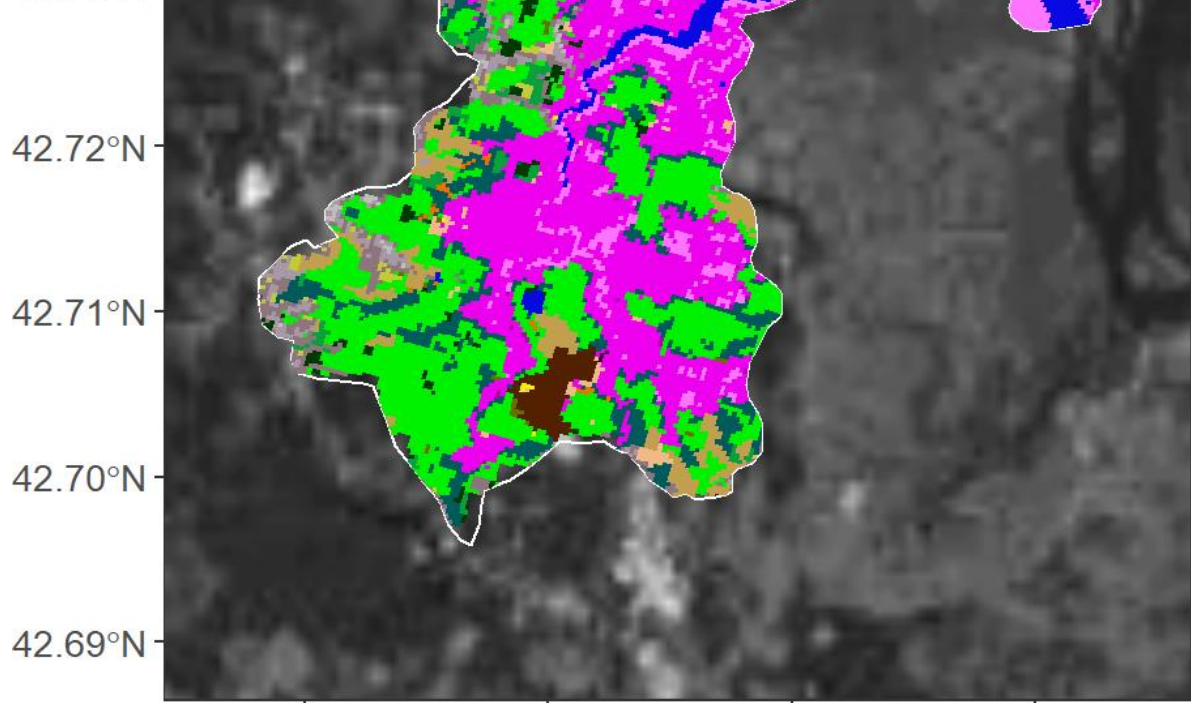
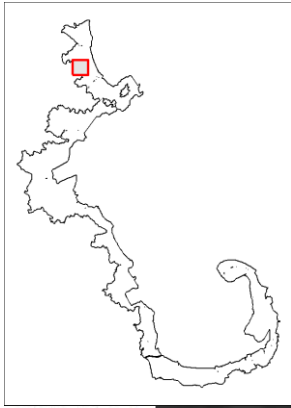
- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
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- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



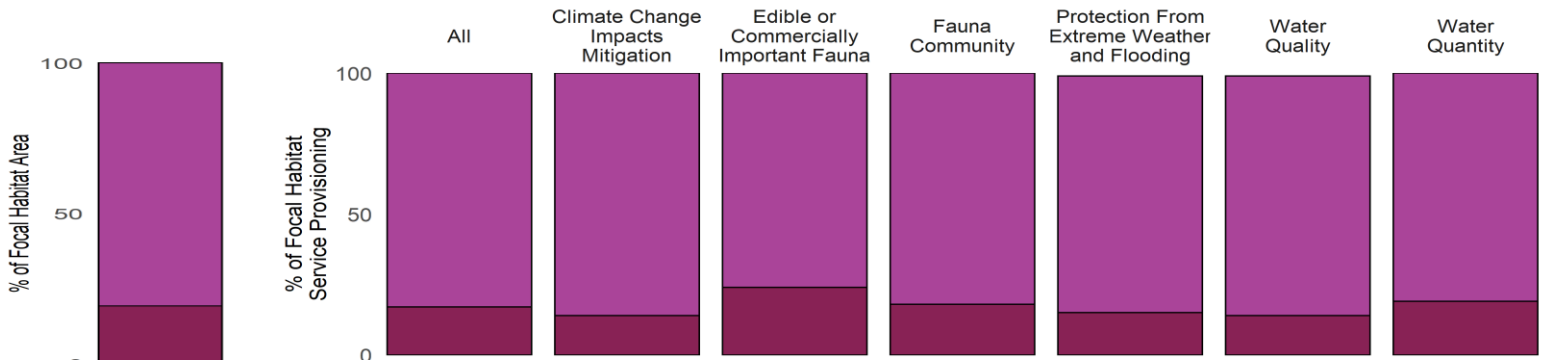
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,389.3	603.0	486.7	114.2	2.1	0	0
Percent Focal	396.2	100.0	80.7	18.9	0.4	0	0
Percent All	100.0	25.2	20.4	4.8	0.1	0	0

Rowley River - 2016



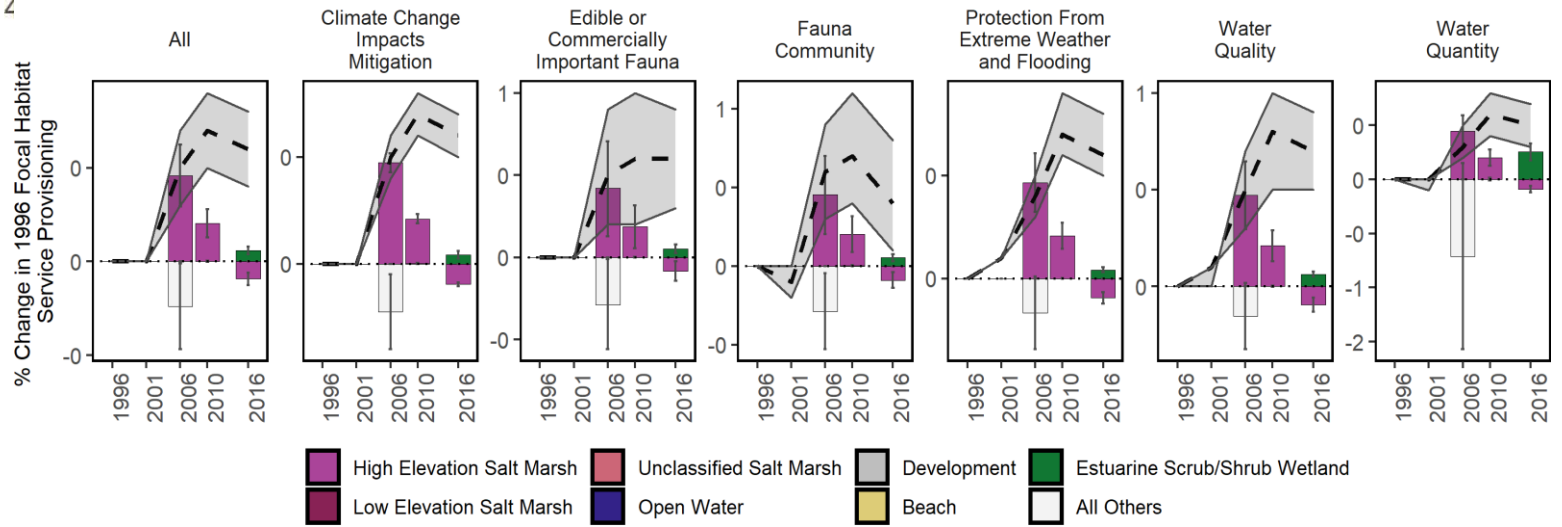
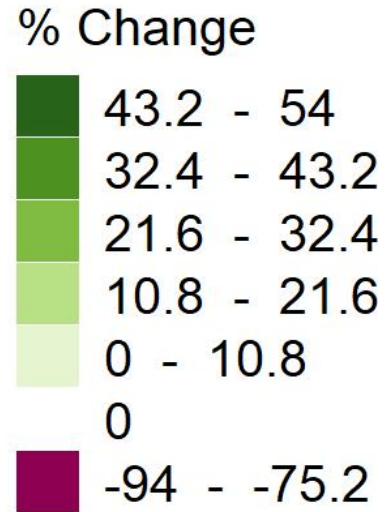
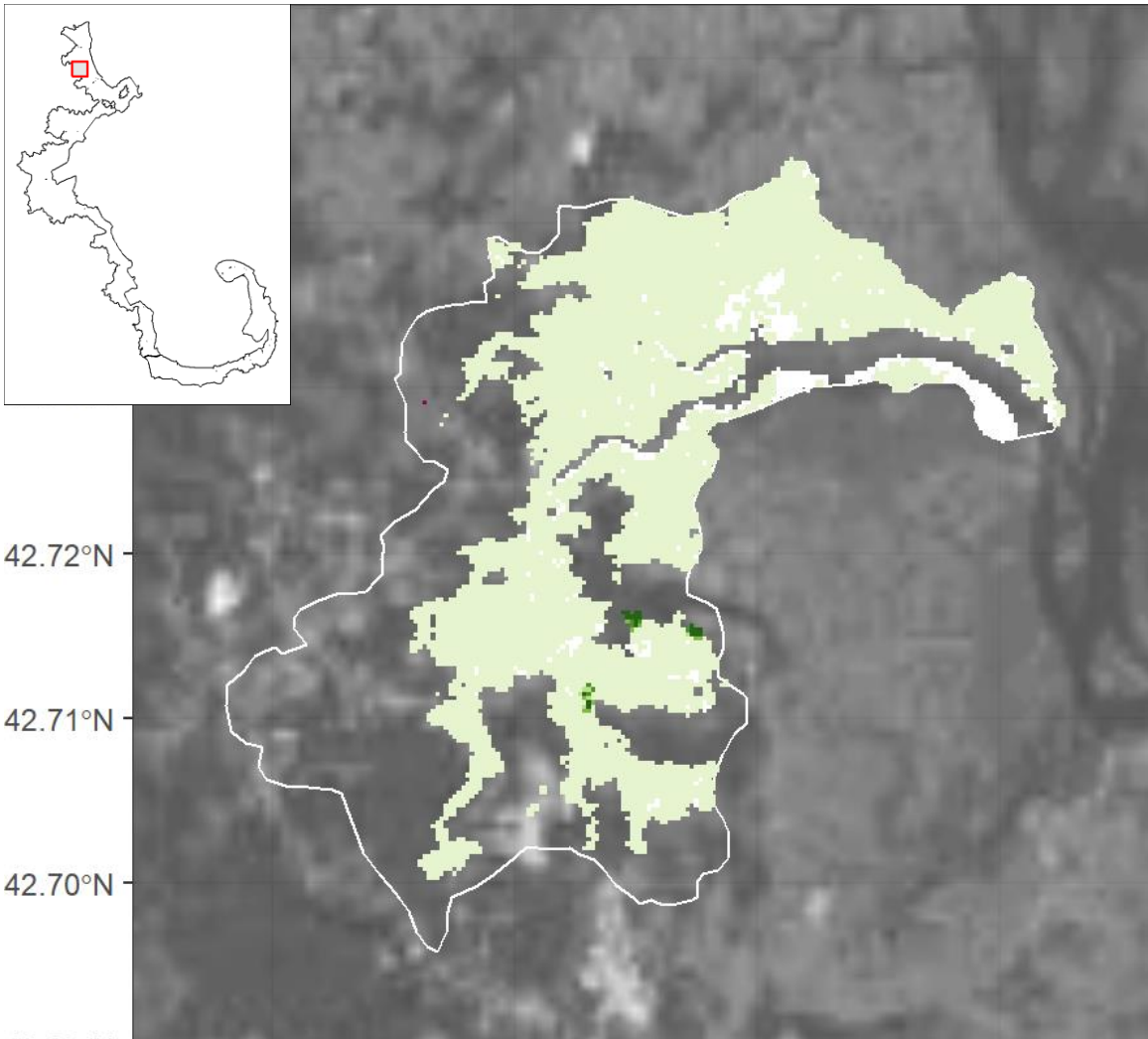
- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
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- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,389.3	604.7	488.4	114.2	2.1	0	0
Percent Focal	395.1	100.0	80.8	18.9	0.4	0	0
Percent All	100.0	25.3	20.4	4.8	0.1	0	0

Rowley River - Change 1996-2016

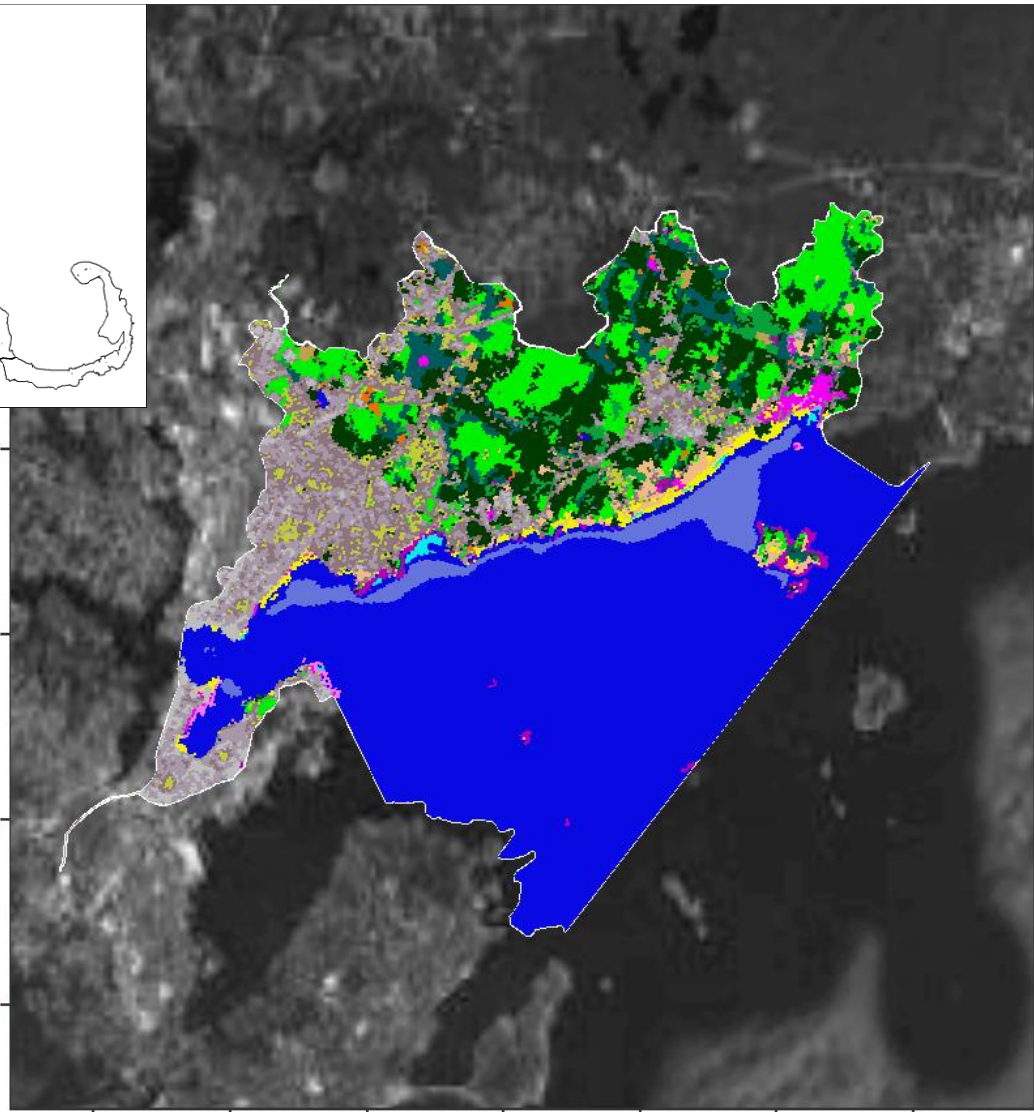


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.4	-0.3	0.1	-0.3
High Elev. Salt Marsh	Development	-0.1	-0.1	0.0	-0.1
High Elev. Salt Marsh	All Others	2.2	1.0	-0.2	1.0

Salem Sound / Beverly Harbor - 1996

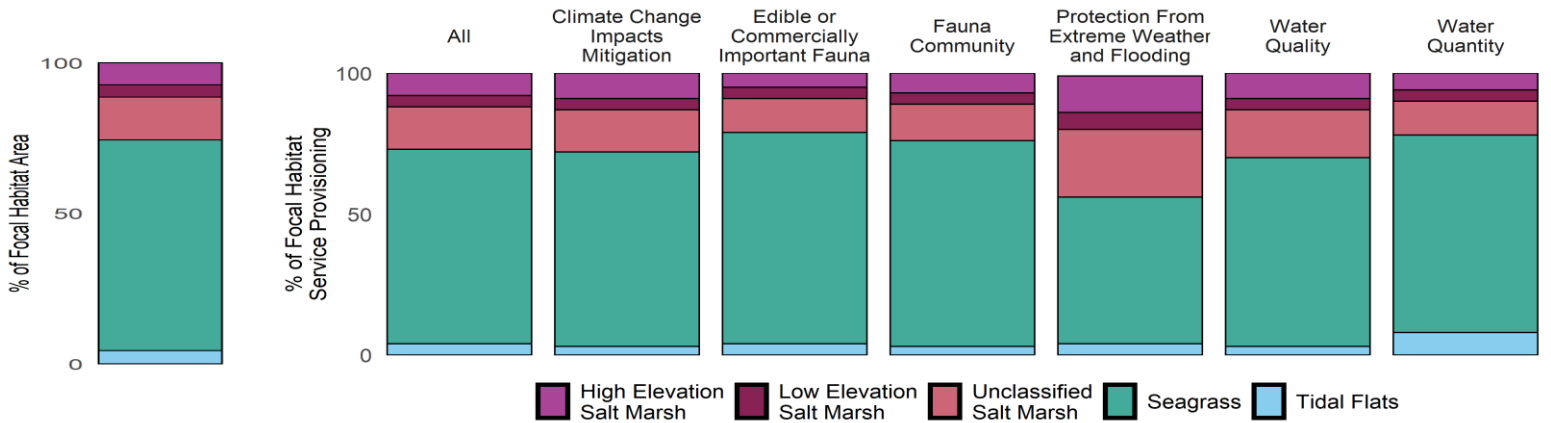


42.56°N
42.54°N
42.52°N
42.50°N



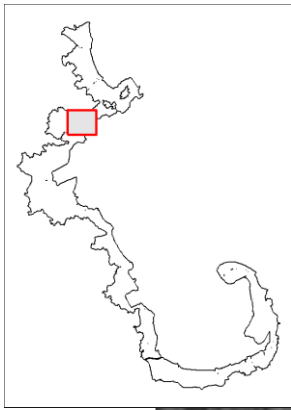
70.90°W 70.88°W 70.86°W 70.84°W 70.82°W 70.80°W 70.78°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
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- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

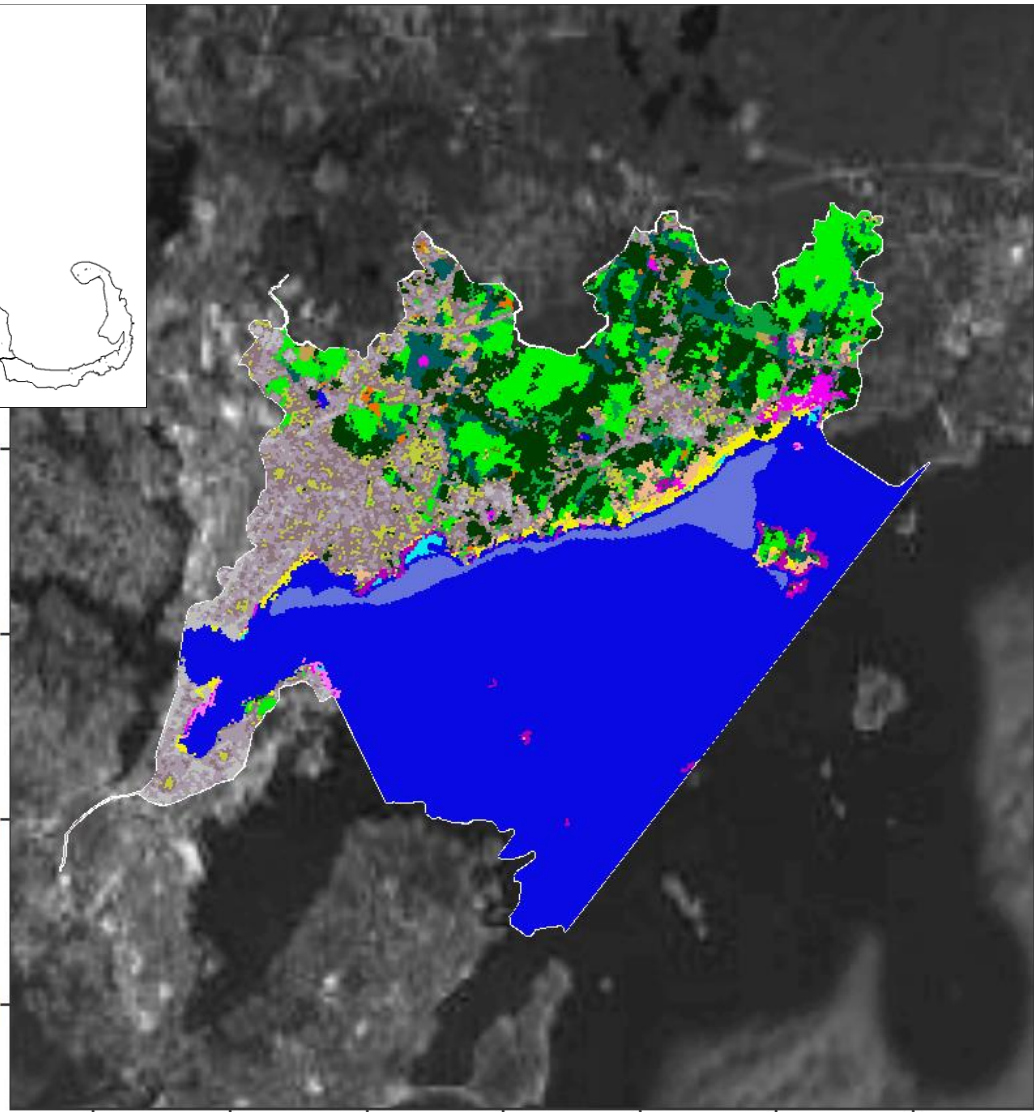


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	8,183.8	233.2	17.0	9.7	33.2	163.2	10.2
Percent Focal	3,509.2	100.0	7.3	4.1	14.2	70.0	4.4
Percent All	100.0	2.8	0.2	0.1	0.4	2.0	0.1

Salem Sound / Beverly Harbor - 2016

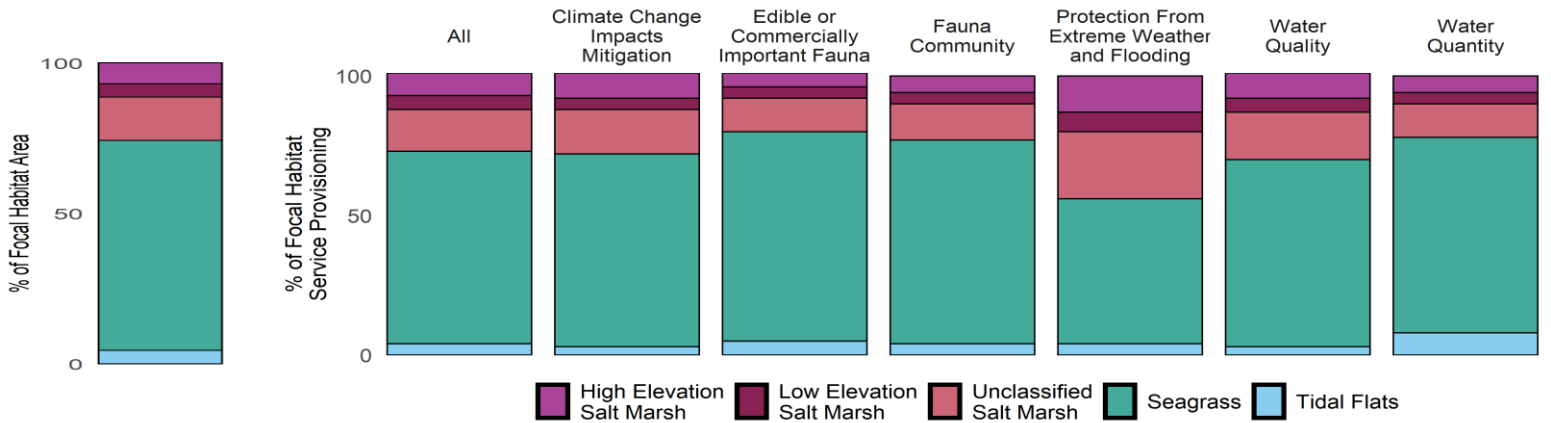


42.56°N
42.54°N
42.52°N
42.50°N



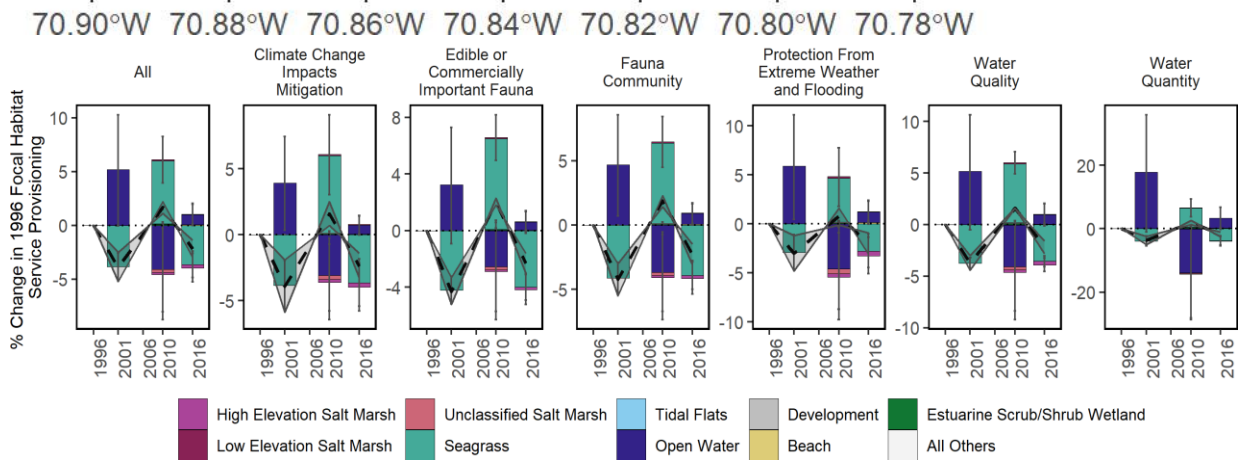
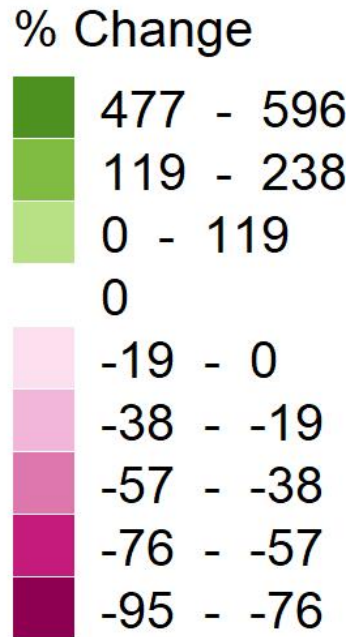
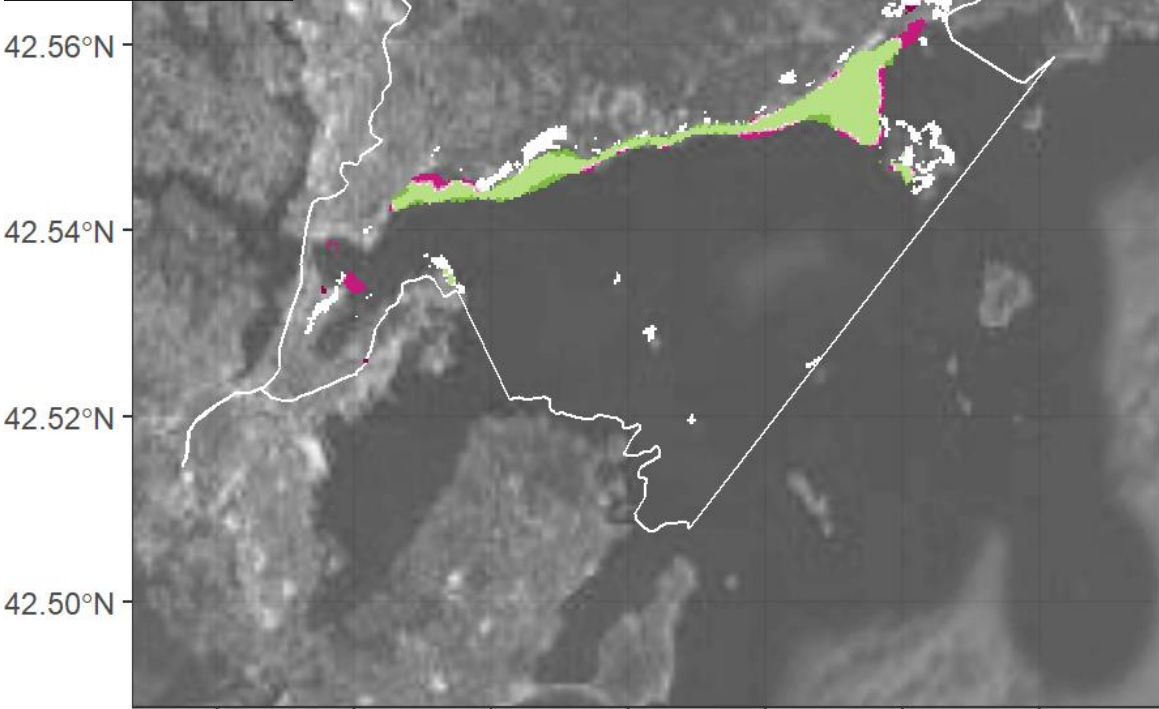
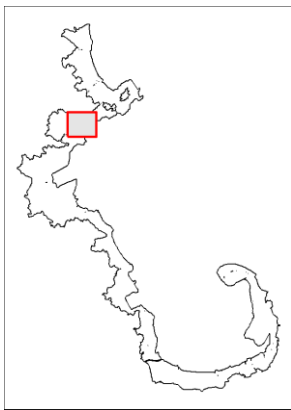
70.90°W 70.88°W 70.86°W 70.84°W 70.82°W 70.80°W 70.78°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
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- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



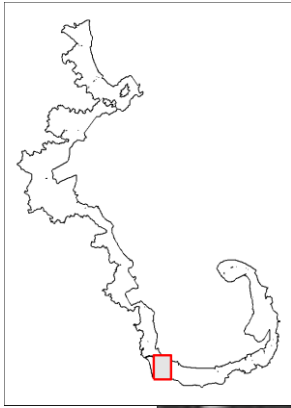
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	8,183.8	227.2	15.9	9.9	32.6	158.5	10.2
Percent Focal	3,602.8	100.0	7.0	4.4	14.4	69.8	4.5
Percent All	100.0	2.8	0.2	0.1	0.4	1.9	0.1

Salem Sound / Beverly Harbor - Change 1996-2016

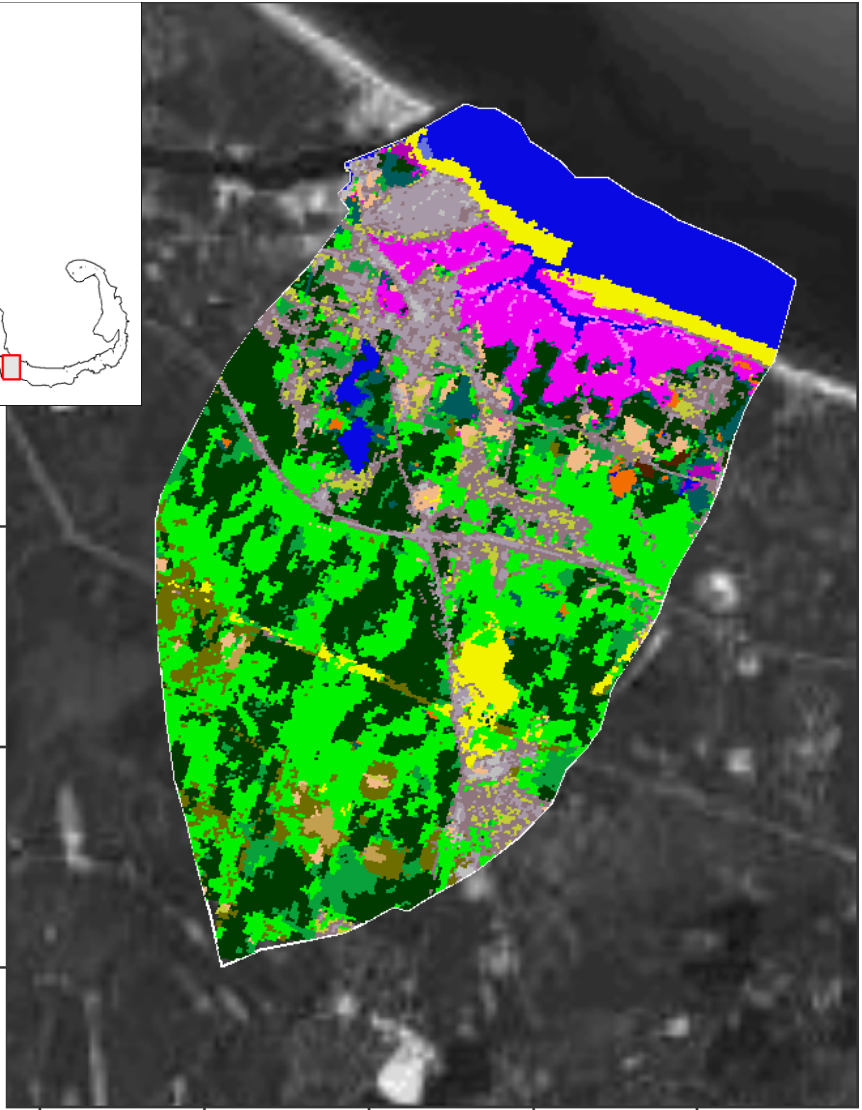


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-5.0	-1.8	2.9	-1.8
High Elev. Salt Marsh	Development	-0.7	-0.3	0.1	-0.3
High Elev. Salt Marsh	Beach	-0.4	-0.2	0.0	-0.2
Unclassified Salt Marsh	Development	-0.2	-0.1	0.0	-0.1
Unclassified Salt Marsh	Seagrass	-0.2	-0.1	0.1	0.0
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.1	0.0	0.1	0.0
Unclassified Salt Marsh	All Others	-0.1	0.0	0.1	0.0
Seagrass	Beach	0.1	0.0	0.0	0.0
Low Elev. Salt Marsh	Open Water	0.3	0.1	-0.9	0.1

Sandwich Harbor - 1996

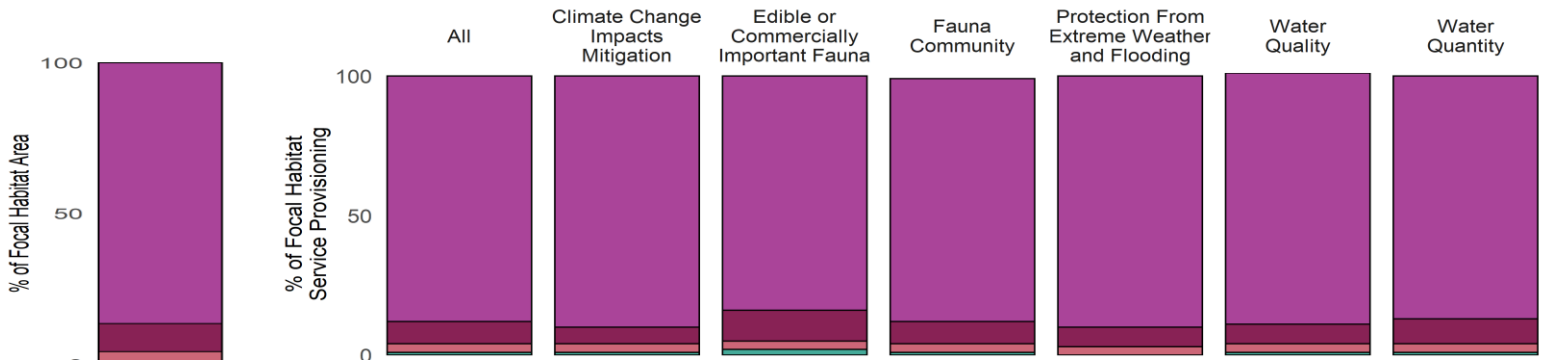


41.74°N
41.72°N
41.70°N



70.54°W 70.52°W 70.50°W 70.48°W 70.46°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



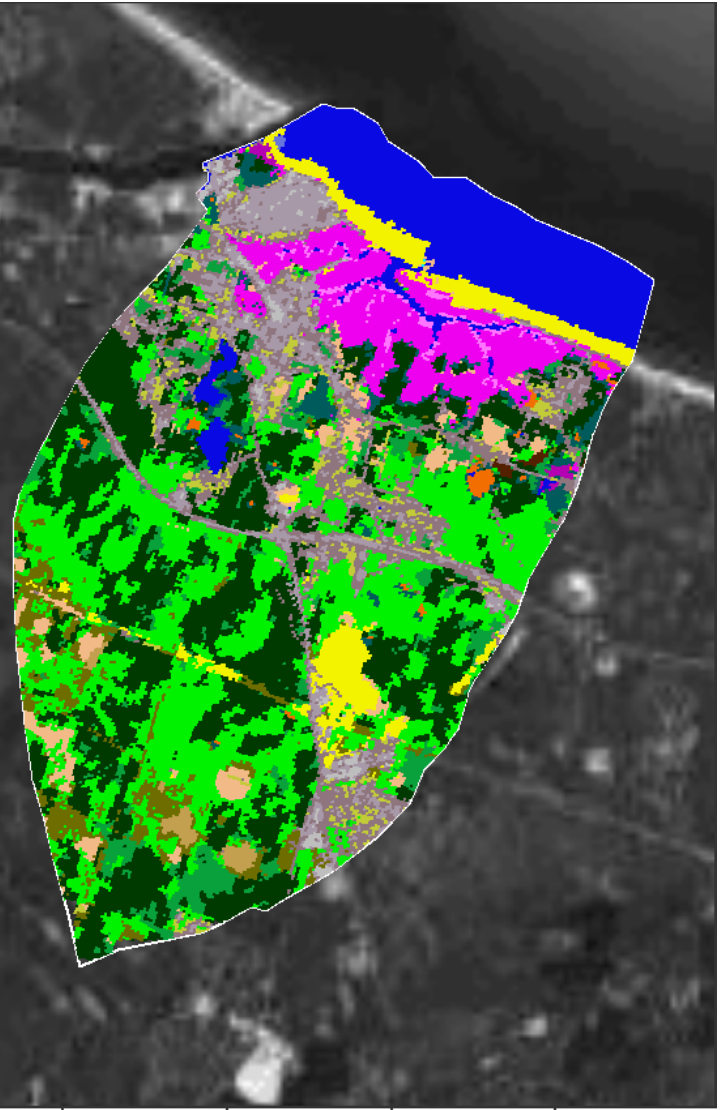
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh
- Seagrass
- Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	6,345.5	229.0	198.1	21.4	7.4	2.1	0
Percent Focal	2,771.4	100.0	86.5	9.3	3.2	0.9	0
Percent All	100.0	3.6	3.1	0.3	0.1	0.0	0

Sandwich Harbor - 2016

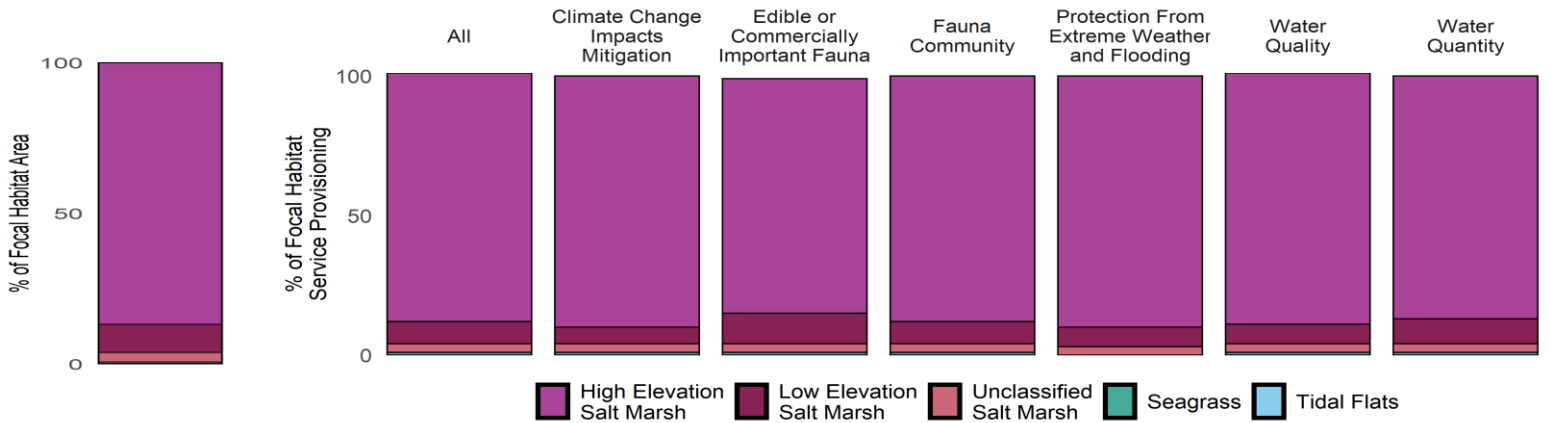


41.74°N
41.72°N
41.70°N



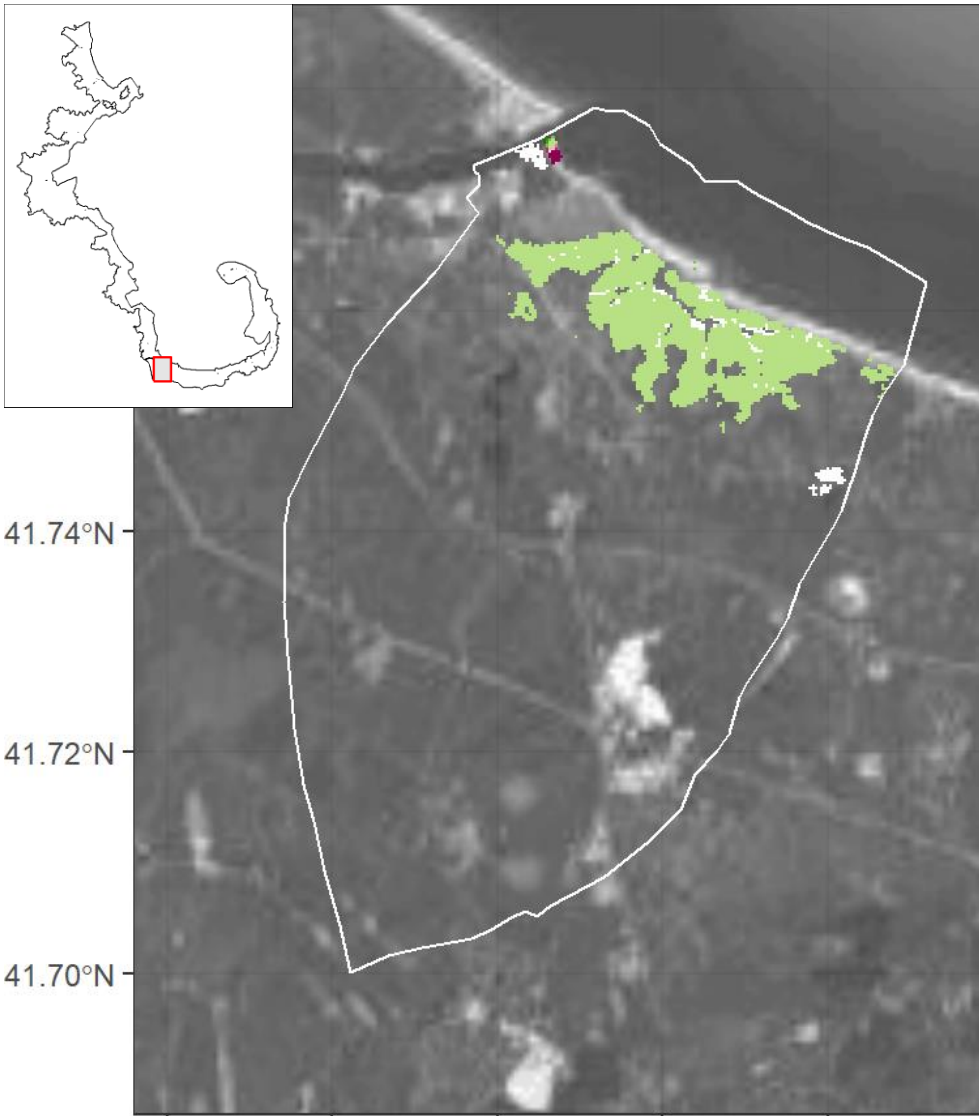
70.54°W 70.52°W 70.50°W 70.48°W 70.46°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

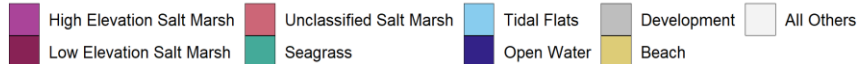
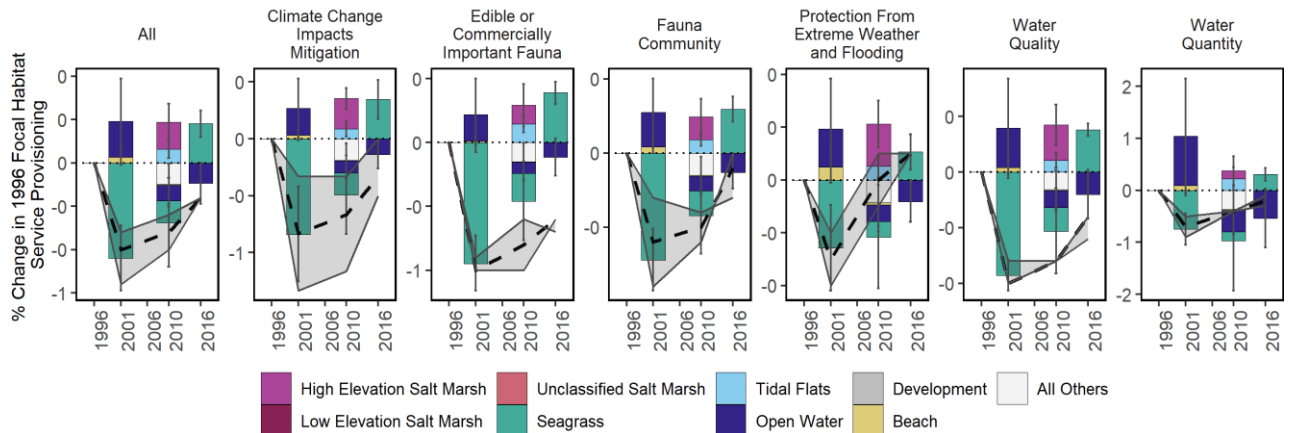
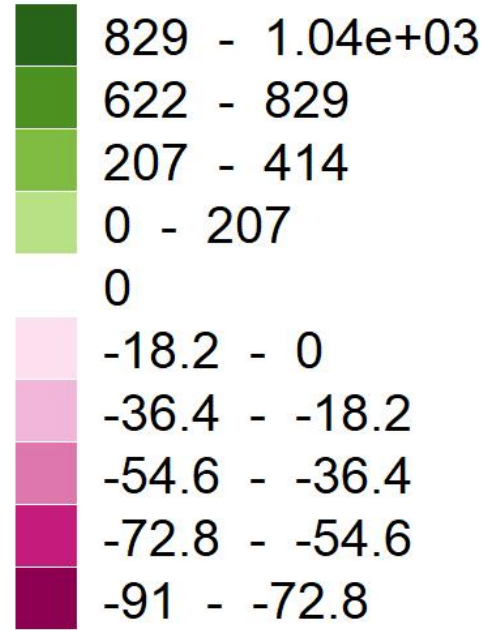


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	6,345.5	228.5	198.4	21.4	7.4	1.2	0.2
Percent Focal	2,776.9	100.0	86.8	9.3	3.2	0.5	0.1
Percent All	100.0	3.6	3.1	0.3	0.1	0.0	0.0

Sandwich Harbor - Change 1996-2016



% Change

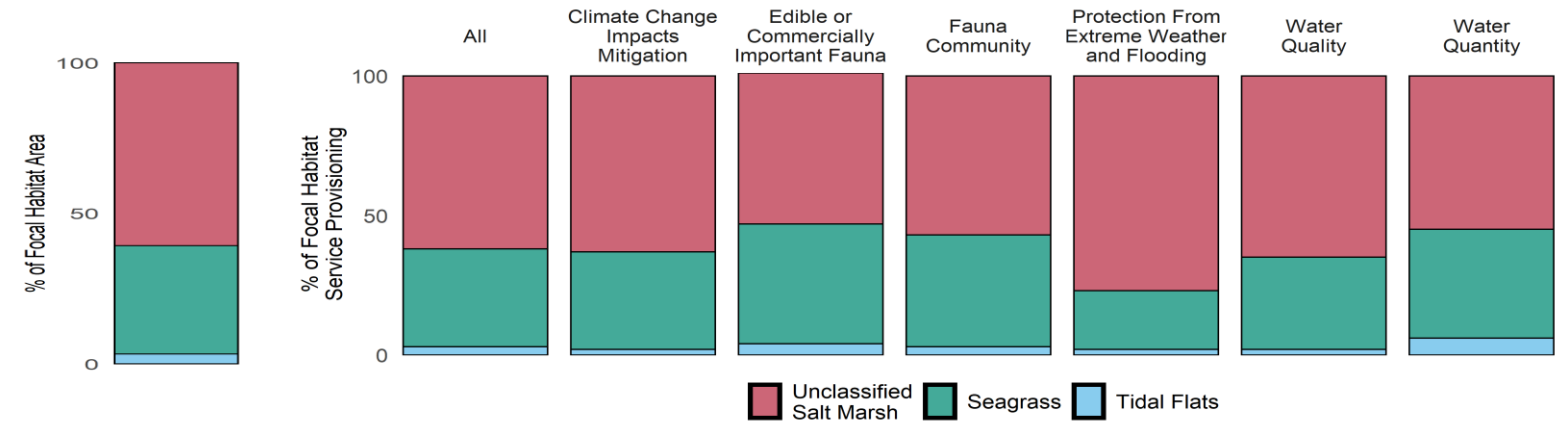


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-0.6	-0.3	-0.1	-0.3
Seagrass	Beach	-0.3	-0.1	0.0	-0.1
Tidal Flats	Open Water	0.2	0.1	0.1	0.1
High Elev. Salt Marsh	All Others	0.3	0.2	-0.1	0.2

Saugus River / Pines River / Lynn Harbor - 1996



- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass

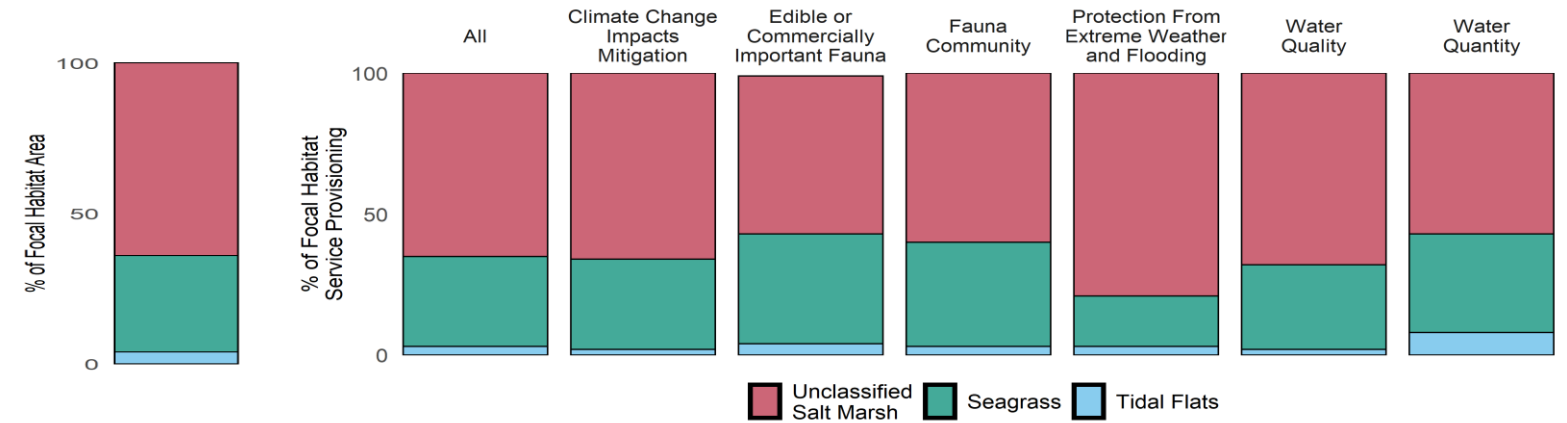


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	12,736.0	844.2	0	0	512.8	304.0	27.4
Percent Focal	1,508.6	100.0	0	0	60.7	36.0	3.3
Percent All	100.0	6.6	0	0	4.0	2.4	0.2

Saugus River / Pines River / Lynn Harbor - 2016

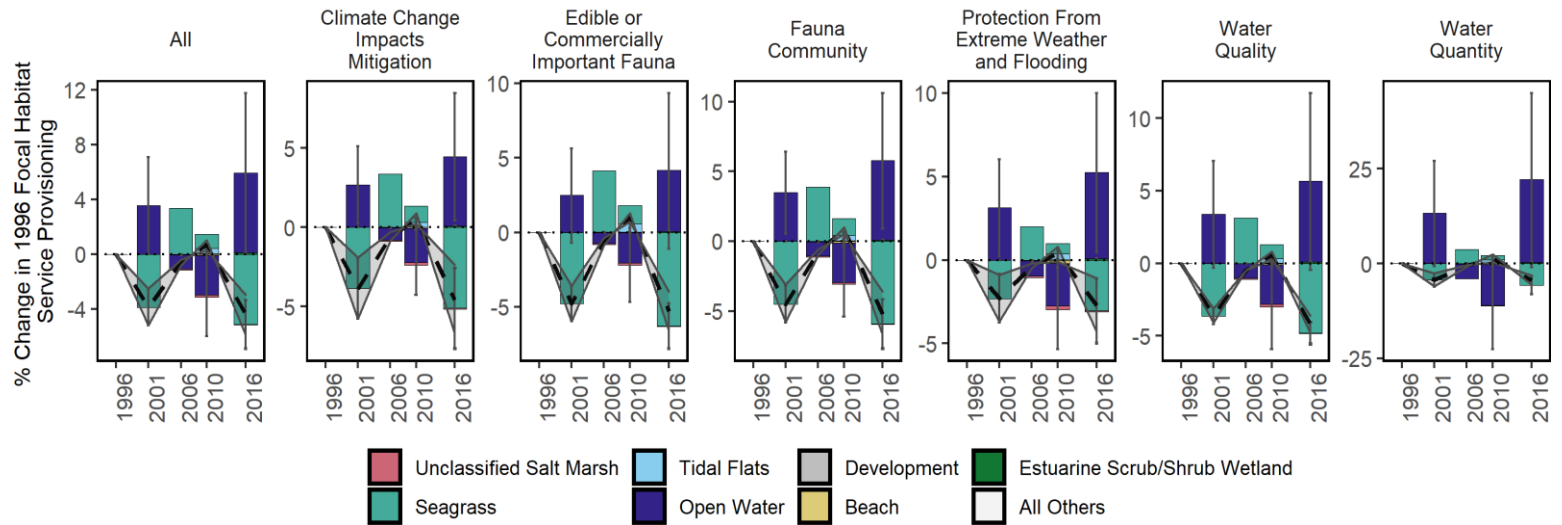
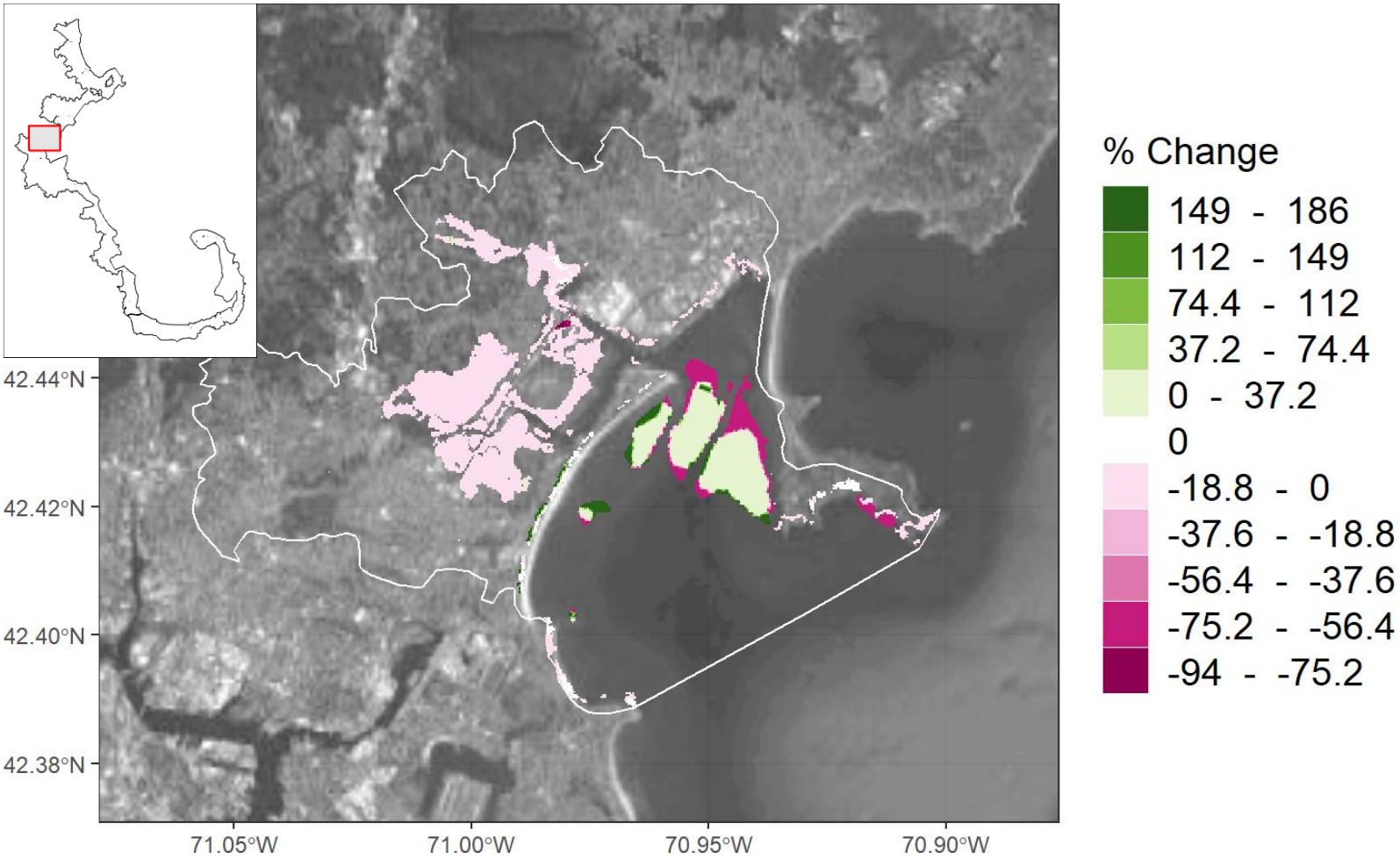


- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass



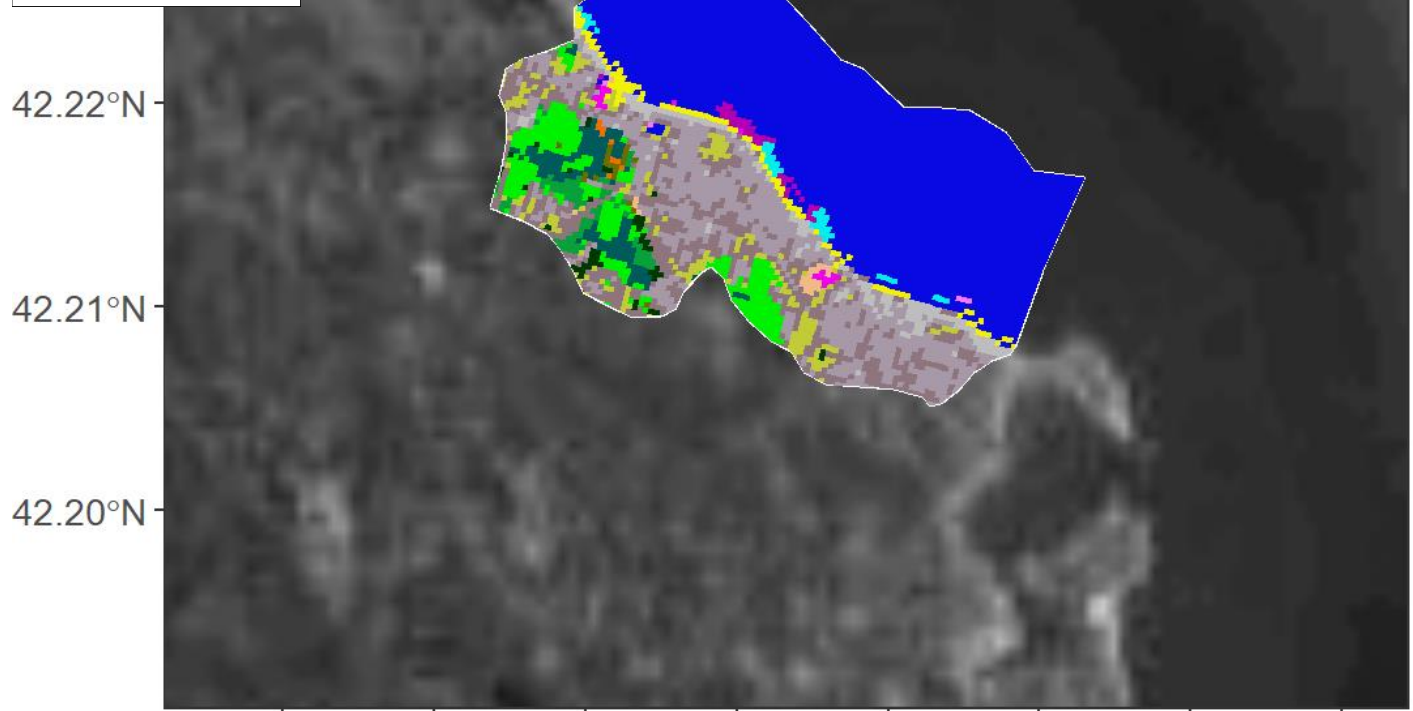
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	12,736.0	796.6	0	0	510.4	254.6	31.6
Percent Focal	1,598.8	100.0	0	0	64.1	32.0	4.0
Percent All	100.0	6.3	0	0	4.0	2.0	0.2

Saugus River / Pines River / Lynn Harbor - Change 1996-2016

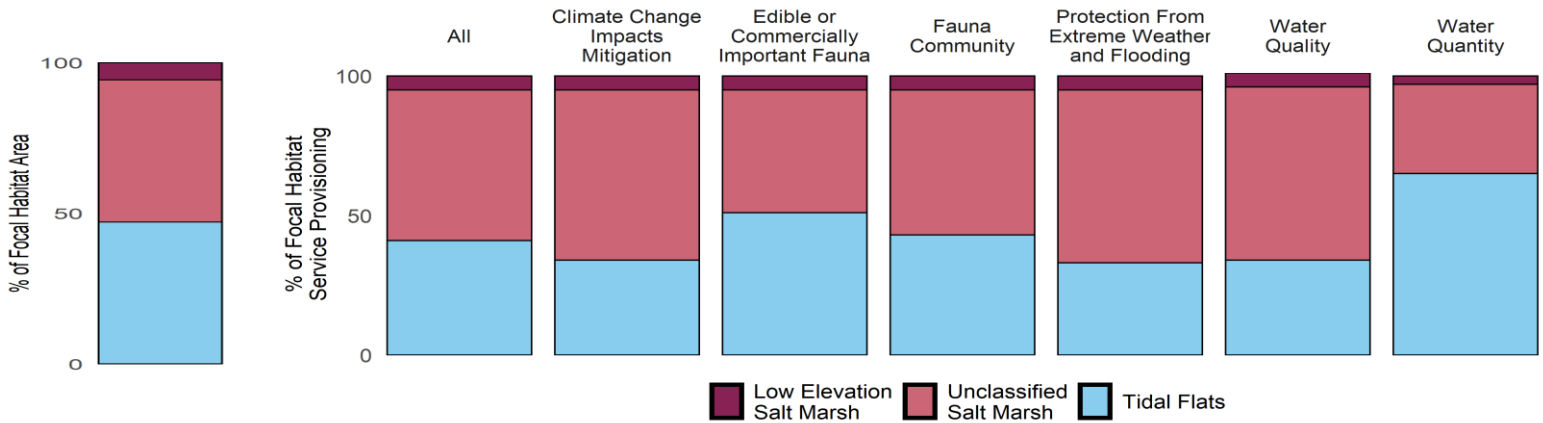


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-49.4	-4.6	5.5	-4.6
Unclassified Salt Marsh	Development	-1.6	-0.2	0.0	-0.2
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.4	-0.1	0.1	-0.1
Unclassified Salt Marsh	Beach	-0.4	0.0	0.0	0.0
Unclassified Salt Marsh	Open Water	-0.2	0.0	0.0	0.0
Unclassified Salt Marsh	All Others	0.3	0.0	0.0	0.0
Tidal Flats	Beach	4.1	0.4	-0.1	0.4

Scituate / Cohasset Coast - 1996

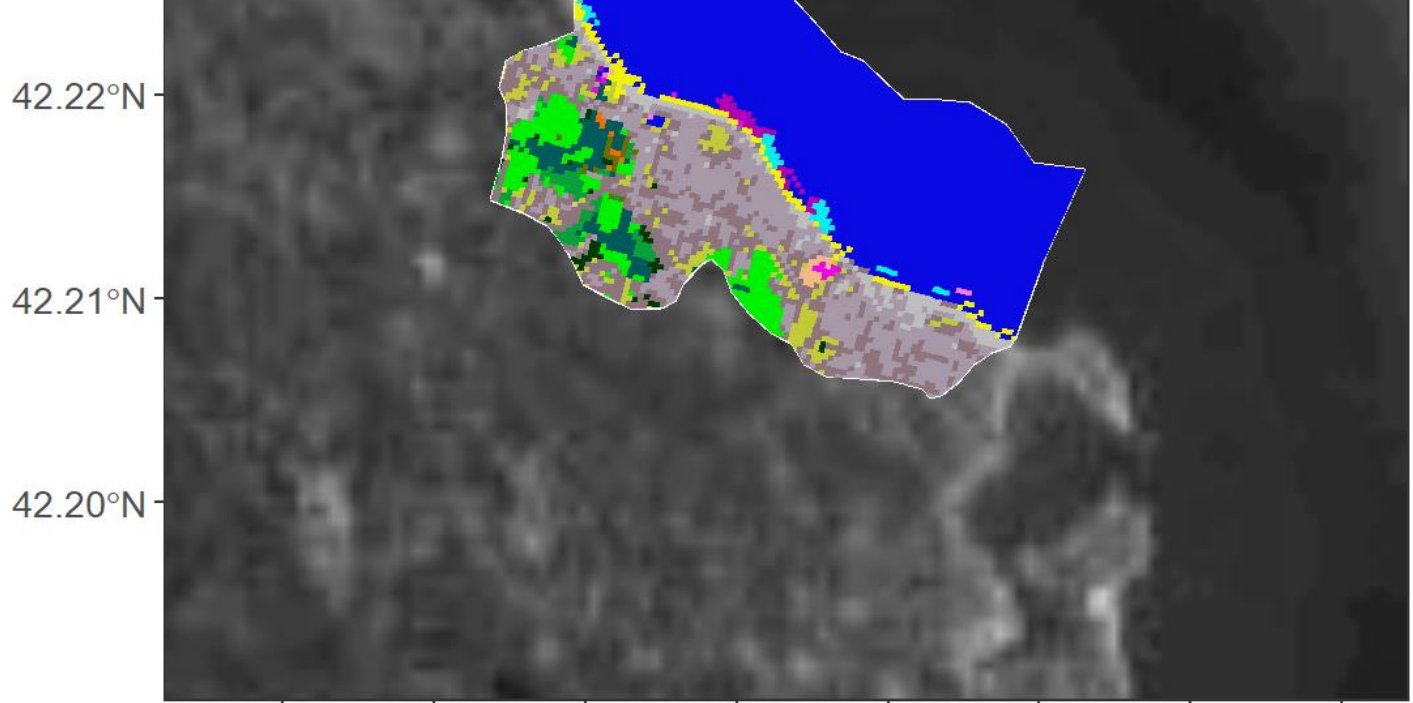


- | | | | |
|-----------------------------|-----------------------------|--------------------------------|--------------------------|
| Developed, High Intensity | Grassland/Herbaceous | Palustrine Scrub/Shrub Wetland | High Elevation Saltmarsh |
| Developed, Medium Intensity | Deciduous Forest | Palustrine Emergent Wetland | Tidal Flats |
| Developed, Low Intensity | Evergreen Forest | Estuarine Forested Wetland | Beach |
| Developed, Open Space | Mixed Forest | Estuarine Scrub/Shrub Wetland | Open Water |
| Cultivated Crops | Scrub/Shrub | Unclassified Saltmarsh | Palustrine Aquatic Bed |
| Pasture/Hay | Palustrine Forested Wetland | Low Elevation Saltmarsh | Seagrass |

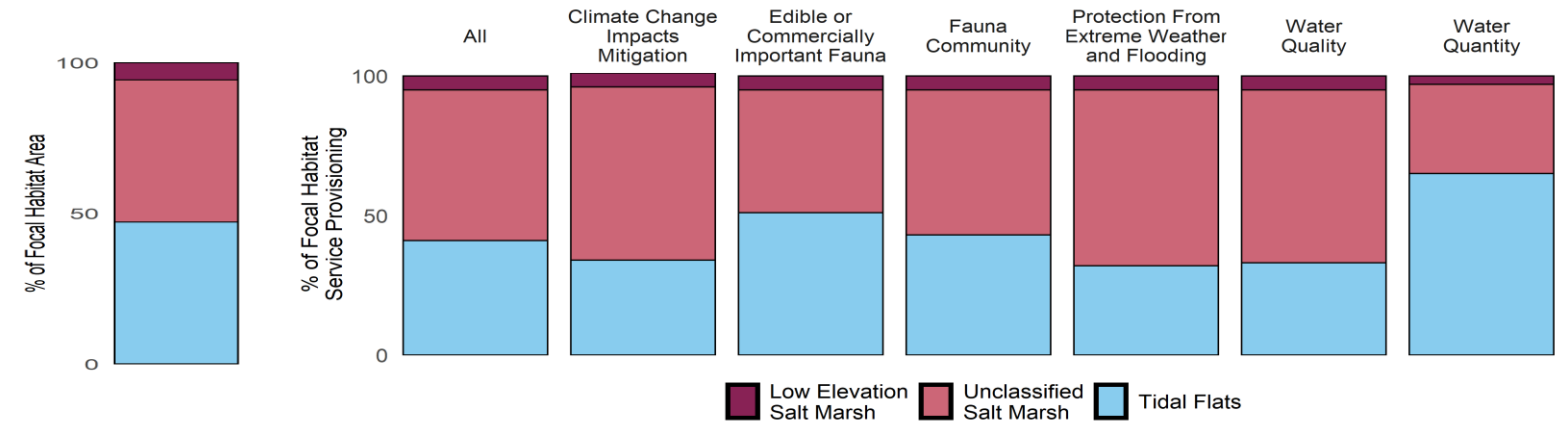


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	867.9	7.8	0	0.4	3.7	0	3.7
Percent Focal	11,084.9	100.0	0	5.7	47.1	0	47.1
Percent All	100.0	0.9	0	0.1	0.4	0	0.4

Scituate / Cohasset Coast - 2016

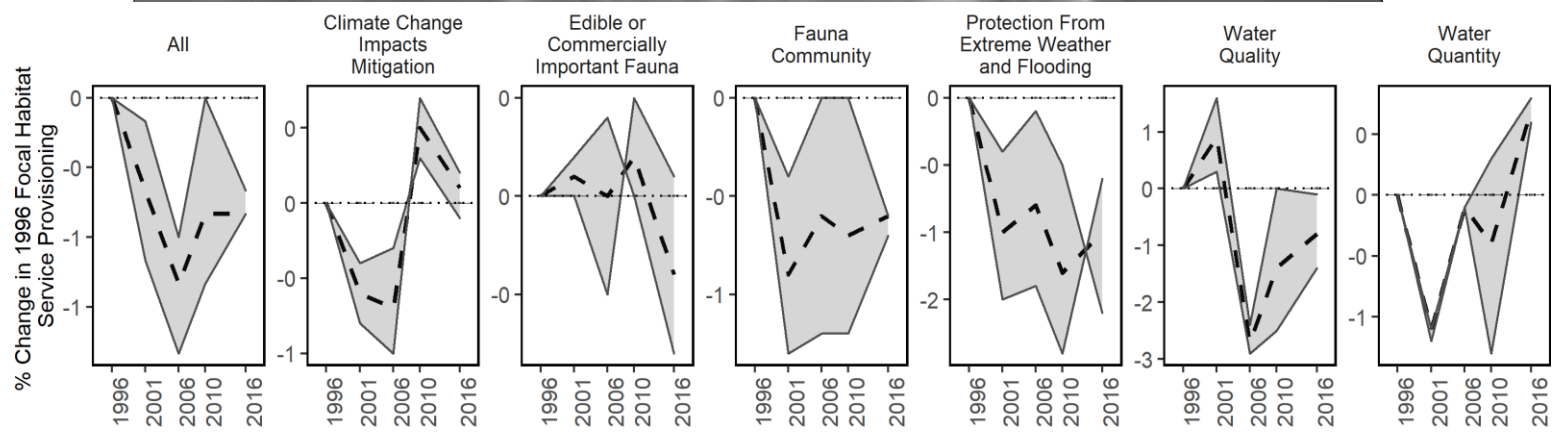
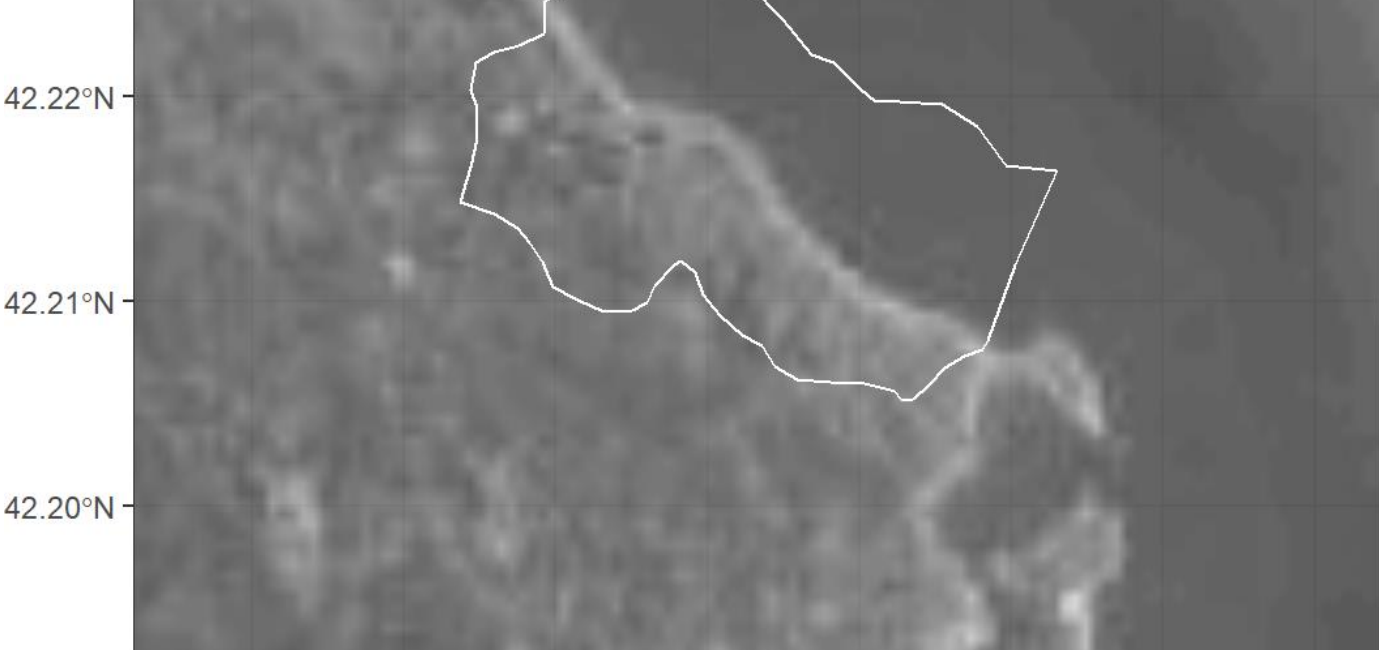
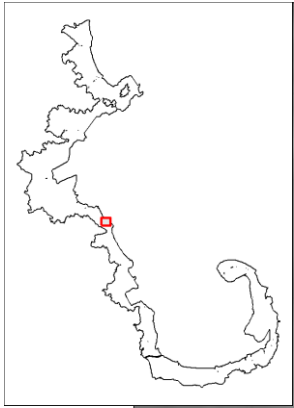


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Estuarine Forested Wetland
- Beach
- Developed, Medium Intensity
- Evergreen Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Developed, Low Intensity
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Developed, Open Space
- Low Elevation Saltmarsh
- Seagrass
- Cultivated Crops
- Palustrine Forested Wetland
- Pasture/Hay



Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	867.9	7.8	0	0.4	3.7	0	3.7
Percent Focal	11,084.9	100.0	0	5.7	47.1	0	47.1
Percent All	100.0	0.9	0	0.1	0.4	0	0.4

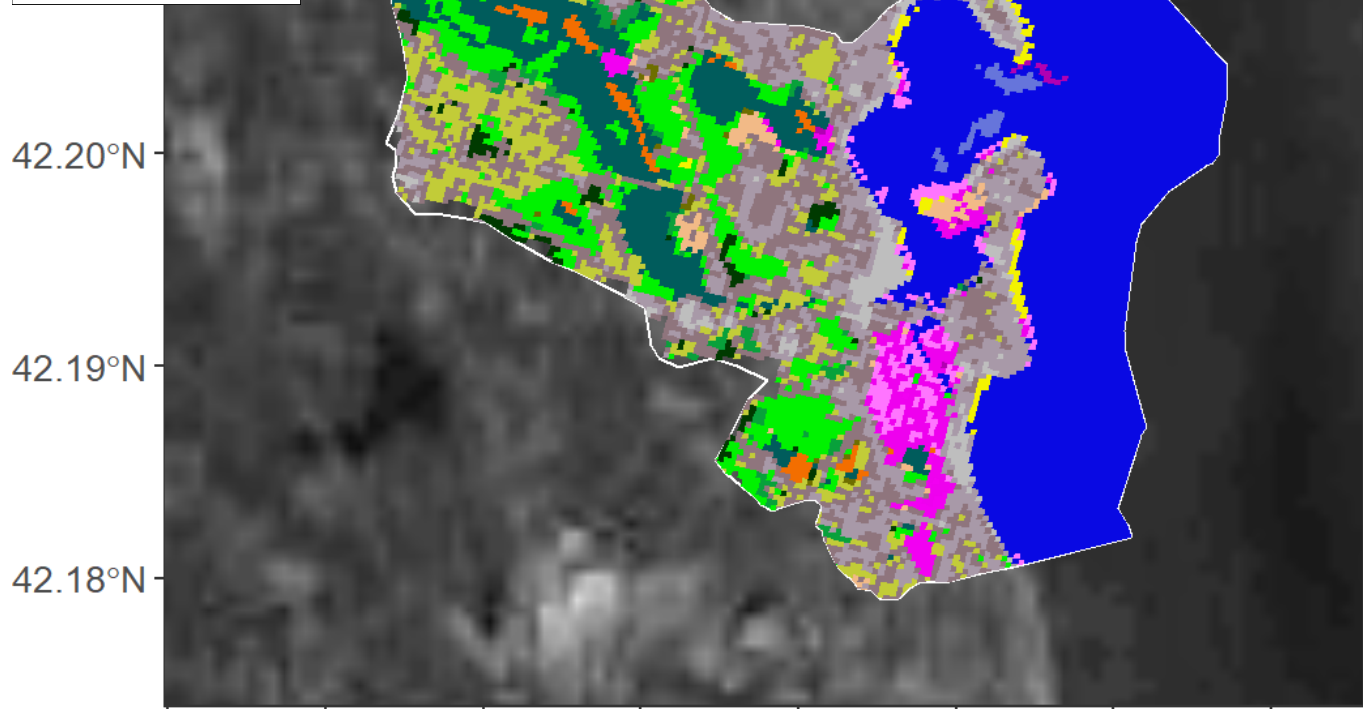
Scituate / Cohasset Coast - Change 1996-2016



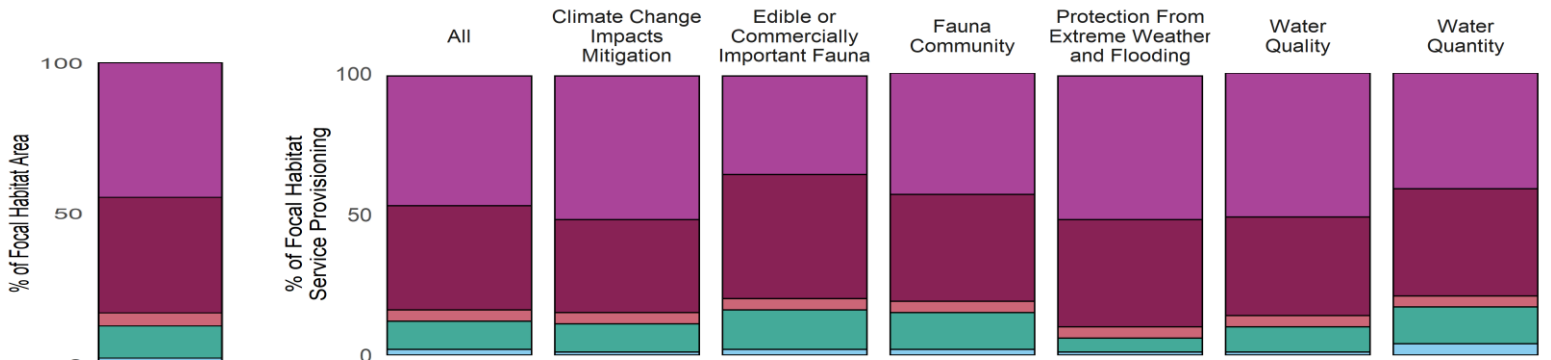
- Low Elevation Salt Marsh
- Tidal Flats
- Development
- All Others
- Unclassified Salt Marsh
- Open Water
- Beach

label
 No Focal Habitat Cover Change from 1996-2016

Scituate Harbor - 1996

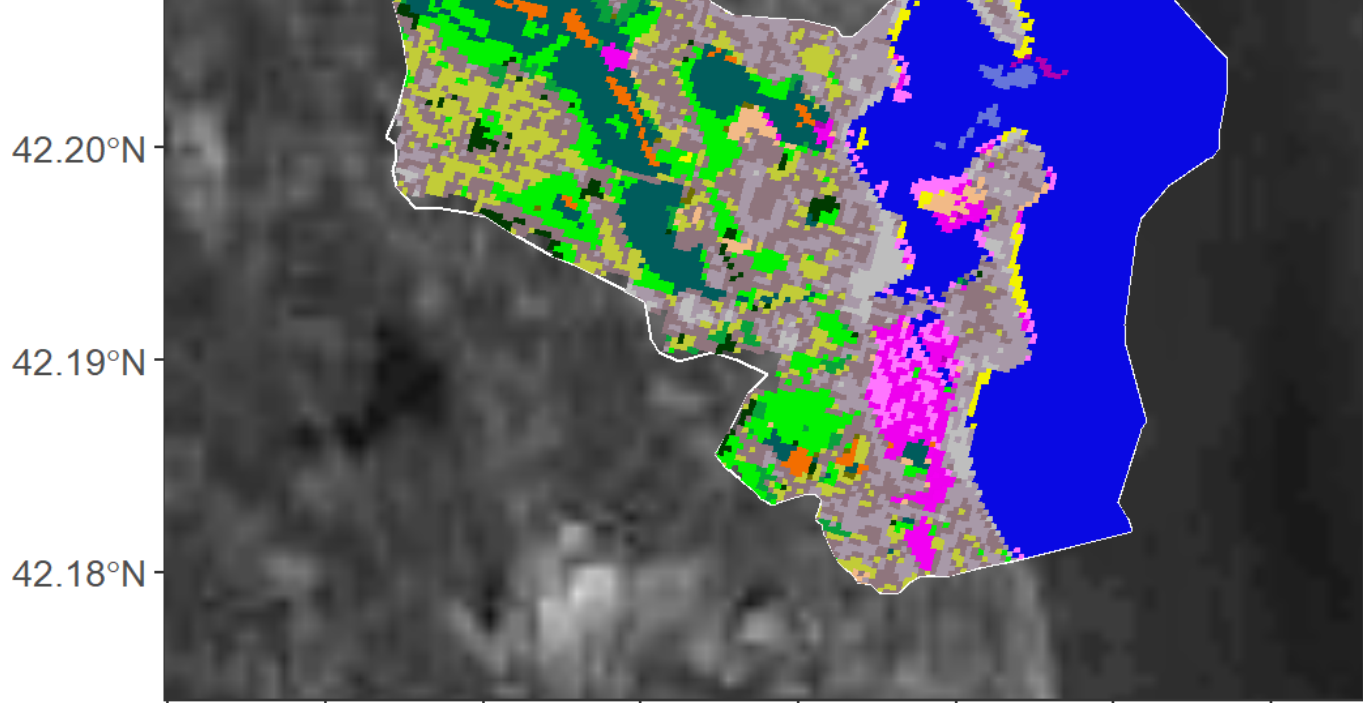


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

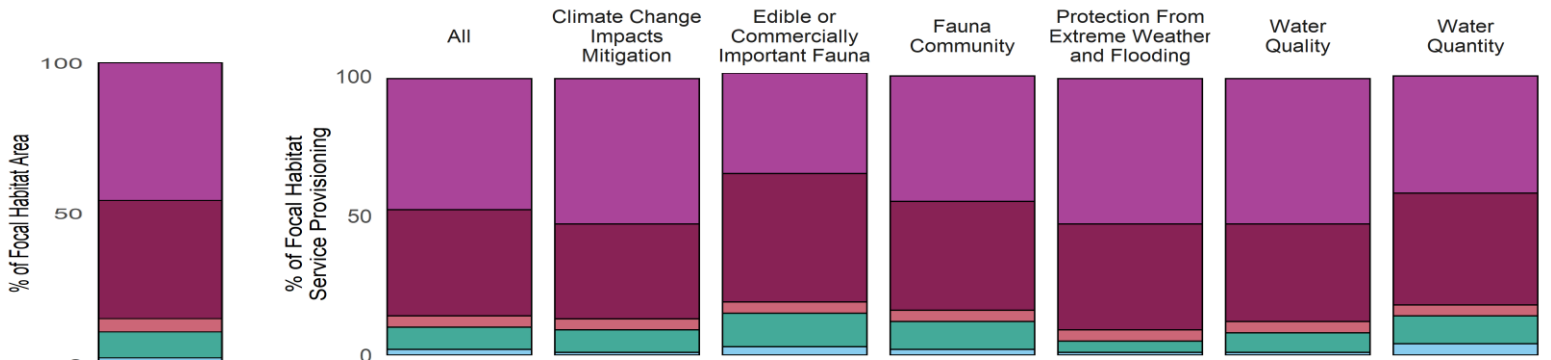


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,884.4	46.1	20.6	17.7	2.0	5.0	0.9
Percent Focal	4,083.3	100.0	44.7	38.4	4.3	10.7	2.0
Percent All	100.0	2.4	1.1	0.9	0.1	0.3	0.0

Scituate Harbor - 2016

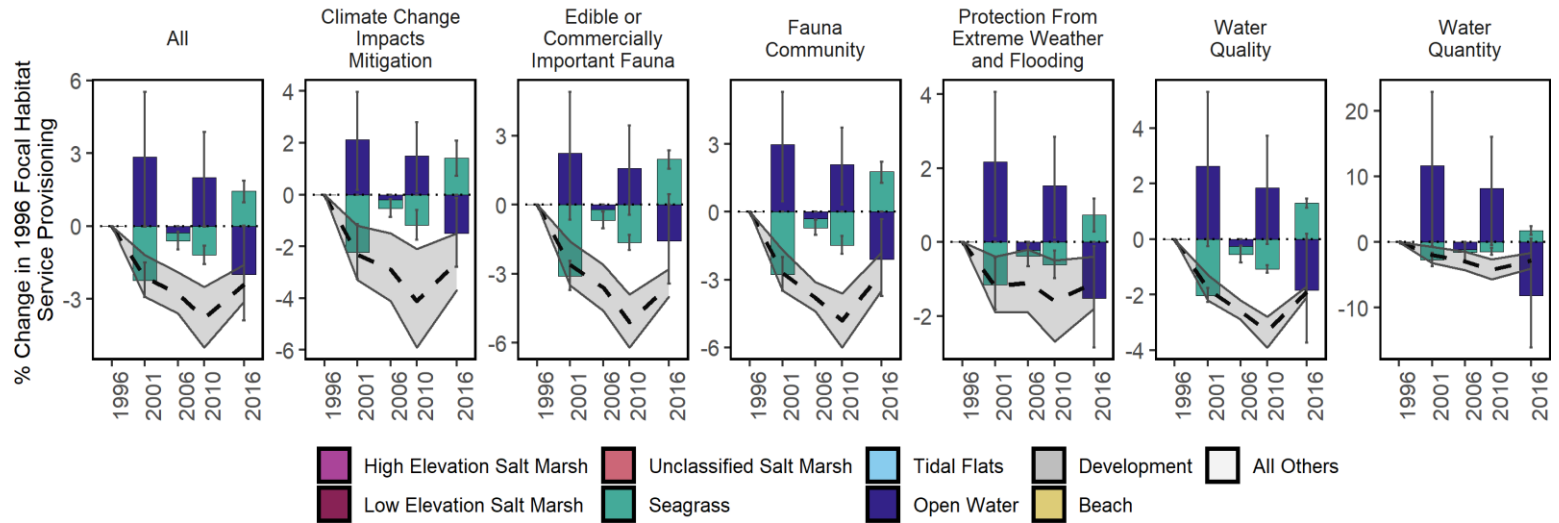
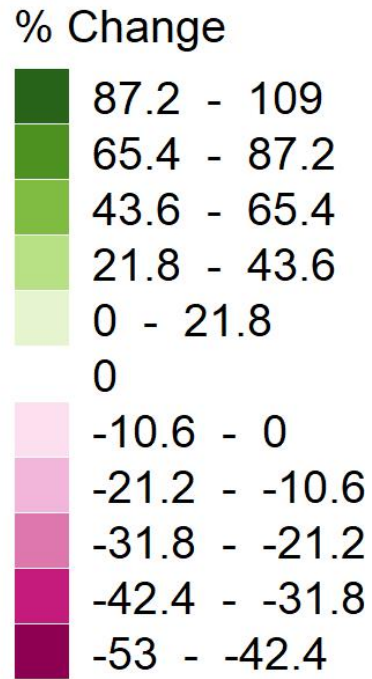
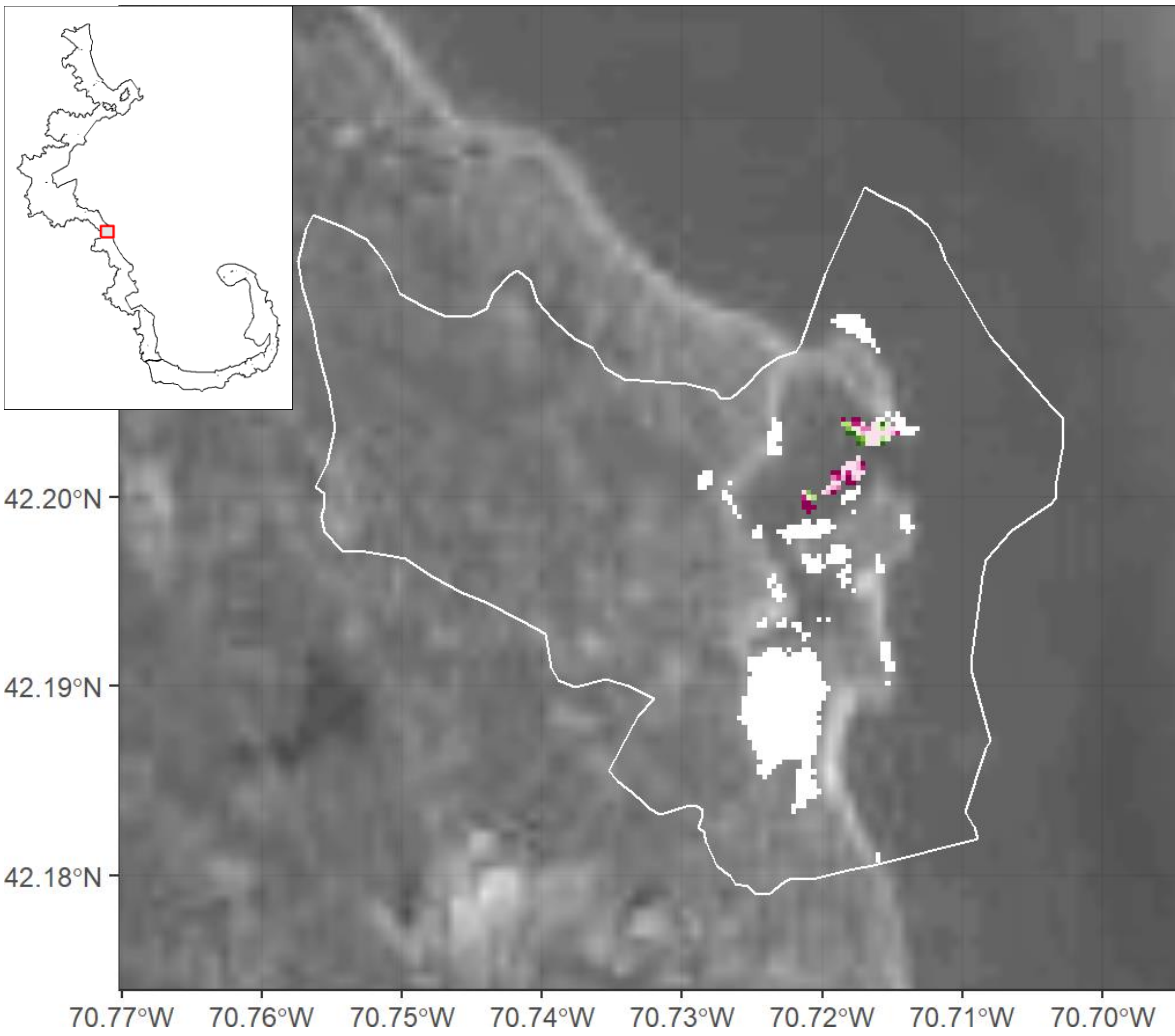
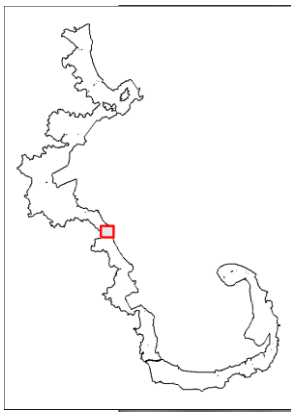


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



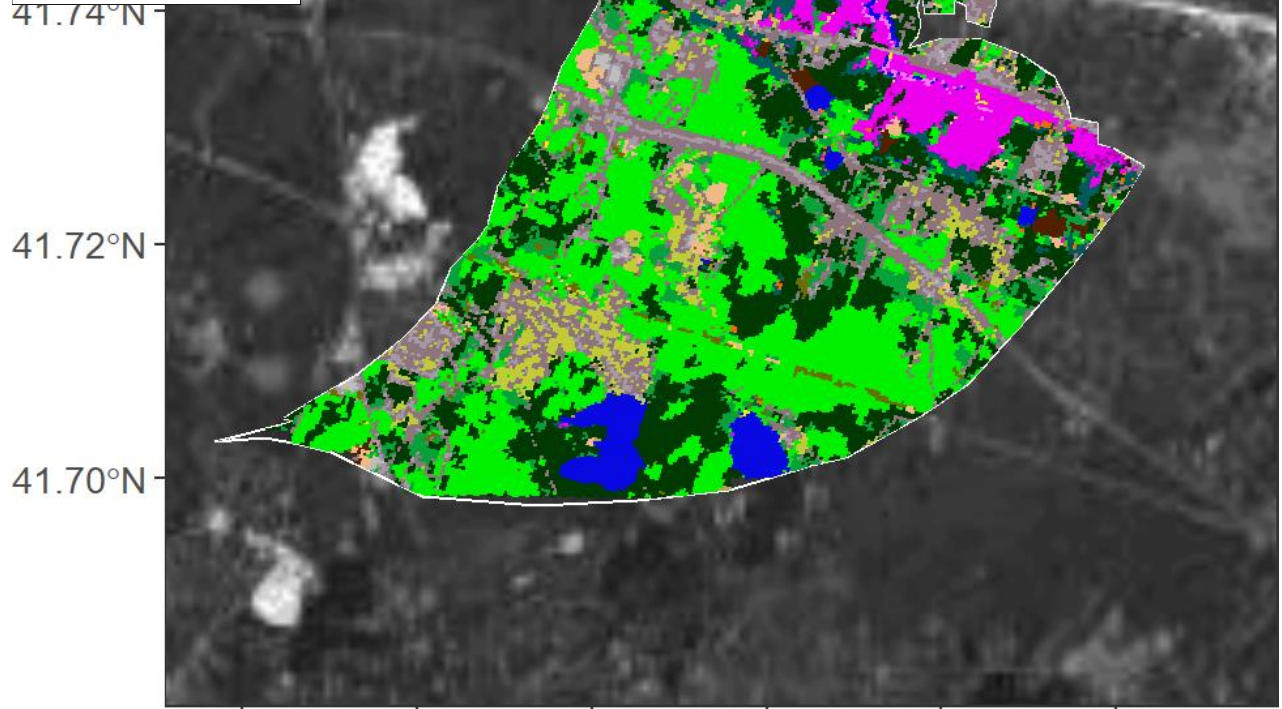
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,884.4	45.1	20.6	17.7	2.0	3.9	0.9
Percent Focal	4,181.1	100.0	45.7	39.3	4.4	8.6	2.0
Percent All	100.0	2.4	1.1	0.9	0.1	0.2	0.0

Scituate Harbor - Change 1996-2016

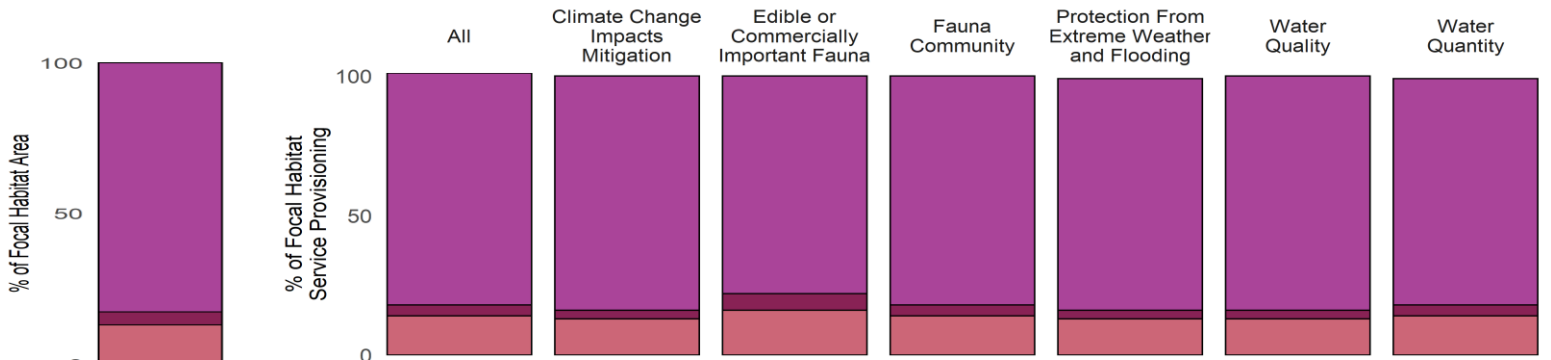


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-1.1	-2.3	2.6	-2.3

Scorton Creek - 1996



- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
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- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

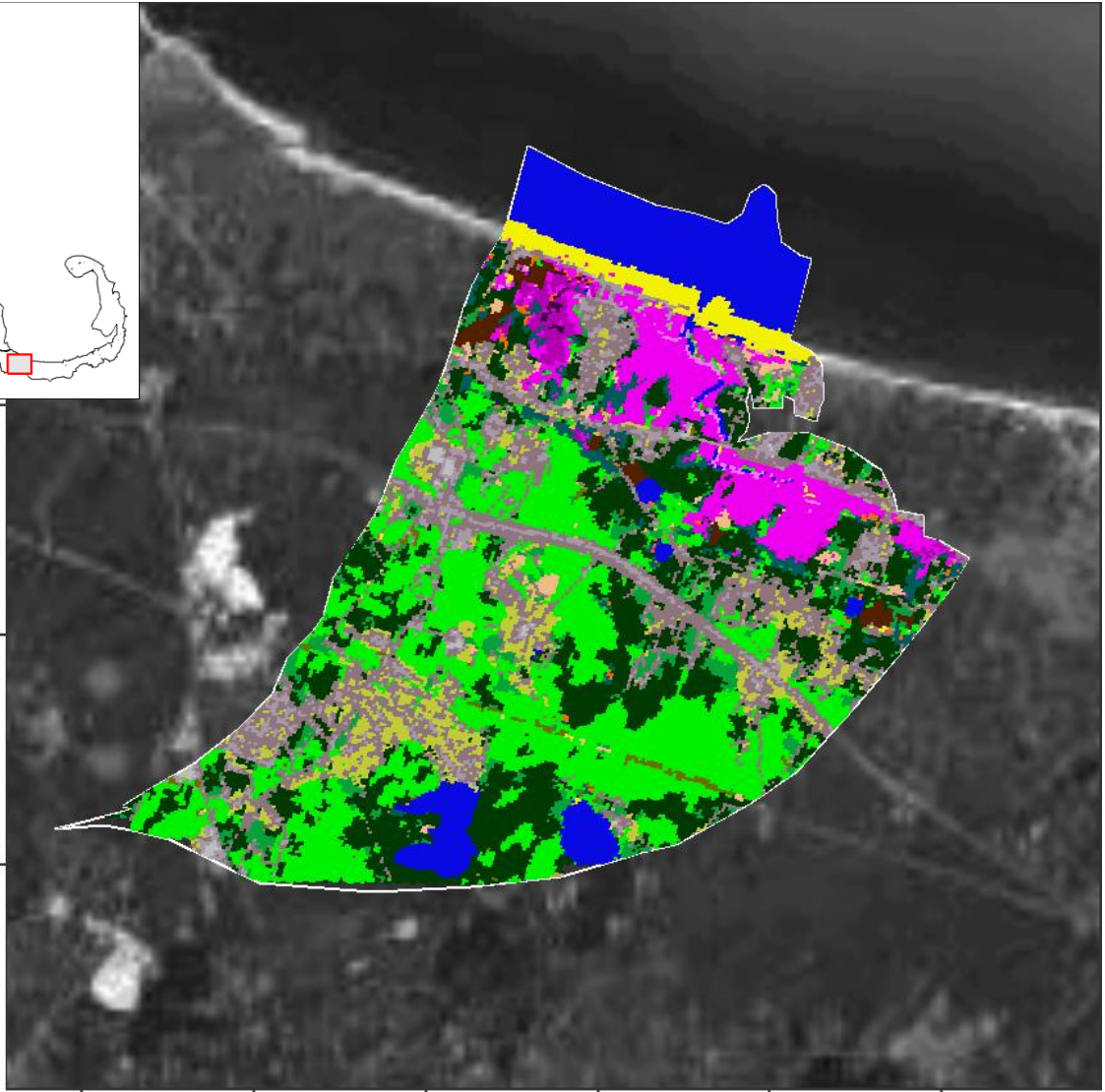


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,577.7	233.8	193.4	10.1	30.3	0	0
Percent Focal	2,385.2	100.0	82.7	4.3	13.0	0	0
Percent All	100.0	4.2	3.5	0.2	0.5	0	0

Scorton Creek - 2016

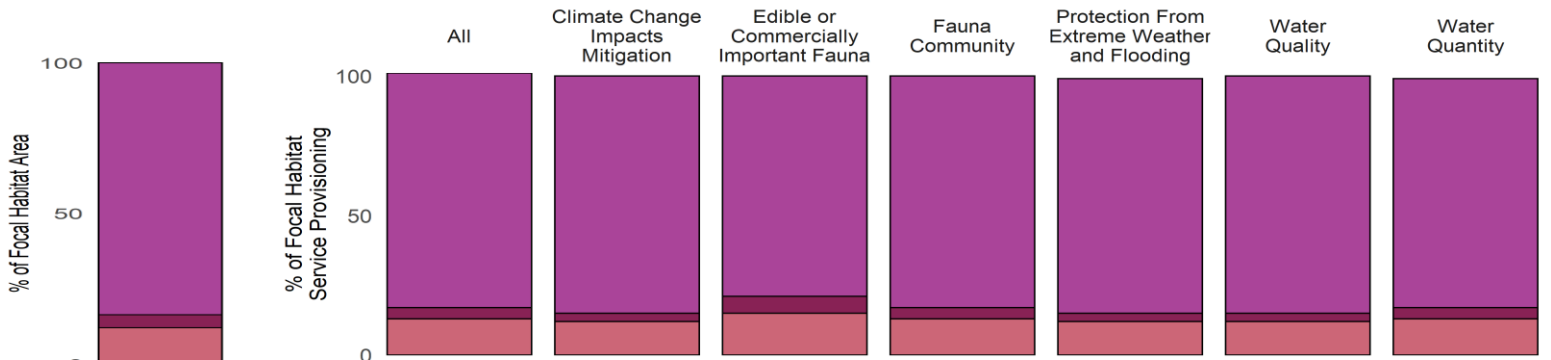


41.74°N
41.72°N
41.70°N



70.50°W 70.48°W 70.46°W 70.44°W 70.42°W 70.40°W

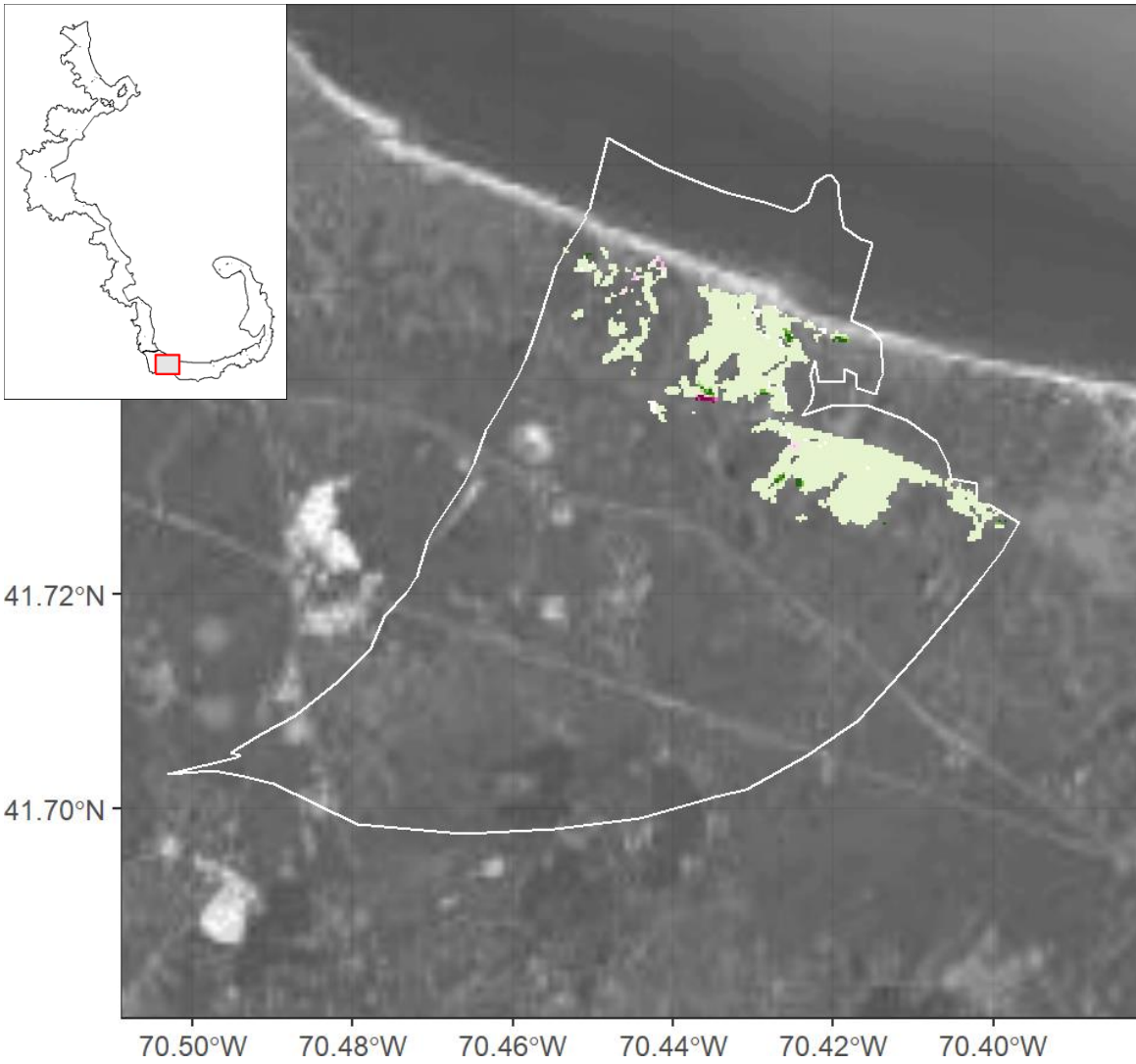
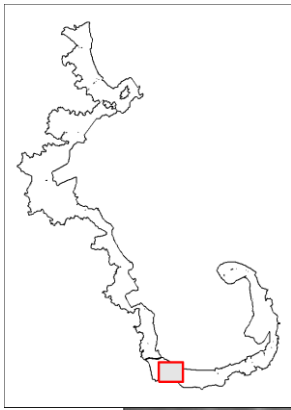
- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
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- Evergreen Forest
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- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



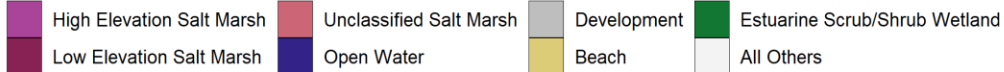
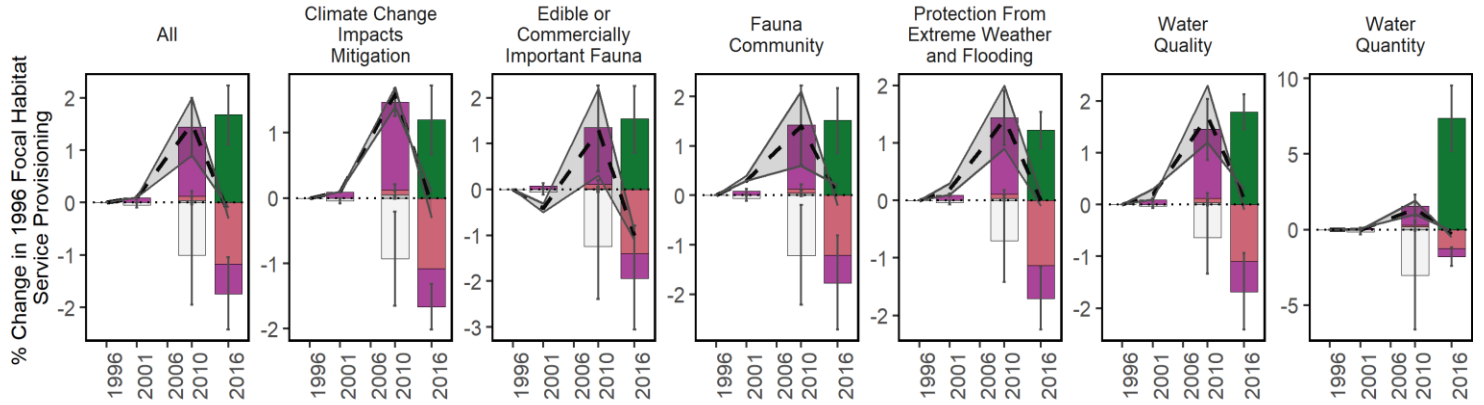
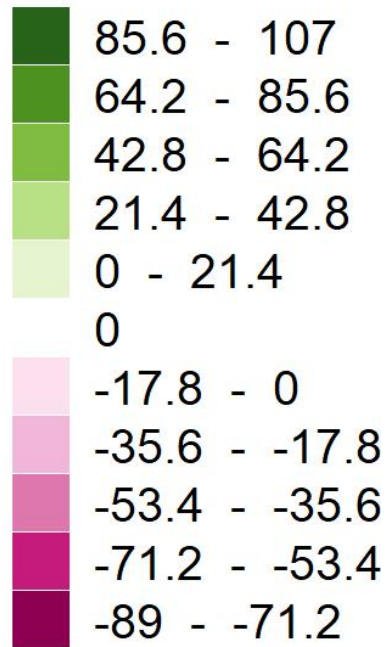
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	5,577.7	233.3	195.3	10.1	27.9	0	0
Percent Focal	2,390.8	100.0	83.7	4.3	12.0	0	0
Percent All	100.0	4.2	3.5	0.2	0.5	0	0

Scorton Creek - Change 1996-2016



% Change



Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-2.6	-0.9	1.2	-0.9
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-1.2	-0.6	0.5	-0.6
High Elev. Salt Marsh	Development	-0.6	-0.3	0.0	-0.3
Unclassified Salt Marsh	All Others	0.2	-0.2	0.0	-0.2
High Elev. Salt Marsh	All Others	3.7	1.8	-1.0	1.8

Scusset Beach - 1996

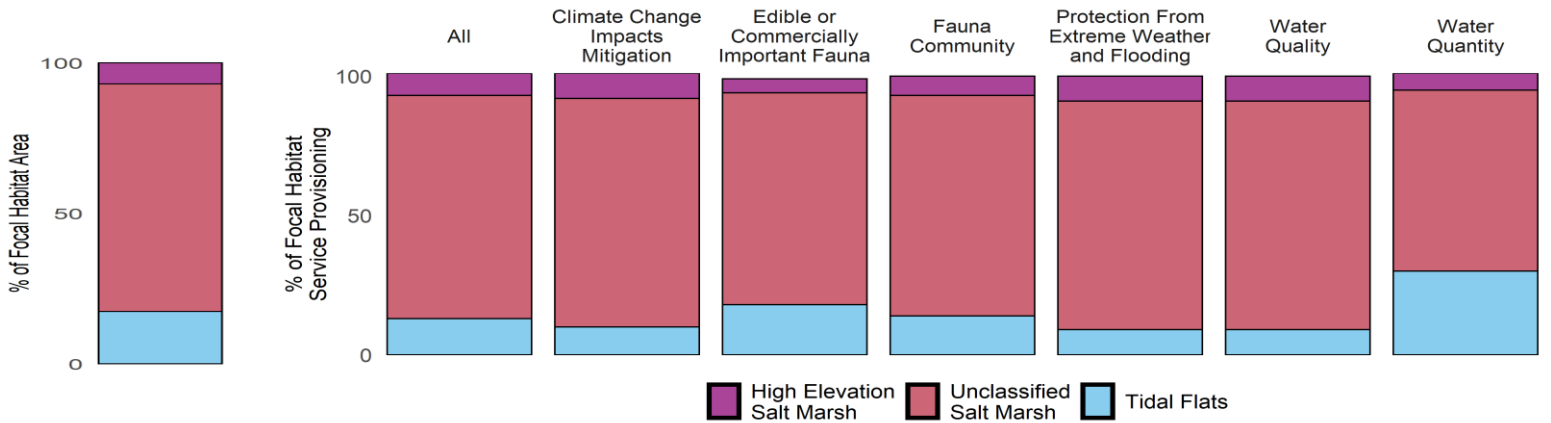


41.79°N
41.78°N
41.77°N
41.76°N



- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass

70.56°W 70.54°W 70.52°W 70.50°W 70.48°W

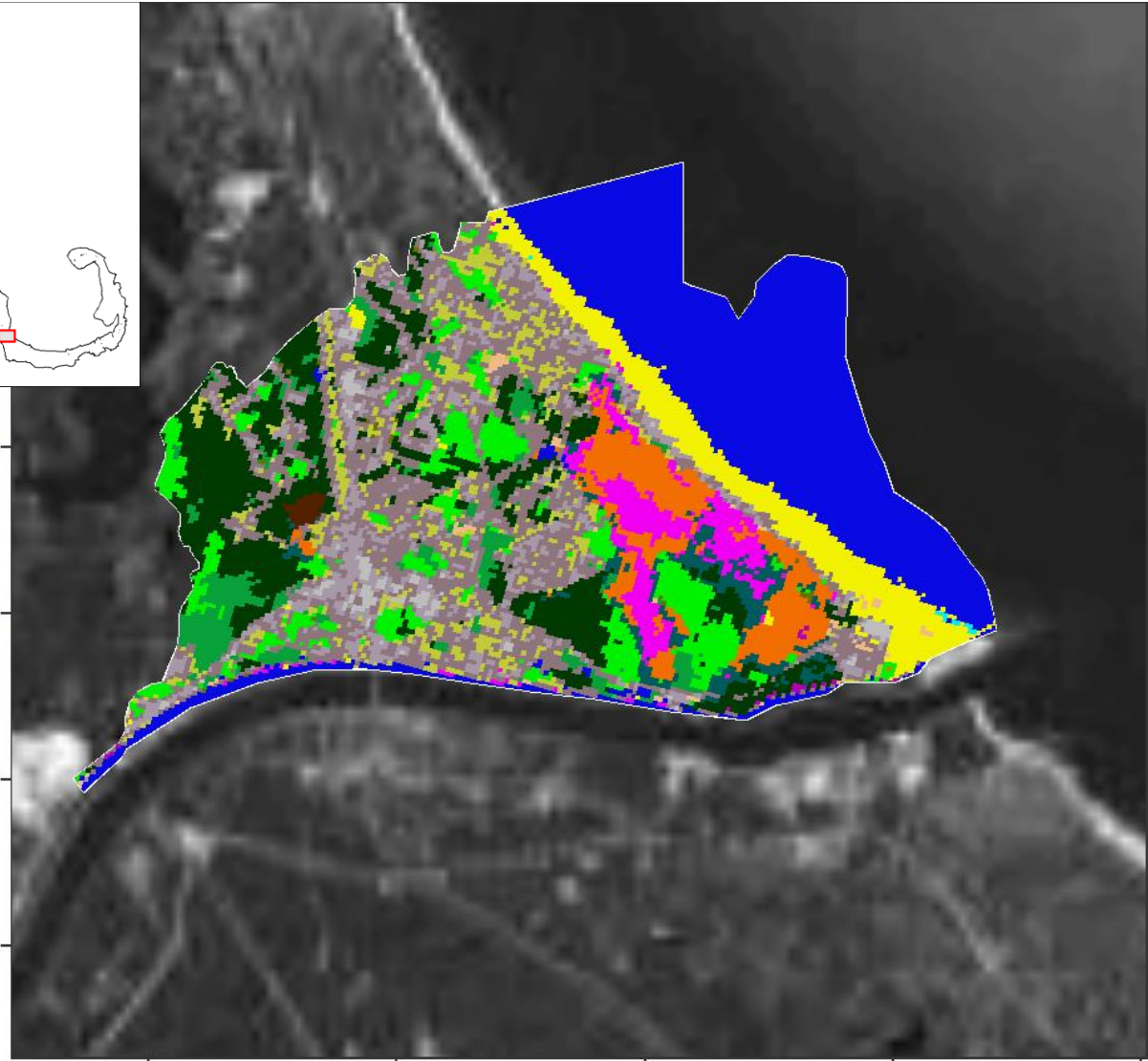


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,514.4	2.6	0.2	0	2.0	0	0.4
Percent Focal	97,458.6	100.0	7.0	0	75.6	0	17.4
Percent All	100.0	0.1	0.0	0	0.1	0	0.0

Scusset Beach - 2016

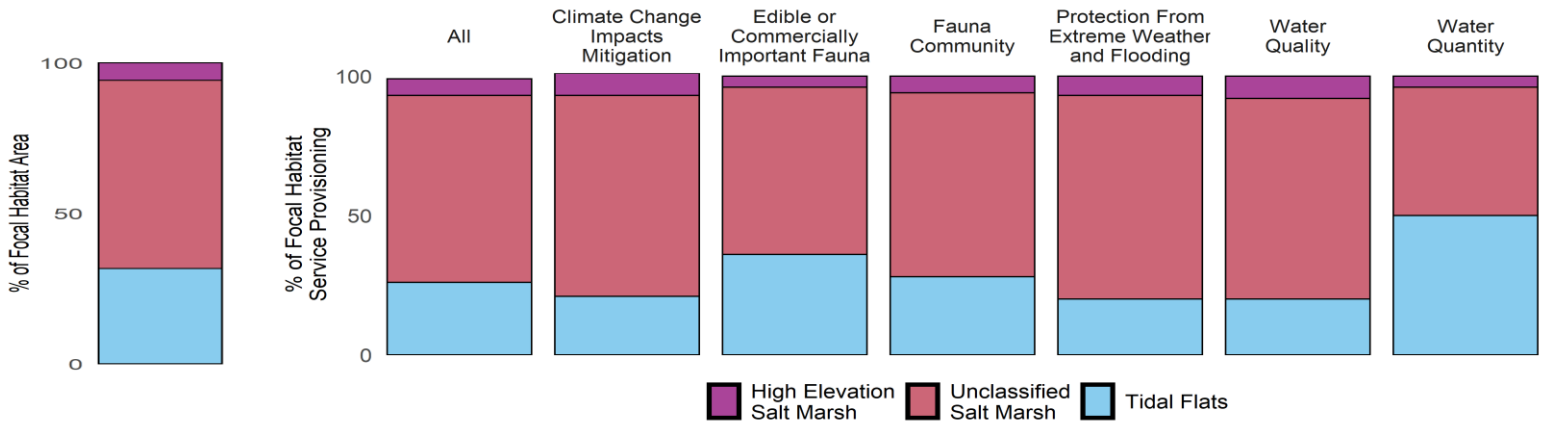


41.79°N
41.78°N
41.77°N
41.76°N



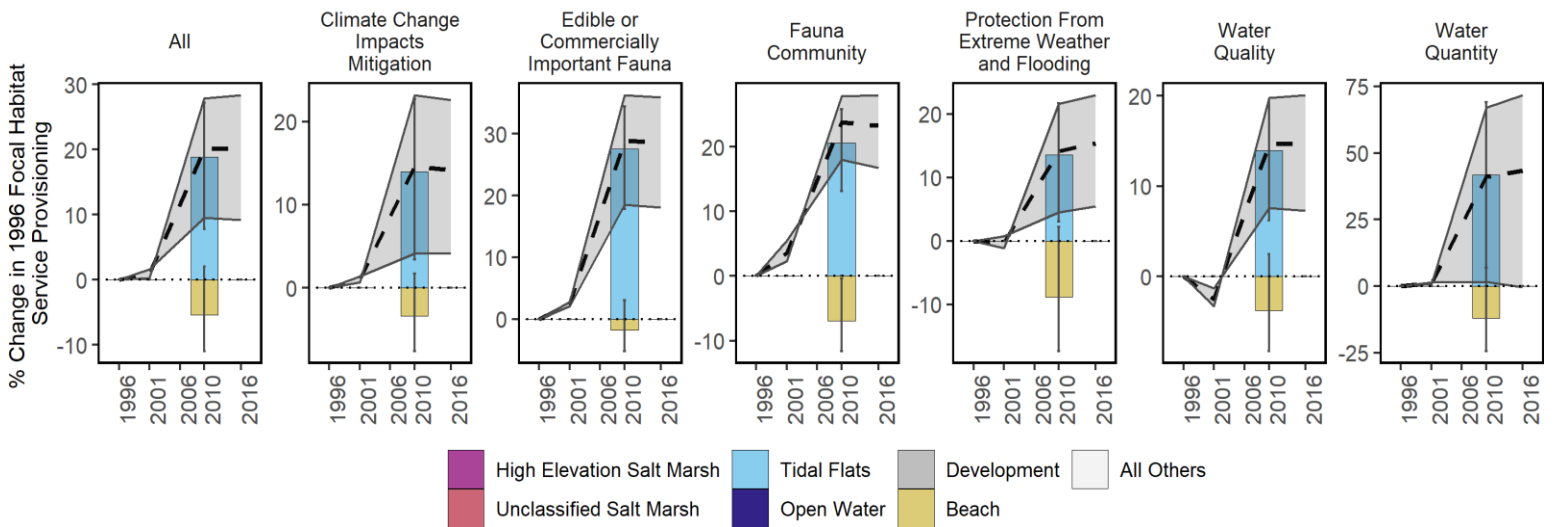
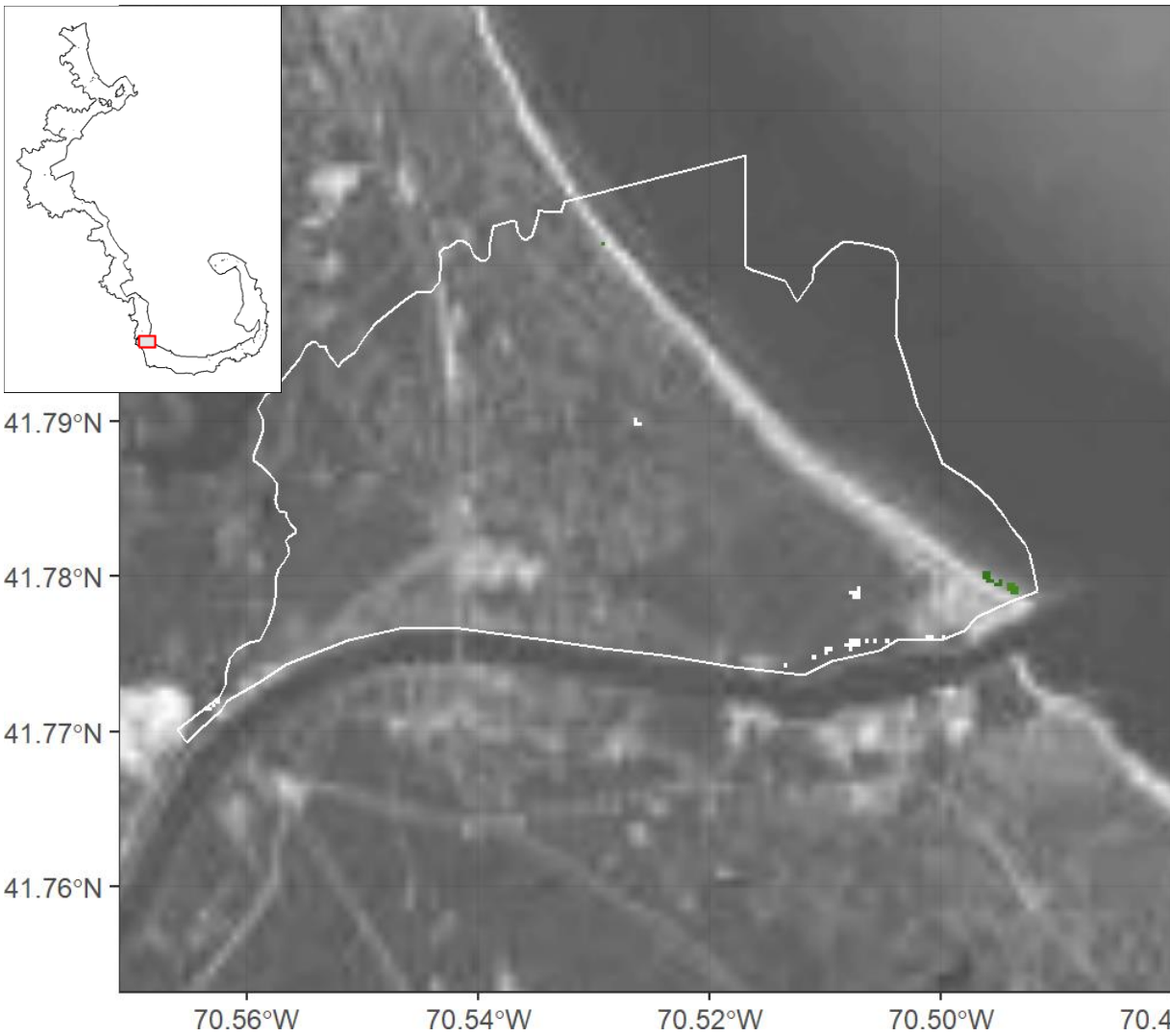
- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
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- Palustrine Forested Wetland
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- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass

70.56°W 70.54°W 70.52°W 70.50°W 70.48°W



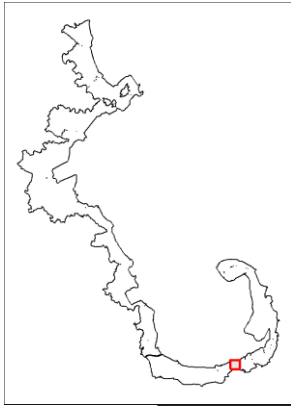
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,514.4	3.1	0.2	0	2.0	0	1.0
Percent Focal	80,590.7	100.0	5.8	0	62.5	0	31.7
Percent All	100.0	0.1	0.0	0	0.1	0	0.0

Scusset Beach - Change 1996-2016

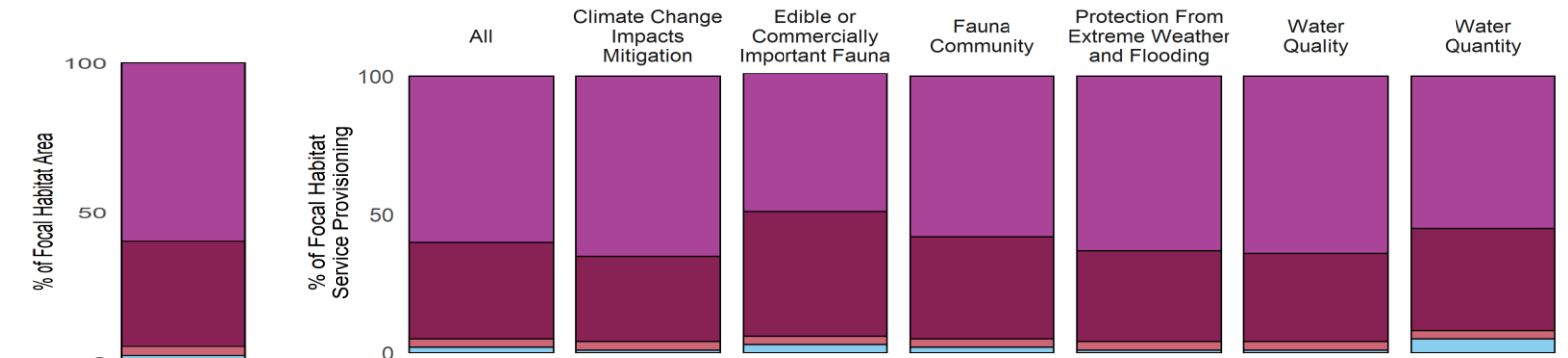
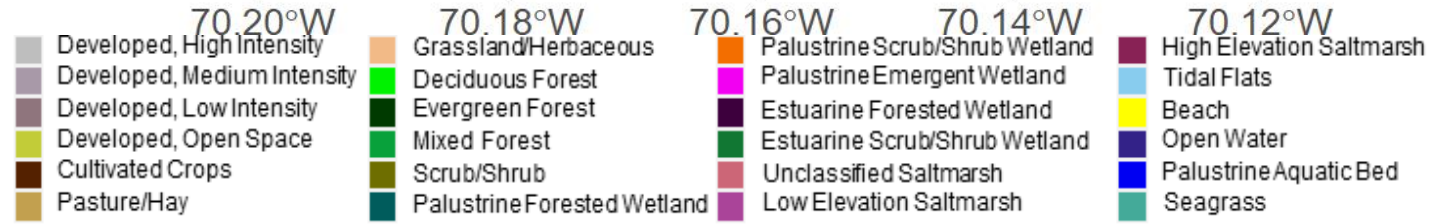
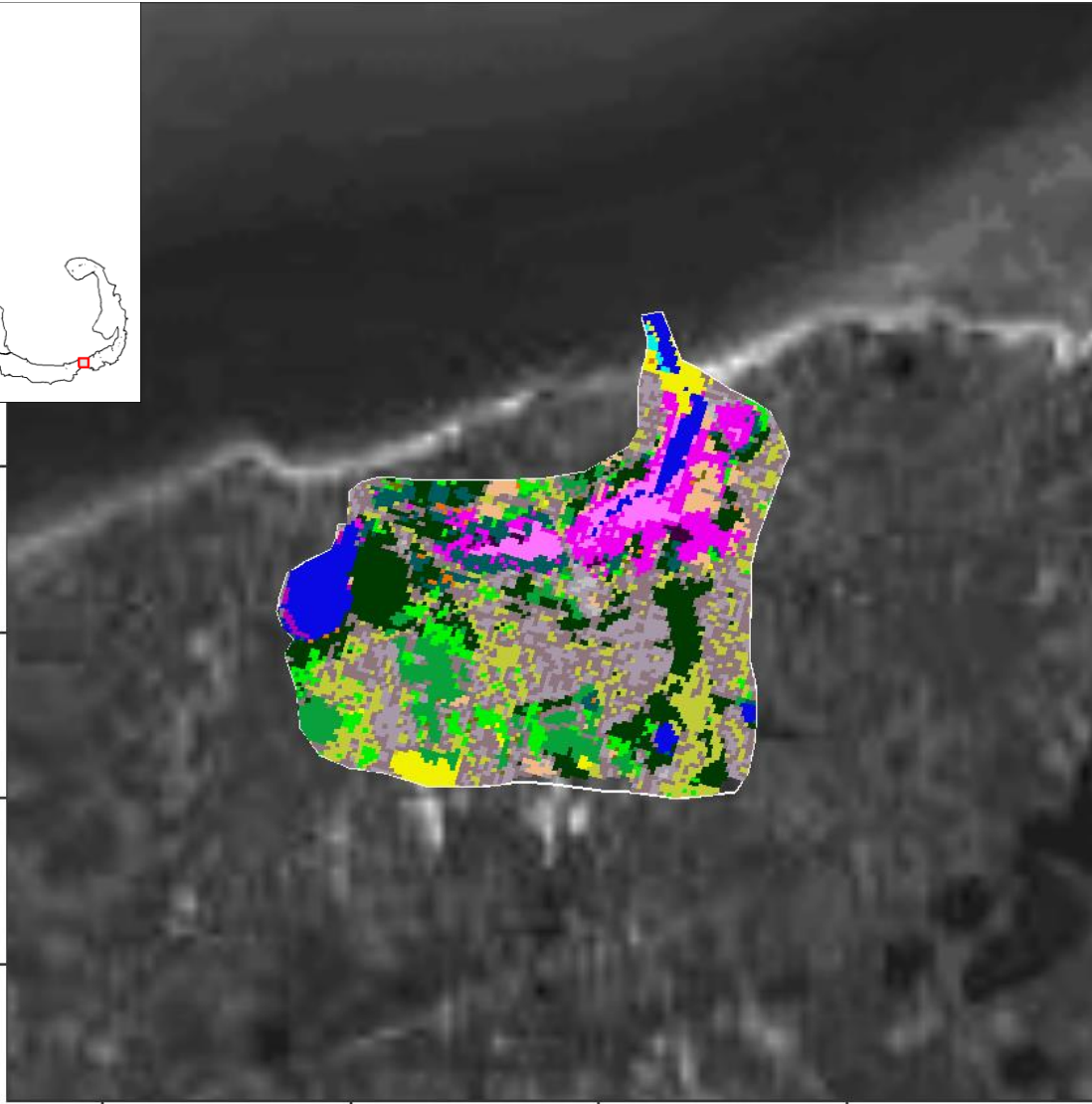


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
Tidal Flats	Beach	0.5	18.9	-5.4	18.9

Sesuit Creek / Sesuit Harbor - 1996



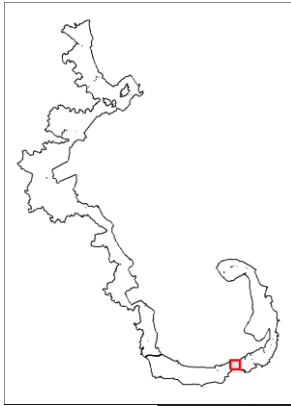
41.75°N
41.74°N
41.73°N
41.72°N



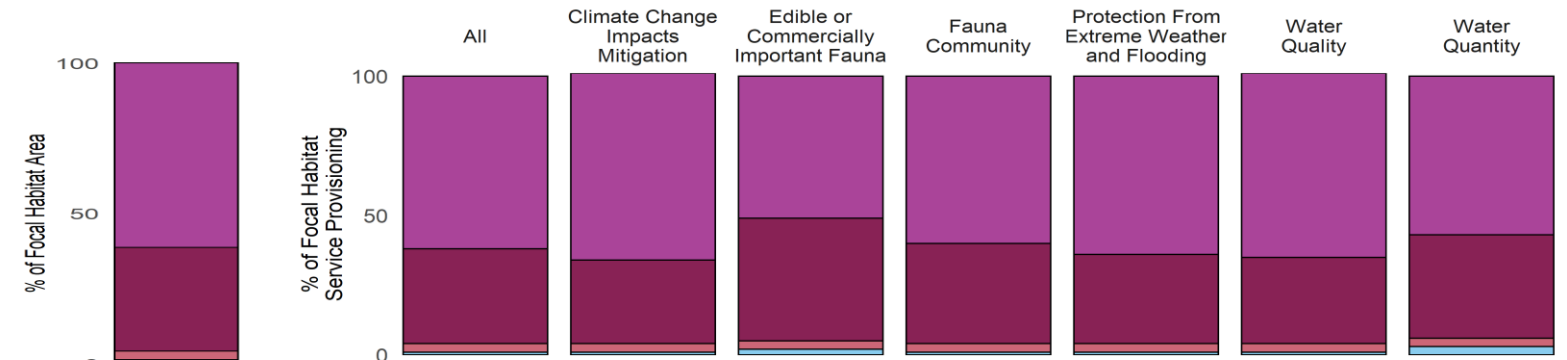
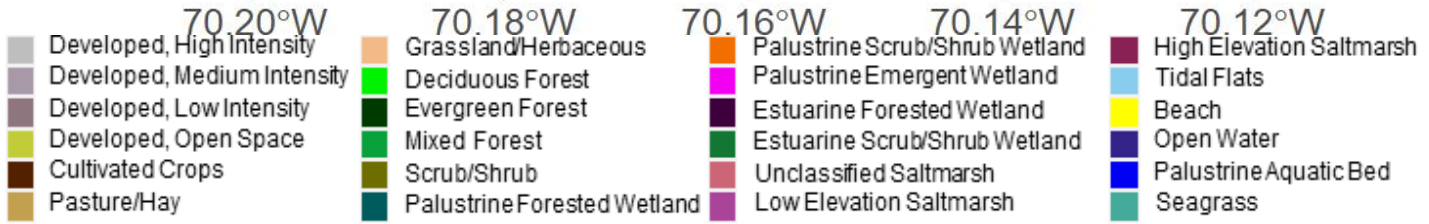
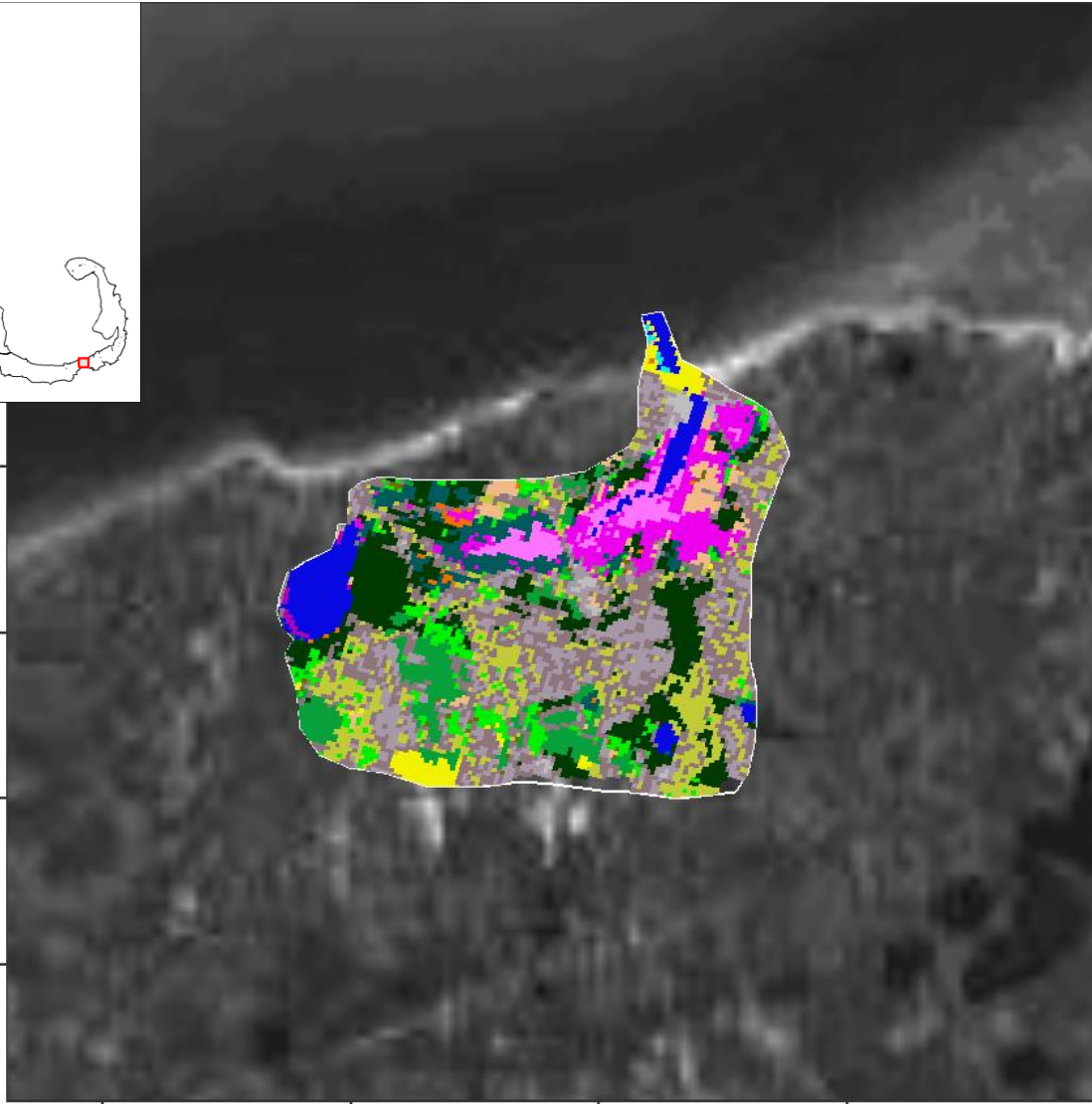
High Elevation Salt Marsh Low Elevation Salt Marsh Unclassified Salt Marsh Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,232.8	60.4	36.0	21.3	1.8	0	1.3
Percent Focal	2,041.4	100.0	59.6	35.3	3.0	0	2.1
Percent All	100.0	4.9	2.9	1.7	0.1	0	0.1

Sesuit Creek / Sesuit Harbor - 2016



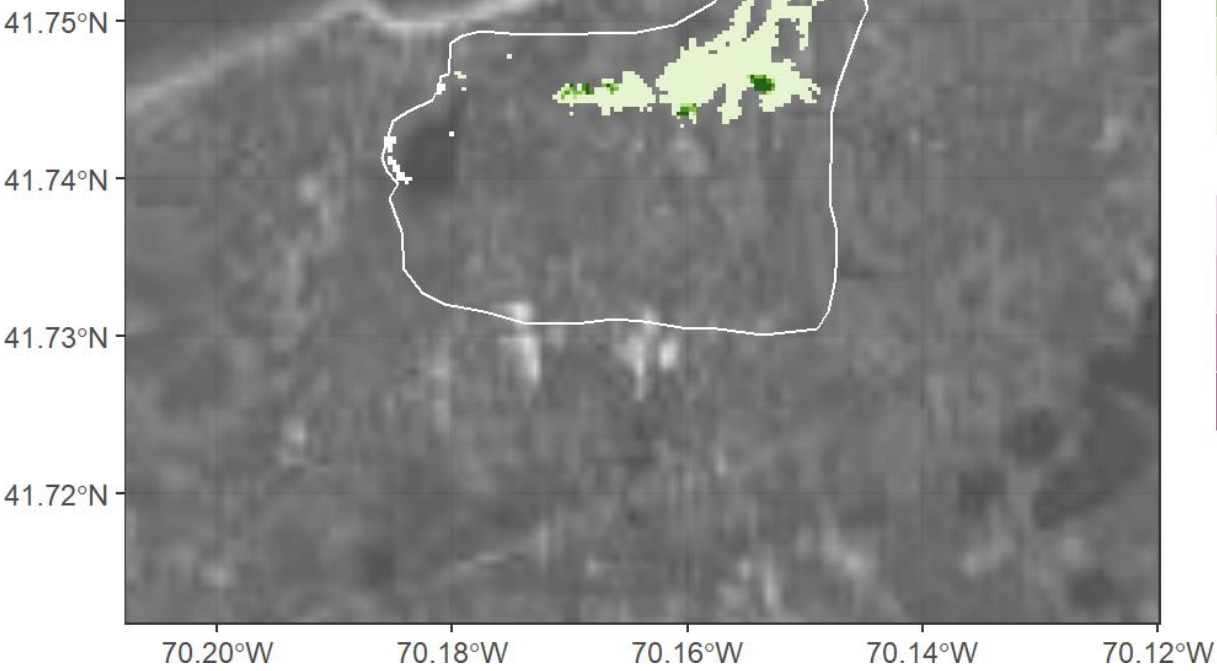
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41.74°N
41.73°N
41.72°N



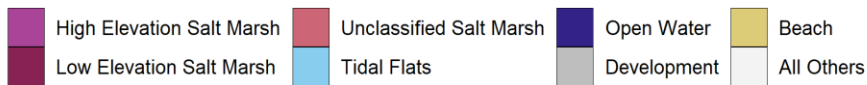
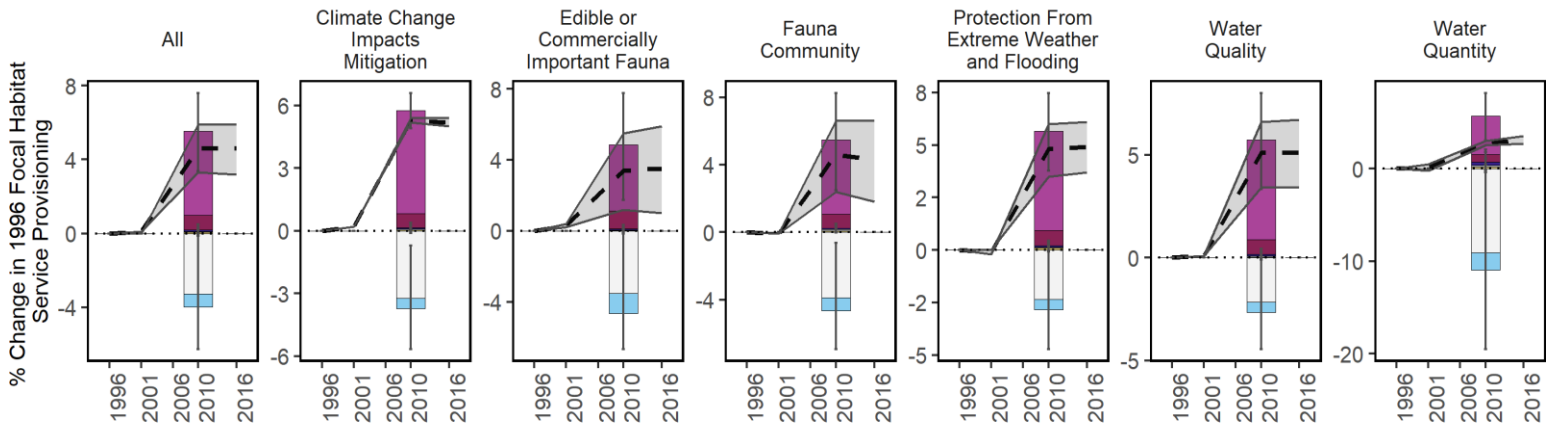
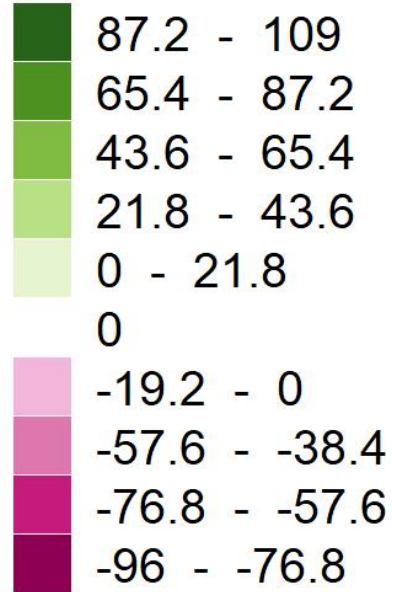
High Elevation Salt Marsh Low Elevation Salt Marsh Unclassified Salt Marsh Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	1,232.8	62.6	38.4	21.5	1.8	0	0.9
Percent Focal	1,969.0	100.0	61.4	34.4	2.9	0	1.4
Percent All	100.0	5.1	3.1	1.7	0.1	0	0.1

Sesuit Creek / Sesuit Harbor - Change 1996-2016

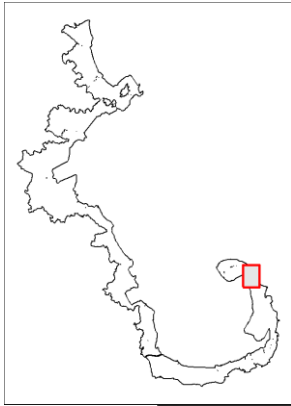


% Change

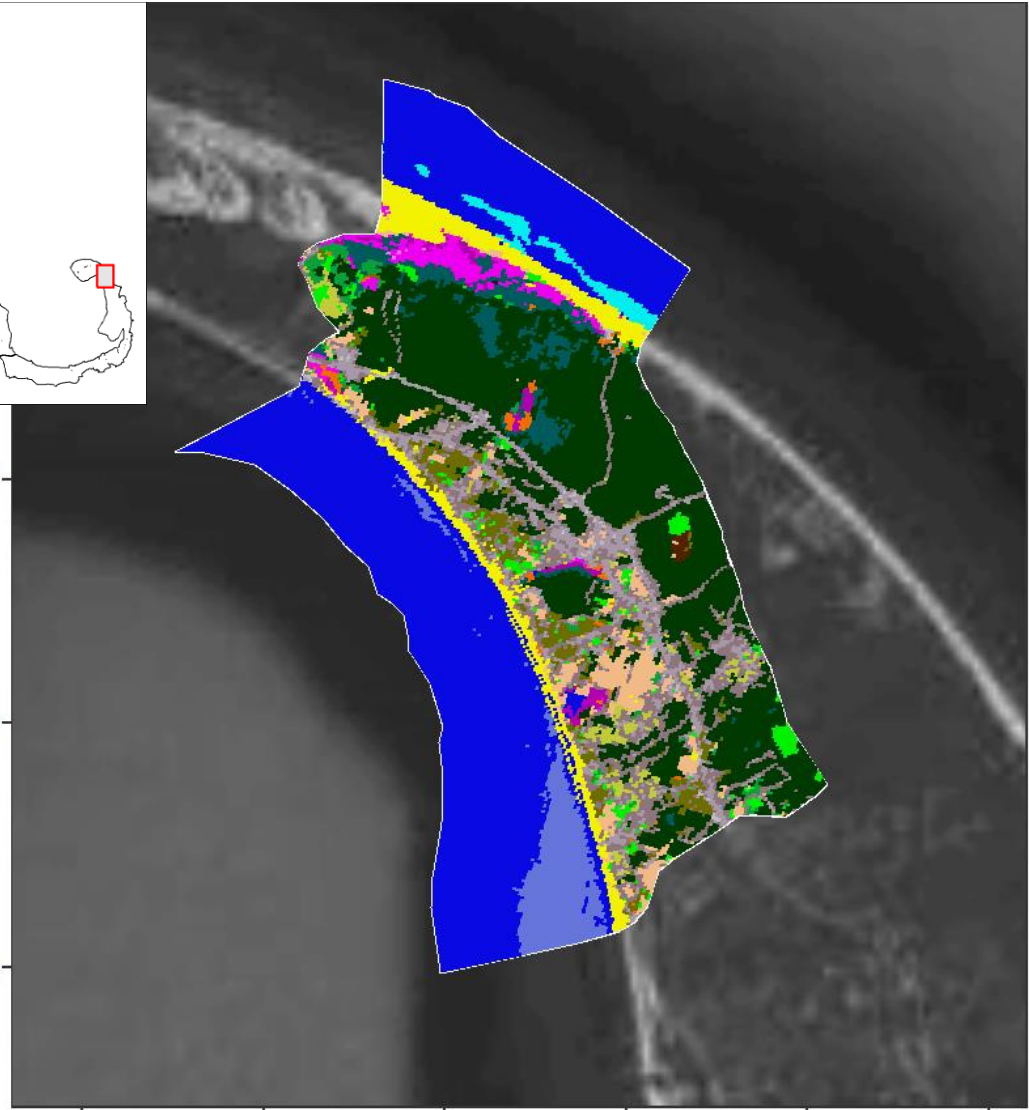


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Low Elev. Salt Marsh	Development	-0.3	-0.9	0.0	-0.9
Tidal Flats	Beach	-0.2	-0.3	0.1	-0.3
High Elev. Salt Marsh	Development	-0.1	-0.7	0.0	-0.7
Tidal Flats	Open Water	-0.1	-0.2	0.1	-0.2
Tidal Flats	All Others	-0.1	-0.2	0.1	-0.2
Low Elev. Salt Marsh	All Others	0.4	1.7	-0.5	1.7
High Elev. Salt Marsh	All Others	2.5	5.3	-2.8	5.3

Truro Coast - 1996

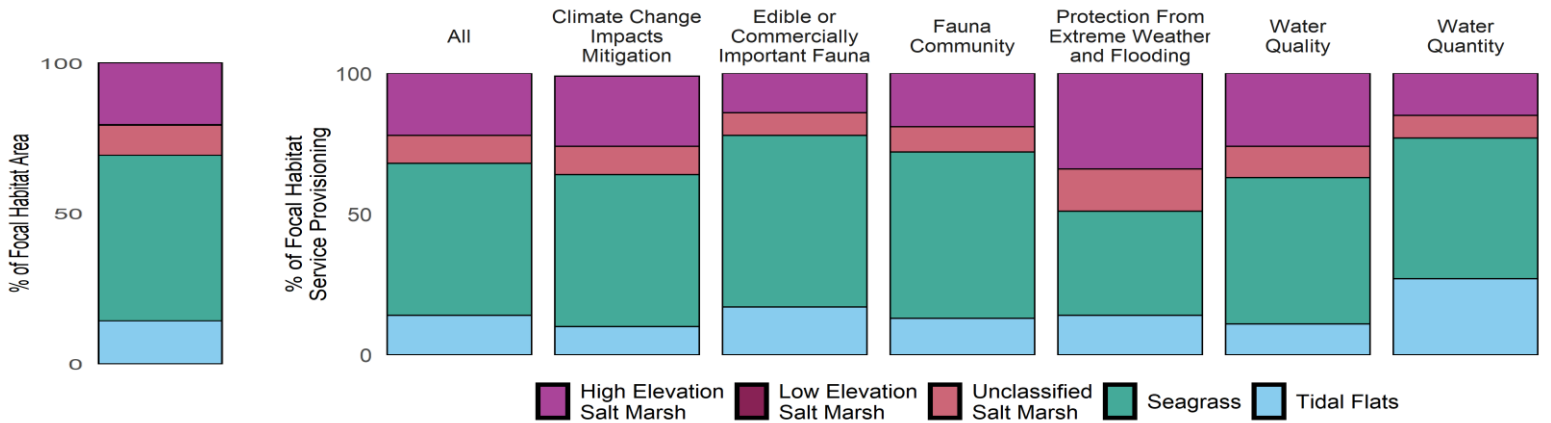


42.04°N
42.02°N
42.00°N



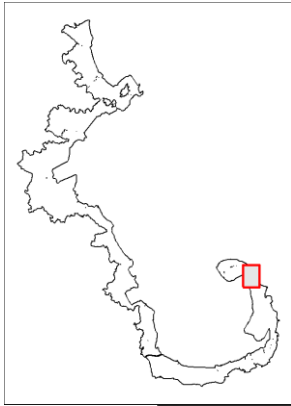
70.14°W 70.12°W 70.10°W 70.08°W 70.06°W 70.04°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass

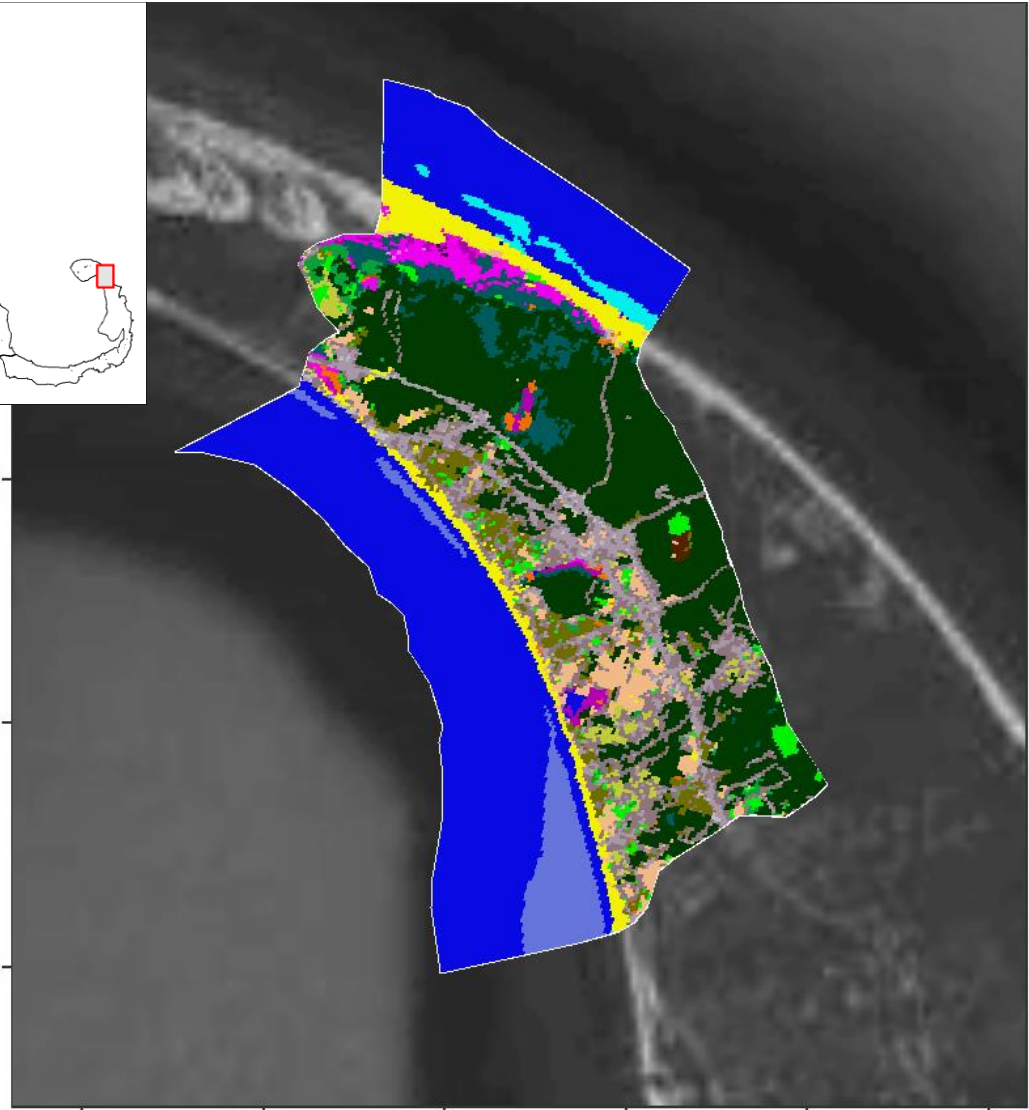


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	4,060.1	164.6	33.8	0.4	16.2	90.6	23.5
Percent Focal	2,466.8	100.0	20.5	0.3	9.9	55.1	14.3
Percent All	100.0	4.1	0.8	0.0	0.4	2.2	0.6

Truro Coast - 2016

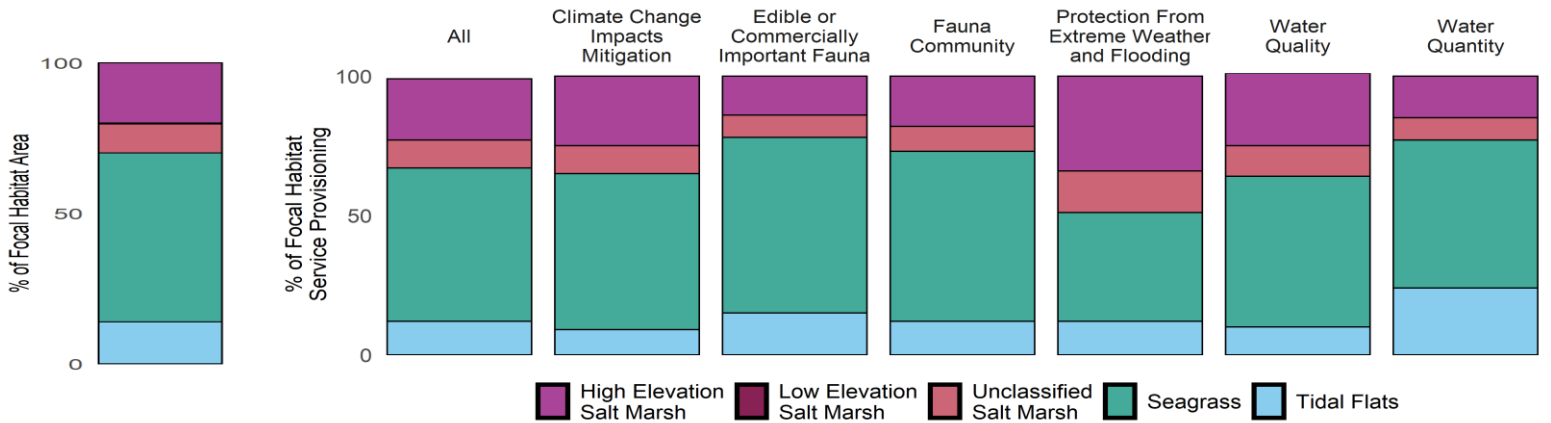


42.04°N
42.02°N
42.00°N



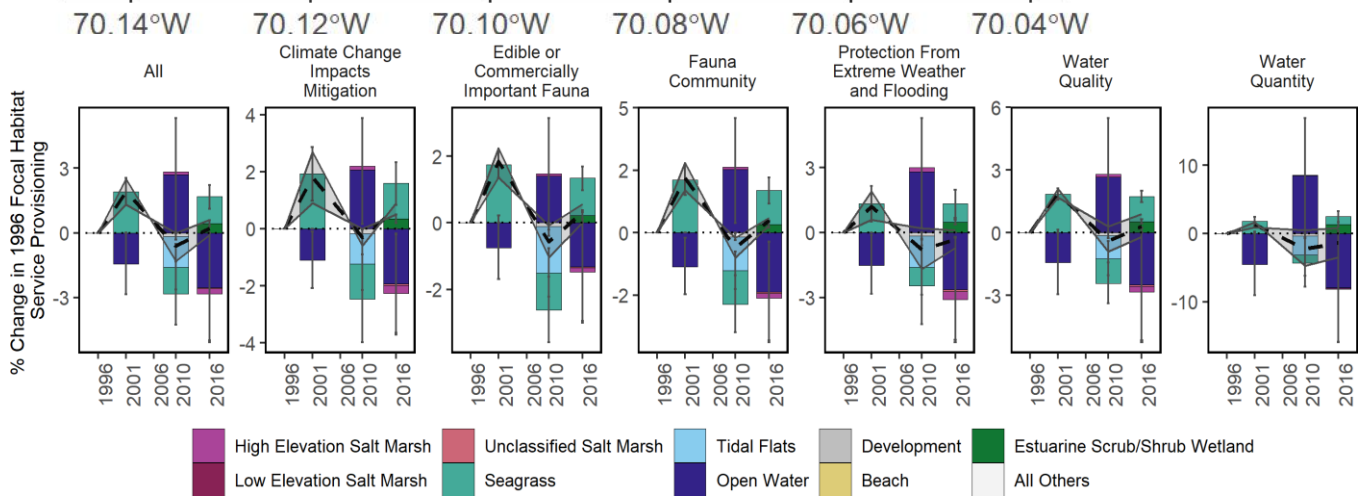
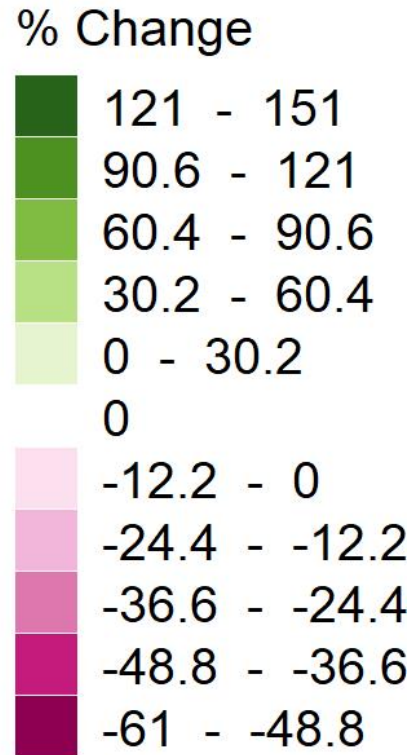
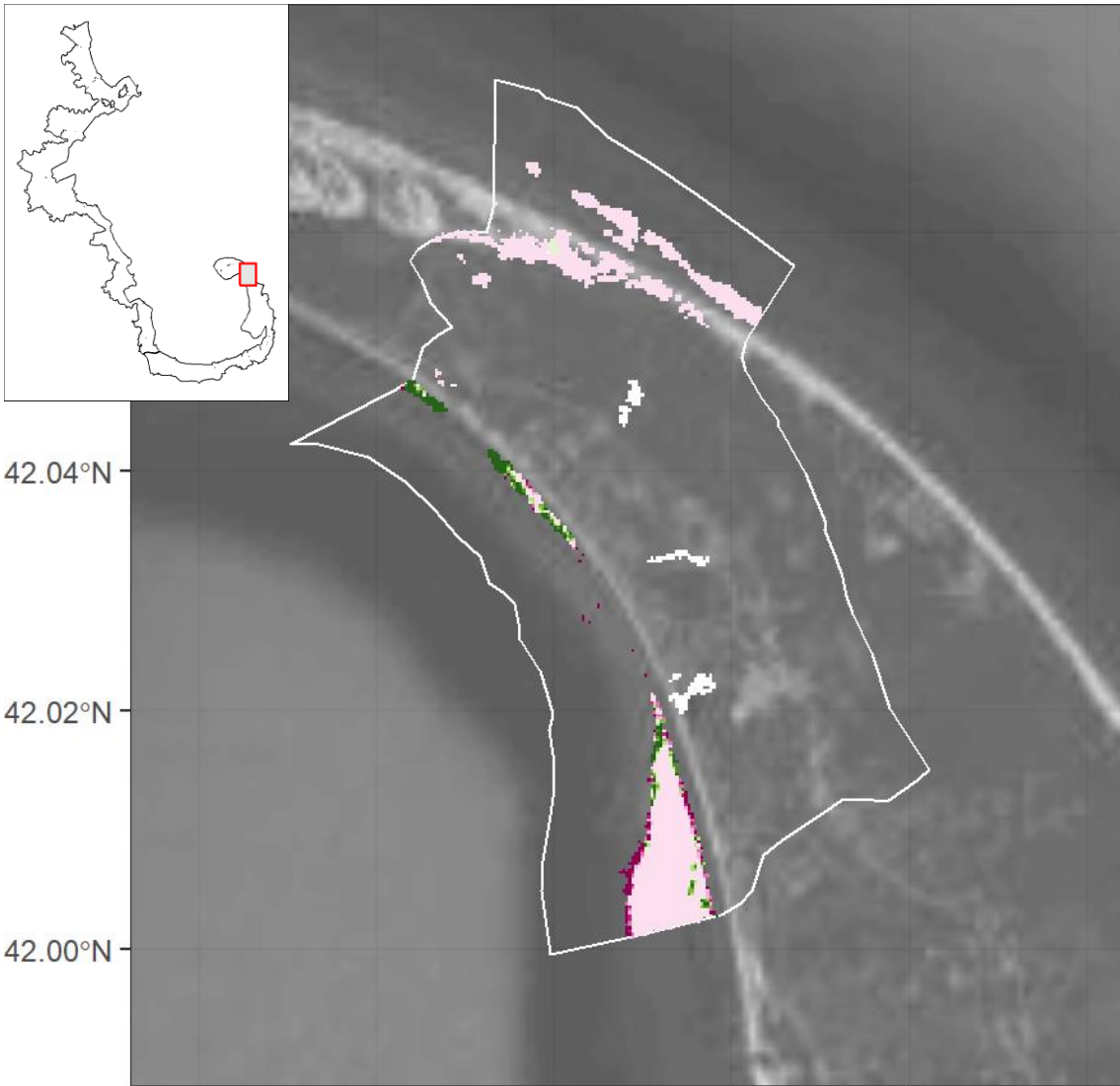
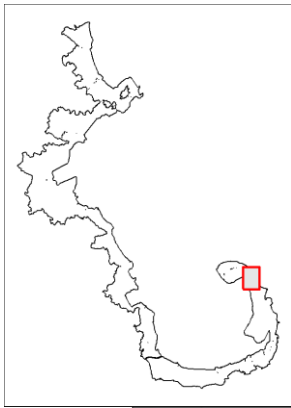
70.14°W 70.12°W 70.10°W 70.08°W 70.06°W 70.04°W

- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



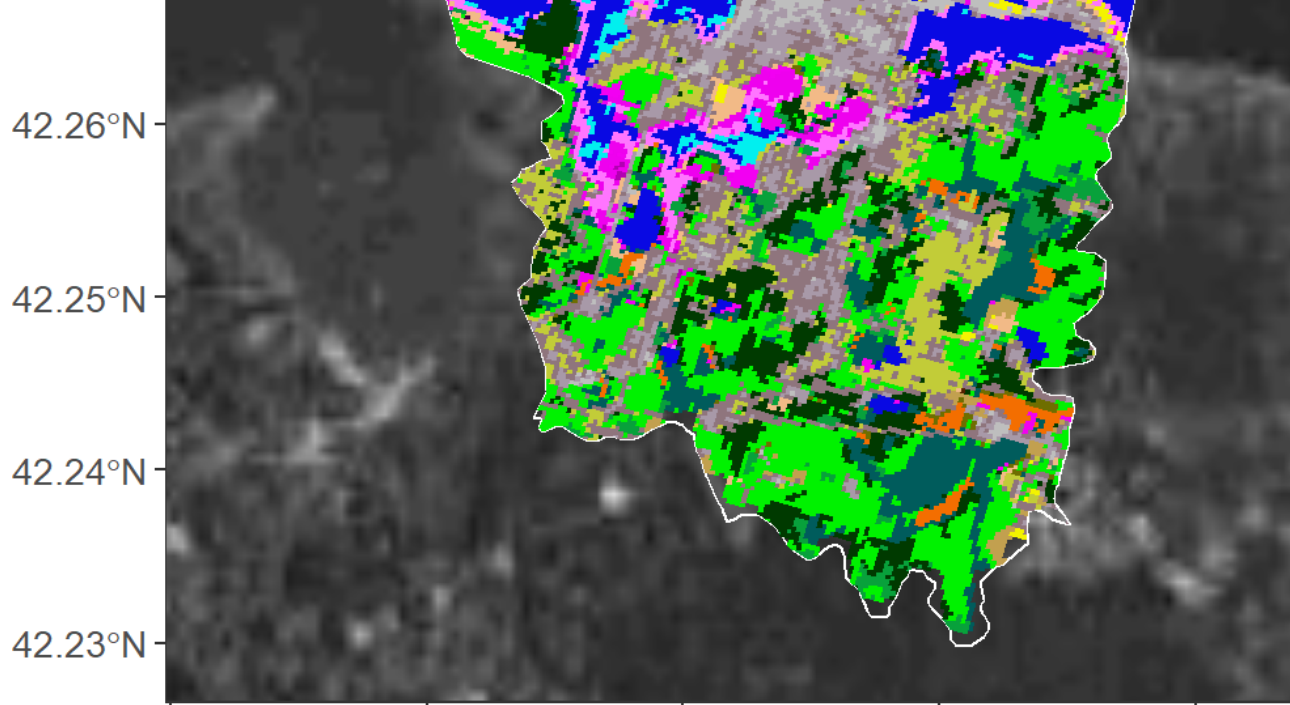
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	4,060.1	167.9	33.6	0.4	16.1	94.2	23.5
Percent Focal	2,418.0	100.0	20.0	0.3	9.6	56.1	14.0
Percent All	100.0	4.1	0.8	0.0	0.4	2.3	0.6

Truro Coast - Change 1996-2016

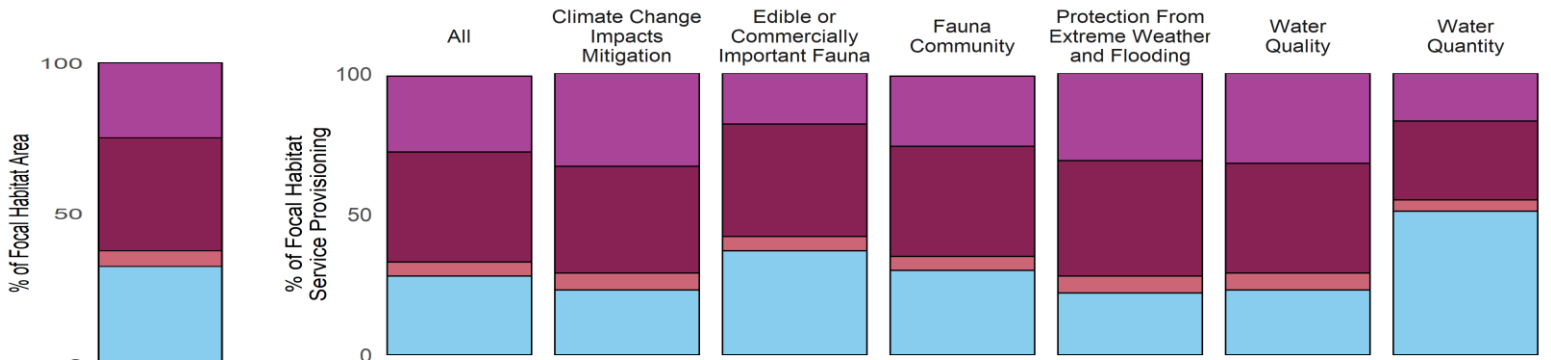


Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.4	-0.2	0.4	-0.2
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.1	-0.1	0.1	-0.1
Tidal Flats	Open Water	0.1	-1.4	0.0	-1.4
High Elev. Salt Marsh	All Others	0.2	0.1	-0.2	0.1
Seagrass	Open Water	3.5	1.9	-1.1	1.9

Weir River / Straits Pond - 1996

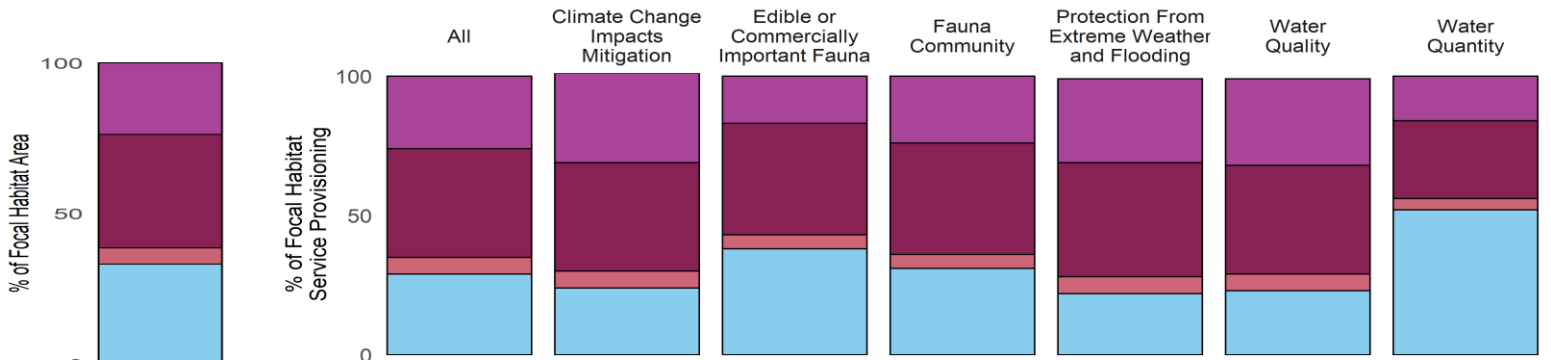
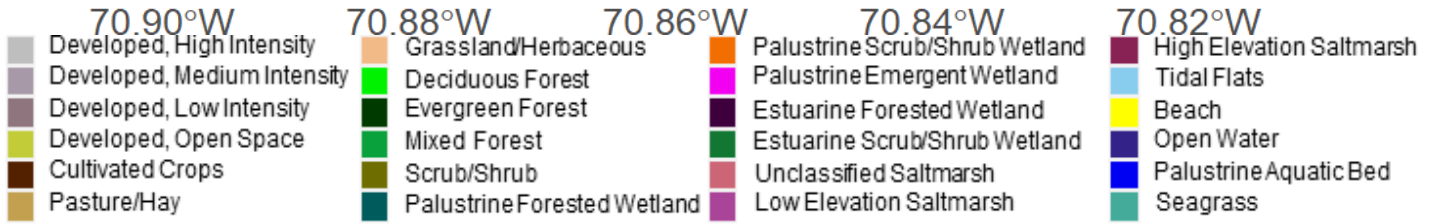
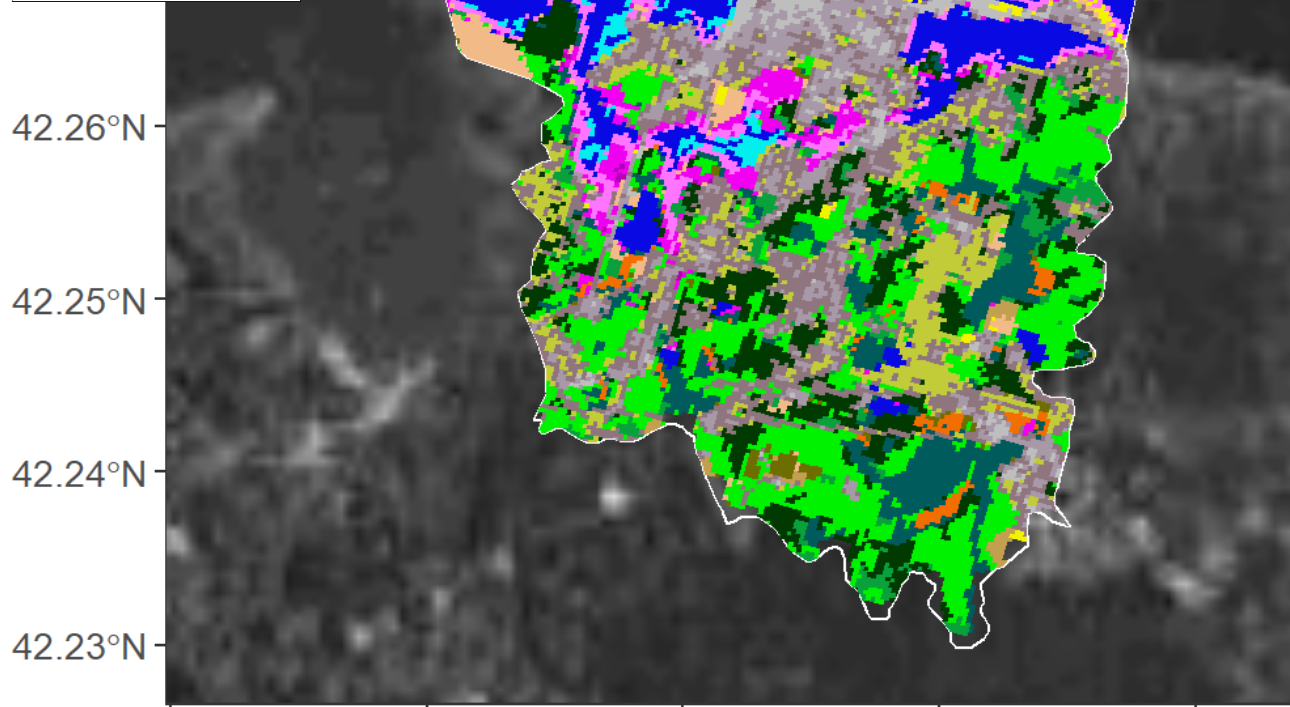


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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Developed, High Intensity Developed, Medium Intensity Developed, Low Intensity Developed, Open Space Cultivated Crops Pasture/Hay | <ul style="list-style-type: none"> Grassland/Herbaceous Deciduous Forest Evergreen Forest Mixed Forest Scrub/Shrub Palustrine Forested Wetland | <ul style="list-style-type: none"> Palustrine Scrub/Shrub Wetland Palustrine Emergent Wetland Estuarine Forested Wetland Estuarine Scrub/Shrub Wetland Unclassified Saltmarsh Low Elevation Saltmarsh | <ul style="list-style-type: none"> High Elevation Saltmarsh Tidal Flats Beach Open Water Palustrine Aquatic Bed Seagrass |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,194.6	132.4	32.9	49.7	6.9	0	42.9
Percent Focal	2,413.5	100.0	24.9	37.5	5.2	0	32.4
Percent All	100.0	4.1	1.0	1.6	0.2	0	1.3

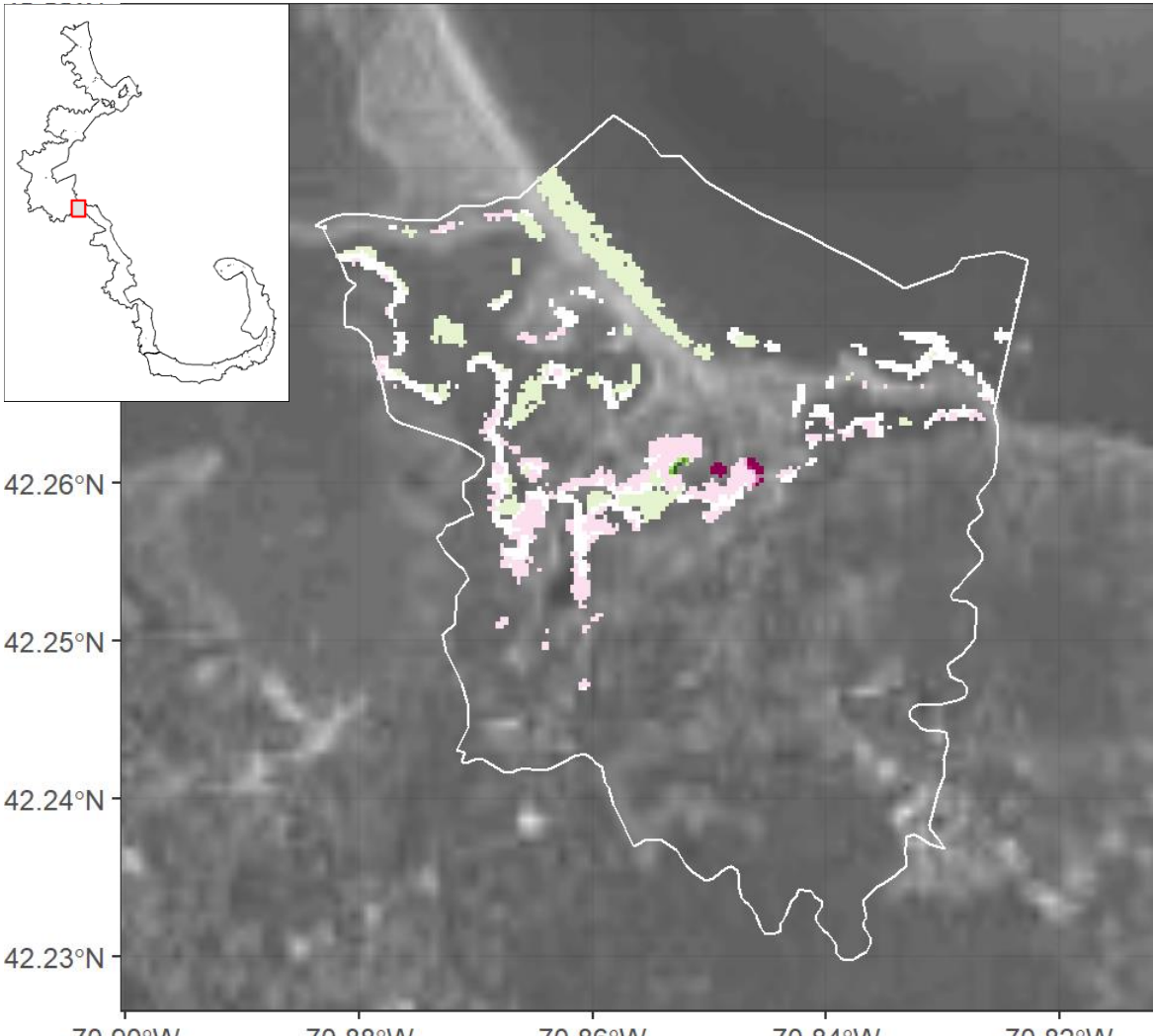
Weir River / Straits Pond - 2016



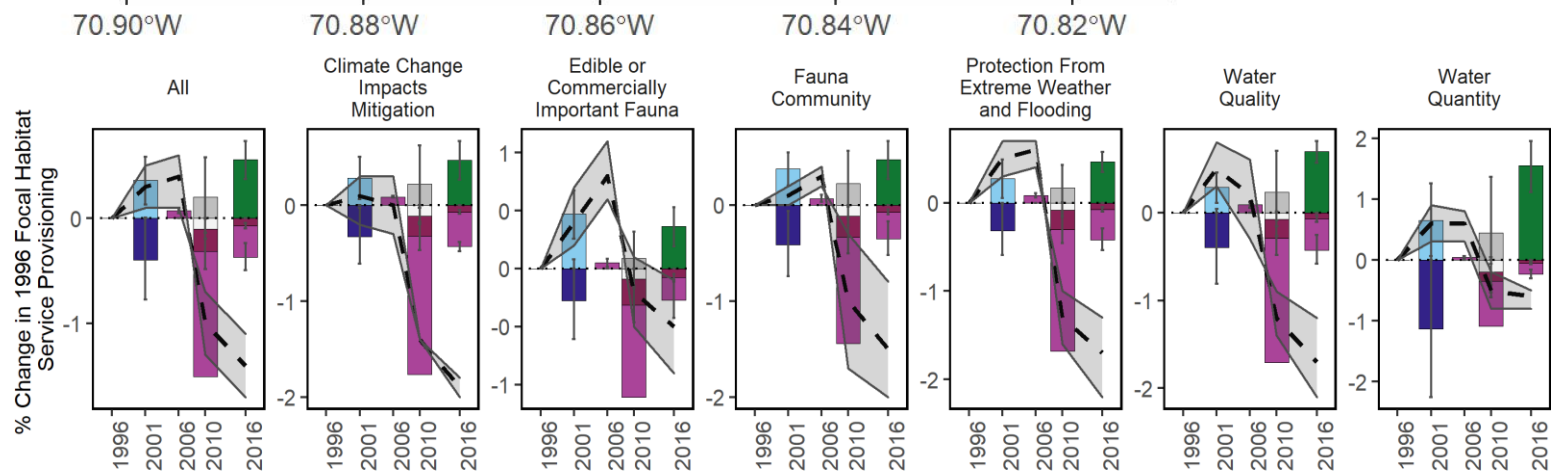
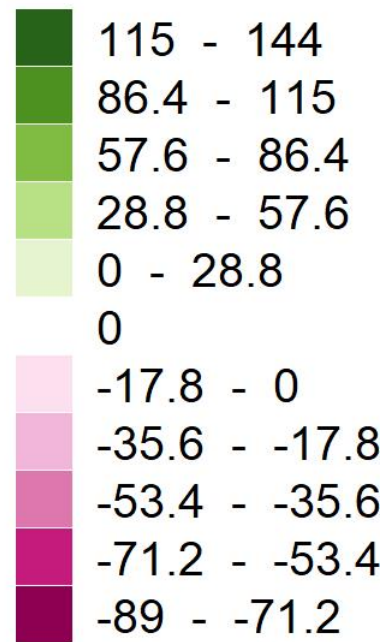
High Elevation Salt Marsh
 Low Elevation Salt Marsh
 Unclassified Salt Marsh
 Tidal Flats

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	3,194.6	130.8	31.2	49.3	6.9	0	43.4
Percent Focal	2,441.8	100.0	23.8	37.7	5.3	0	33.2
Percent All	100.0	4.1	1.0	1.5	0.2	0	1.4

Weir River / Straits Pond - Change 1996-2016

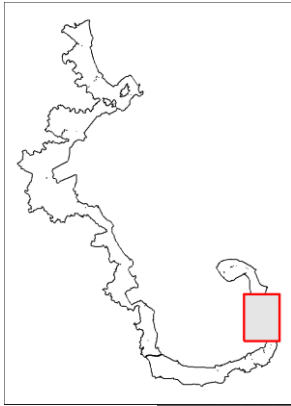


% Change



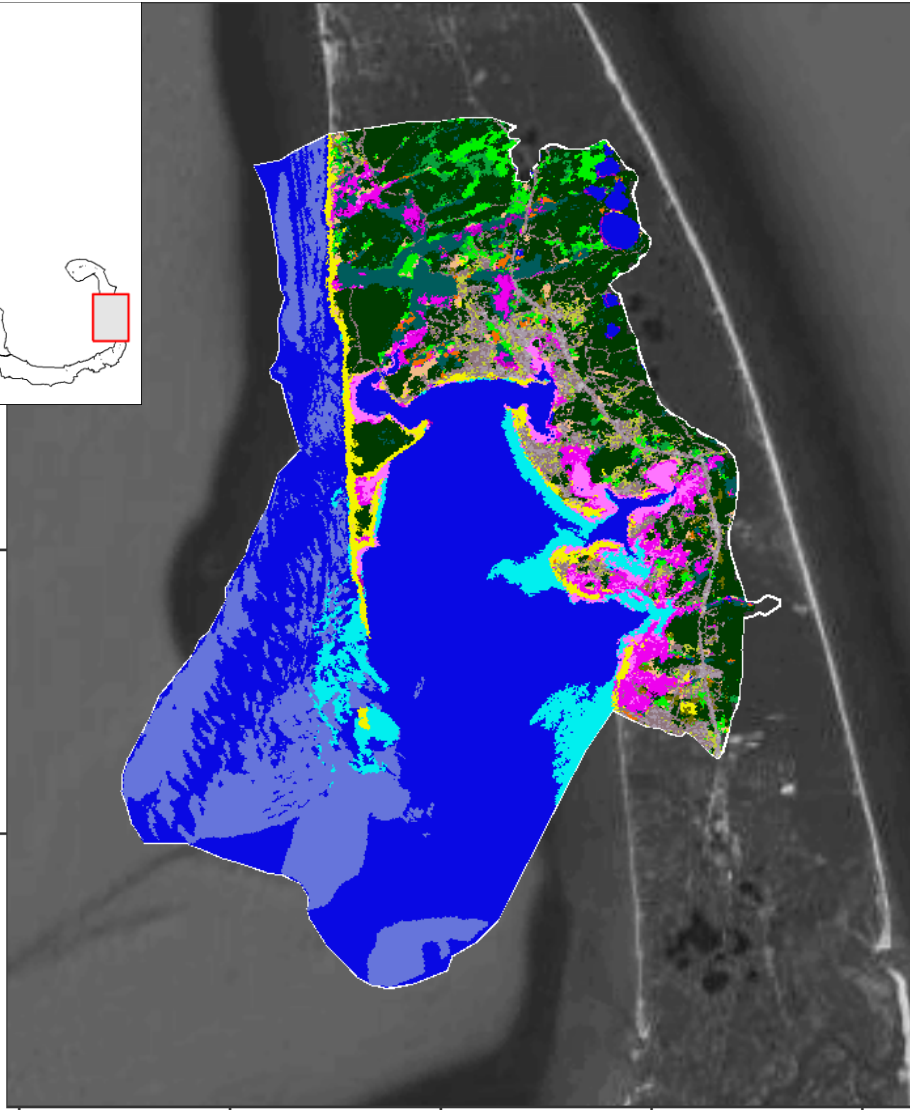
Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all Focal Services	% Conversion Habitat Service Change Relative to all Focal Services	Net % Change in Focal Services Relative to 1996
High Elev. Salt Marsh	Development	-1.5	-1.3	0.2	-1.3
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.4	-0.3	0.4	-0.3
Low Elev. Salt Marsh	Development	-0.3	-0.2	0.0	-0.2
Low Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-0.1	-0.1	0.1	-0.1
High Elev. Salt Marsh	All Others	0.2	0.1	-0.1	0.1
Tidal Flats	Open Water	0.5	0.4	-0.4	0.4

Wellfleet Harbor - 1996



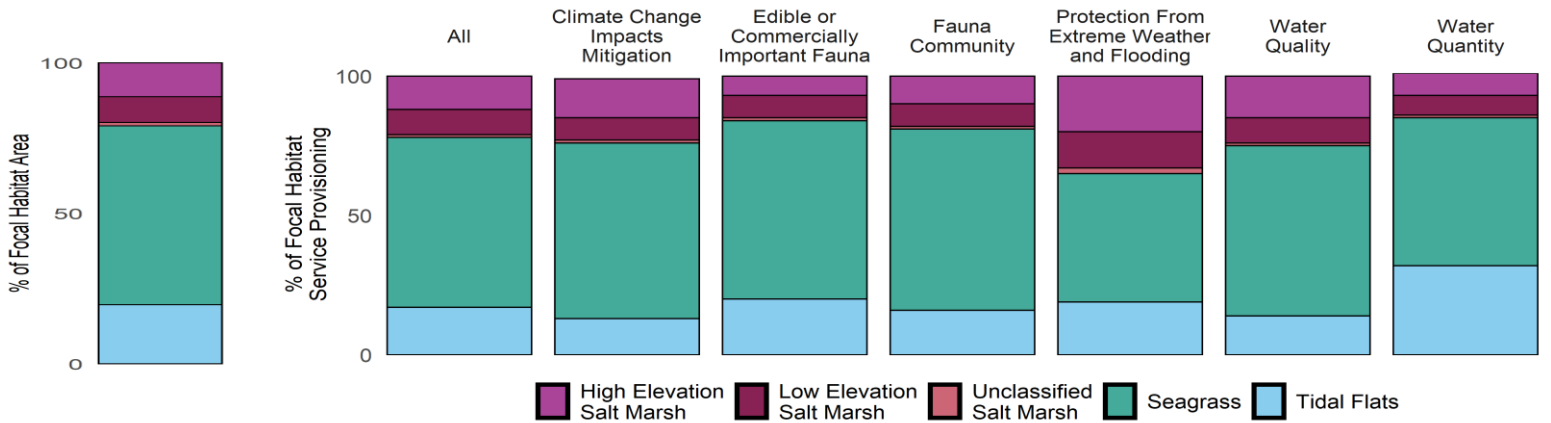
41.90°N

41.85°N



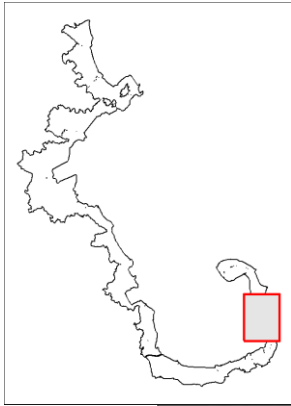
70.15°W 70.10°W 70.05°W 70.00°W 69.95°W

- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Scrub/Shrub
- Palustrine Forested Wetland
- Palustrine Scrub/Shrub Wetland
- Palustrine Emergent Wetland
- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass



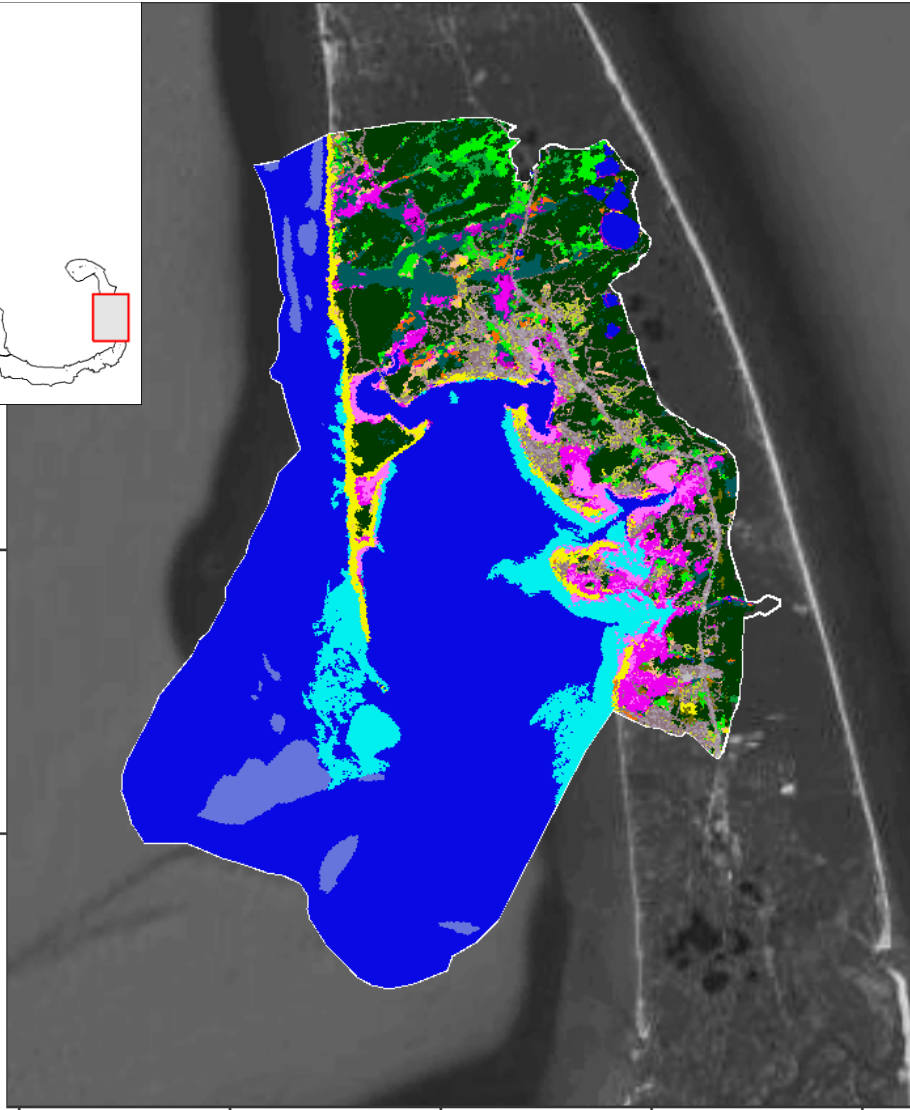
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	23,370.5	3,191.5	358.0	274.4	34.1	1,895.0	629.9
Percent Focal	732.3	100.0	11.2	8.6	1.1	59.4	19.7
Percent All	100.0	13.7	1.5	1.2	0.1	8.1	2.7

Wellfleet Harbor - 2016



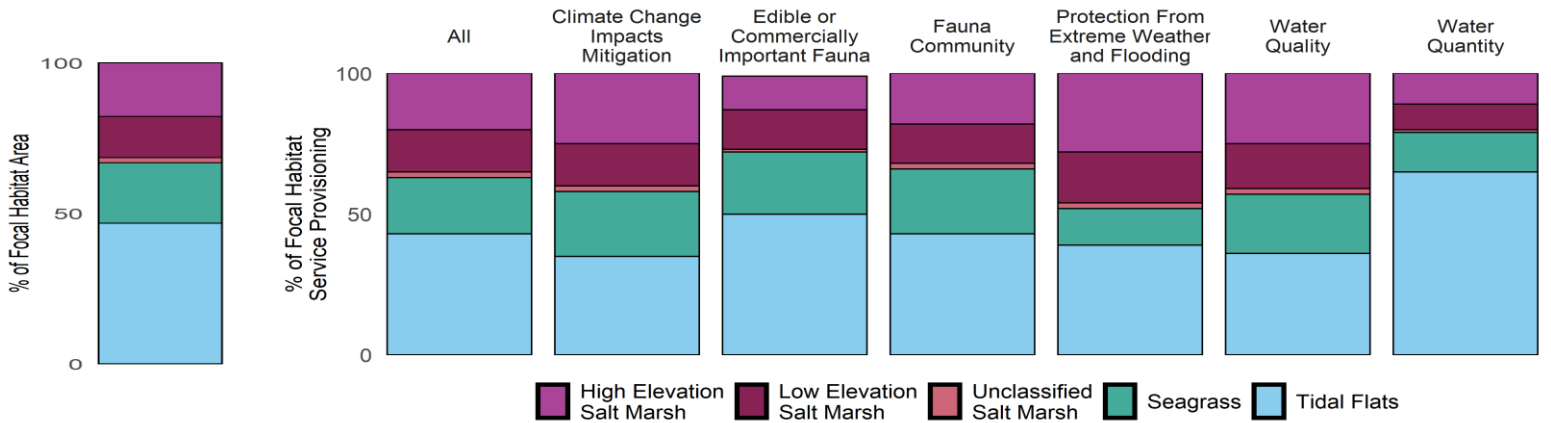
41.90°N

41.85°N



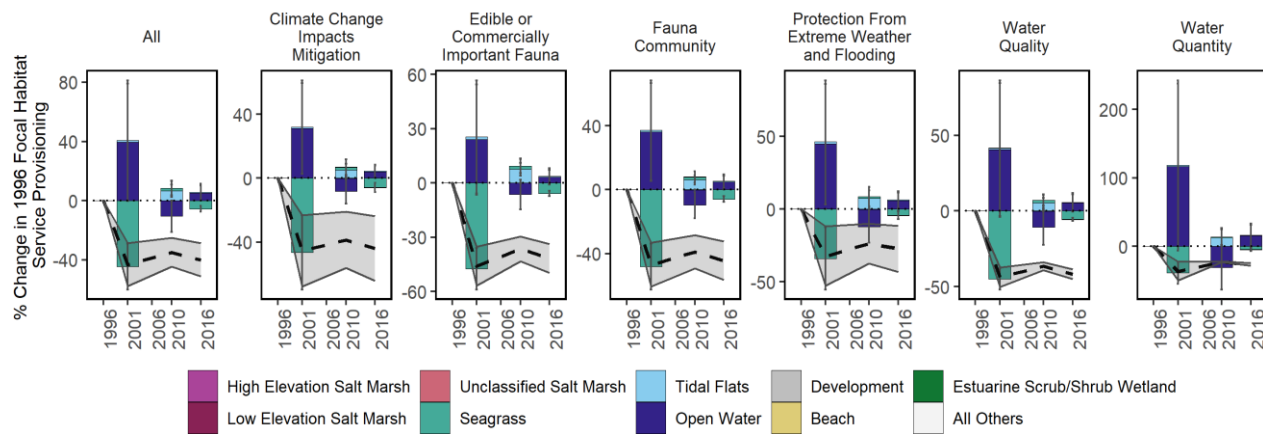
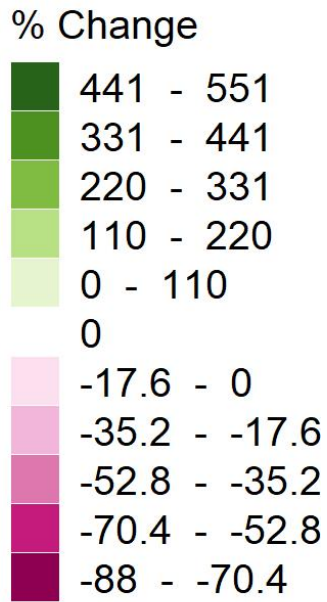
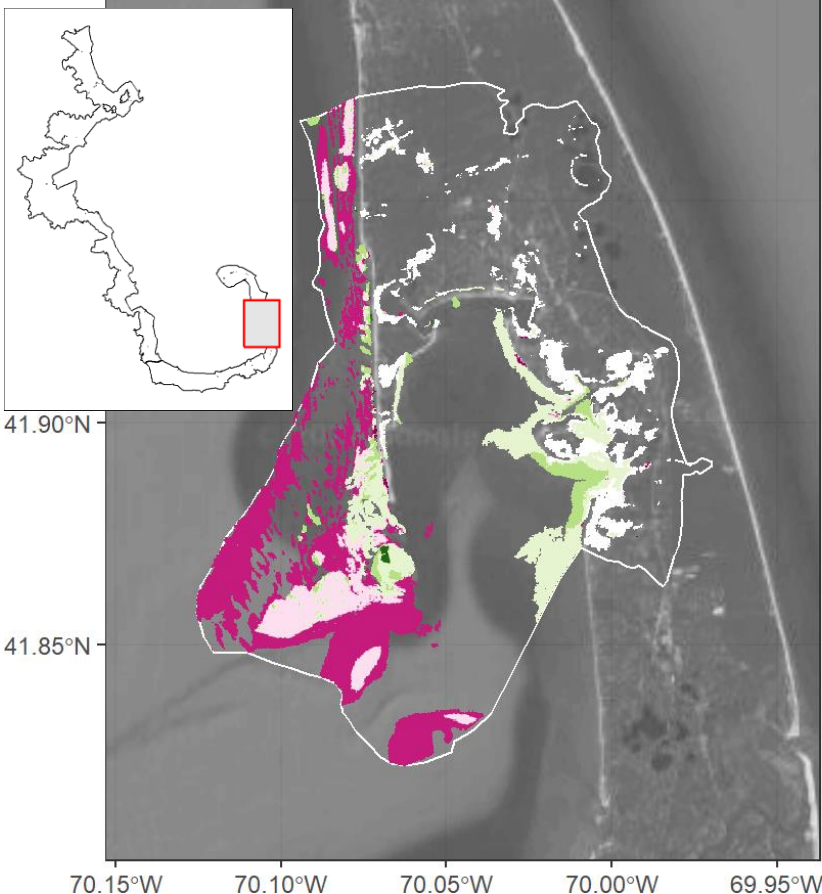
70.15°W 70.10°W 70.05°W 70.00°W 69.95°W

- Developed, High Intensity
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, Open Space
- Cultivated Crops
- Pasture/Hay
- Grassland/Herbaceous
- Deciduous Forest
- Evergreen Forest
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- Palustrine Scrub/Shrub Wetland
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- Estuarine Forested Wetland
- Estuarine Scrub/Shrub Wetland
- Unclassified Saltmarsh
- Low Elevation Saltmarsh
- High Elevation Saltmarsh
- Tidal Flats
- Beach
- Open Water
- Palustrine Aquatic Bed
- Seagrass



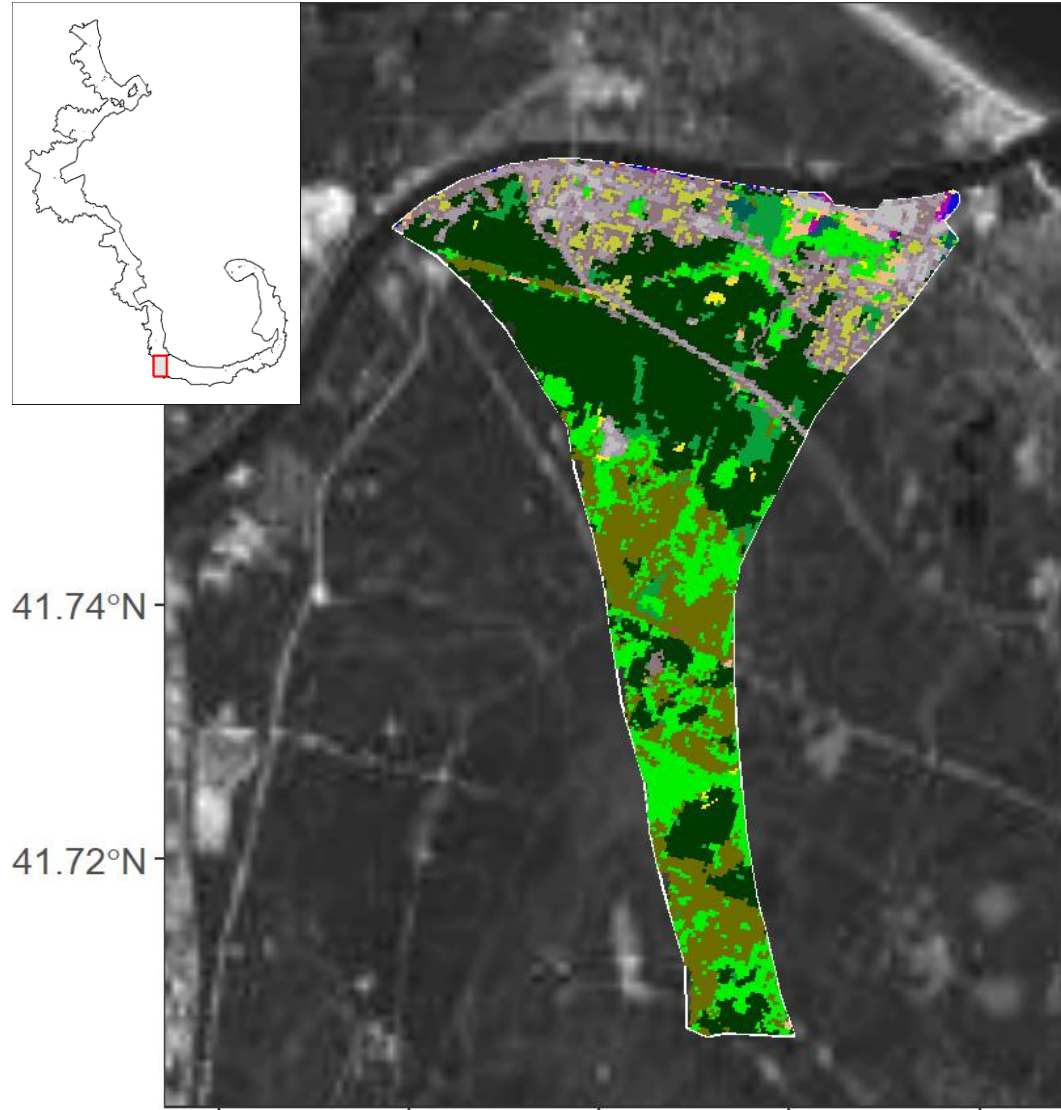
Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	23,370.5	2,011.2	358.2	276.4	33.8	403.7	939.1
Percent Focal	1,162.0	100.0	17.8	13.7	1.7	20.1	46.7
Percent All	100.0	8.6	1.5	1.2	0.1	1.7	4.0

Wellfleet Harbor - Change 1996-2016



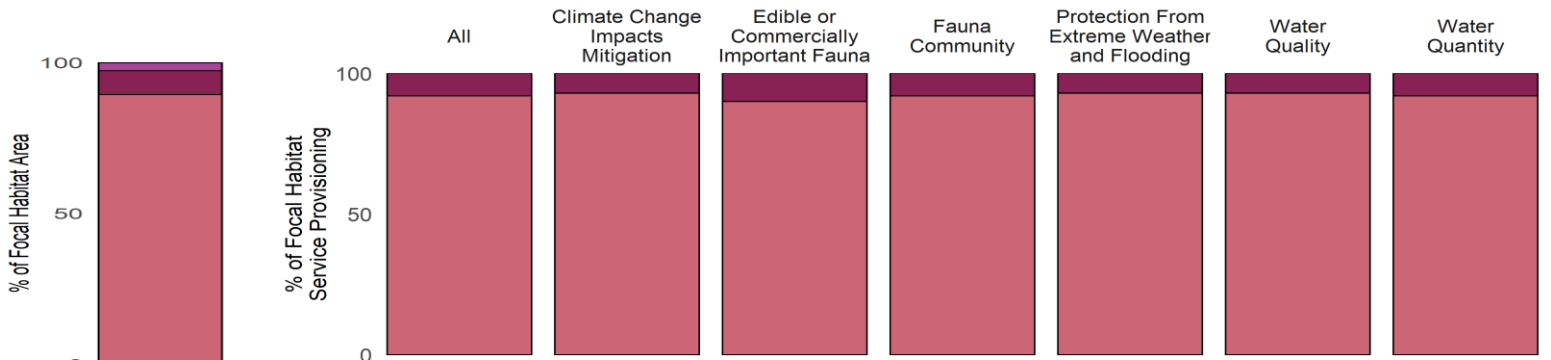
Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Seagrass	Open Water	-1,397.4	-45.4	51.8	-45.4
Seagrass	Tidal Flats	-93.6	-3.0	2.6	-0.4
Low Elev. Salt Marsh	Tidal Flats	-1.5	0.0	0.0	0.0
High Elev. Salt Marsh	Estu. Scrub/Shrub Wetland	-1.4	0.0	0.1	0.0
Tidal Flats	All Others	-1.1	0.0	0.0	0.0
Unclassified Salt Marsh	Estu. Scrub/Shrub Wetland	-0.7	0.0	0.0	0.0
High Elev. Salt Marsh	Development	-0.6	0.0	0.0	0.0
Low Elev. Salt Marsh	Development	-0.5	0.0	0.0	0.0
Seagrass	Low Elev. Salt Marsh	-0.3	0.0	0.0	0.0
High Elev. Salt Marsh	Tidal Flats	-0.2	0.0	0.0	0.0
High Elev. Salt Marsh	Beach	0.1	0.0	0.0	0.0
Unclassified Salt Marsh	All Others	0.4	0.0	0.0	0.0
Low Elev. Salt Marsh	Beach	0.4	0.0	0.0	0.0
Tidal Flats	Beach	1.3	0.0	0.0	0.0
High Elev. Salt Marsh	All Others	2.3	0.1	-0.1	0.1
Low Elev. Salt Marsh	Open Water	3.4	0.1	-0.1	0.1
Tidal Flats	Open Water	213.7	5.9	-16.4	5.9

West Sandwich - 1996



41.74°N
41.72°N
70.58°W 70.56°W 70.54°W 70.52°W 70.50°W

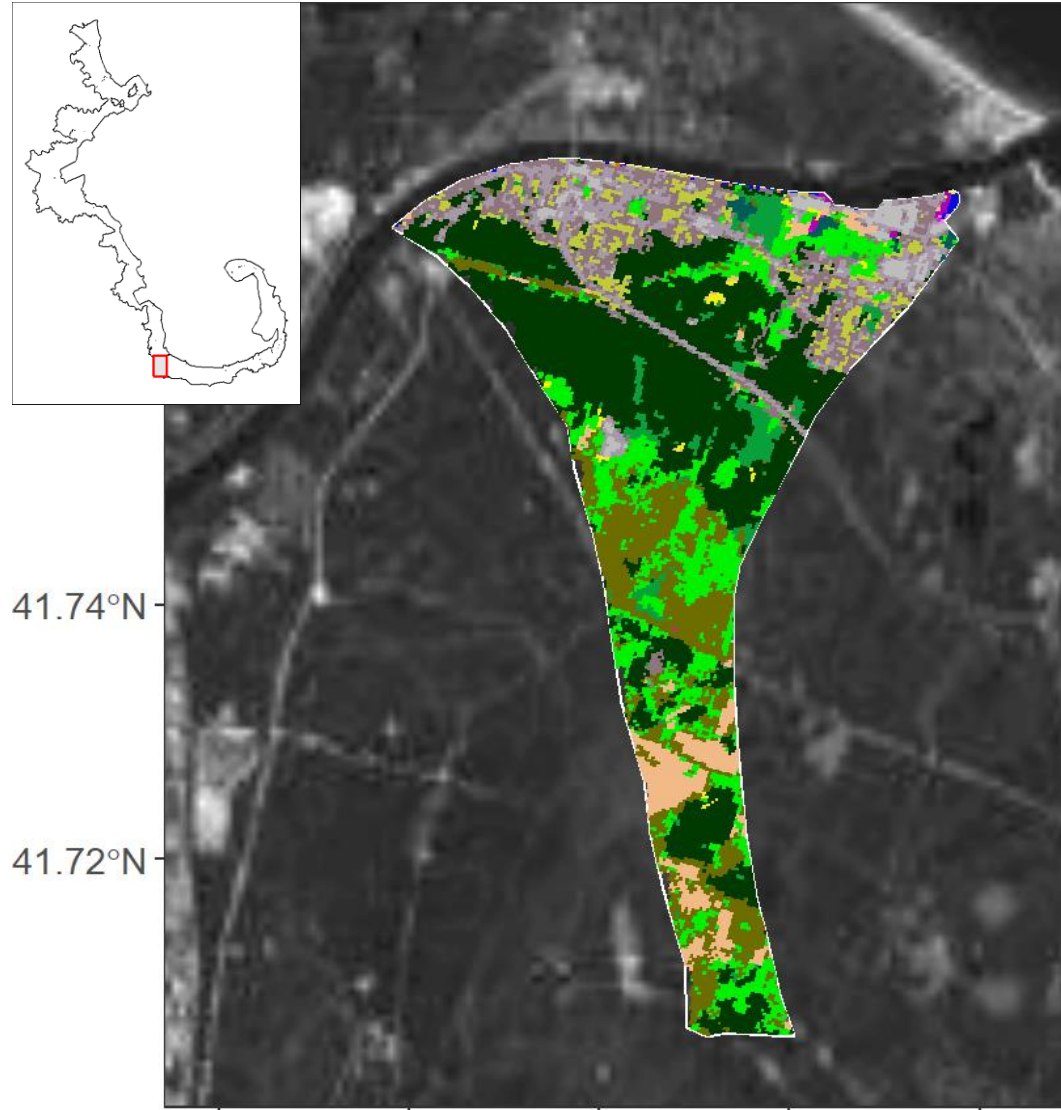
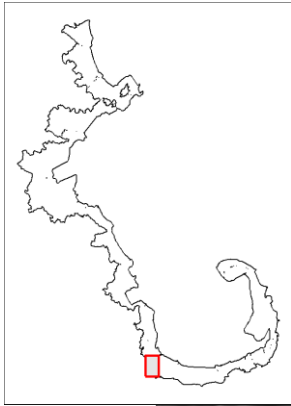
- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
- Tidal Flats
- Developed, Low Intensity
- Evergreen Forest
- Estuarine Forested Wetland
- Beach
- Developed, Open Space
- Mixed Forest
- Estuarine Scrub/Shrub Wetland
- Open Water
- Cultivated Crops
- Scrub/Shrub
- Unclassified Saltmarsh
- Palustrine Aquatic Bed
- Pasture/Hay
- Palustrine Forested Wetland
- Low Elevation Saltmarsh
- Seagrass



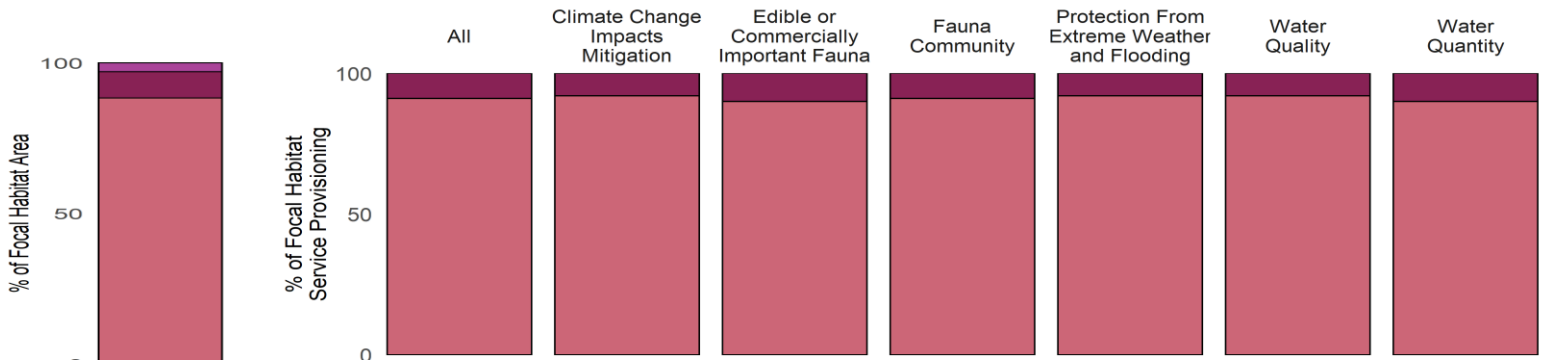
- High Elevation Salt Marsh
- Low Elevation Salt Marsh
- Unclassified Salt Marsh

Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,446.5	3.4	0.1	0.3	3.1	0	0
Percent Focal	71,325.3	100.0	2.6	7.9	89.5	0	0
Percent All	100.0	0.1	0.0	0.0	0.1	0	0

West Sandwich - 2016

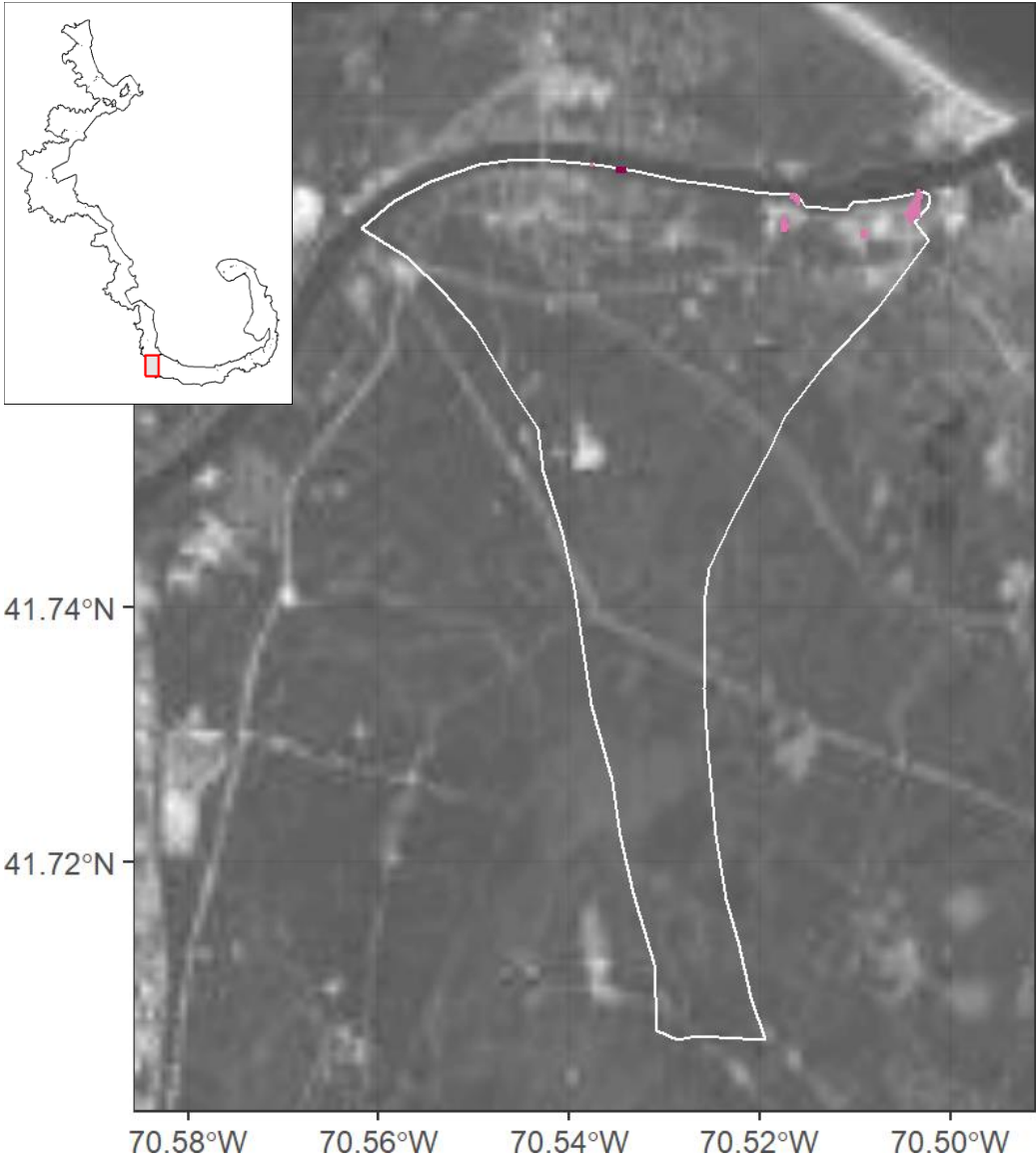
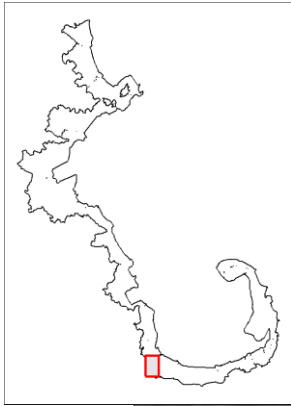


- Developed, High Intensity
- Grassland/Herbaceous
- Palustrine Scrub/Shrub Wetland
- High Elevation Saltmarsh
- Developed, Medium Intensity
- Deciduous Forest
- Palustrine Emergent Wetland
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- Seagrass

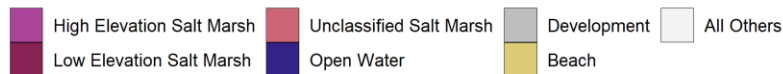
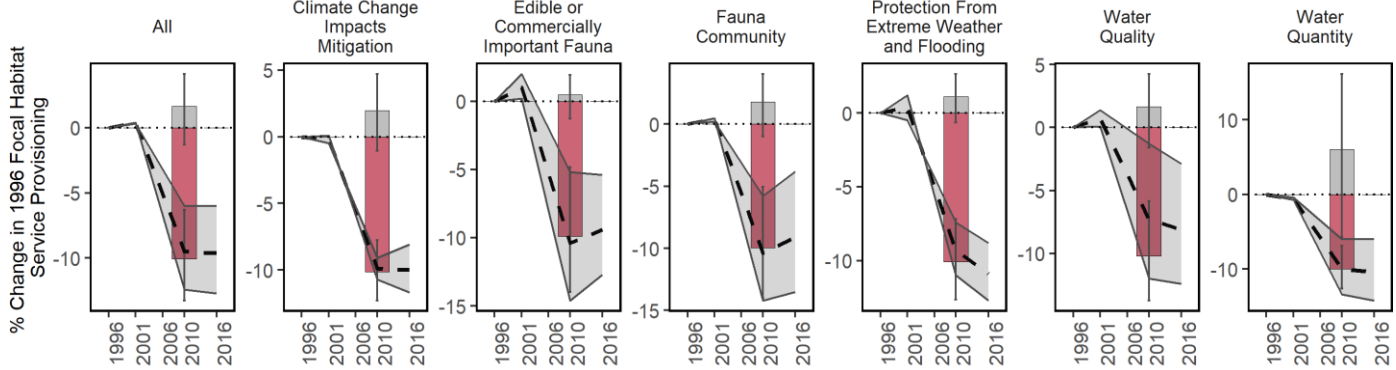
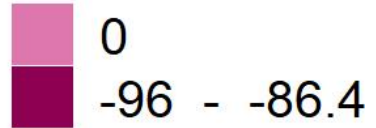


Metric	Total	All Focal	High Elevation Salt Marsh	Low Elevation Salt Marsh	Unclassified Salt Marsh	Seagrass	Tidal Flats
Area (ha)	2,446.5	3.1	0.1	0.3	2.7	0	0
Percent Focal	79,173.4	100.0	2.9	8.7	88.3	0	0
Percent All	100.0	0.1	0.0	0.0	0.1	0	0

West Sandwich - Change 1996-2016



% Change



Focal Habitat	Conversion Habitat	Area Converted 1996-2016 (ha)	% Original Habitat Service Change Relative to all 1996 Focal Services	% Conversion Habitat Service Change Relative to all 1996 Focal Services	Net % Change in Focal Services Relative to 1996
Unclassified Salt Marsh	Development	-0.3	-10.1	2	-10.1