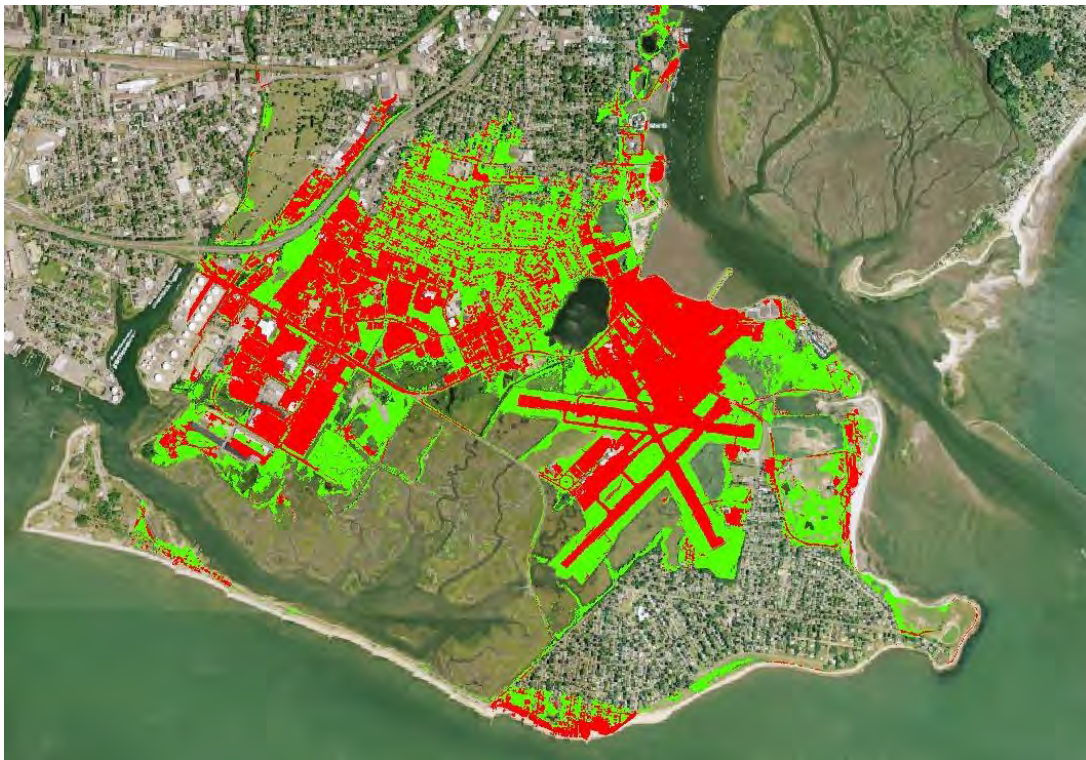


The Salt Marsh Advancement Zone Assessment of Connecticut



Front cover image: Salt marsh advancement zones in Stratford, CT from the Comprehensive Map Book of Stratford, CT.

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ACKNOWLEDGEMENTS:

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Introduction

In 2006, The Nature Conservancy established the Coastal Resilience Program (www.coastalresilience.org) that provides tools and a solution framework to reduce the ecological and socio-economic risk of hazards and comprehensively improve community resilience along the Connecticut coast. The Program focuses on helping decision-makers explore locally relevant, downscaled, flooding scenarios from sea-level rise and/or storm surge, analyze the potential ecological, social and economic impacts of each scenario at a local, regional, and state scale, and facilitate solutions to address these issues. Since 2006, The Nature Conservancy has directly assisted over 35 coastal and inland communities in Connecticut through the provision of this critical information coupled with a comprehensive, community-based process that improves overall resilience and sustainability.

There is a universal recognition by coastal and inland communities in Connecticut and elsewhere that natural infrastructure – such as wetlands and forests - is a cost effective, long-term part of the solution that will protect people, infrastructure and natural systems from extreme weather and climatic change. Fortunately, our state has a remarkable diversity and abundance of natural resources that provide habitat for wildlife and fisheries, enhance the aesthetics and quality of life for residents, and, of course, defend the shoreline and rivers against storm surge, inland flooding, and sea level rise. The presence of natural infrastructure across the state – in particular salt marsh, beaches/dunes, forested headwaters, and river floodplains – is a testament of previous recognition and commitment to long-term conservation and the requisite balance with socio-economic growth. In order to maintain this natural infrastructure it will require 1) routine and on-going management activities as well as the restoration of degraded areas, 2) forward-looking planning to accommodate changes in habitat composition and location due to climatic change and 3) enforcement, modification and/or establishment of new land use policies and growth strategies. Opportunities also exist to account for and integrate the services or co-benefits provided by natural infrastructure via new development, redevelopment, or realignment activities. Economically important co-benefits from natural infrastructure include wave attenuation, improved water storage and filtering of pollutants from surface runoff, erosion control, and improved aesthetics and desirability of public amenities. Taken in total, the immediate and longer-term management of natural infrastructure by the state, towns, private property owners, non-profit organizations and others will help to reduce risk and improve resilience across the entirety of Connecticut.

While longer-term changes in temperature and precipitation patterns will alter the species composition and type of habitats in a given location, the more immediate implication is the upslope advancement of habitats such as salt marsh in response to continued sea level rise. Sea level rise and the impacts of flooding have and will continue to alter the presence and abundance of natural infrastructure in Connecticut. One of the most noticeable changes is occurring at the coastal edge where salt marsh is in the process of advancing upslope into areas now considered uplands. In order to clearly identify where this will occur along Connecticut's coast, The Nature Conservancy presents the following report to assist with future planning for natural infrastructure in the context of overall risk reduction and resiliency improvement for coastal communities. Ultimately, it is our hope that this report will serve to inform

communities about future marsh advancement locations, current land use of those locations and which parcels are critical to ensure the persistence of natural infrastructure in Connecticut longer term.

The Salt Marsh Advancement Model used in this analysis was co-developed by The Nature Conservancy and the University of Connecticut's Department of Natural Resources Management and Engineering. A full discussion of the Model and underlying methodology is beyond the scope of this report, but a few important details are needed to put the following analysis into context and define how to use the results for planning and implementation.

Suitable vs. Unsuitable Advancement

In the following figures and tables suitable advancement areas are abbreviated as “Yes” and unsuitable areas are abbreviated as “No”. Suitable areas are classified based on the current land cover type - “forest” or “agrigrass” - and as such are expected to convert to salt marsh as hydrologic conditions change due to sea level rise, in the absence of further land use change. Land cover types classified as “urban” (i.e. roads, buildings, runways, parking lots, etc.) are considered to be unsuitable for salt marsh advancement at this time. Though much of our analysis is grouped by parcel ID and associated characteristics, these classifications – suitable and unsuitable – exist independent of the parcel boundaries. In other words, a given residential parcel can have both suitable (lawn) and unsuitable (building footprint) advancement areas.

Marsh Advancement vs. Wetland Extent

There is a key distinction in this report between the current wetland extent in a municipality and the marsh advancement areas analyzed herein. Marsh advancement areas include only the future projected wetland extent clipped to current upland land cover. Therefore, no assumption should be made about net gain or loss of current wetland extent based on this advancement area analysis. Another key consideration is that in some cases the identified advancement area will include land that converts to wetlands and subsequently to open-water over time. This further demonstrates that net change in both existing and future wetland extent should not be inferred from our analysis.

Planning for the Future

The advancement and eventual establishment of salt marshes will occur over the course of several decades and as such our analysis extends out to the 2080s. The rate of change is slow and decadal, yet inevitable. There is an abundance of existing property, infrastructure and natural assets clustered along the Connecticut coast and communities will need to formulate growth and realignment plans well in advance of the 2080s scenario presented here. The following data analysis and associated Map Book (Appendix) can assist with a resilient transition through the presentation of salt marsh advancement areas and an accounting of the projected changes to coastal property.

Total Marsh Advancement

The full extent of marsh advancement in Connecticut by the 2080s is projected to be 23,928.8 acres, with 16,891.8 acres (70.6%) having suitable (Yes) land cover for salt marsh advancement. The other 7,037.0 acres (29.4%) are occupied by built structures and associated infrastructure and are unsuitable for marsh advancement (No), currently.

Total Marsh Advancement by 2080s		
Marsh Adv	Acres	Percent (%)
Yes	16,891.8	70.6
No	7,037.0	29.4
Total	23,928.8	100.0

Marsh Advancement by Municipality

Connecticut's coastal municipalities provide varying proportions of the state's full extent (Yes + No) and suitable (Yes only) marsh advancement. The table below outlines the distribution of the full extent of marsh advancement and suitable marsh advancement by municipality from greatest to least.

Full Extent (Yes + No) Marsh Advancement			Suitable (Yes) Marsh Advancement		
Municipality	Acres	Full Extent (%)	Municipality	Acres	Suitable (%)
Stratford	2,384.6	10.0	Stonington	1,731.3	10.2
Stonington	1,999.5	8.4	Stratford	1,279.0	7.6
New Haven	1,675.0	7.0	Groton	1,172.6	6.9
Groton	1,470.5	6.1	Fairfield	1,026.3	6.1
Fairfield	1,401.9	5.9	Branford	924.2	5.5
Milford	1,162.6	4.9	Milford	867.0	5.1
Branford	1,138.3	4.8	Old Saybrook	825.2	4.9
Bridgeport	1,136.1	4.7	New Haven	820.7	4.9
Norwalk	1,103.4	4.6	Old Lyme	813.6	4.8
Old Saybrook	1,042.0	4.4	Guilford	754.0	4.5
East Haven	941.2	3.9	Madison	720.4	4.3
Old Lyme	937.9	3.9	East Haven	683.5	4.0
Guilford	927.5	3.9	Greenwich	681.0	4.0
Madison	916.7	3.8	Westport	667.1	3.9
Westport	885.3	3.7	Norwalk	657.9	3.9
Greenwich	876.0	3.7	Clinton	518.3	3.1
Stamford	863.8	3.6	Bridgeport	467.8	2.8
Clinton	650.1	2.7	Stamford	435.4	2.6
Westbrook	556.4	2.3	Darien	415.9	2.5
Darien	506.5	2.1	Westbrook	380.5	2.3
West Haven	503.6	2.1	West Haven	374.1	2.2
East Lyme	365.6	1.5	East Lyme	325.5	1.9
Waterford	330.3	1.4	Waterford	293.5	1.7
New London	154.0	0.6	New London	57.0	0.3
Total	23,928.8	100.0	Total	16,891.8	100.0

Marsh Advancement in Open Space Parcels

Open space (OS) properties are a critical component of long-term community resilience because they currently have little to no development and are the most likely areas to remain undeveloped through the 2080s. The recognition of the role of these parcels in future marsh extent and improved resilience in Connecticut is vital for strategic land management, economic development, and planning.

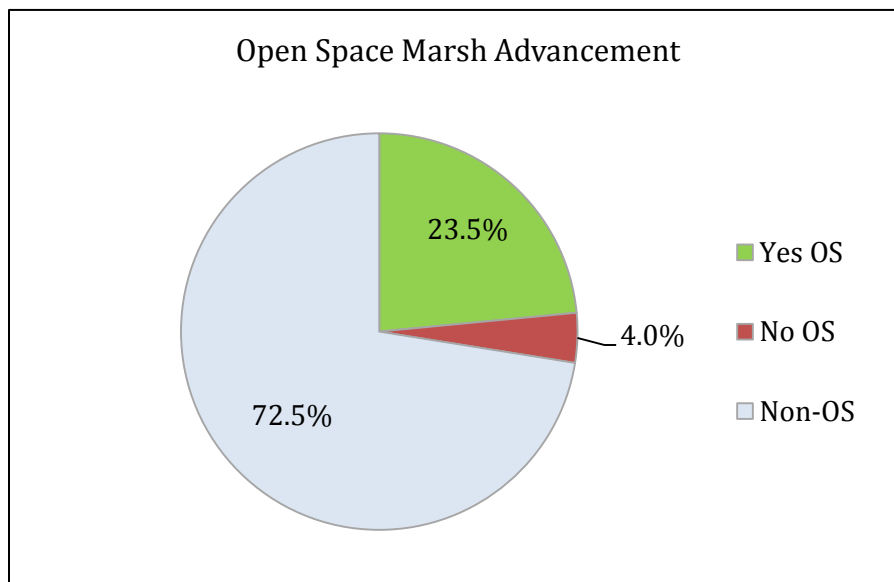
Total Advancement in Open Space Parcels

The following three categories are considered in this section:

- Yes OS: Areas of open space suitable for marsh advancement
- No OS: Areas of open space unsuitable for marsh advancement
- Non-OS: Unprotected areas both suitable and unsuitable for marsh advancement

Open space parcels in Connecticut contain 6,587.3 acres of total marsh advancement area with 5,619.5 acres (23.5% of total) having a land cover suitable for future wetlands (Yes OS). Further analysis of the 17,341.5 acres of unprotected parcels (Non-OS) can be found in the following “Marsh Advancement in All Parcels” section.

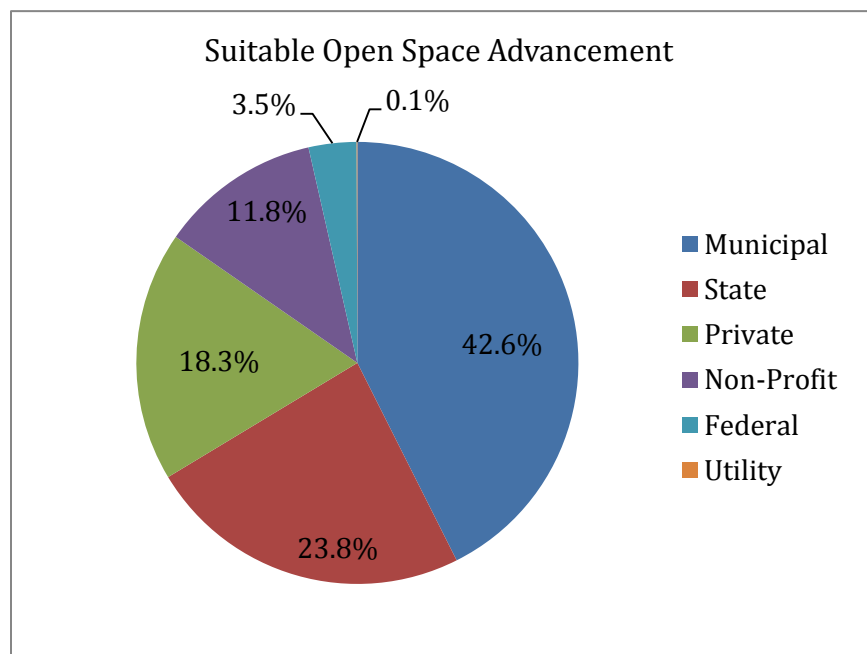
Open Space Marsh Advancement	
OS type	Acres
Yes OS	5,619.5
No OS	967.8
Non-OS	17,341.5
Total	23,928.8



Suitable Open Space Advancement by Owner

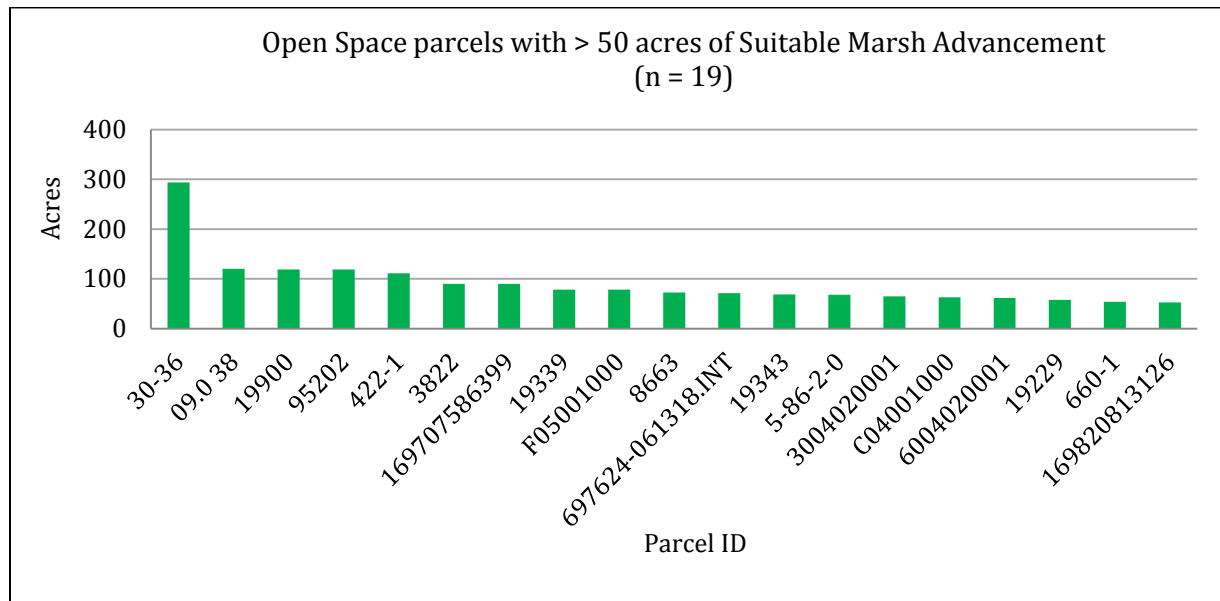
Municipalities own the greatest share of suitable open space for marsh advancement accounting for 2,393.0 acres (42.6%). State open space parcels provide 1,336.1 acres (23.8%). Privately owned properties contribute 1,028.2 acres (18.3%). Federal open space accommodates 196.7 acres (3.5%). Lastly, open space owned by utilities provides just 2.9 acres (0.1%) of Connecticut's future marsh advancement area.

Suitable Open Space Advancement			
Owner type	Acres	Total "Yes" OS (%)	Total "Yes" Adv (%)
Municipal	2,393.0	42.6	14.2
State	1,336.1	23.8	7.9
Private	1,028.1	18.3	6.1
Non-Profit	662.7	11.8	3.9
Federal	196.7	3.5	1.2
Utility	2.9	0.1	0.0
Total	5,619.5	100.0	33.3



Suitable Advancement by Open Space Parcel

There are 1,813 open space parcels along Connecticut's coast that intersect the full extent of marsh advancement by the 2080s. There are 19 open space parcels that each provides more than 50 acres of advancement area with a total aggregate of 1,732.9 acres (30.8%) of the state's suitable, open space marsh advancement area.



Open Space parcels with > 50 acres Suitable Marsh Advancement				
Parcel ID	Municipality	Acres	Total "Yes" OS (%)	Owner
30-36	Madison	293.8	5.2	State
09.0 38	East Lyme	120.3	2.1	State
19900	New Haven	118.8	2.1	Municipal
95202	Milford	118.8	2.1	State
422-1	Bridgeport	111.0	2.0	Municipal
3822	Stonington	90.1	1.6	State
169707586399	Groton	89.8	1.6	State
19339	Fairfield	78.6	1.4	Private
F05001000	Westport	78.4	1.4	State
8663	Stamford	72.2	1.3	Municipal
697624-061318.INT	Greenwich	71.0	1.3	Municipal
19343	Fairfield	68.7	1.2	Private
5-86-2-0	Norwalk	68.1	1.2	Private
3004020001	Stratford	64.8	1.2	Federal
C04001000	Westport	62.5	1.1	Private
6004020001	Stratford	61.8	1.1	Municipal
19229	Fairfield	57.7	1.0	Municipal
660-1	Bridgeport	53.6	1.0	Municipal
169820813126	Groton	52.9	1.0	State
Total		1,732.9	30.9	

Marsh Advancement in All Parcels

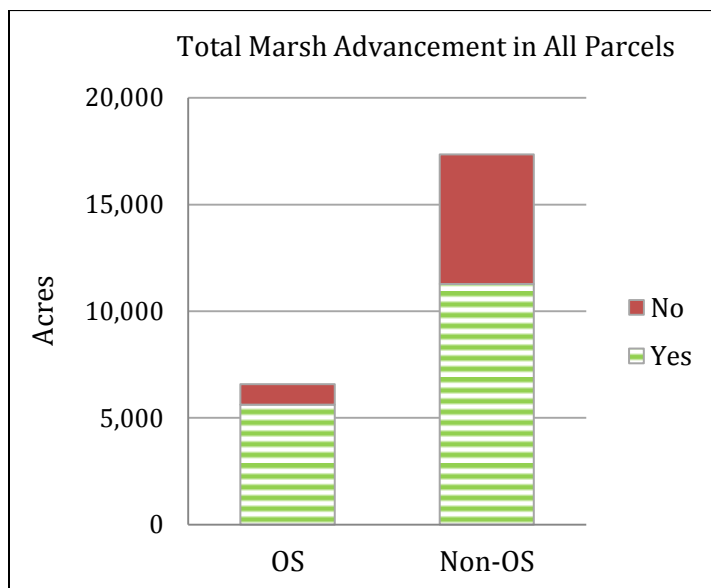
This section incorporates all parcels into the analysis of suitable marsh advancement. These results help put the open space analysis into perspective, as well as identify important unprotected parcels in Connecticut's marsh advancement landscape.

Total Advancement in All Parcels (OS vs. Non-OS)

The open space parcels for this analysis include many types of properties including state parks, municipal open space, cemeteries, conservation non-profit properties, open space set-asides for developments, and other private properties. This section provides an analysis of suitable areas for marsh advancement on these open space parcels versus all other parcels. These two types of parcels are designated as:

- 'OS' for open space parcels
- 'Non-OS' for all other parcels

Open space parcels contain 5,619.5 acres (33.0% of total) of suitable marsh advancement zone. The other 11,272.3 acres of land suitable for marsh advancement (67.0% of total) are unprotected and generally occur on residential, commercial, or industrial properties. The unprotected suitable areas will receive twofold of Connecticut's marsh advancement by the 2080s. This information has two important implications for future planning: 1) today's unprotected properties will play a vital role in maintaining Connecticut's salt marsh resources in the future, and 2) a large amount of current development (6,069.2 acres) will be in direct conflict with rising sea levels.



Total Marsh Advancement			
Parcel type	Yes	No	Total
OS	5,619.5	967.8	6,587.3
Non-OS	11,272.3	6,069.2	17,341.5
Total	16,891.8	7,037.0	23,928.8

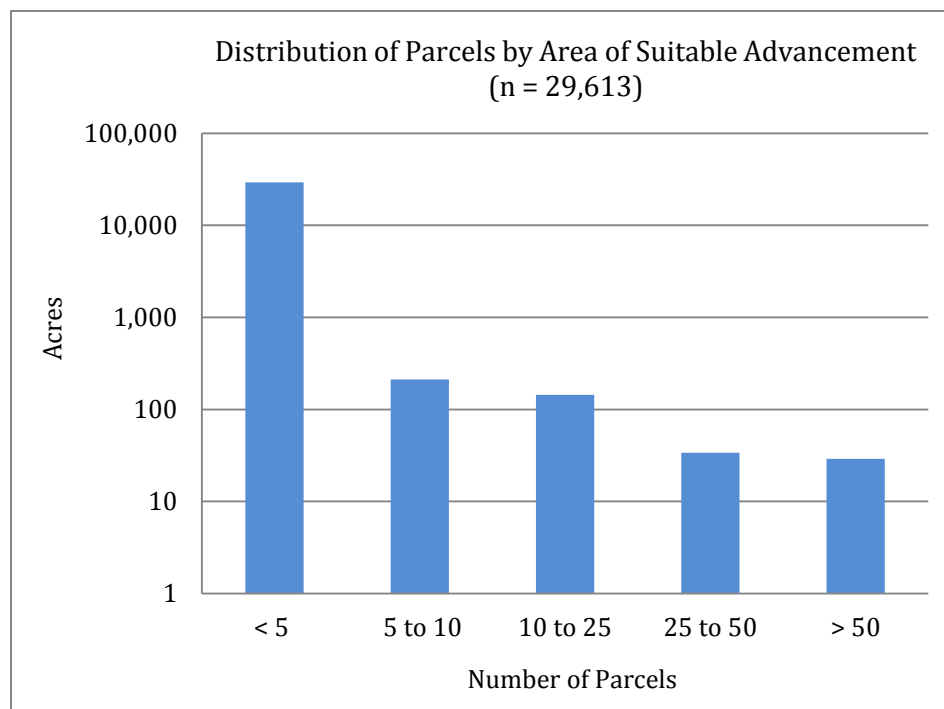
Coastal municipalities provide varying proportions of the state's suitable marsh advancement zone. The table below outlines the distribution of suitable marsh advancement within each municipality's open space and non-open space parcels, as well as total suitable advancement (OS + Non-OS) regardless of parcel type. The table also provides the percentage of Connecticut's future marsh advancement zone contributed by each municipality.

Suitable Marsh Advancement by Municipality				
Municipality	OS (acres)	Non-OS (acres)	Total "Yes" Adv (acres)	Total "Yes" OS (%)
Stonington	598.9	1,132.3	1,731.3	10.7
Groton	439.2	733.4	1,172.6	7.8
Madison	395.6	324.8	720.4	7.0
Fairfield	387.8	638.4	1,026.3	6.9
Milford	380.9	486.1	867.0	6.8
New Haven	344.1	476.5	820.7	6.1
Norwalk	340.1	317.7	657.9	6.1
Branford	299.5	624.7	924.2	5.3
Stratford	259.8	1,019.2	1,279.0	4.6
Westport	249.7	417.4	667.1	4.4
Greenwich	248.0	433.0	681.0	4.4
Bridgeport	247.8	220.0	467.8	4.4
Guilford	225.7	528.3	754.0	4.0
Old Saybrook	190.2	634.9	825.2	3.4
Stamford	189.5	245.9	435.4	3.4
West Haven	189.4	184.8	374.1	3.4
Old Lyme	148.4	665.3	813.7	2.6
East Lyme	143.5	182.1	325.5	2.6
Waterford	112.9	180.6	293.5	2.0
Clinton	58.5	459.8	518.3	1.0
Westbrook	57.2	323.3	380.5	1.0
Darien	55.1	360.8	415.9	1.0
East Haven	46.9	636.6	683.5	0.8
New London	10.8	46.1	57.0	0.3
Total	5,619.5	11,272.3	16,891.8	100.0

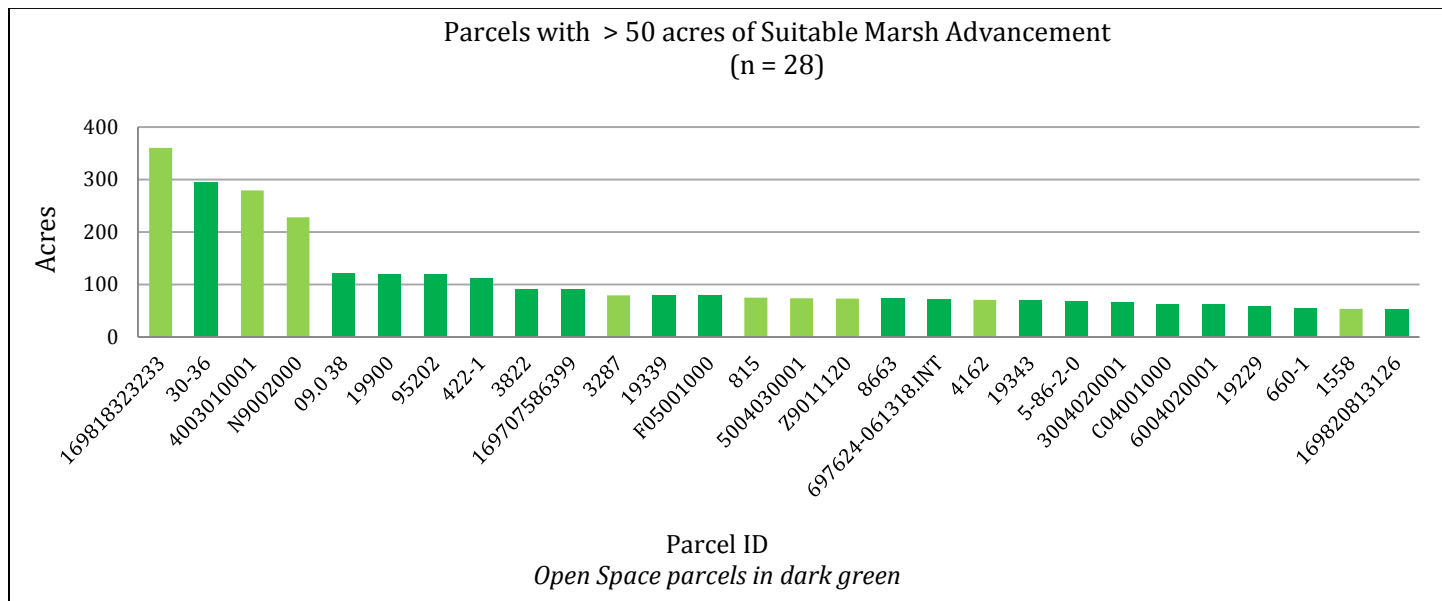
Suitable Advancement by All Parcels

There are 29,613 parcels in Connecticut that provide areas of suitable marsh advancement. The vast majority of parcels (98.6% (29,195 parcels)) with suitable marsh advancement provide less than 5 acres, individually. Connecticut has 418 parcels (1.4% of total) that each provide more than 5 acres of suitable marsh advancement area.

Parcel Distribution	
Suitable Advancement Area	Number of Parcels
< 5 acres	29,195
5 to 10 acres	212
10 to 25 acres	144
25 to 50 acres	34
> 50 acres	28



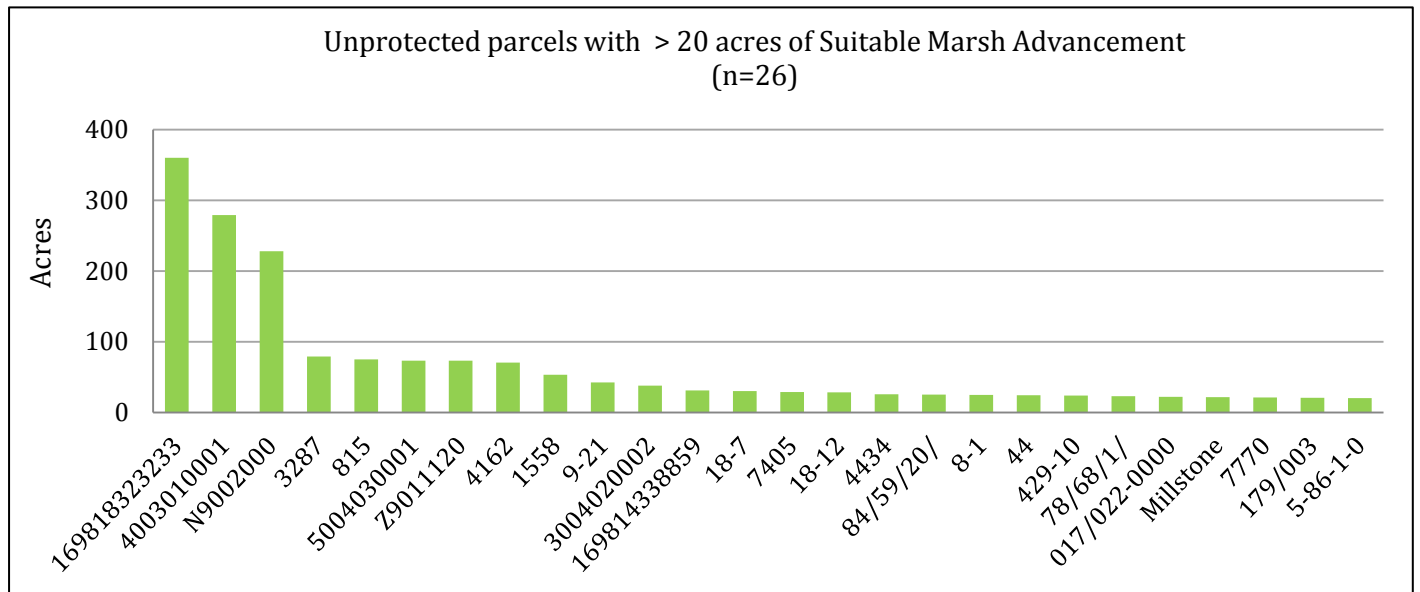
There are only 28 parcels (OS + Non-OS) in Connecticut that offer suitable marsh advancement areas greater than 50 acres. This small subset provides 3,023.3 acres of marsh advancement zone or 17.7% of Connecticut's overall total.



Parcels with > 50 acres of Suitable Marsh Advancement			
Parcel ID	Municipality	Acres	Total "Yes" Adv (%)
169818323233	Groton	360.0	2.1
30-36	Madison	293.8	1.7
4003010001	Stratford	279.2	1.7
N9002000	East Haven	227.8	1.3
09.0 38	East Lyme	120.3	0.7
19900	New Haven	118.8	0.7
95202	Milford	118.8	0.7
422-1	Bridgeport	111.0	0.7
3822	Stonington	90.1	0.5
169707586399	Groton	89.8	0.5
3287	Stonington	78.9	0.5
19339	Fairfield	78.5	0.5
F05001000	Westport	78.4	0.5
815	New Haven	75.0	0.4
5004030001	Stratford	73.3	0.4
Z9011120	East Haven	73.1	0.4
8663	Stamford	72.2	0.4
697624-061318.INT	Greenwich	71.0	0.4
4162	Stonington	70.5	0.4
19343	Fairfield	68.7	0.4
5-86-2-0	Norwalk	67.5	0.4
3004020001	Stratford	64.7	0.4
C04001000	Westport	62.5	0.4
6004020001	Stratford	61.8	0.4
19229	Fairfield	57.7	0.3
660-1	Bridgeport	53.4	0.3
1558	Stonington	53.2	0.3
169820813126	Groton	52.9	0.3
Total		3,023.3	17.7

Suitable Advancement by Unprotected Parcels (Non-OS)

There are 26 unprotected (Non-OS) parcels in Connecticut that provide greater than 20 acres of suitable marsh advancement. This small subset provides 1,742.4 acres of marsh advancement zone or 10.1% of Connecticut's overall total. The specific parcels can be viewed via the corresponding Map Book page (Appendix) indicated in the table below.

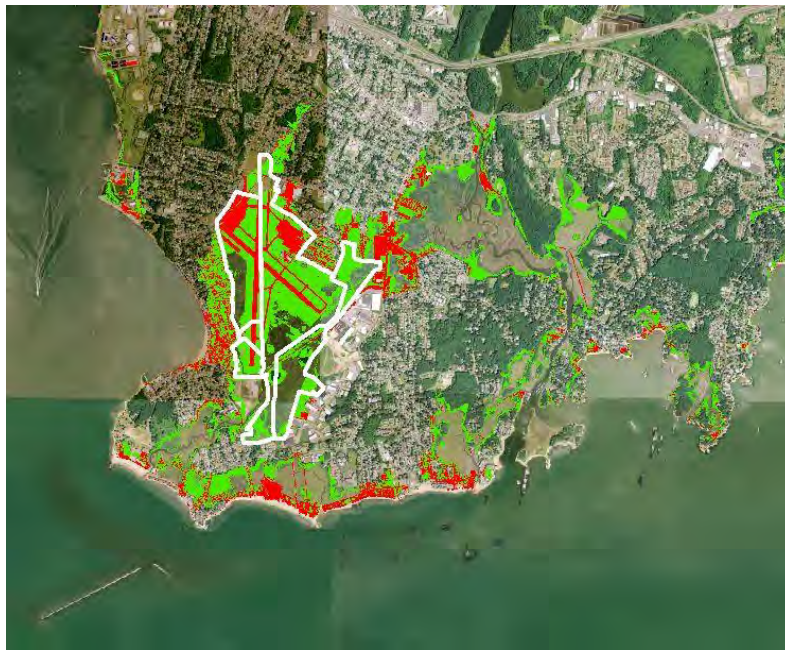


Parcel ID	Municipality	Acres	Total "Yes" Adv (%)	Map Book Page #
169818323233	Groton	360.0	2.1	3
4003010001	Stratford	279.2	1.7	4
N9002000	East Haven	227.8	1.3	5
3287	Stonington	78.9	0.5	6
815	New Haven	75.0	0.4	7
5004030001	Stratford	73.3	0.4	8
Z9011120	East Haven	73.1	0.4	9
4162	Stonington	70.5	0.4	10
1558	Stonington	53.2	0.3	11
9-21	Old Lyme	42.3	0.3	12
3004020002	Stratford	37.8	0.2	13
169814338859	Groton	31.1	0.2	14
18-7	Old Lyme	30.3	0.2	15
7405	Branford	29.0	0.2	16
18-12	Old Lyme	28.6	0.2	17
4434	Stonington	25.6	0.2	18
84/59/20/	Clinton	25.4	0.2	19
8-1	Old Lyme	24.7	0.1	20
44	New Haven	24.4	0.1	21
429-10	Bridgeport	23.8	0.1	22
78/68/1/	Clinton	23.1	0.1	23
017/022-0000	Old Saybrook	22.0	0.1	24
Millstone	Waterford	21.6	0.1	25
7770	Stonington	21.0	0.1	26
179/003	Westbrook	20.6	0.1	27
5-86-1-0	Norwalk	20.1	0.1	28
Total		1,742.4	10.1	

Appendix – Map Book

Please consult the Salt Marsh Advancement Zone Resource Disc for Connecticut's complete dataset of suitable and unsuitable advancement per parcel.

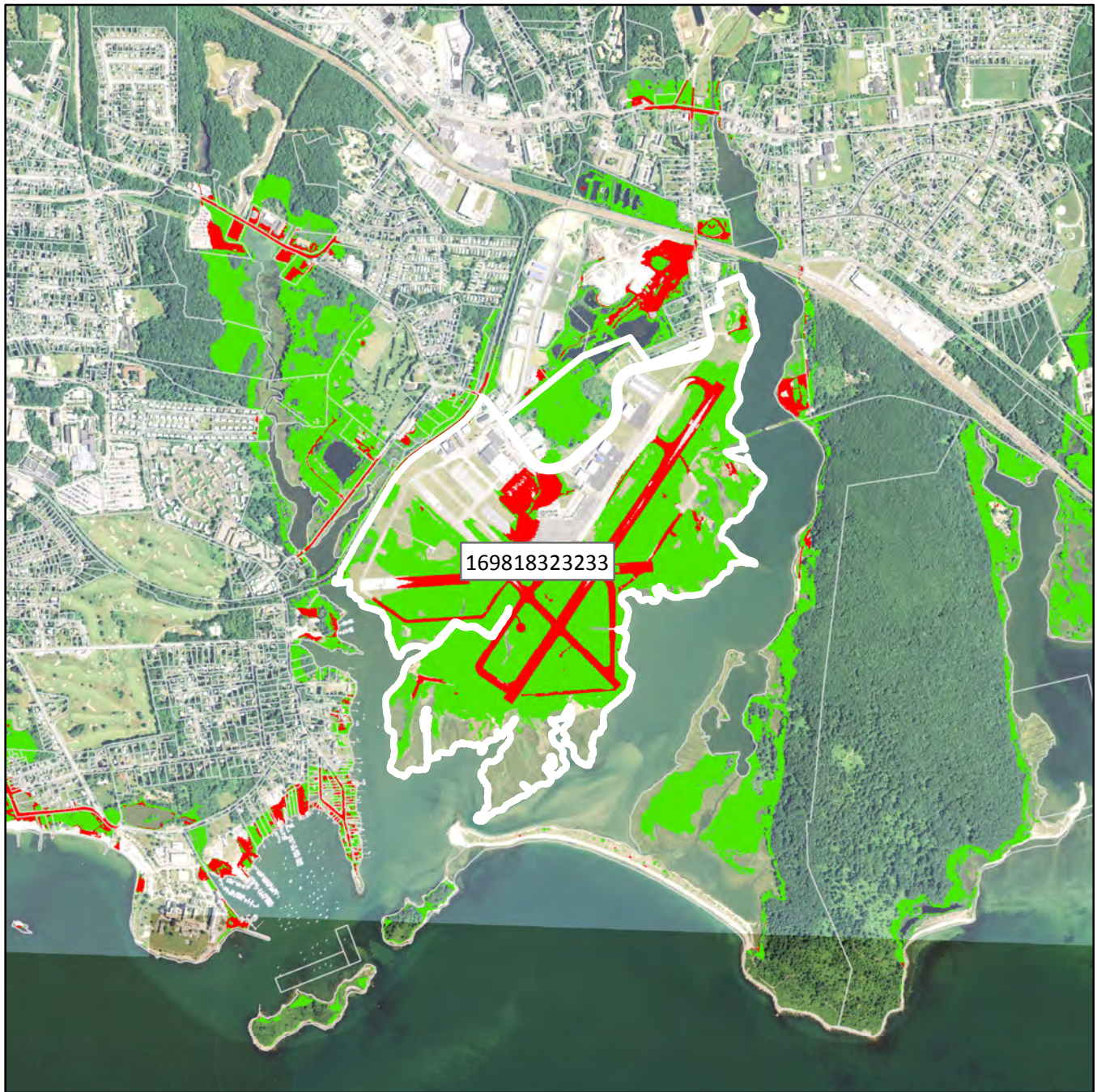
Map Book
of
Connecticut's Critical Unprotected Parcels



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Parcel ID – Property Description	Page #
Parcel 169818323233 - Groton New London Airport, Groton, CT	3
Parcel 4003010001 – Sikorsky Memorial Airport, Stratford, CT	4
Parcel N9002000 – Portion of Tweed New Haven Airport, East Haven, CT	5
Parcel 3287 – Privately owned residential property, Stonington, CT	6
Parcel 815 – Portion of Tweed New Haven Airport, New Haven, CT	7
Parcel 5004030001 – Municipally owned property, Stratford, CT	8
Parcel Z9011120 – Municipally owned property, East Haven, CT	9
Parcel 4162 – Privately owned property, Stonington, CT	10
Parcel 1558 – Privately owned residential property, Stonington, CT	11
Parcel 9-21 – Privately owned property, Old Lyme, CT	12
Parcel 3004020002 - Privately owned industrial property, Stratford, CT	13
Parcel 169814338859 – State owned property, Groton, CT	14
Parcel 18-7 – Privately owned residential property, Old Lyme, CT	15
Parcel 7405 – Privately owned residential property, Branford, CT	16
Parcel 18-12 – Privately owned residential property, Old Lyme, CT	17
Parcel 4434 – Privately owned residential property, Stonington, CT	18
Parcel 84/59/20/ - Clinton Country Club, Clinton CT	19
Parcel 8 -1 – Black Hall Golf Club, Old Lyme, CT	20
Parcel 44 – Portion of Tweed New Haven Airport, New Haven, CT	21
Parcel 429-10 –Seaside Village, Bridgeport, CT	22
Parcel 78/68/1 – Privately owned property, Clinton, CT	23
Parcel 017/022-0000 – Privately owned residential property, Old Saybrook, CT	24
Parcel Millstone – Millstone Power Plant, Waterford, CT	25
Parcel 7770 – Privately owned commercial property, Stonington, CT	26
Parcel 179/003 – Privately owned industrial property, Westbrook, CT	27
Parcel 5-68-1-0 – Privately owned industrial property, Norwalk, CT	28

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0 1,000 2,000 4,000 Feet

Connecticut Critical Parcels

Groton - Parcel 169818323233

Please see "A Salt Marsh Advancement Zone Assessment of Groton, CT" for more details.

Parcels

Unprotected Non-OS

Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





0 1,000 2,000 4,000 Feet

Connecticut Critical Parcels

Stratford - Parcel 4003010001

Please see "A Salt Marsh Advancement Zone Assessment of Stratford, CT" for more details.

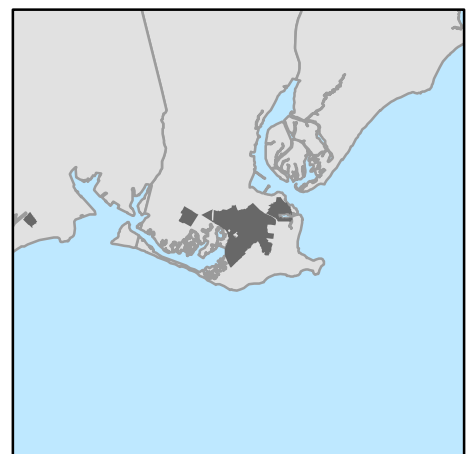
Parcels

Unprotected Non-OS

Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





0 2,000 4,000 Feet

Connecticut Critical Parcels

East Haven - Parcel N9002000

Please see "A Salt Marsh Advancement Zone Assessment of East Haven, CT" for more details.

Parcels

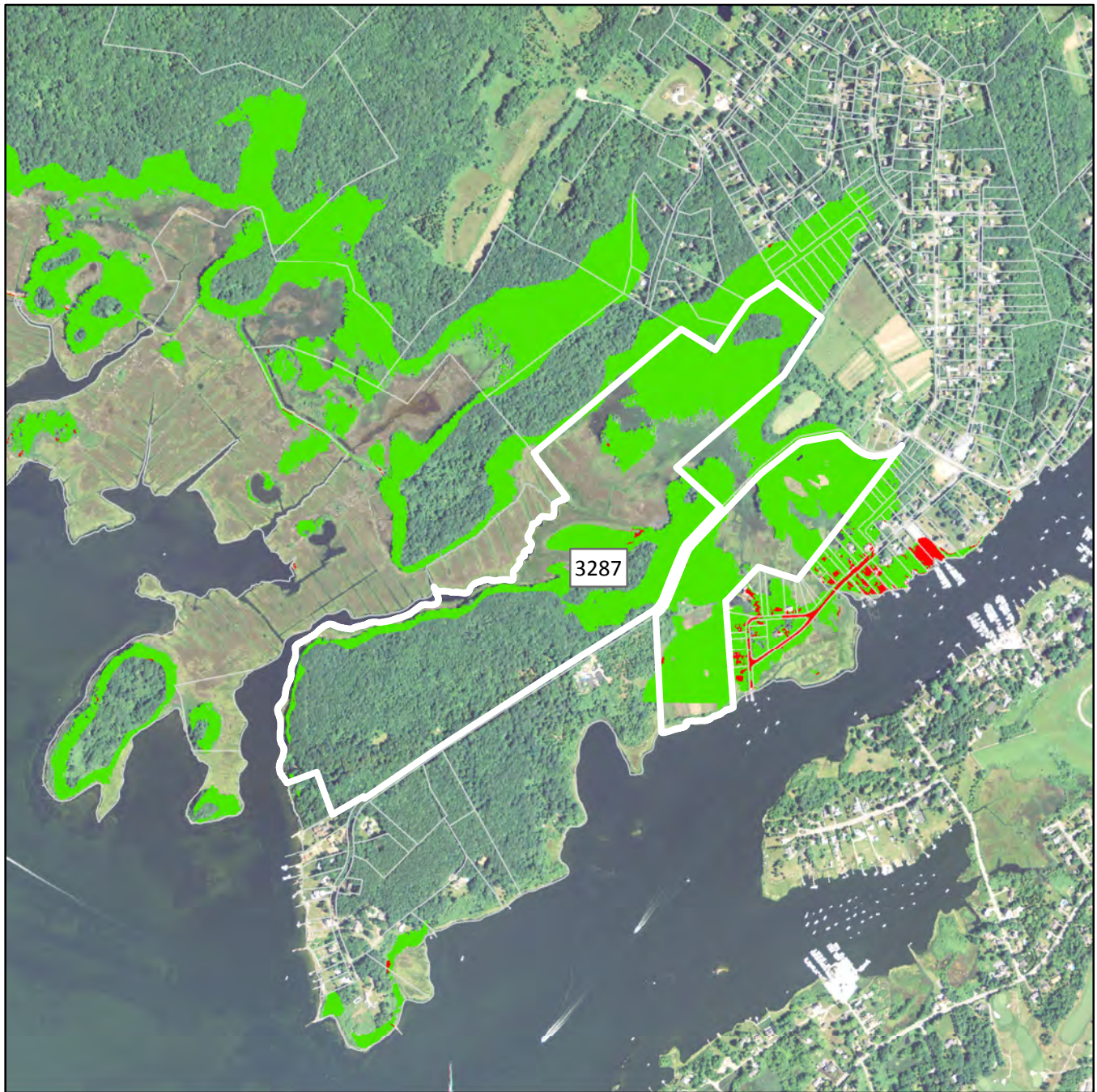
Unprotected Non-OS

Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover



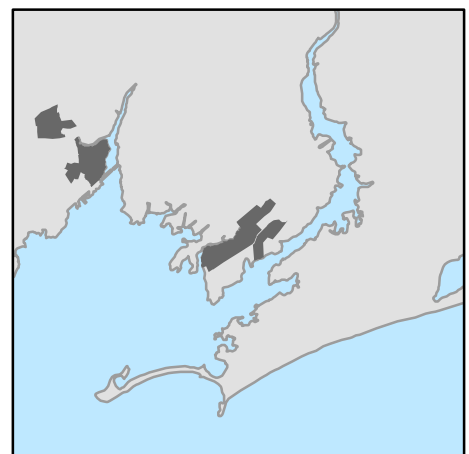


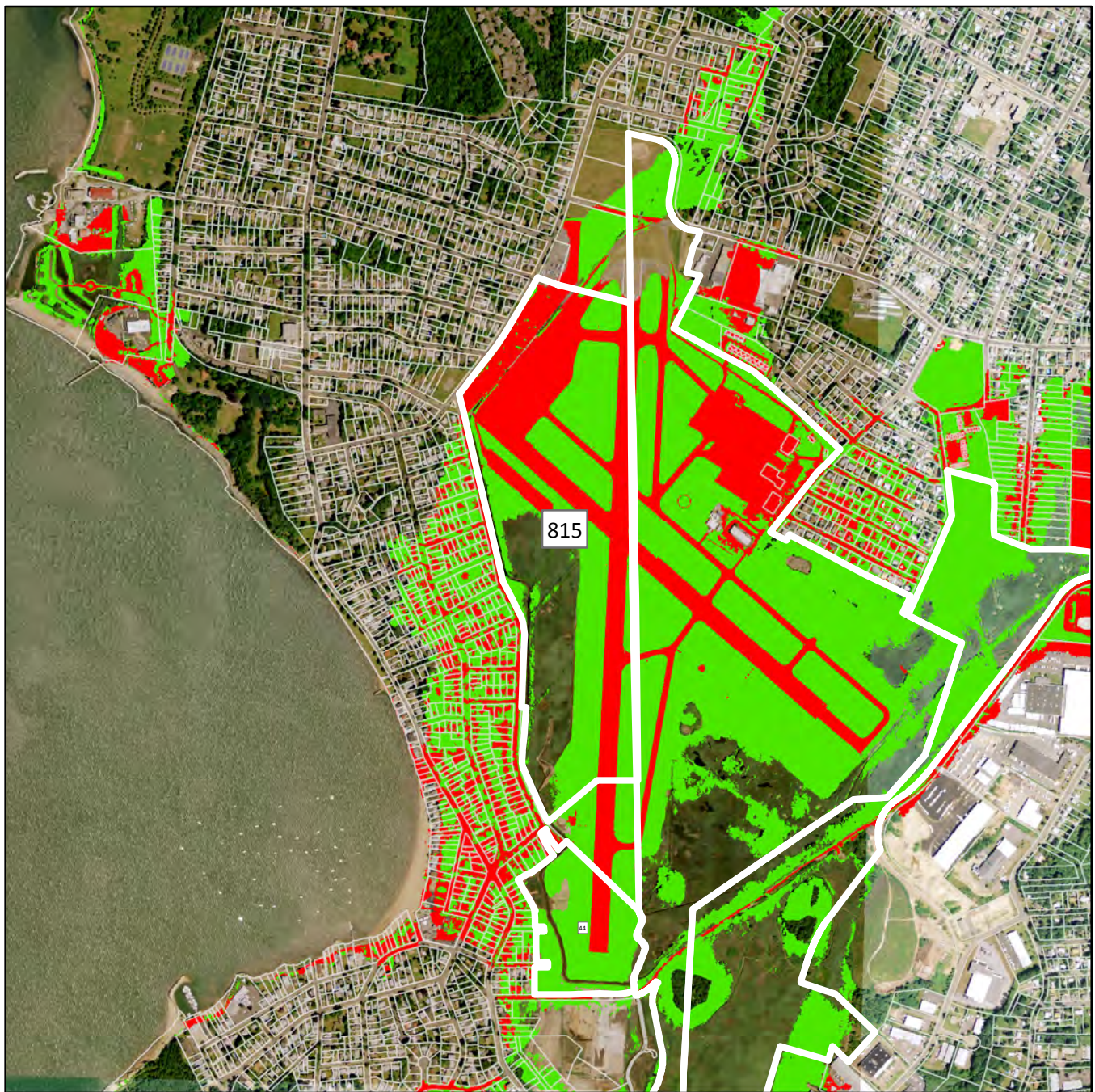
0 500 1,000 2,000 Feet

Connecticut Critical Parcels

Stonington - Parcel 3287

Please see "A Salt Marsh Advancement Zone Assessment of Stonington, CT" for more details.





0 500 1,000 2,000 Feet

Connecticut Critical Parcels

New Haven - Parcel 815

Please see "A Salt Marsh Advancement Zone Assessment of New Haven, CT" for more details.

Parcels

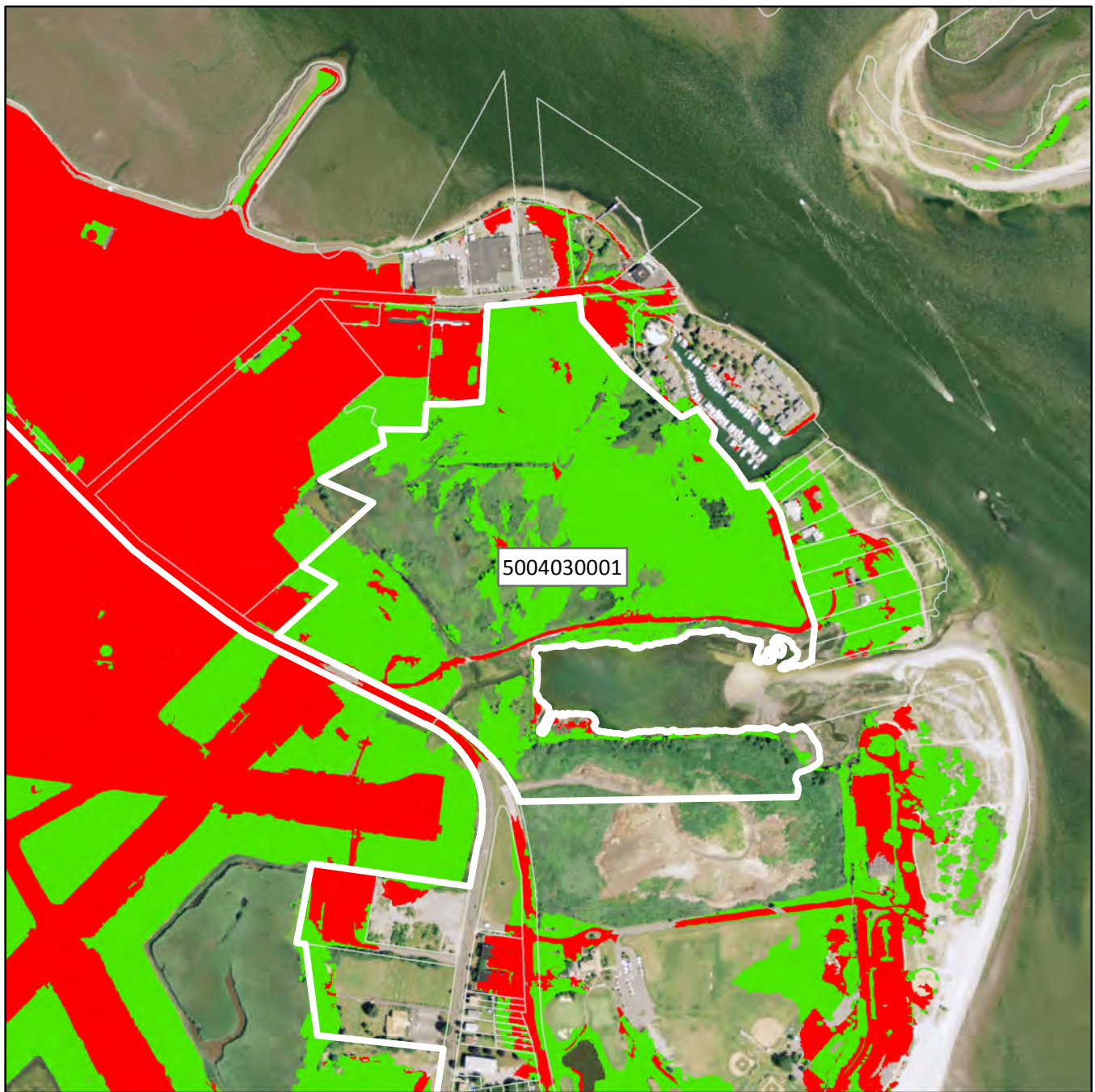
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Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





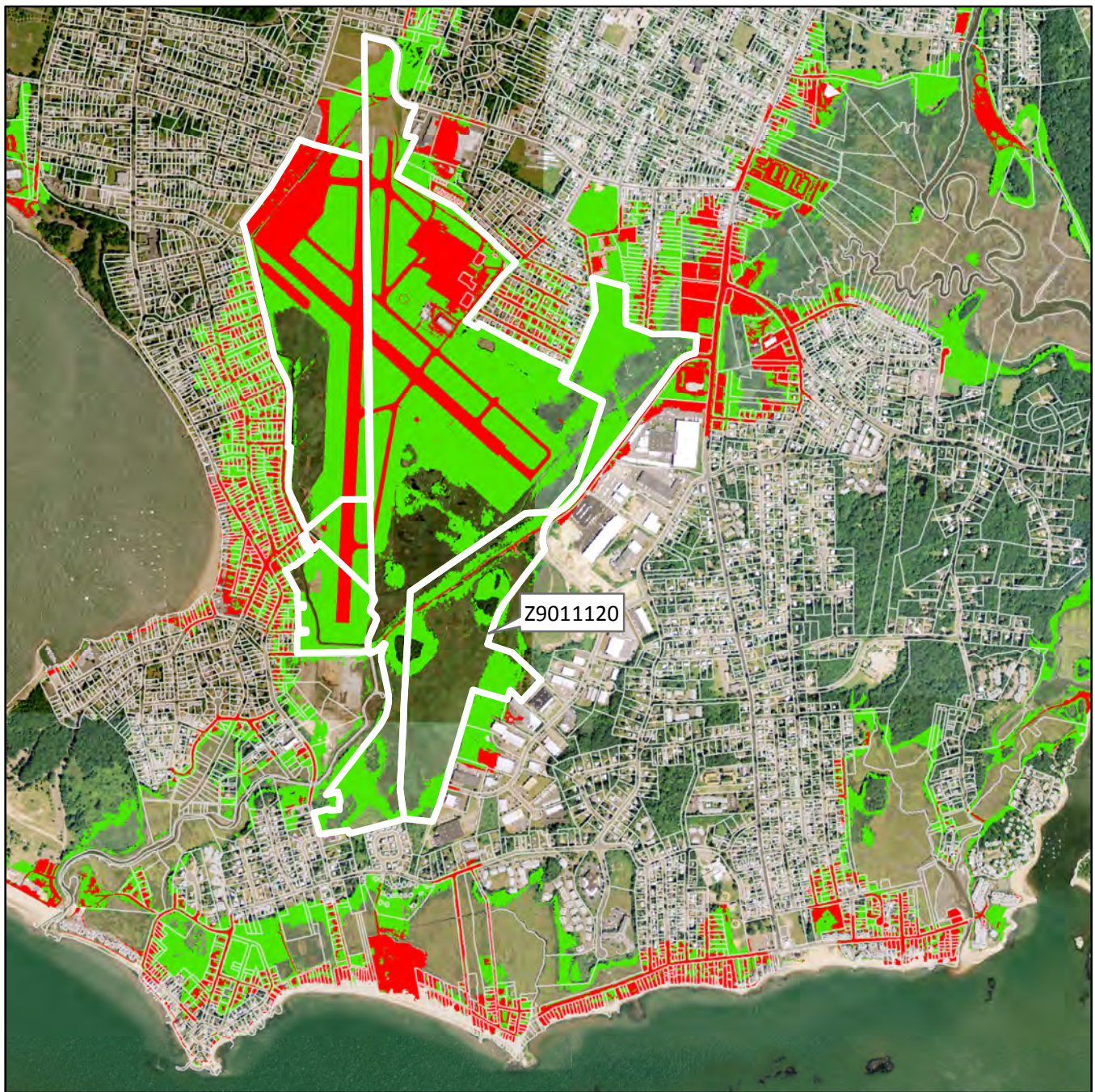
0 500 1,000 Feet

Connecticut Critical Parcels

Stratford - Parcel 5004030001

Please see "A Salt Marsh Advancement Zone Assessment of Stratford, CT" for more details.





0 500 1,000 2,000 3,000 Feet

Connecticut Critical Parcels

East Haven - Parcel Z9011120

Please see "A Salt Marsh Advancement Zone Assessment of East Haven, CT" for more details.

Parcels

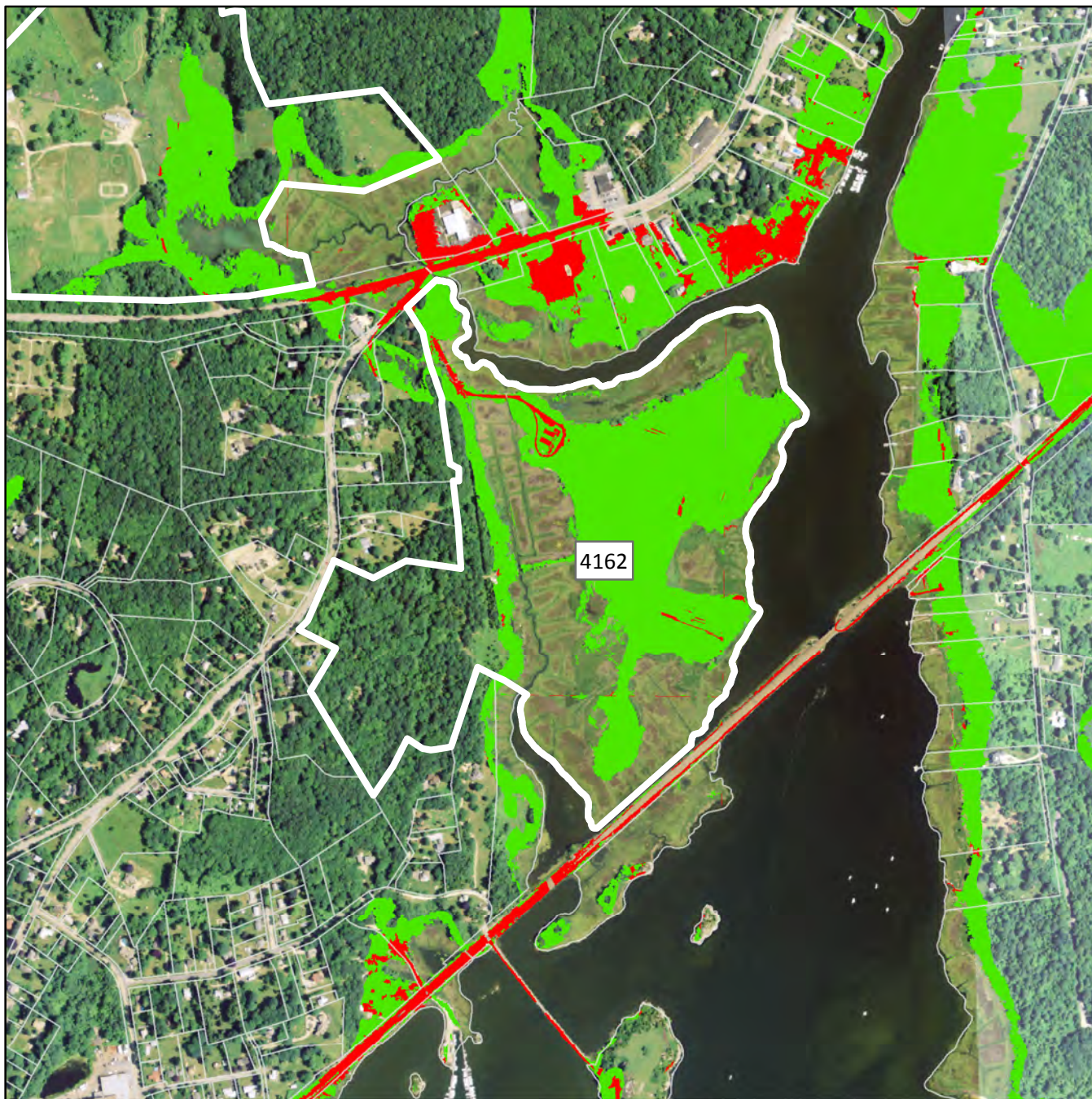
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Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover



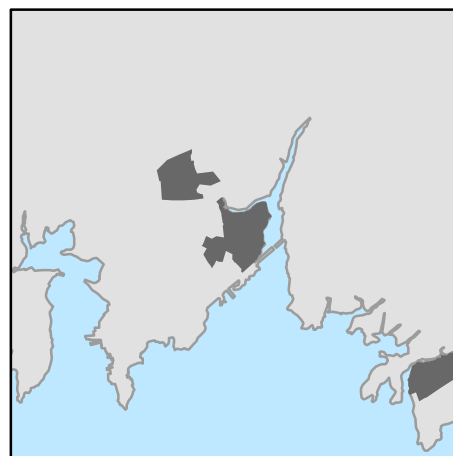


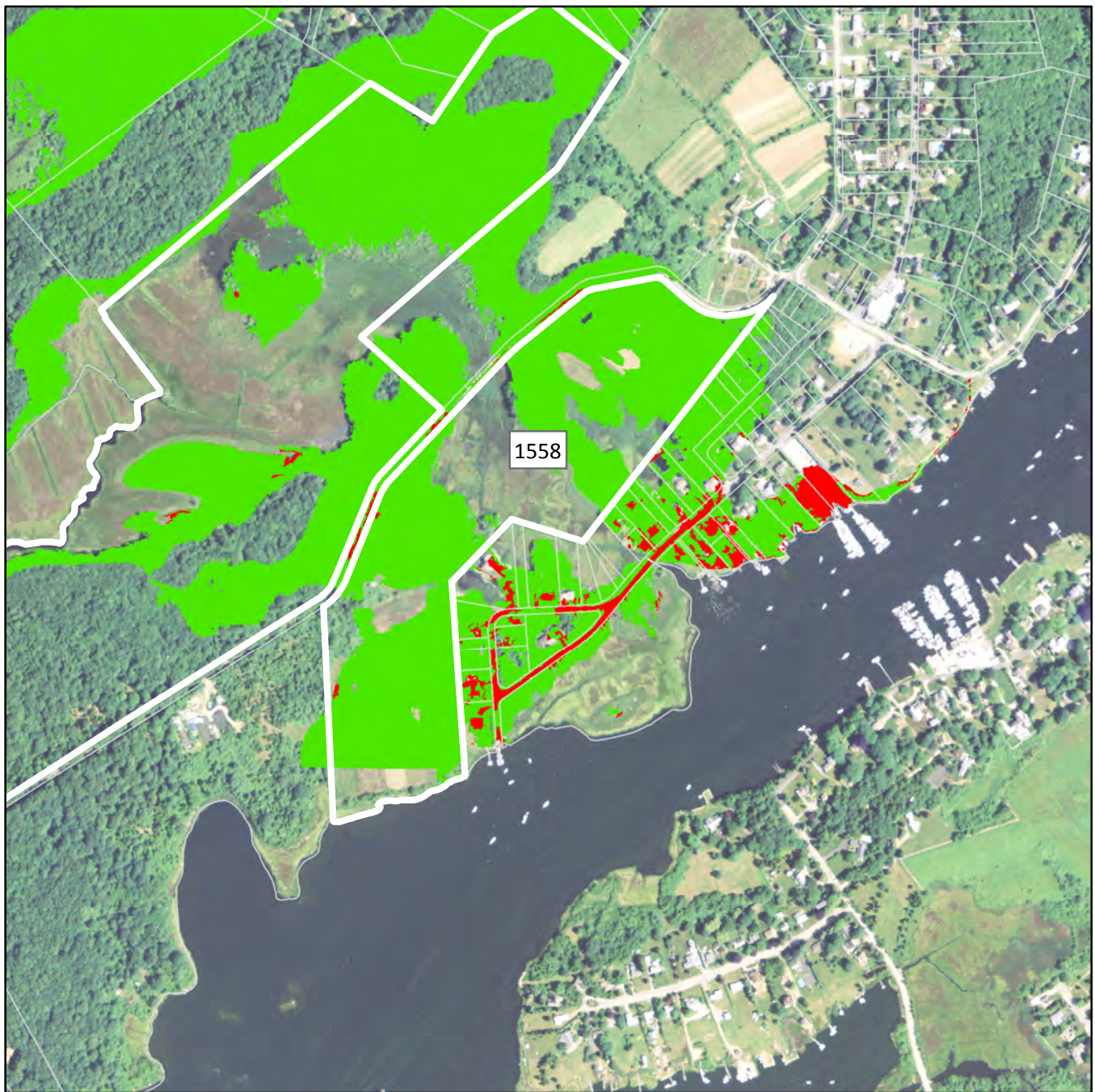
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Connecticut Critical Parcels

Stonington - Parcel 4162

Please see "A Salt Marsh Advancement Zone Assessment of Stonington, CT" for more details.



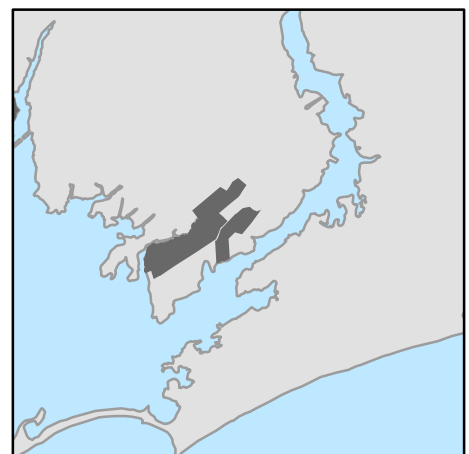


0 500 1,000 Feet

Connecticut Critical Parcels

Stonington - Parcel 1558

Please see "A Salt Marsh Advancement Zone Assessment of Stonington, CT" for more details.





0 500 1,000 2,000 Feet

Connecticut Critical Parcels

Old Lyme - Parcel 9-21

Please see "A Salt Marsh Advancement Zone Assessment of Old Lyme, CT" for more details.

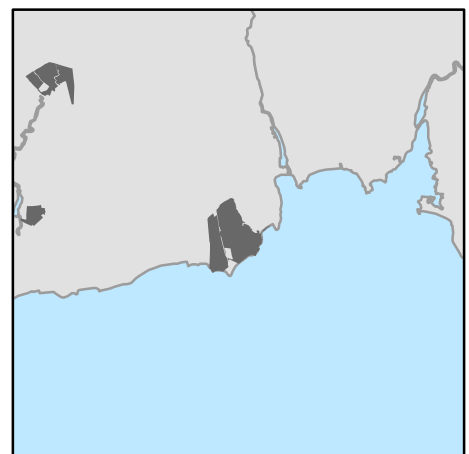
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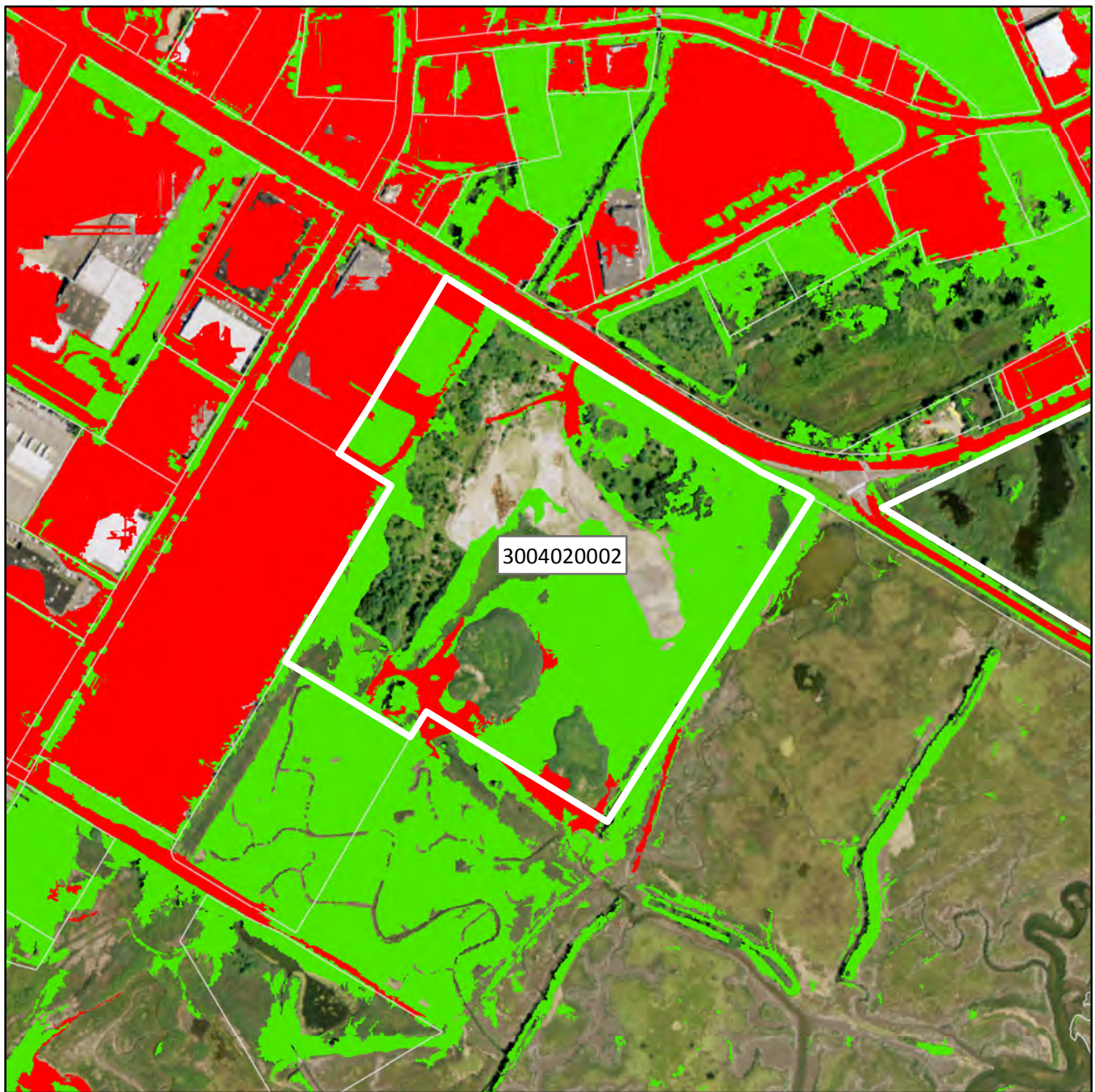
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Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover



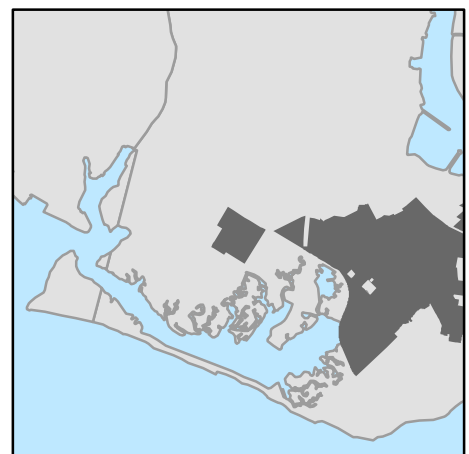


0 500 1,000 Feet

Connecticut Critical Parcels

Stratford - Parcel 3004020002

Please see "A Salt Marsh Advancement Zone Assessment of Stratford, CT" for more details.





0 500 1,000 Feet

Connecticut Critical Parcels

Groton - Parcel 169814338859

Please see "A Salt Marsh Advancement Zone Assessment of Groton, CT" for more details.

Parcels

Unprotected Non-OS

Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





0 500 1,000 Feet

Connecticut Critical Parcels

Old Lyme - Parcel 18-7

Please see "A Salt Marsh Advancement Zone Assessment of Old Lyme, CT" for more details.

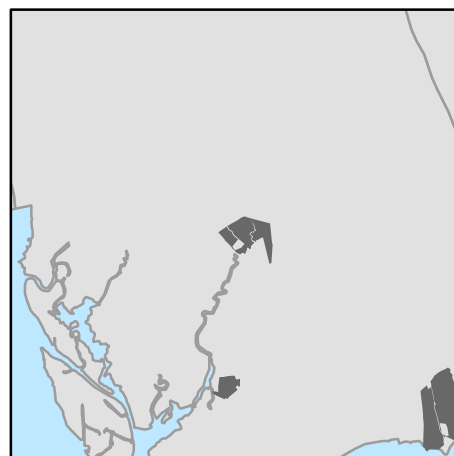
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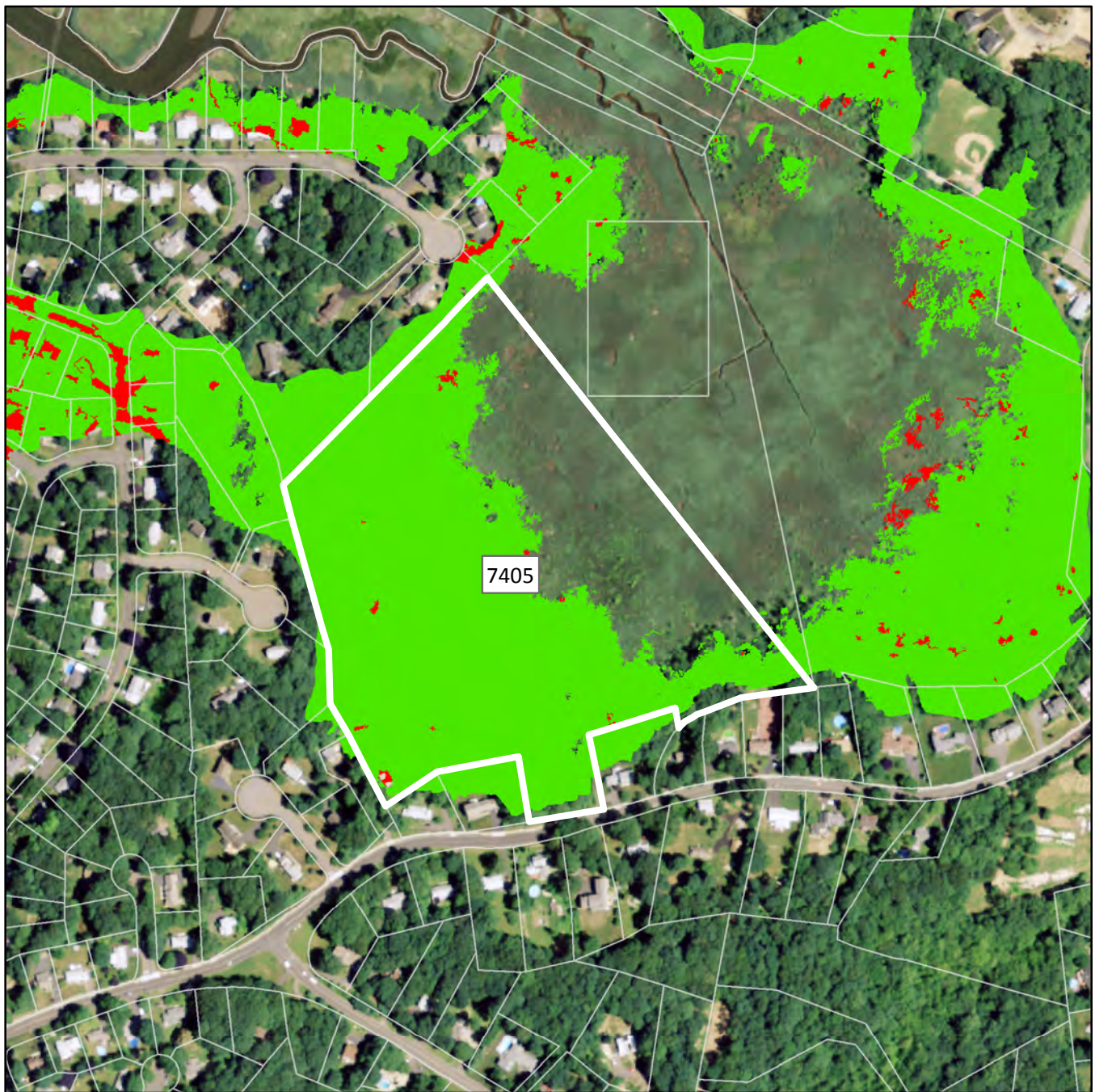
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Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





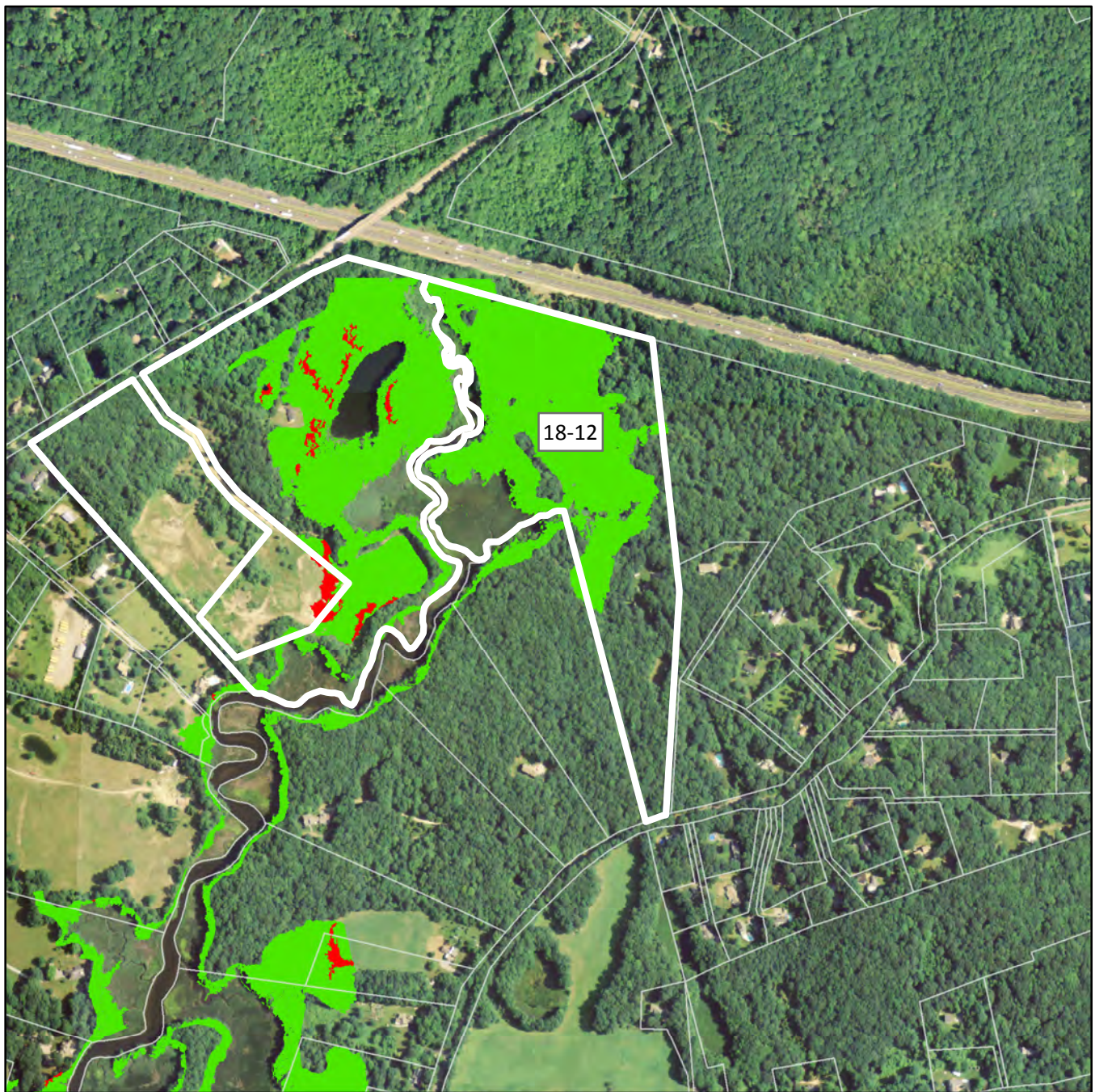
0 250 500 Feet

Connecticut Critical Parcels

Branford - Parcel 7405

Please see "A Salt Marsh Advancement Zone Assessment of Branford, CT" for more details.





0 500 1,000 Feet

Connecticut Critical Parcels

Old Lyme - Parcel 18-12

Please see "A Salt Marsh Advancement Zone Assessment of Old Lyme, CT" for more details.

Parcels

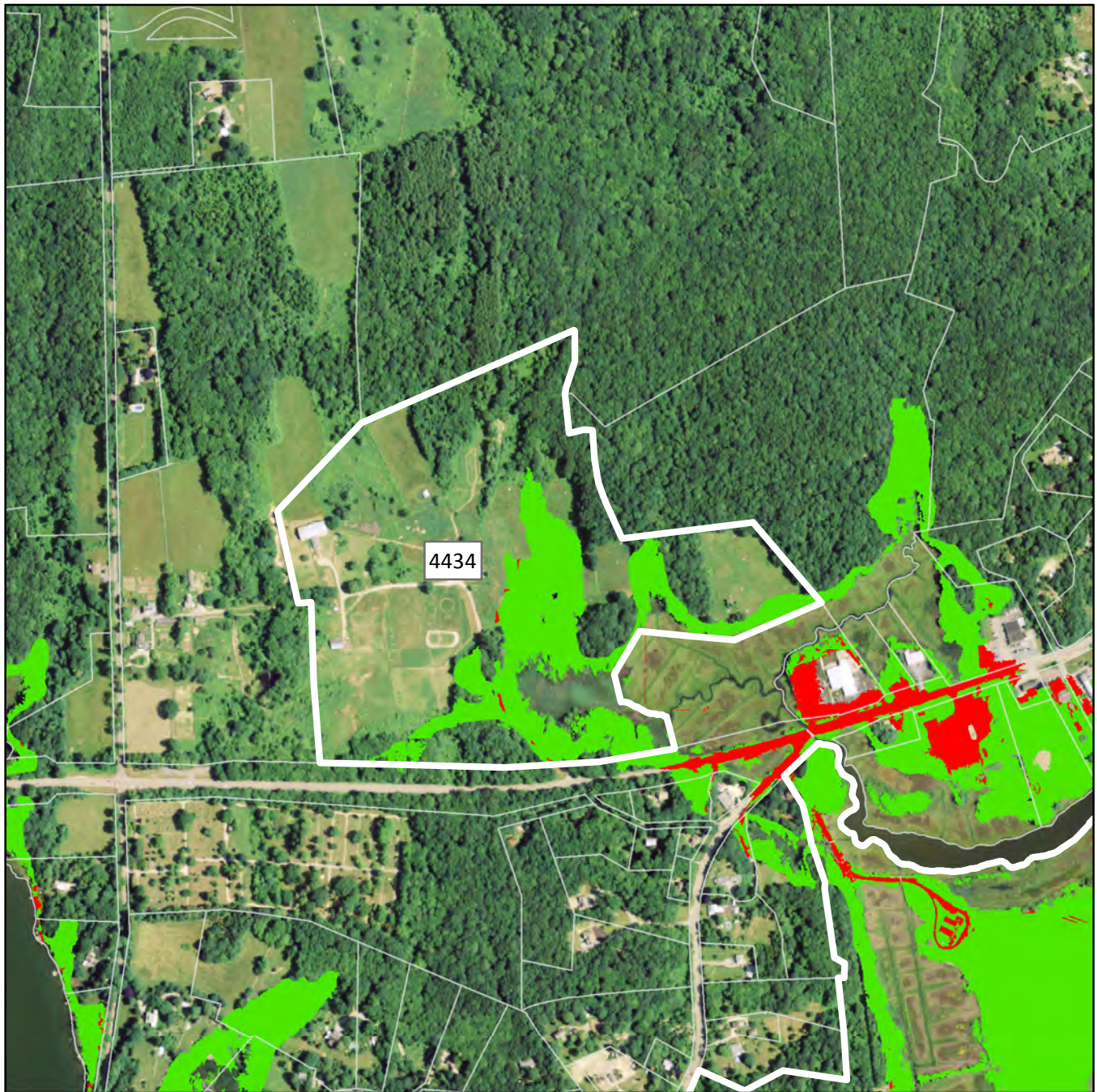
Unprotected Non-OS

Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





0 500 1,000 Feet

Connecticut Critical Parcels

Stonington - Parcel 4434

Please see "A Salt Marsh Advancement Zone Assessment of Stonington, CT" for more details.

Parcels

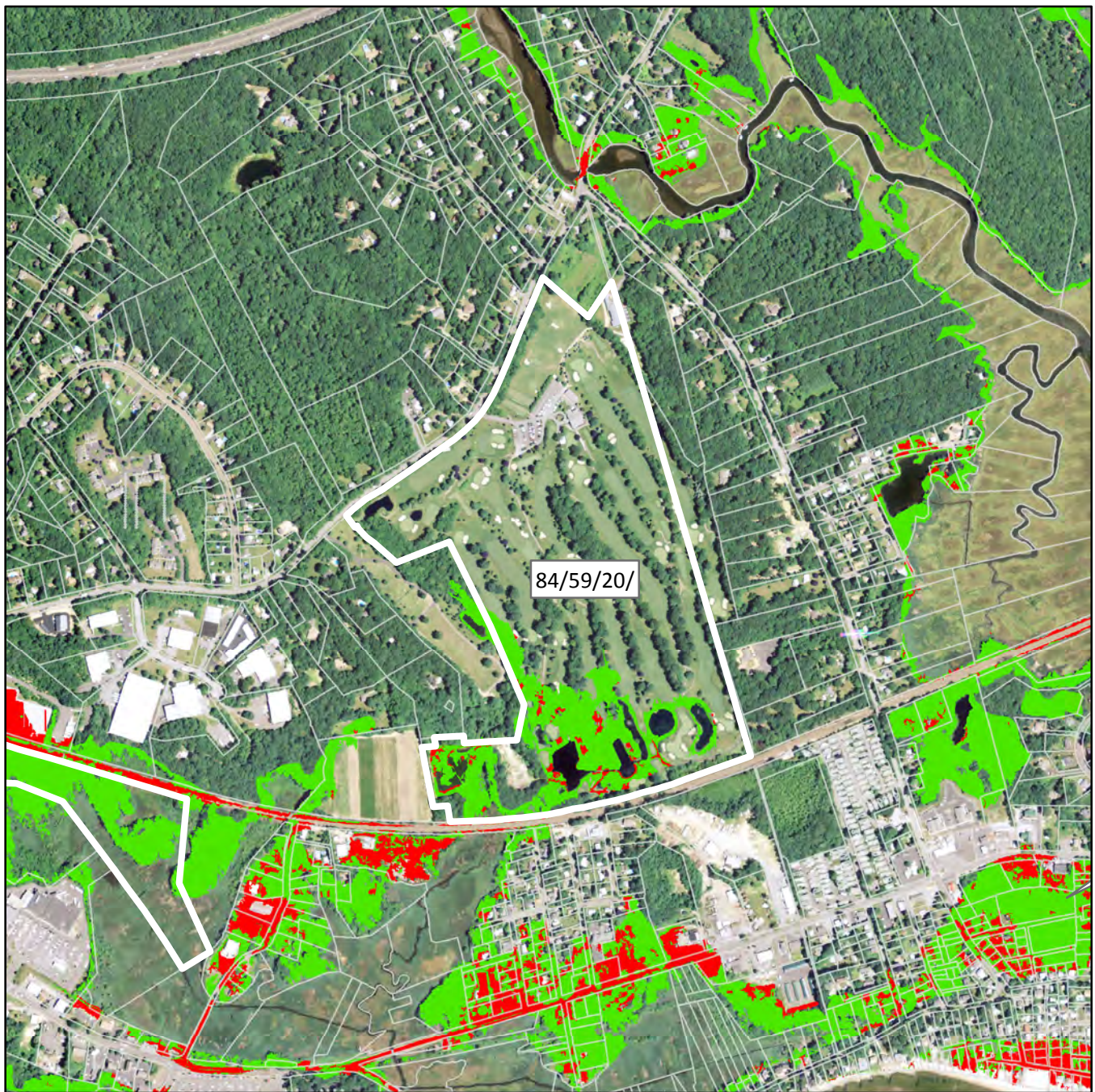
Unprotected Non-OS

Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





0 500 1,000 2,000 Feet

Connecticut Critical Parcels

Clinton - Parcel 84/59/20/

Please see "A Salt Marsh Advancement Zone Assessment of Clinton, CT" for more details.

Parcels

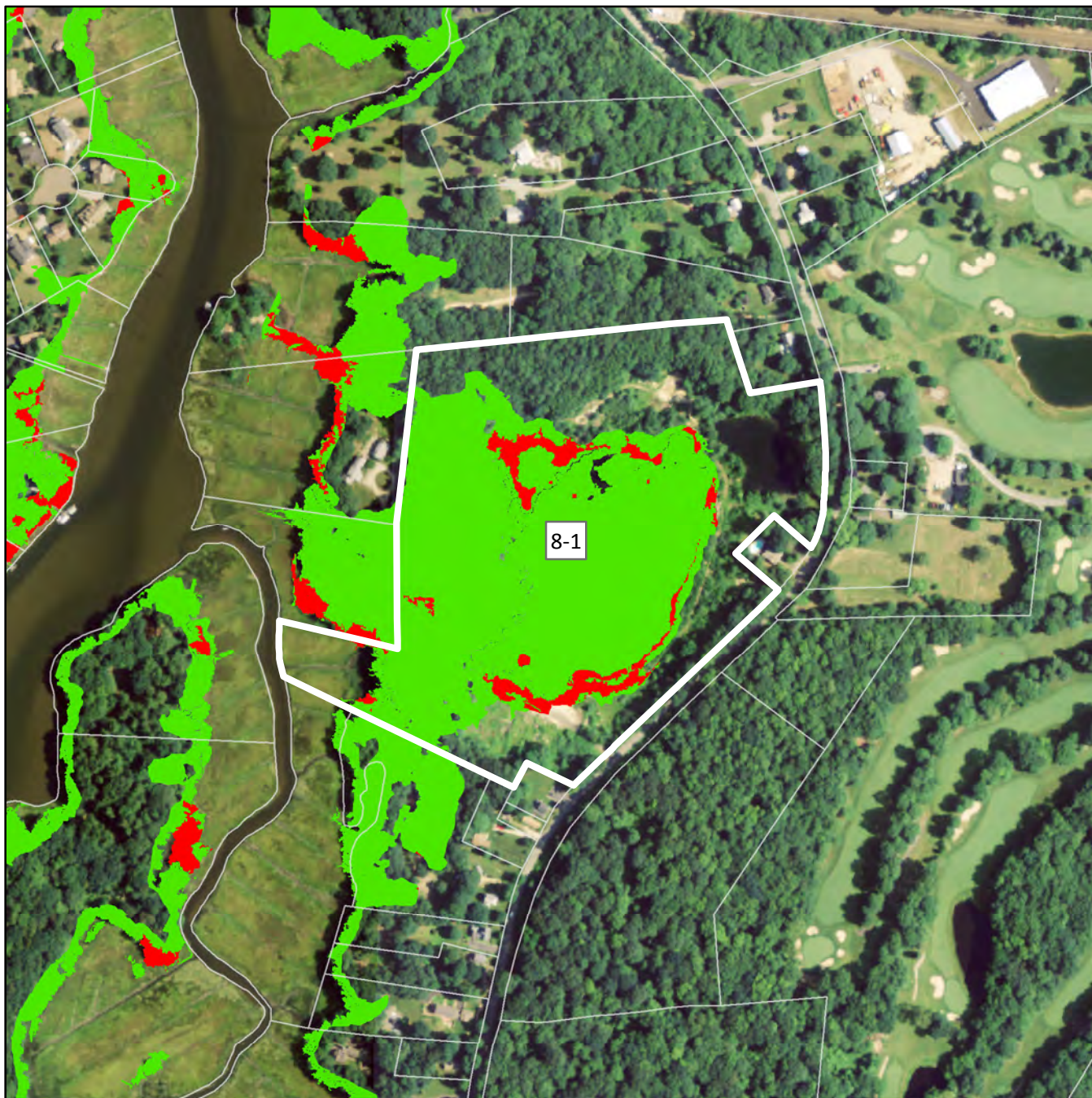
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Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





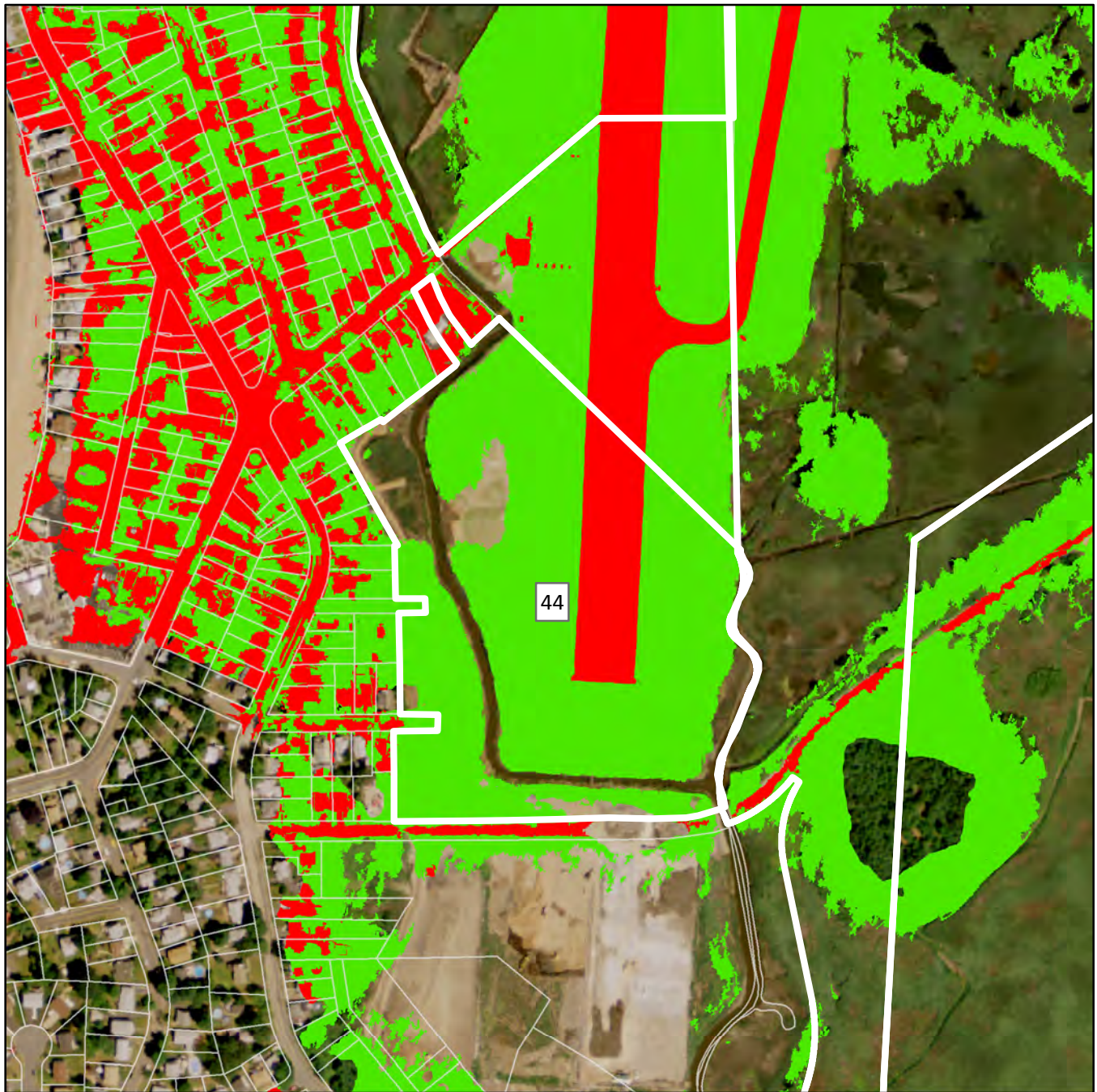
0 250 500 Feet

Connecticut Critical Parcels

Old Lyme - Parcel 8-1

Please see "A Salt Marsh Advancement Zone Assessment of Old Lyme, CT" for more details.



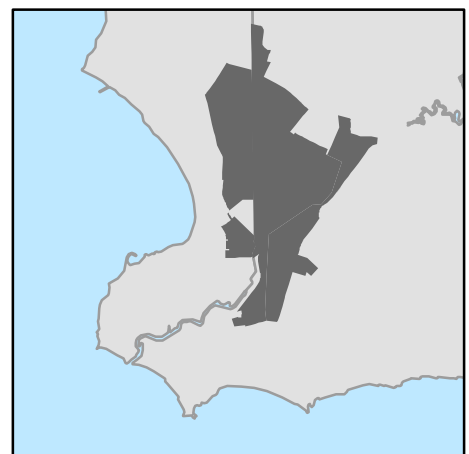


0 250 500 Feet

Connecticut Critical Parcels

New Haven - Parcel 44

Please see "A Salt Marsh Advancement Zone Assessment of New Haven, CT" for more details.





0 250 500 Feet

Connecticut Critical Parcels

Bridgeport - Parcel 429-10

Please see "A Salt Marsh Advancement Zone Assessment of Bridgeport, CT" for more details.

Parcels

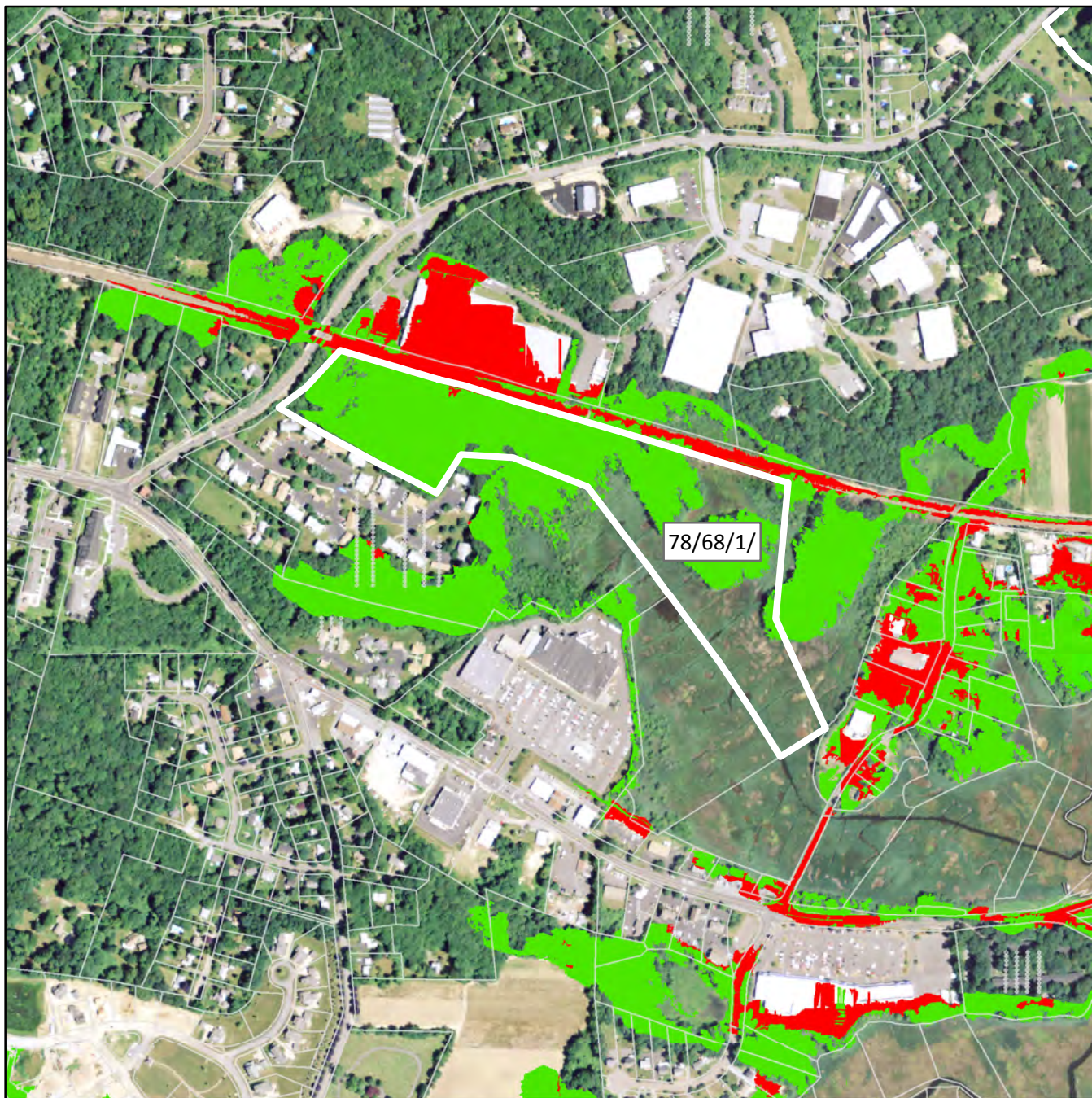
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Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





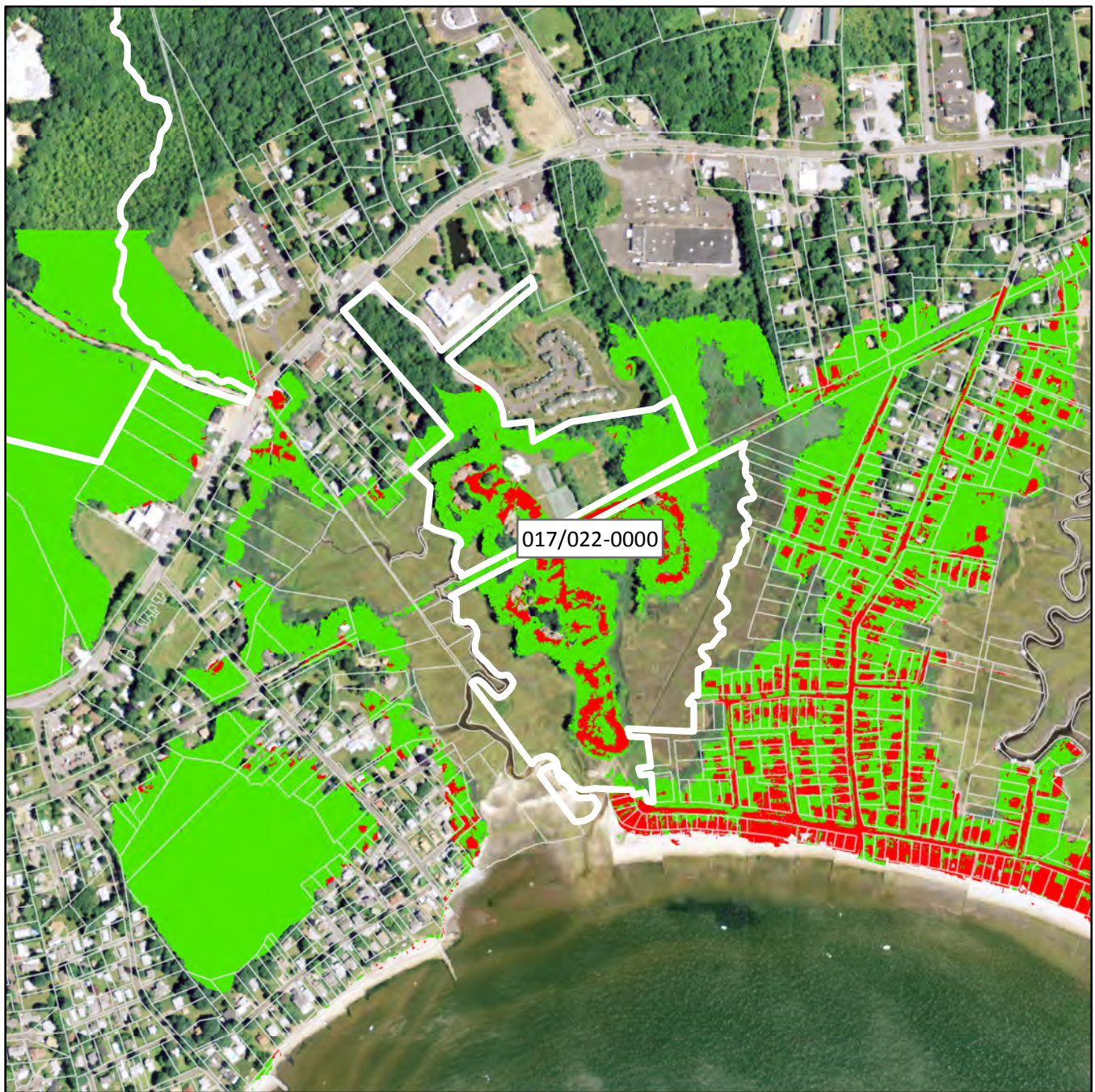
0 500 1,000 Feet

Connecticut Critical Parcels

Clinton - Parcel 78/68/1/

Please see "A Salt Marsh Advancement Zone Assessment of Clinton, CT" for more details.





0 500 1,000 Feet

Connecticut Critical Parcels

Old Saybrook - Parcel 017/022-0000

Please see "A Salt Marsh Advancement Zone Assessment of Old Saybrook, CT" for more details.

Parcels

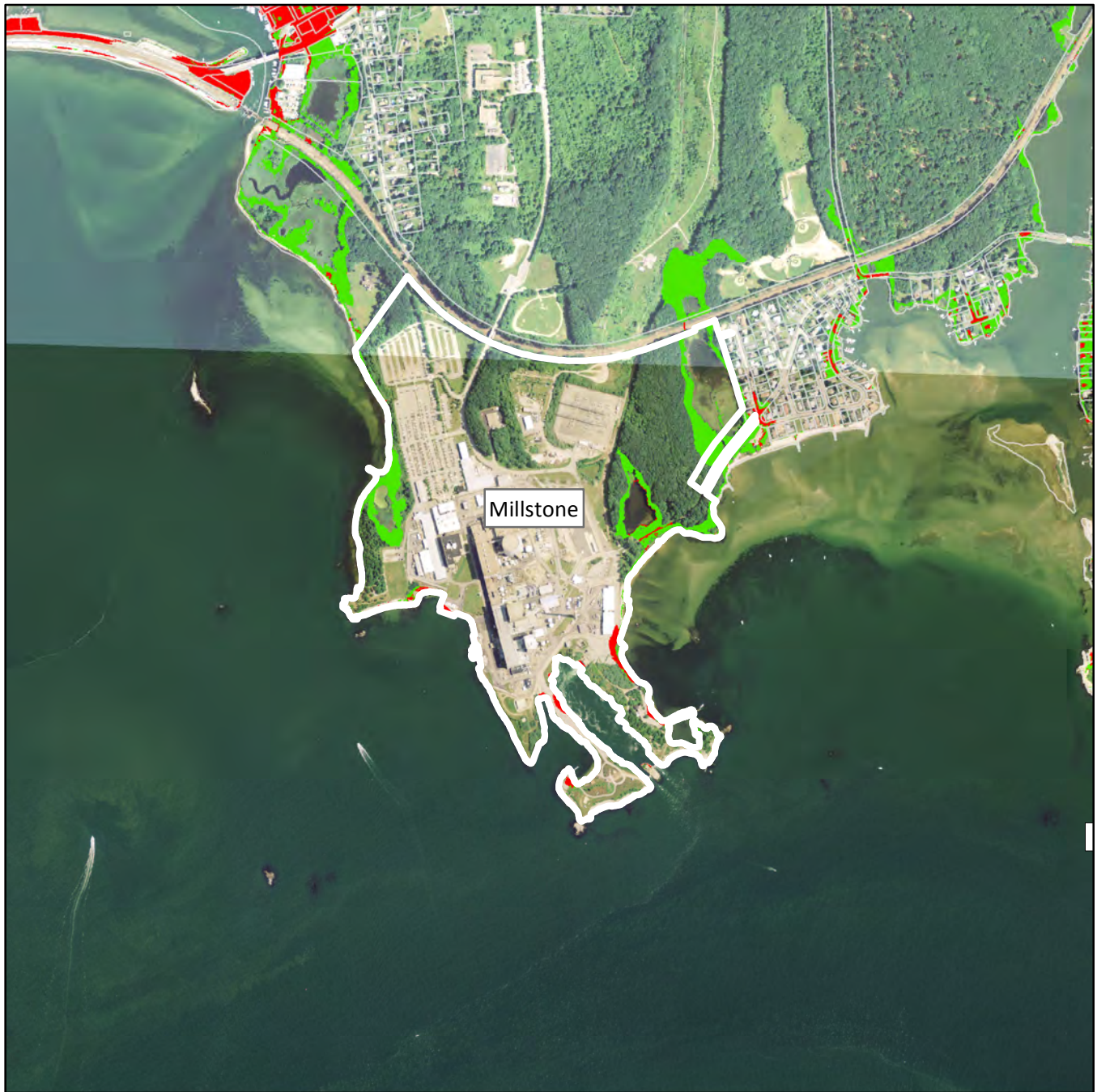
Unprotected Non-OS

Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





0 500 1,000 2,000 3,000 Feet

Connecticut Critical Parcels

Waterford - Parcel Millstone

Please see "A Salt Marsh Advancement Zone Assessment of Waterford, CT" for more details.

Parcels

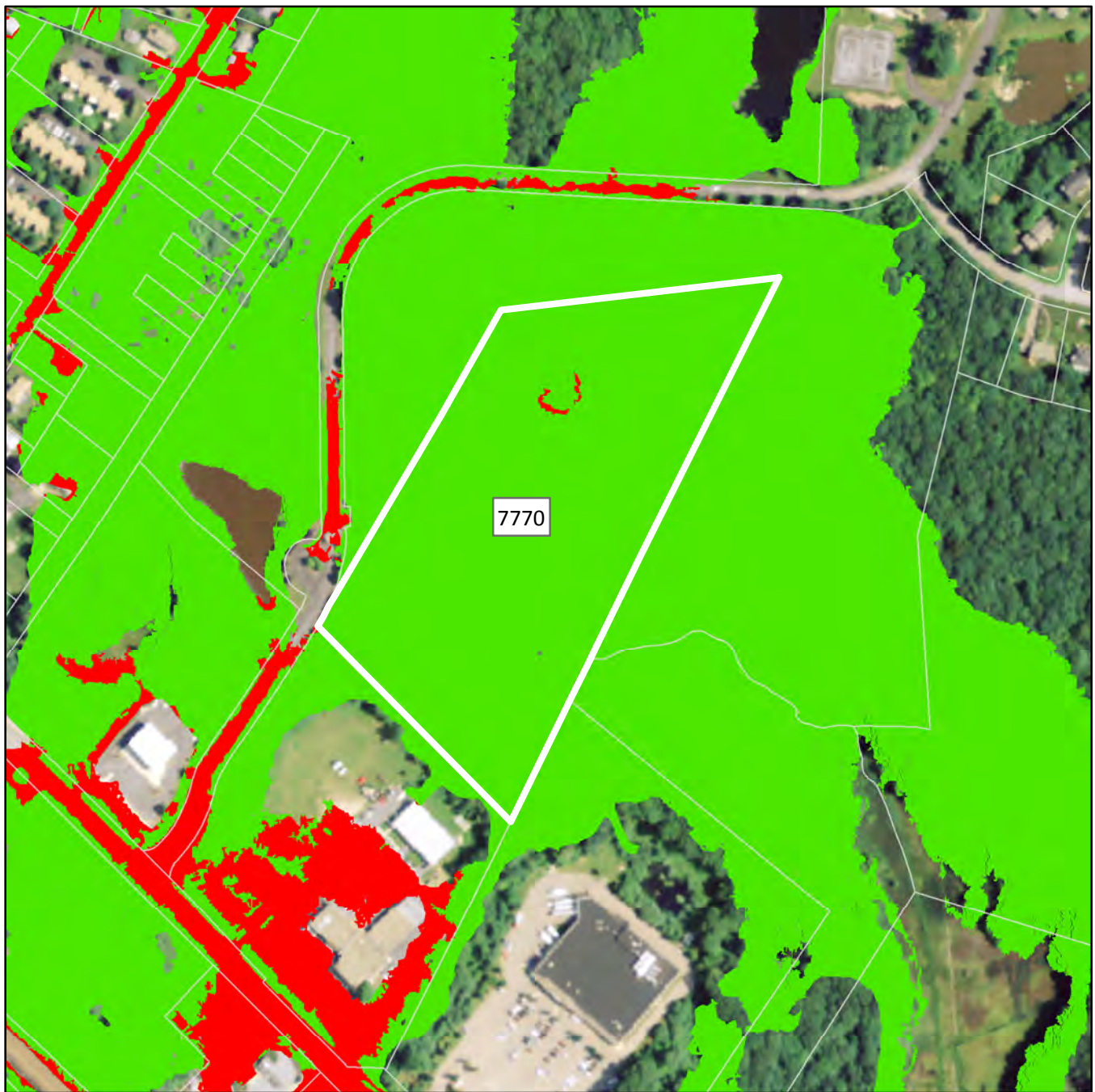
Unprotected Non-OS

Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover





0 250 500 Feet

Connecticut Critical Parcels

Stonington - Parcel 7770

Please see "A Salt Marsh Advancement Zone Assessment of Stonington, CT" for more details.

Parcels

Unprotected Non-OS

Marsh Advancement by 2080s

Developed Land Cover

Forest, Grass, Ag Land Cover



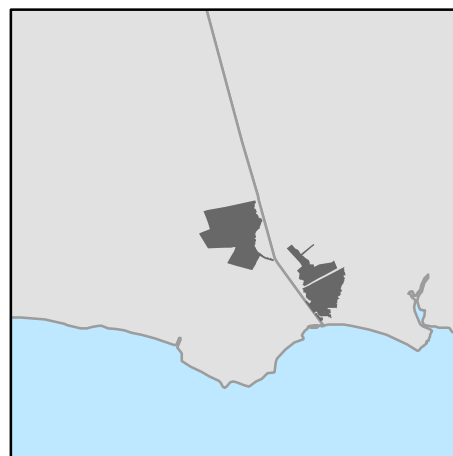


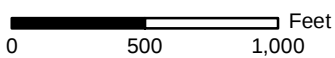
0 500 1,000 Feet

Connecticut Critical Parcels

Westbrook - Parcel 179/003

Please see "A Salt Marsh Advancement Zone Assessment of Westbrook, CT" for more details.





Connecticut Critical Parcels

Norwalk - Parcel 5-86-1-0

Please see "A Salt Marsh Advancement Zone Assessment of Norwalk, CT" for more details.

