

Updates to the Tompkins County Unique Natural Area Inventory

“Batch 2” – November 2014

UNAs include one or more of the following characteristics

- designated area or preserve
- state designated wetland
- contains diverse flora or fauna
- rare or scarce plant or animals
- historical botanical or zoological importance
- geological importance
- important teaching site (e.g. meadow with a diverse array of common plants all in one place)
- old growth woods
- important birding site
- quality of plant or animal community
- recreational value
- scenic vista
- wilderness
- archeological or paleontological site
- cultural or historical importance
- urban greenspace

Previous UNA boundary delineation methods

- Field assessments
- Expert knowledge
- Historical records
- Second- and third-generation photocopies of low-resolution aerial imagery from 1990 and earlier
- Hand- delineated with marker and then transferred manually to GIS
- Limited GIS data



Guidelines for boundary updates

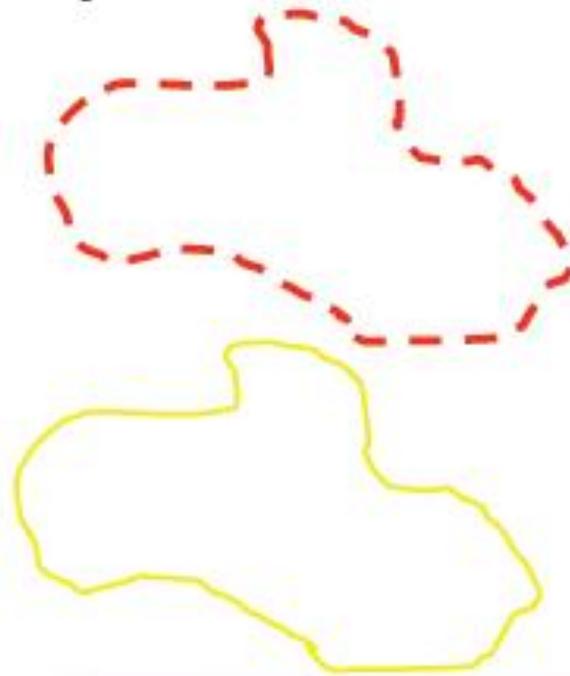
- Inclusion of National Wetlands Inventory
- Conform to edge of vegetation and/or land contours
- Inclusion of newly protected lands (e.g., nature preserves)
- Change in landcover since last field visit or aerial photo series (1995 or earlier, vs. 2012 imagery)

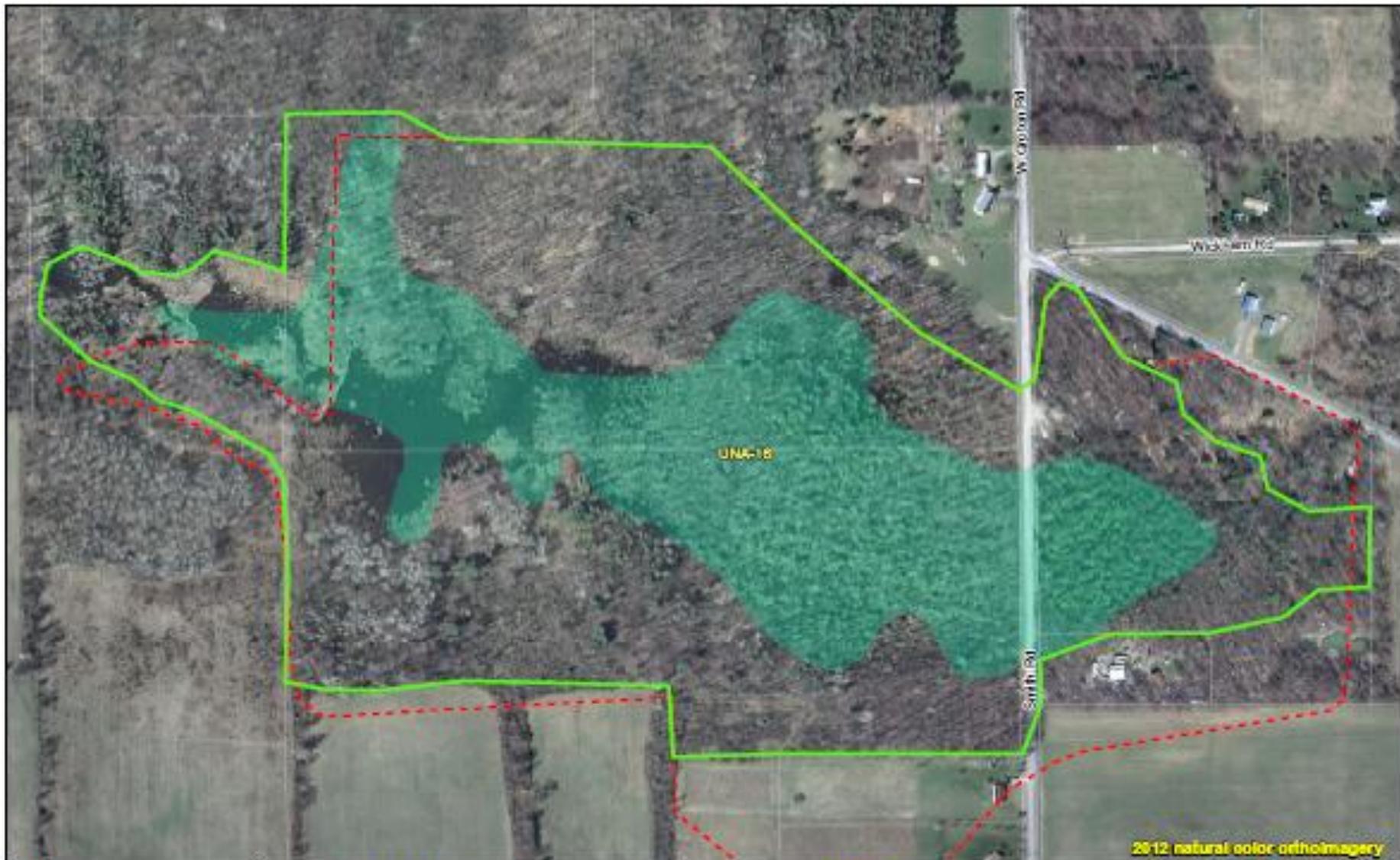
Total changes in new update

- Total acreage in revised set of UNAs = 11,525.76
- Total acreage in original set of UNAs = 12,111.03
- Total change in acreage in UNAs with “Batch 2” revision = +5.08%
- Addition of avian information for UNA sites, based on eBird dataset, 2000-2010
- Addition of herpefauna census, where available
- Addition of large mammal census data where available
- Updates of plan rarity statuses

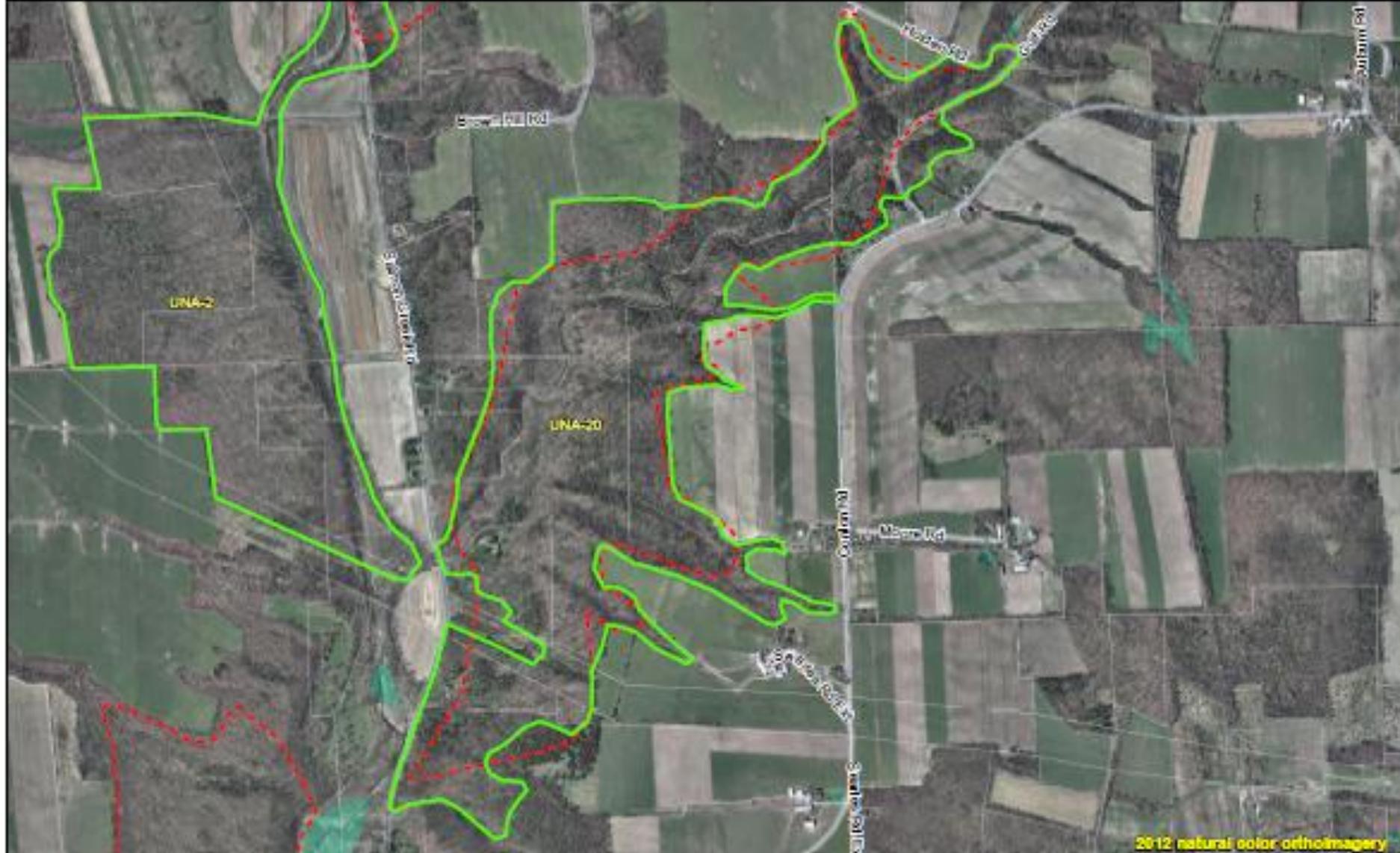
Key to maps

- Original UNA boundary
- Revised UNA boundary
- 2012 aerial orthoimagery





Name	Sanguisorba Swamp			
Code	UNA-16			
Original acres	103.19			
Revised acres	91.42			
Percent change	-11.41			
Reasons for changes	adjust to mature vegetation, parcel boundaries, follow some contours, exclude developed land			

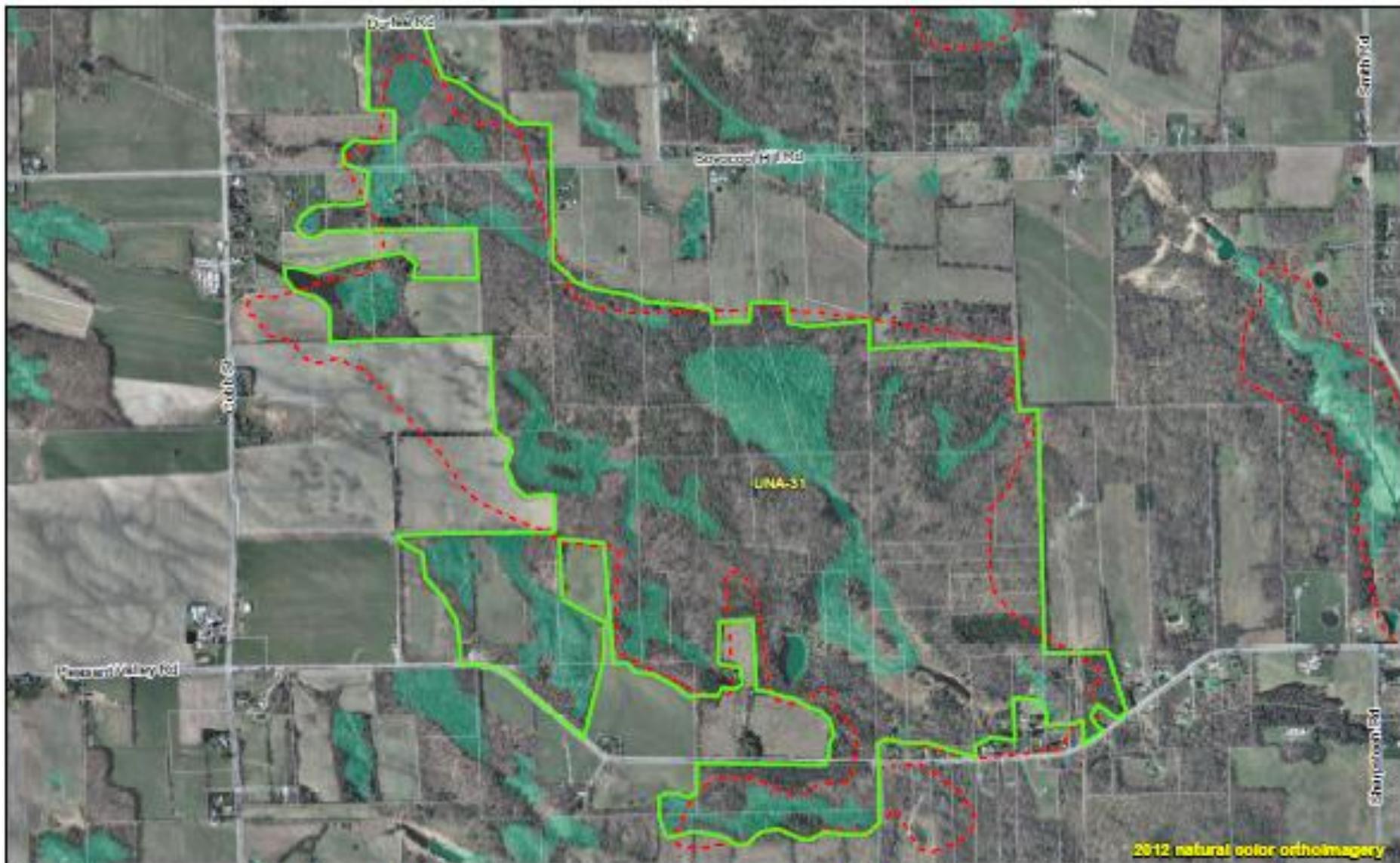


Name	Locke Creek Gulf
Code	UNA-20
Original acres	271.88
Revised acres	321.22
Percent change	18.15
Reasons for changes	edge of forest, mostly. some to road

-  Datch 2 revisions
-  Datch 1 revisions
-  UNA 2000 boundaries
-  Tompkins/Panola 2013
-  National Wetlands Inventory



2012 natural color orthoimagery

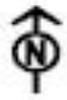


2012 natural color orthomagey

Name
Code
Original acres
Revised acres
Percent change
Reasons for changes

Bear Swamp, Groton
UNA-31
650.97
685.51
5.31
follow forest edge, parcels

-  Batch 2 revisions
-  UNA 2000 boundaries
-  National Wetlands Inventory
-  Tompkins Parcels 2013

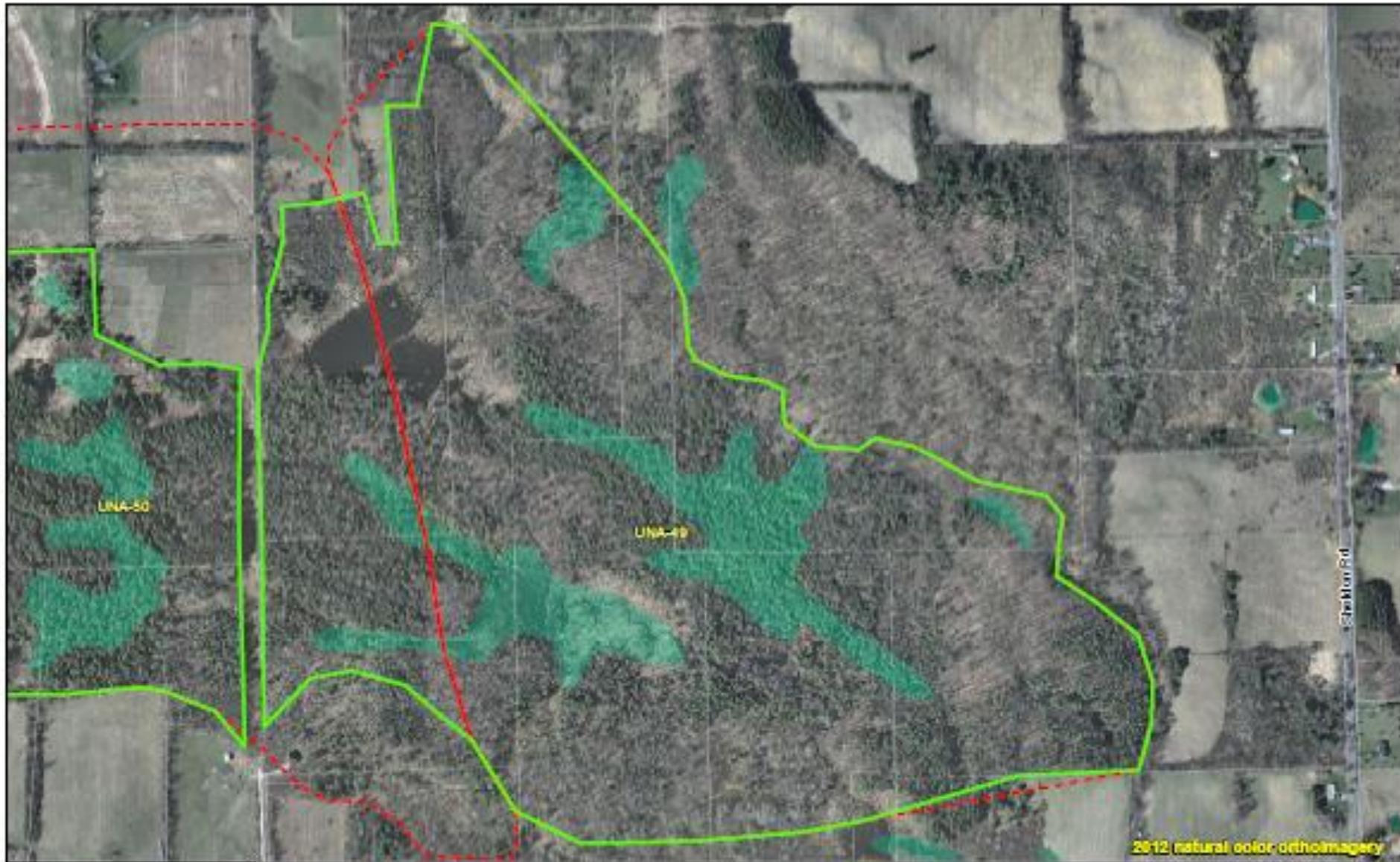




2012 natural color orthoimagery

Name	Beaver Brook Springs
Code	UNA-42
Original acres	11.88
Revised acres	17.56
Percent change	47.81
Reasons for changes	adjust to vegetation, NWI, contours

<ul style="list-style-type: none"> Batch 2 revisions Batch 1 revisions UNA 2000 boundaries Tompkins Parcels 2013 National Wetlands Inventory
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<p>Name Code Original acres Revised acres Percent change Reasons for changes</p>	<p>Townley Swamp, East UNA-49 170.07 197.36 16.05 adjust to road, tax parcel, mature forest</p>	<ul style="list-style-type: none"> Datch 2 revisions Datch 1 revisions UNIA 2000 boundaries Tompkins/Parcels 2013 National Wetlands Inventory 	 
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Name
Code
Original acres
Revised acres
Percent change
Reasons for changes

Townley Swamp, West
UNA-50
261.94
196.49
-24.99
adjust to road, tax parcel, mature forest

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory





Name
Code
Original acres
Revised acres
Percent change
Reasons for changes

Smith Woods
UNA-57
 32.92
 33.38
 1.4
 follow forest edge

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory





Name
Code
Original acres
Revised acres
Percent change
Reasons for changes

Willow Creek Glen and Lake Slopes
UNA-61
272.5
273.58
0.4
remove house dev, follow forest edge, parcels where ambig.

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory





Name
Code
Original acres
Revised acres
Percent change
Reasons for changes

Maplewood Glen and Lake Slopes
UNA-62
 208.02
 204.13
 -1.87
 remove house dev, follow forest edge, parcels where ambig.

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory



2012 natural color orthoimagery



Lake Cliffs, McKinney's Point to Bolton Point
UNA-89

2012 natural color orthoimagery

Name	Esty's Glen
Code	UNA-90
Original acres	14.39
Revised acres	15.77
Percent change	9.59
Reasons for changes	follow forest edge, parcels

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory





2012 natural color orthoimagery

Name
Code
Original acres
Revised acres
Percent change
Reasons for changes

Glenwood Ravine and Lake Slopes
UNA-91
244.96
238.98
-2.44
remove house dev, follow forest edge, parcels where ambig.

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory

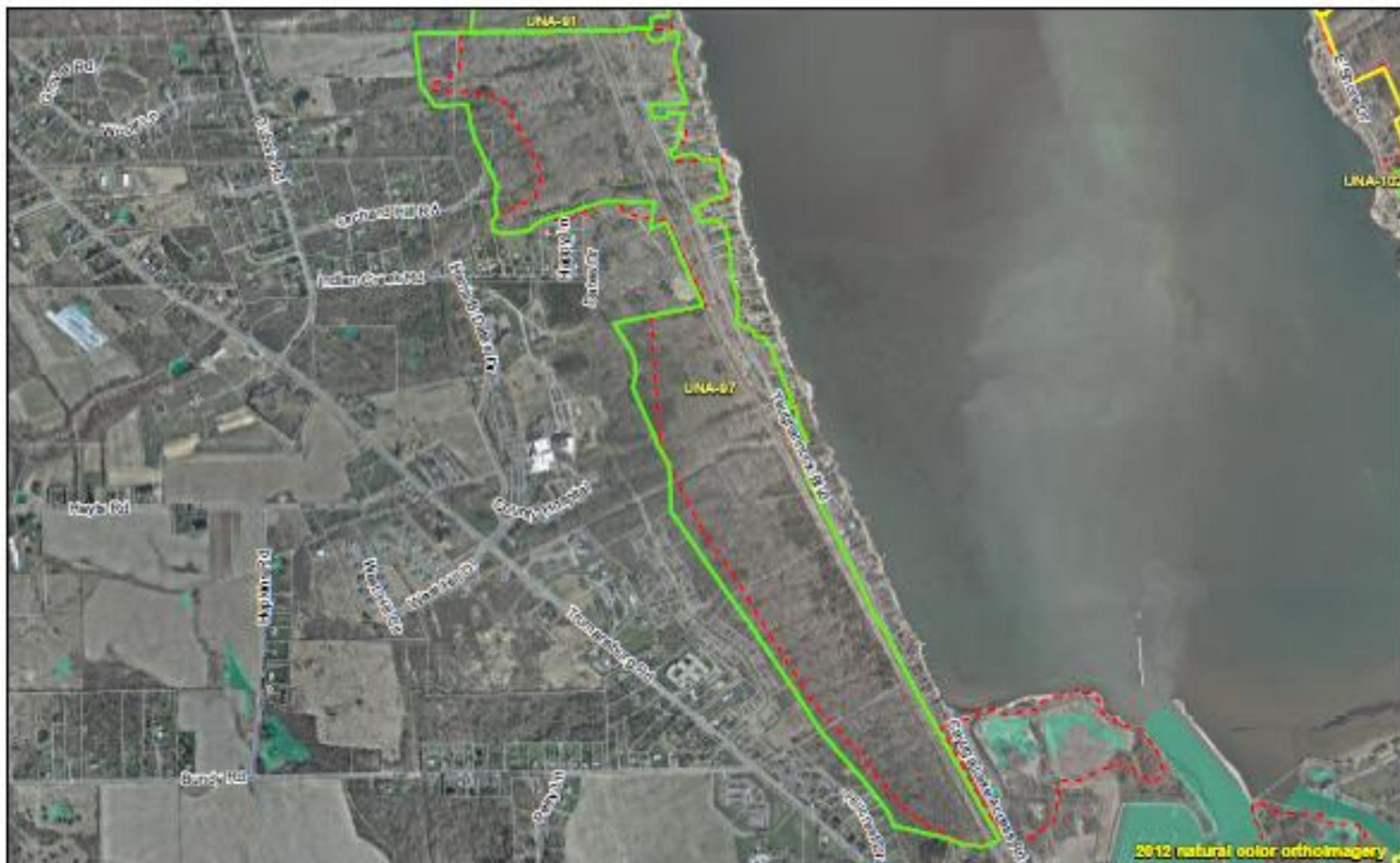




Name	Poyer Orchard Diatreme
Code	UNA-92
Original acres	1.49
Revised acres	1.38
Percent change	-7.38
Reasons for changes	to tax parcels

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory





Name	Indian Creek Gorge and Lake Slopes
Code	UNA-97
Original acres	226.35
Revised acres	261.11
Percent change	15.36
Reasons for changes	adjust to contours, parcel boundaries, vegetation

-  Ditch 2 revisions
-  Ditch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory

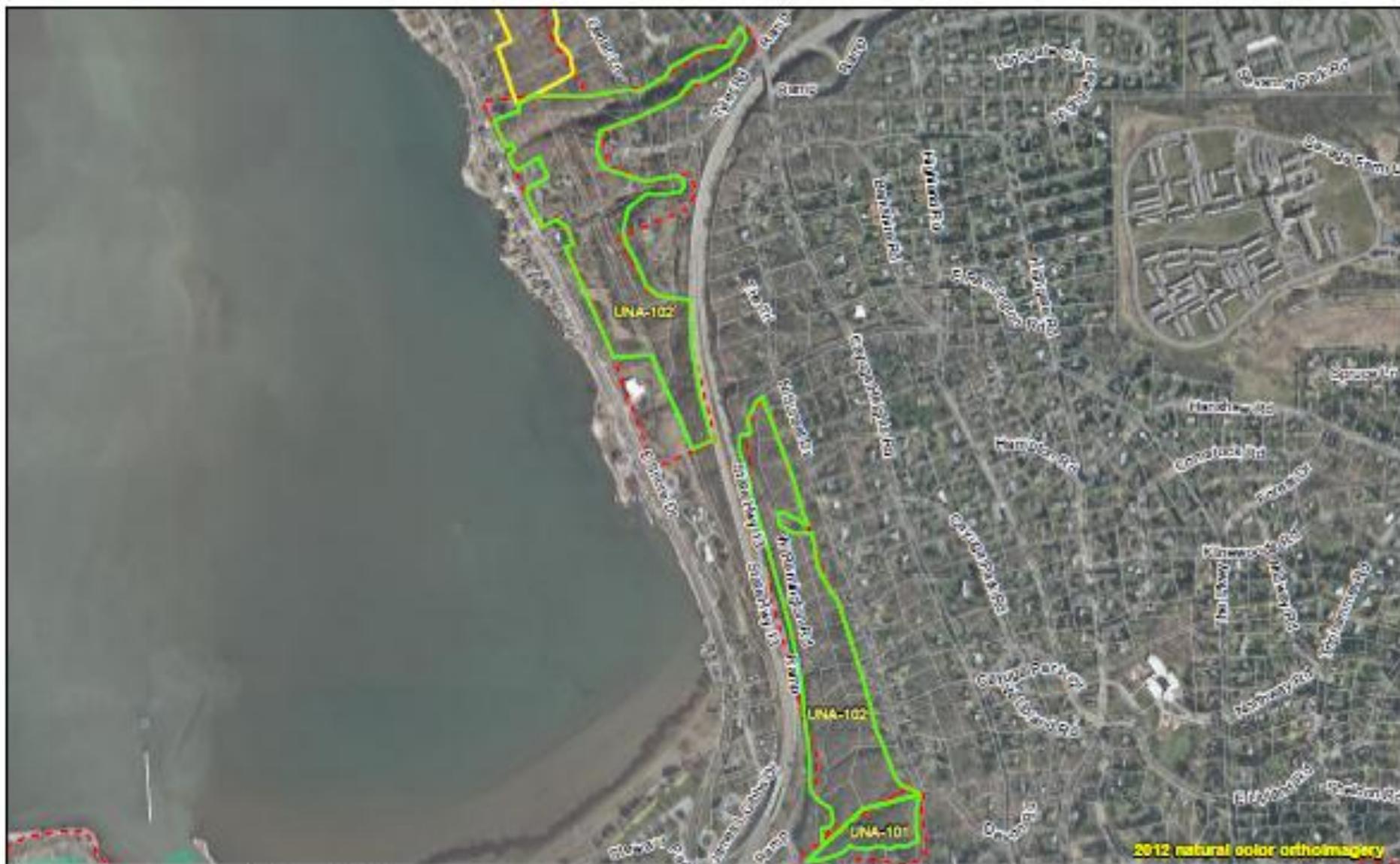




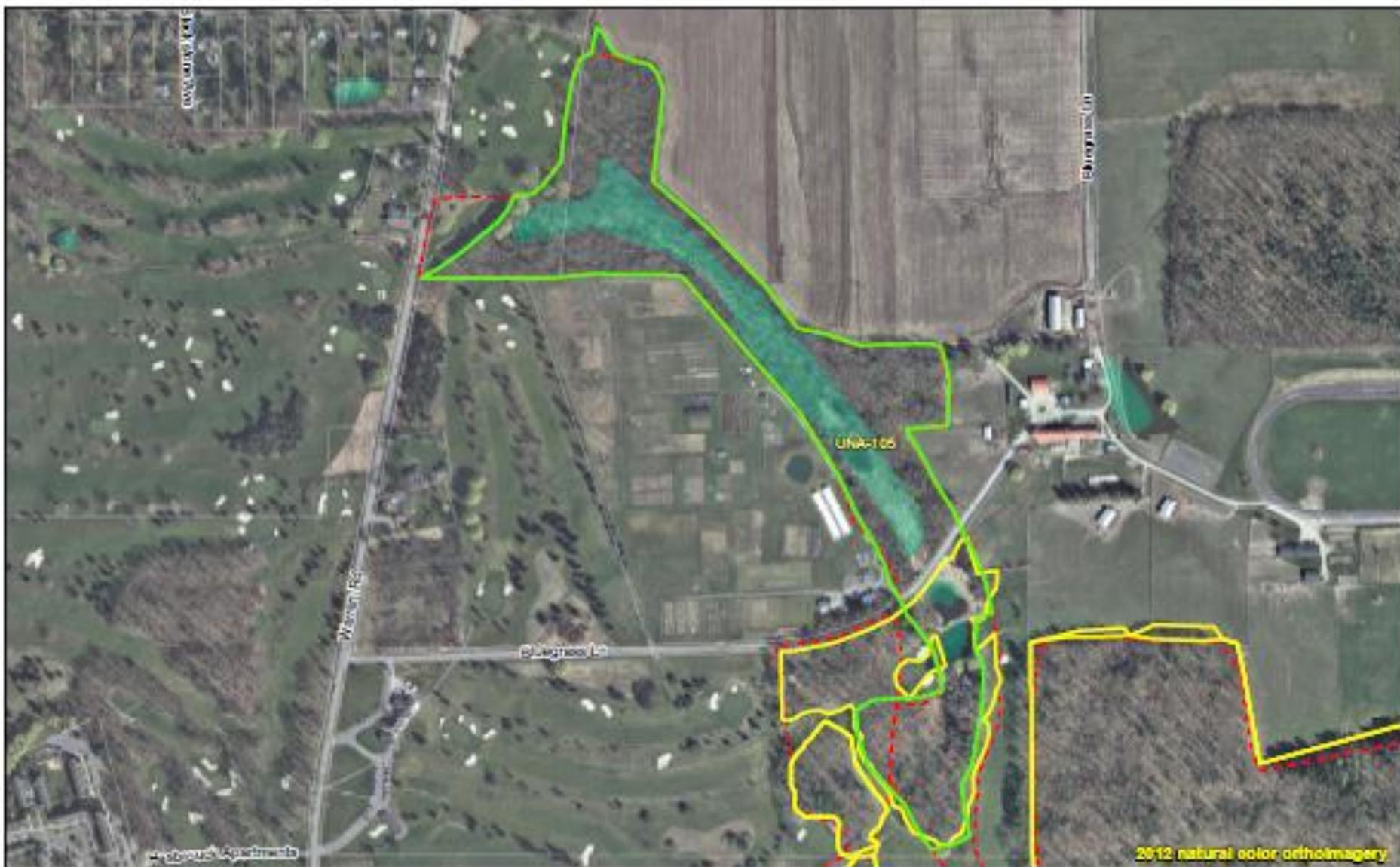
Name	Newman Tract
Code	UNA-101
Original acres	7.63
Revised acres	4.26
Percent change	-44.17
Reasons for changes	adjust to tax parcel

-  Ditch 2 revisions
-  Ditch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory

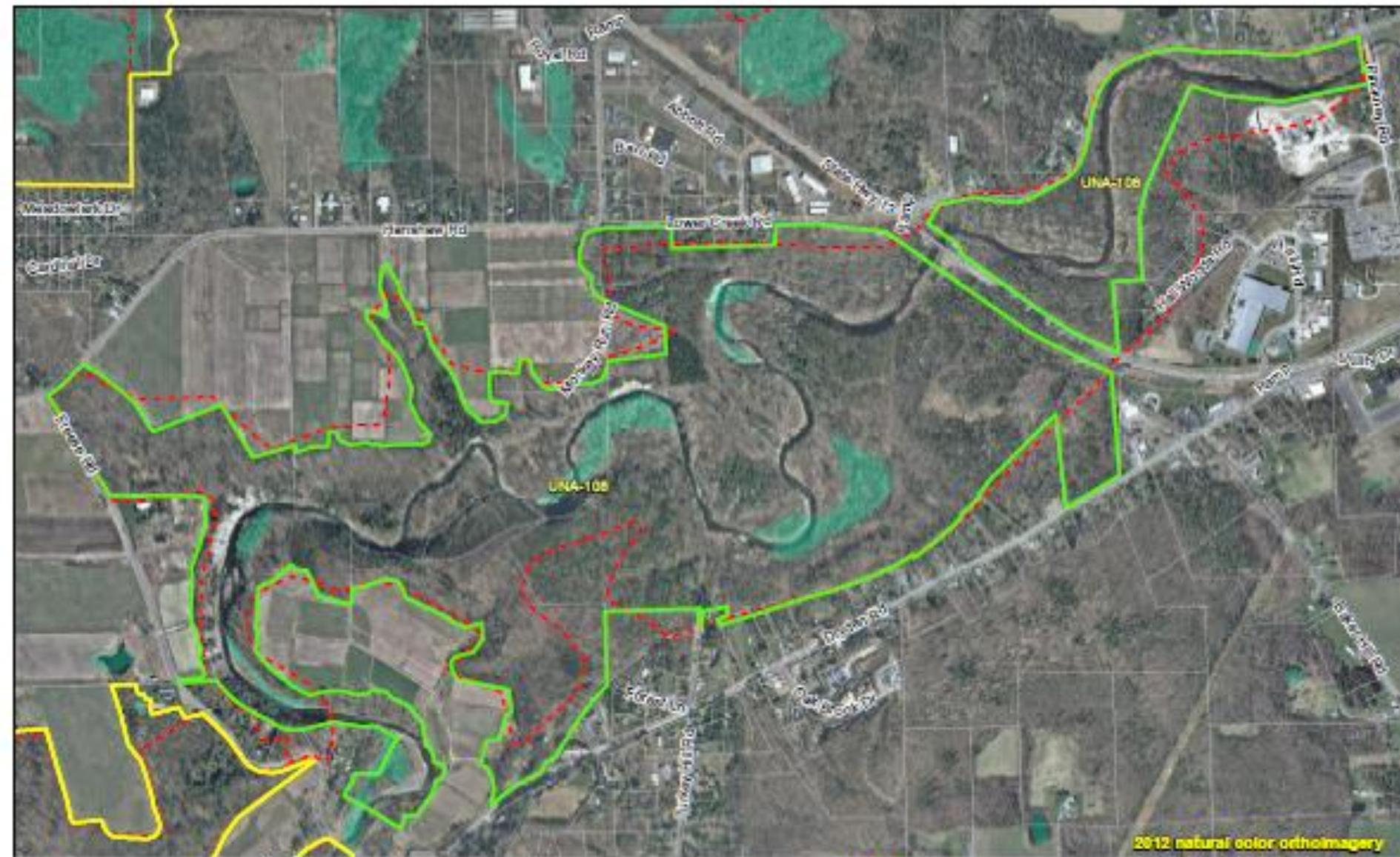


Name	Renwick Slope			
Code	UNA-102			
Original acres	73.79			
Revised acres	63.17			
Percent change	-14.39			
Reasons for changes	adjust to parcel boundaries, vegetation			



Name	Bull Pasture Ponds
Code	UNA-105
Original acres	32.87
Revised acres	29.39
Percent change	-10.59
Reasons for changes	adjust to vegetation, eliminate overlap with Fall Creek Valley UNA



2012 natural color orthoimagery

Name
Code
Original acres
Revised acres
Percent change
Reasons for changes

Monkey Run	
UNA-108	
548.28	
543.7	
-0.84	
used CU natural areas boundaries, adjusted to parcel lines and vegetation where appropriate	

-  Ditch 2 revisions
-  Ditch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcel 2013
-  National Wetlands Inventory



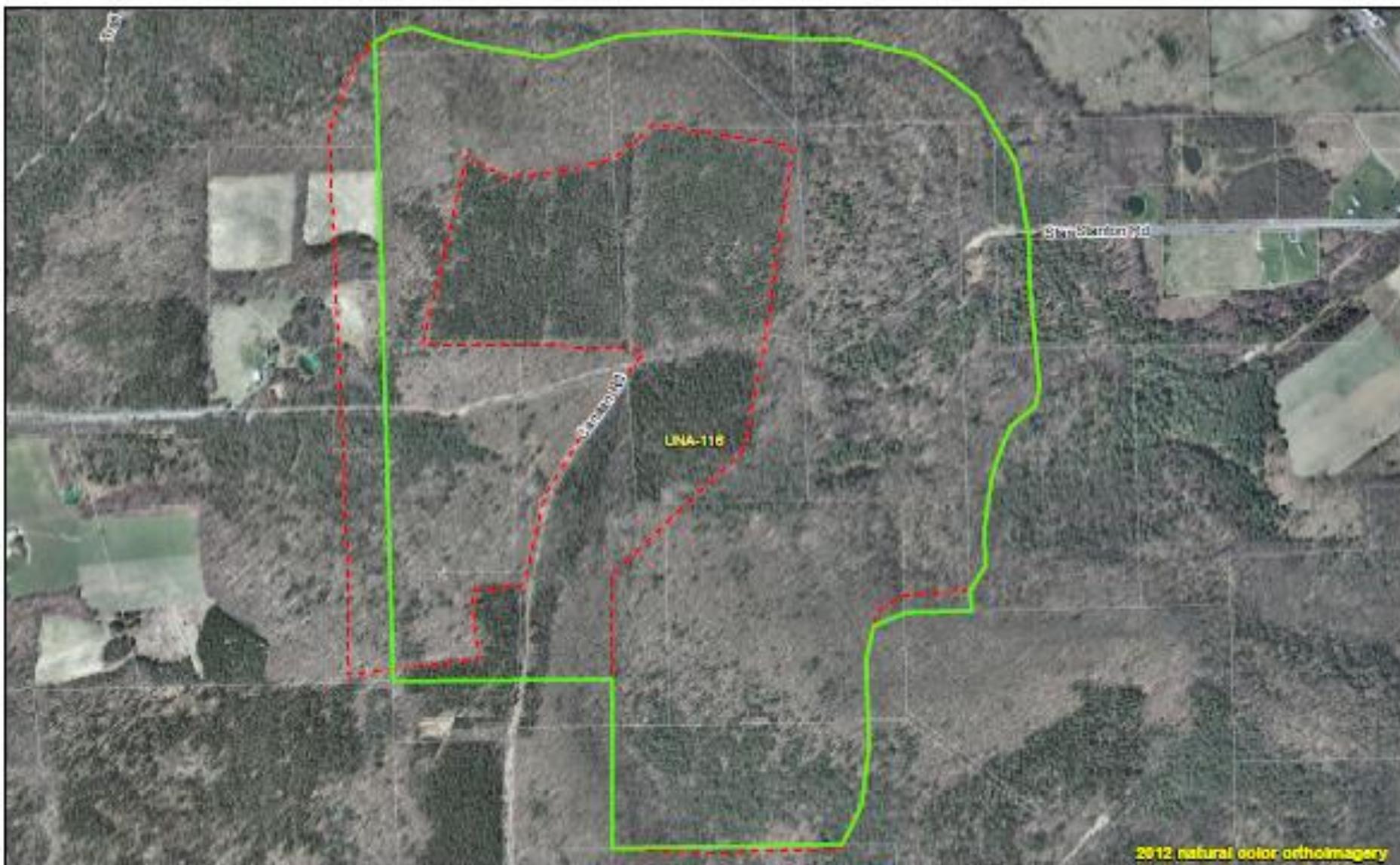


2012 natural color orthoimagery

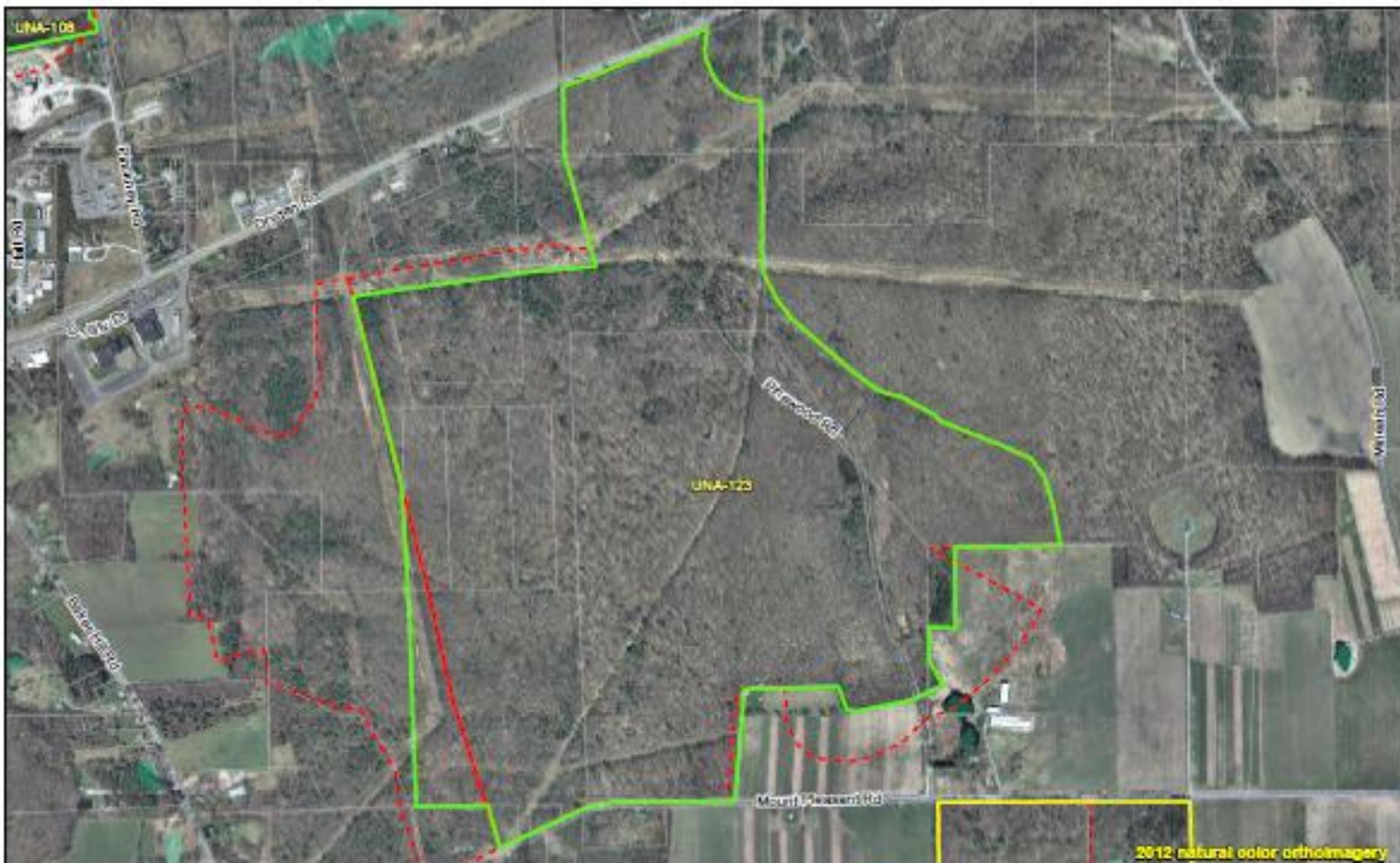
Name	Dryden Lake, Marshes and Swamp
Code	UNA-114
Original acres	413.03
Revised acres	378.85
Percent change	-8.28
Reasons for changes	adjust to contours, vegetation line, NWI

-  Ditch 2 revisions
-  Ditch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory





Name	Star Stanton Hill			
Code	UNA-116			
Original acres	326.8			
Revised acres	408.34			
Percent change	24.95			
Reasons for changes	question on mid-section bump-out			

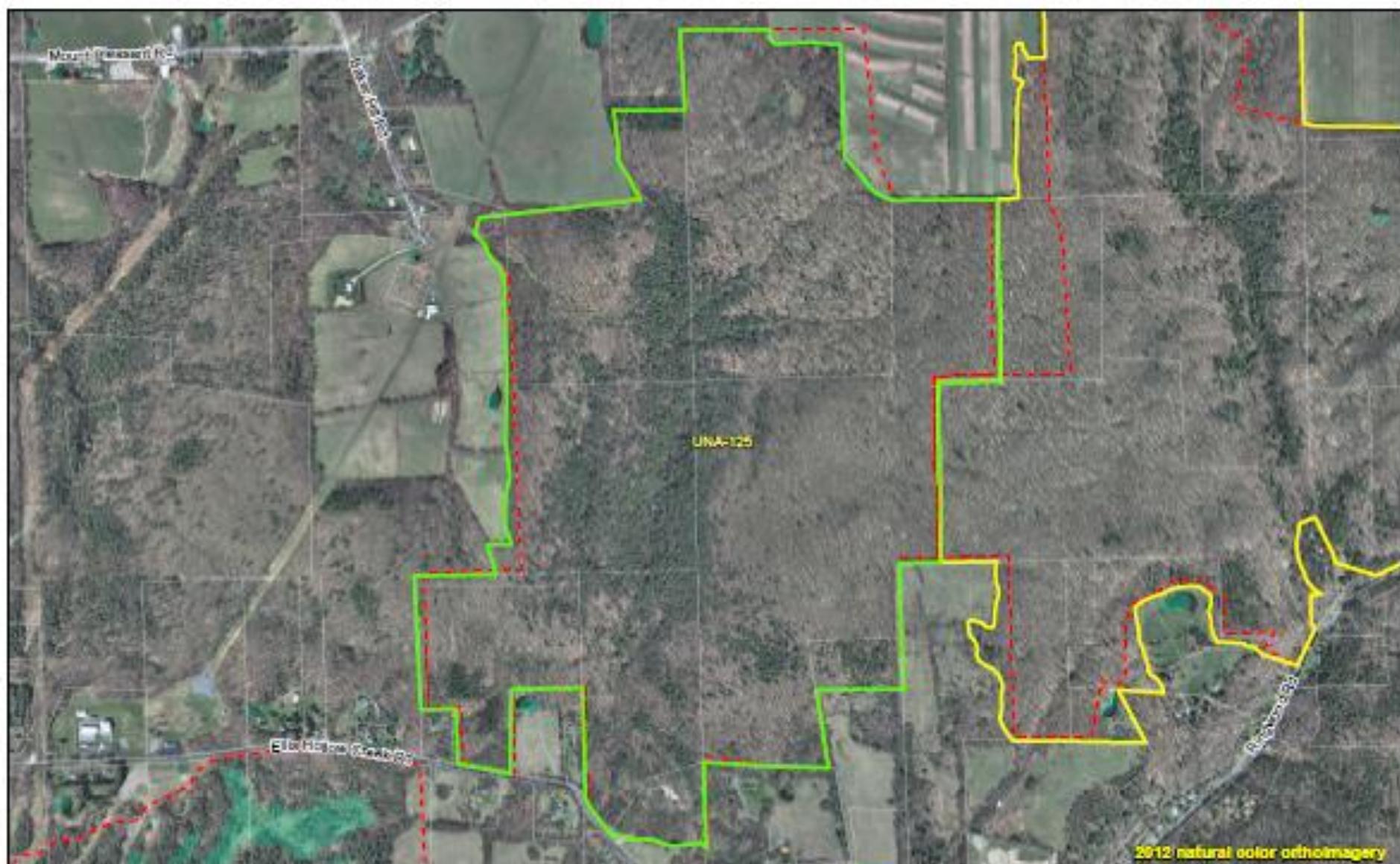


Name
Code
Original acres
Revised acres
Percent change
Reasons for changes

Pine Woods
UNA-123
482.08
466.19
-3.3
follow vegetation edge, tax parcel line to square

-  Datch 2 revisions
-  Datch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory

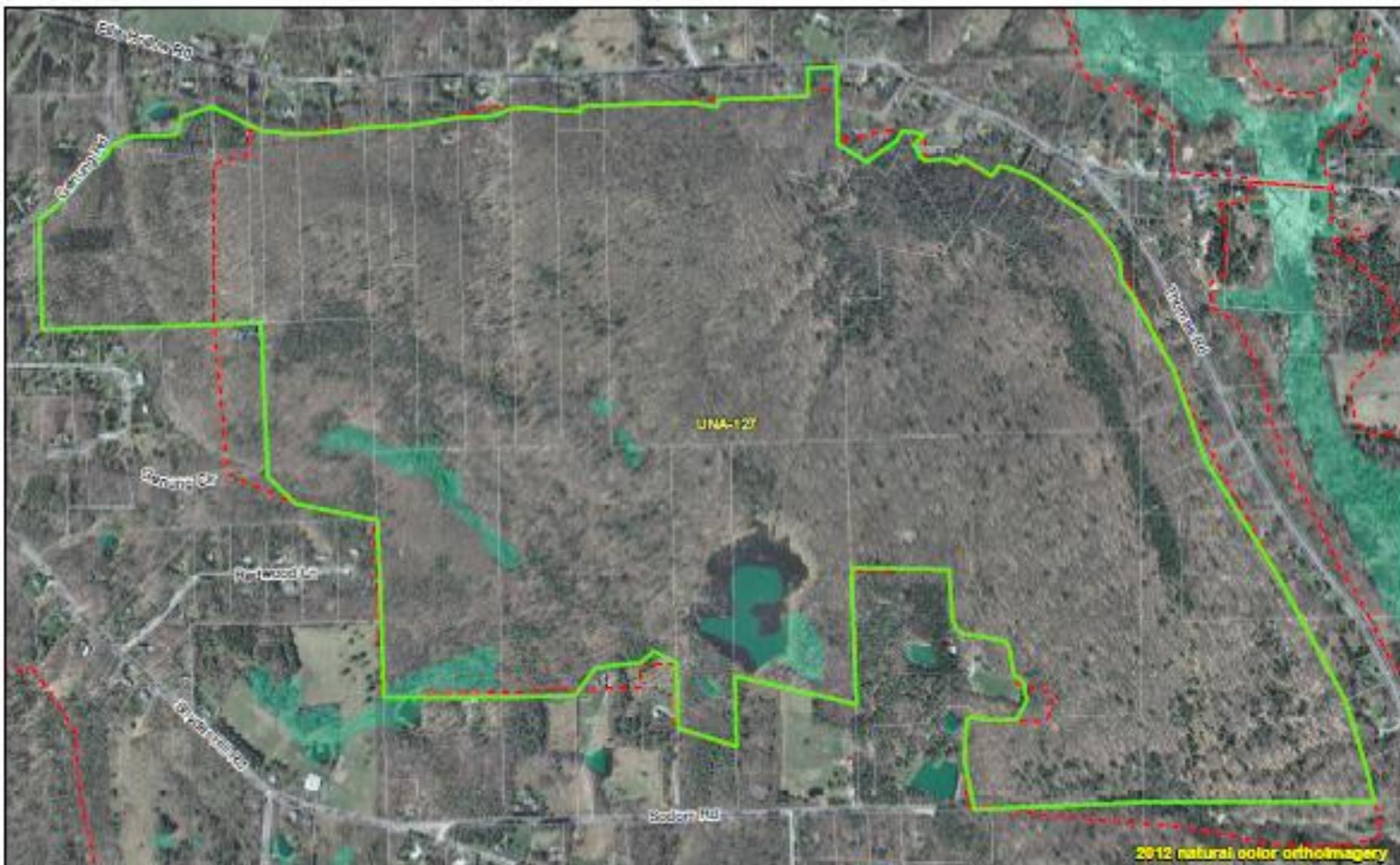




Name	Durland Bird Preserve
Code	UNA-125
Original acres	436.15
Revised acres	437.94
Percent change	0.41
Reasons for changes	follow forest edge and generally tax parcels

-  Ditch 2 revisions
-  Ditch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory

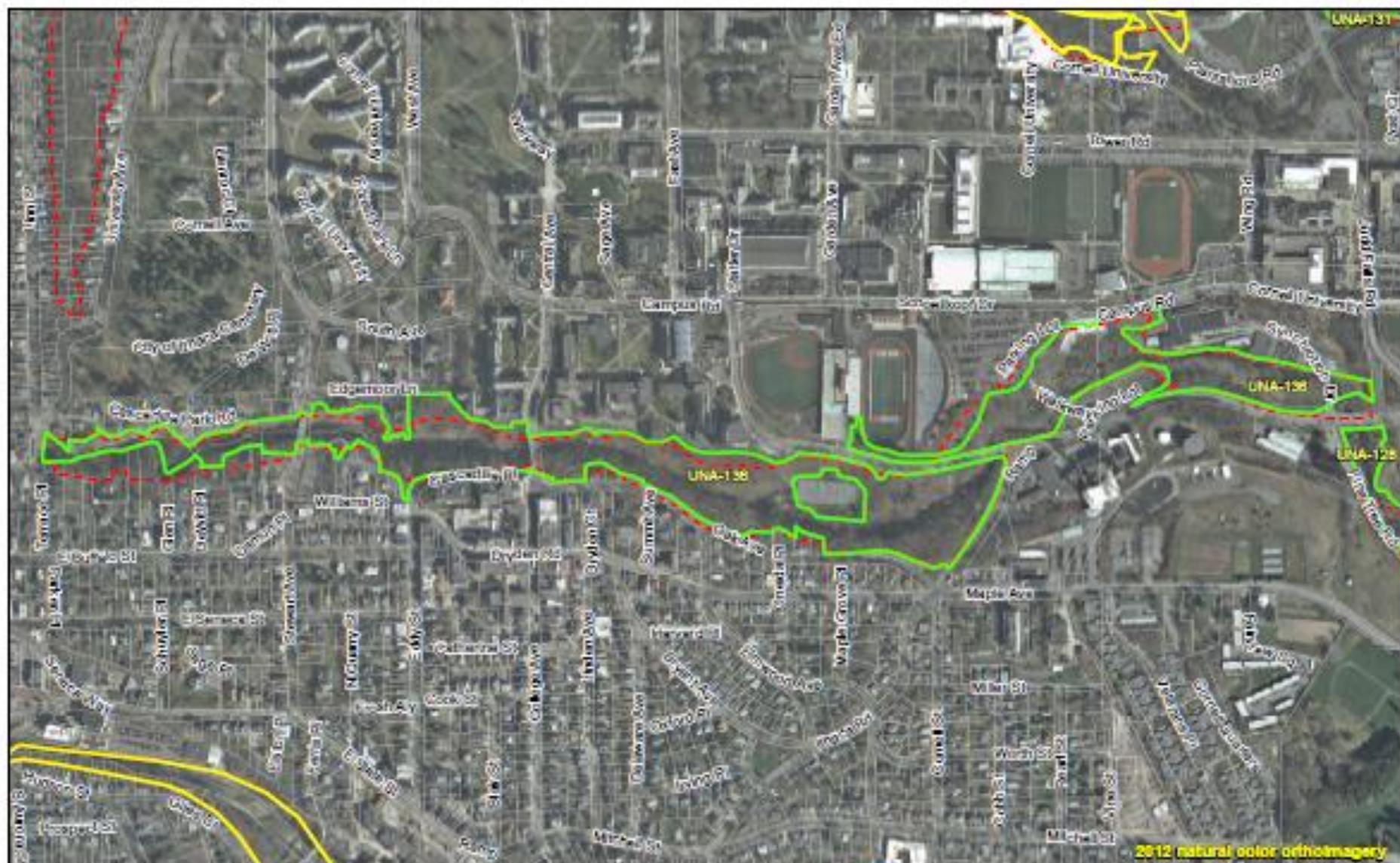




<p>Name Code Original acres Revised acres Percent change Reasons for changes</p>	<p>Polson Preserve and Snyder Hill UNA-127 633.31 646.05 2.01 add in CU Natural area, adjust to vegetation edge, align to parcel boundaries where close</p>	<ul style="list-style-type: none"> Batch 2 revisions Batch 1 revisions UNA 2000 boundaries Tompkins Parcels 2013 National Wetlands Inventory 	
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Name	Cascadilla Woods and Fish Ponds			
Code	UNA-128			
Original acres	60.84			
Revised acres	75.25			
Percent change	23.69			
Reasons for changes	adjust to mature vegetation and Cornell boundary suggestion			



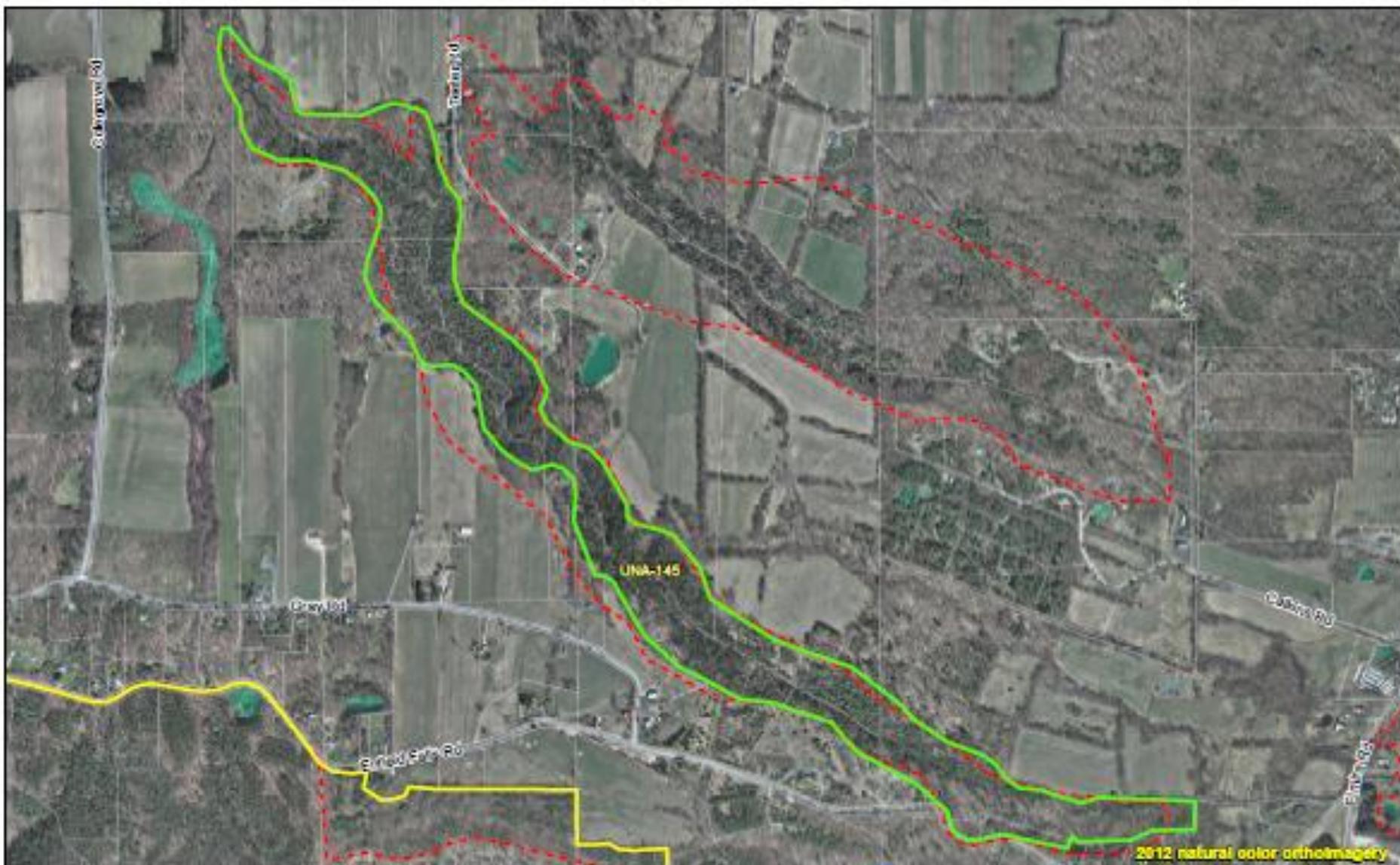
2012 natural color orthomosaic

Name
Code
Original acres
Revised acres
Percent change
Reasons for changes

Cascadilla Gorge
UNA-136
43.27
40.37
-6.7
adjust to CU natural area, vegetation, some parcel lines

-  Ditch 2 revisions
-  Ditch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory





2012 natural color orthoimagery

<p>Name Code Original acres Revised acres Percent change Reasons for changes</p>	<p>Steep Hollow UNA-145 135.42 122.74 -9.36 adjust to mature vegetation, contour lines, minor adjust to parcel boundaries</p>	<ul style="list-style-type: none"> — Batch 2 revisions — Batch 1 revisions - - - - - UNA 2000 boundaries ▭ Tompkins Parcels 2013 ▭ National Wetlands Inventory 	 
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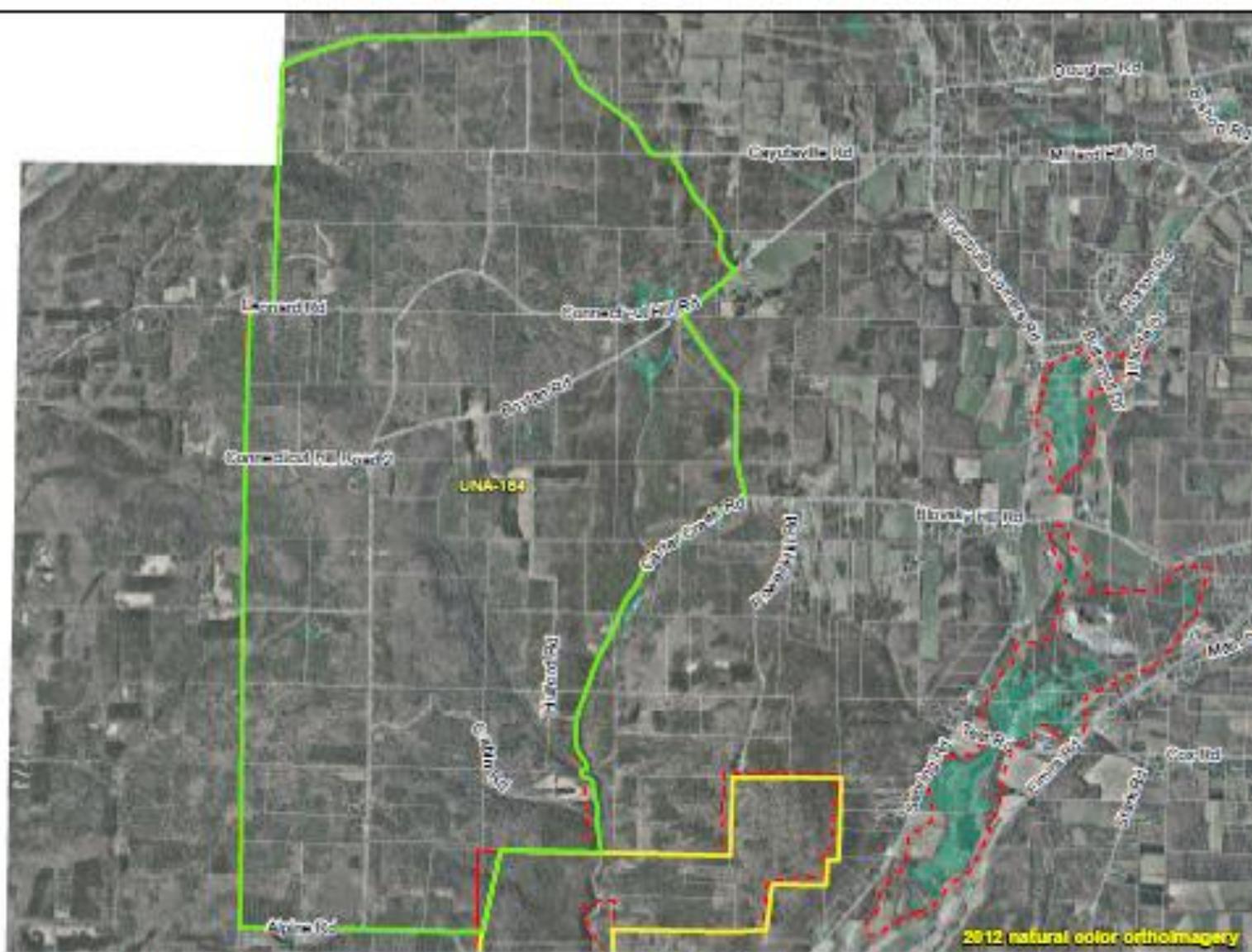


Name
Code
Original acres
Revised acres
Percent change
Reasons for changes

Negundo Woods
UNA-153
27.88
29.08
4.3
adjust to mature vegetation

-  Ditch 2 revisions
-  Ditch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory

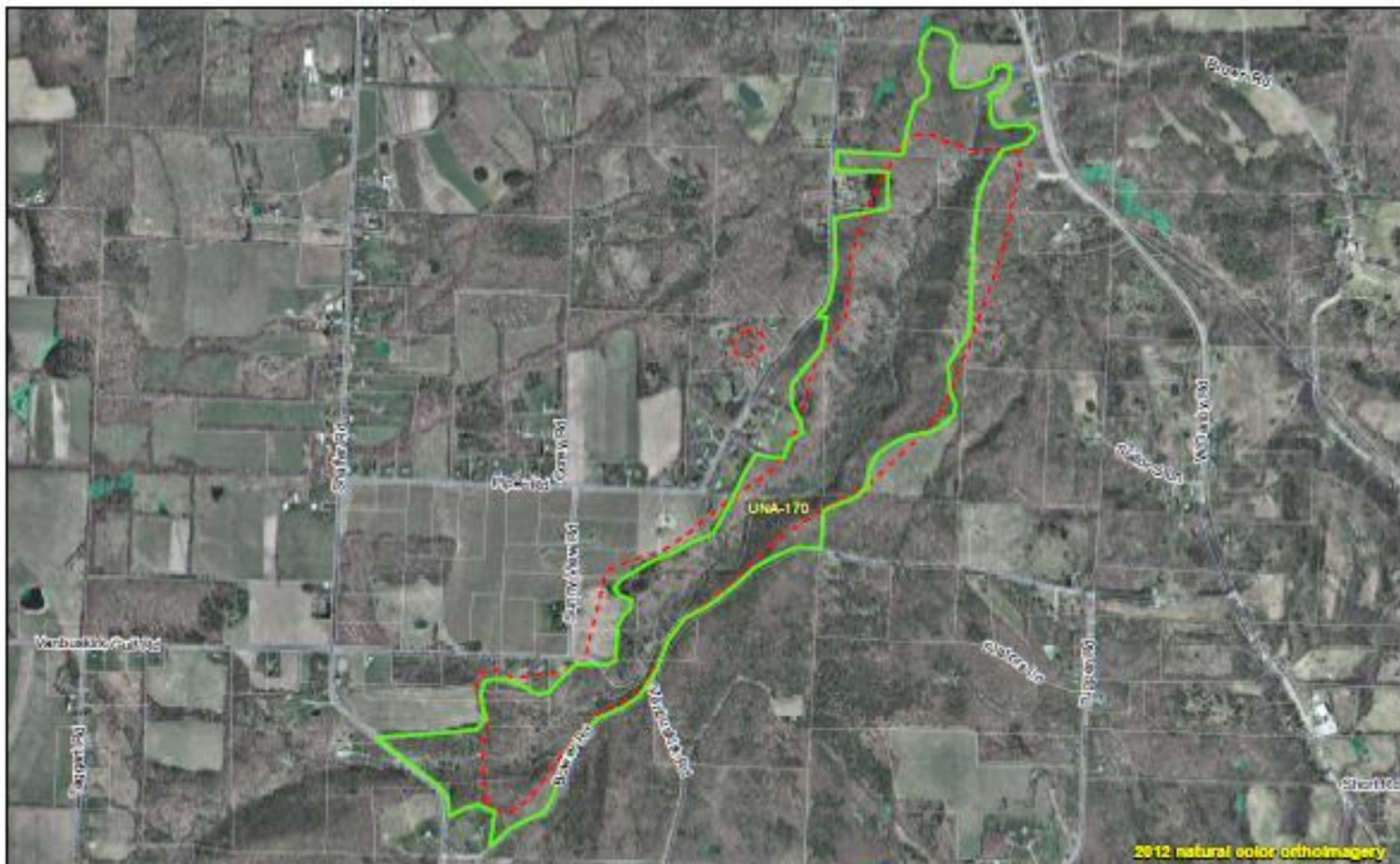




Name	Connecticut Hill
Code	UNA-164
Original acres	4215.77
Revised acres	4234.65
Percent change	0.45
Reasons for changes	mostly good, but snapped to some parcels

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory





2012 natural color orthomagery

Name	Van Buskirk Glen
Code	UNA-170
Original acres	216
Revised acres	244.26
Percent change	13.08
Reasons for changes	IC land, tax parcels, contours, forest edge

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory

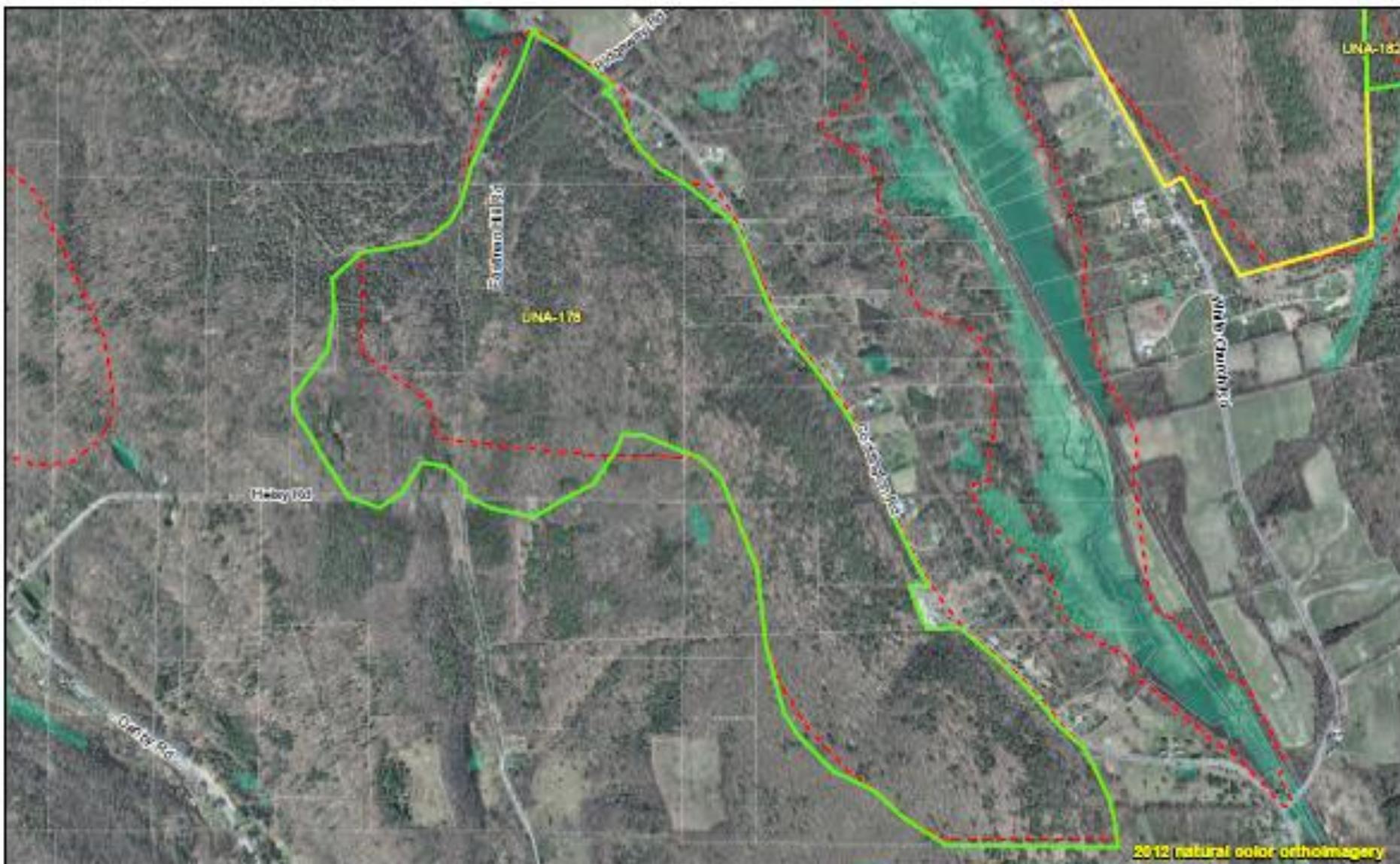




Name	Belle School Road Fen
Code	UNA-177
Original acres	21.16
Revised acres	20.5
Percent change	-3.12
Reasons for changes	follow tax parcel, take out edge of nwi

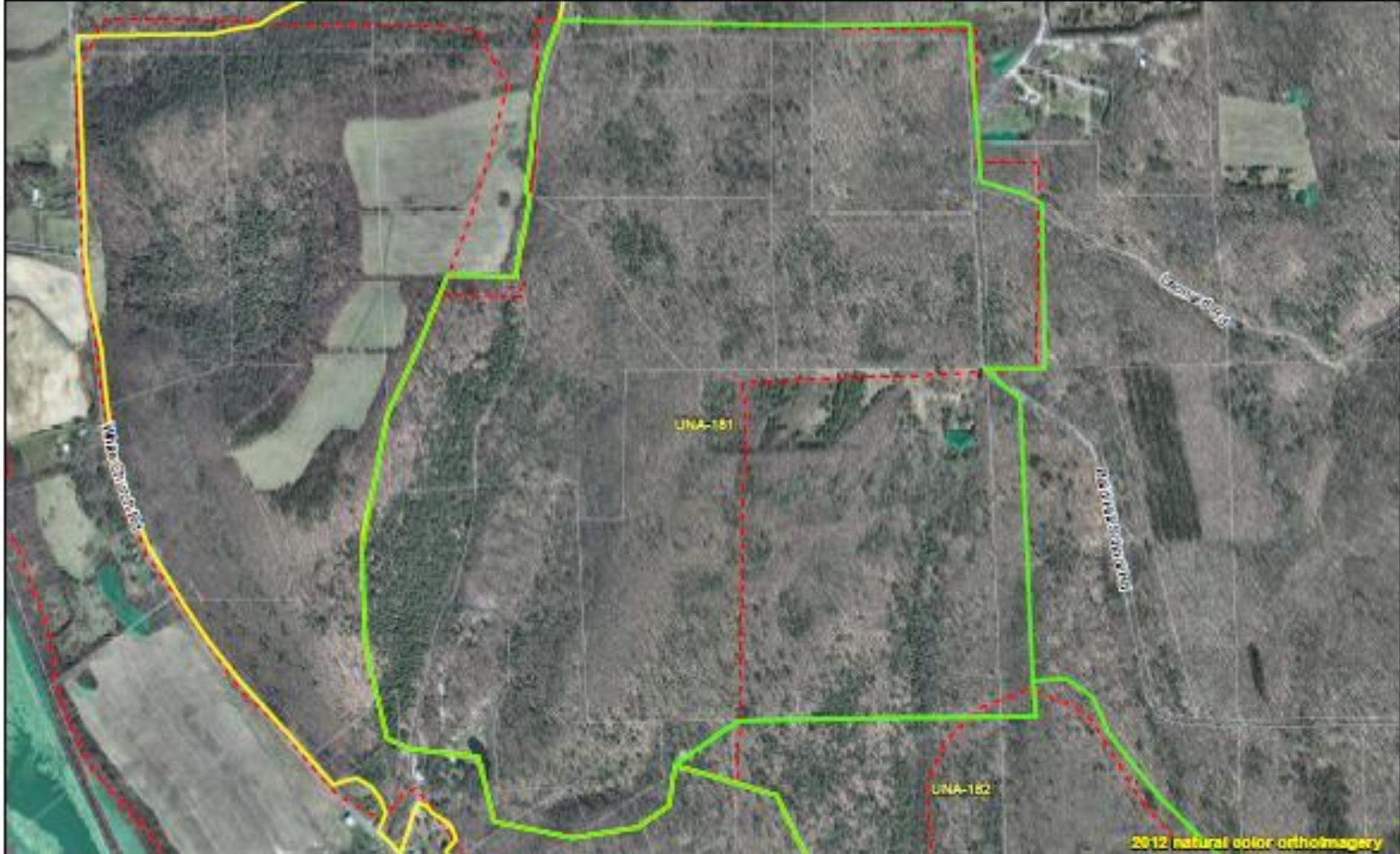
-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory





2012 natural color orthoimagery

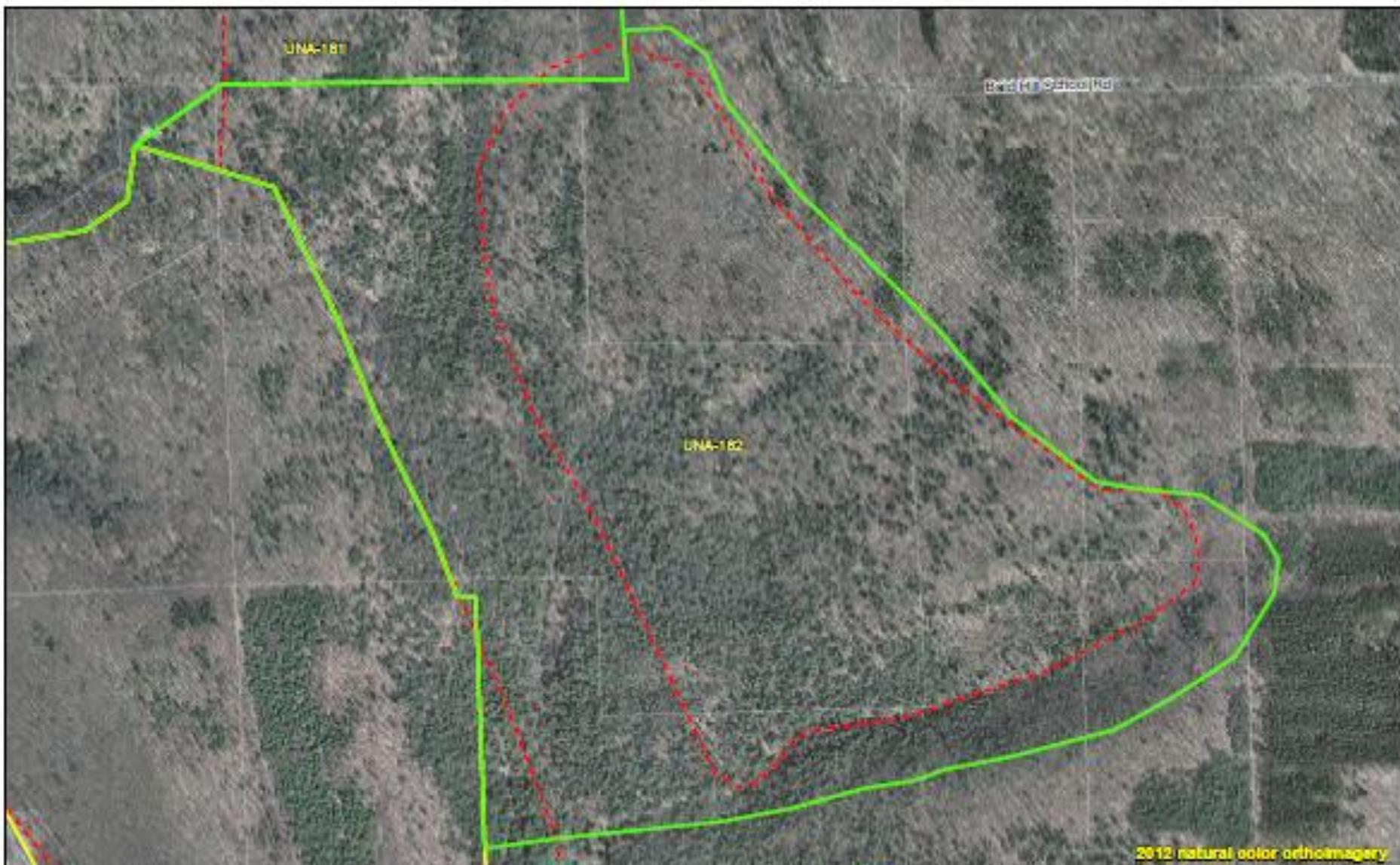
Name	Eastman Hill			
Code	UNA-178			
Original acres	366.67			
Revised acres	405.08			
Percent change	10.48			
Reasons for changes	adjust to contours, parcel lines			



Name	Bald Hill Woods
Code	UNA-181
Original acres	344.68
Revised acres	443.75
Percent change	28.74
Reasons for changes	adjust to boundary with Caroline Pinnacles, other nearby UNAs

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory

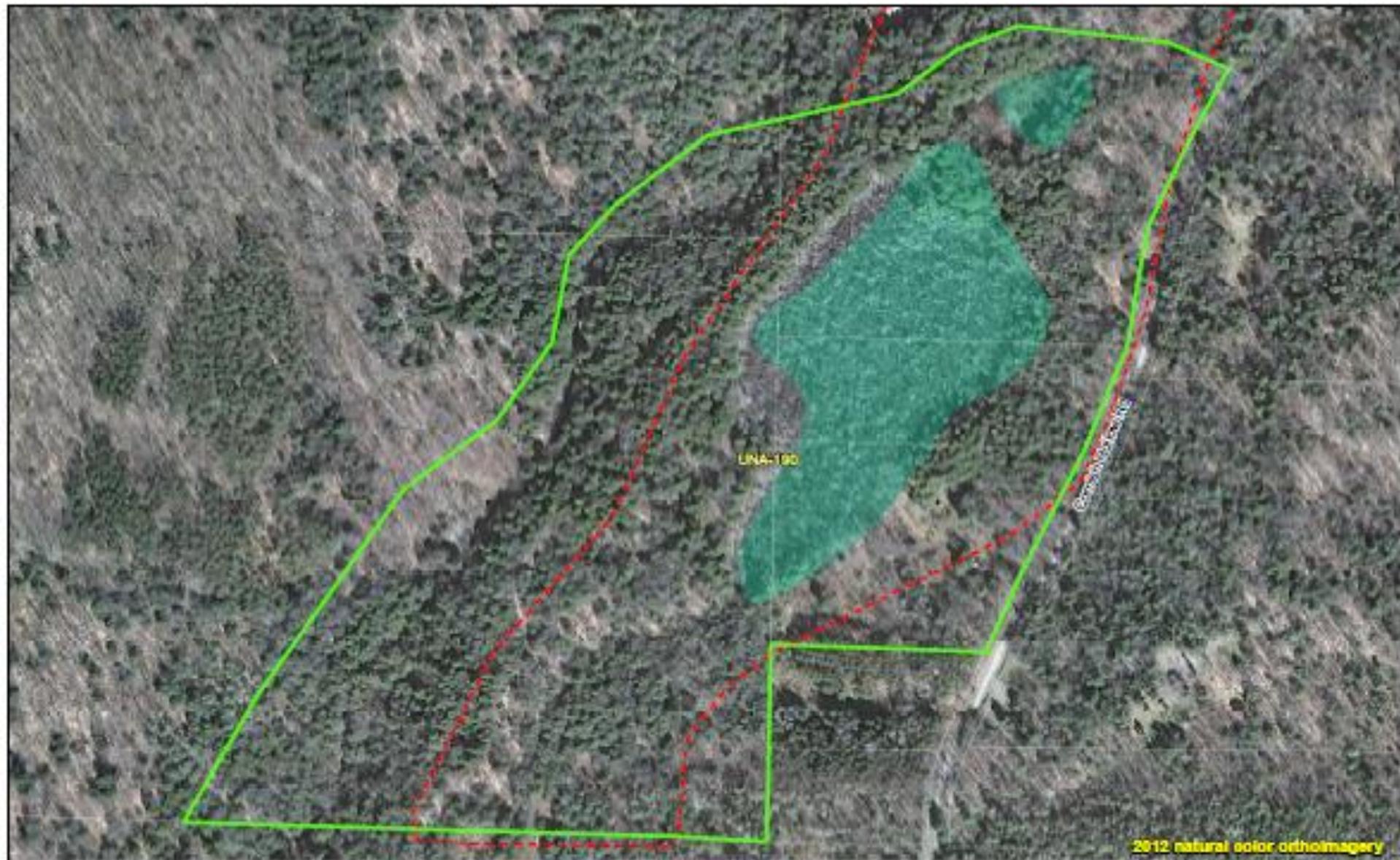




Name	Bald Mountain Laurel Woods
Code	UNA-182
Original acres	149.45
Revised acres	264.91
Percent change	77.26
Reasons for changes	follow other UNA to west, and also contour lines

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory

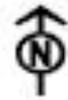


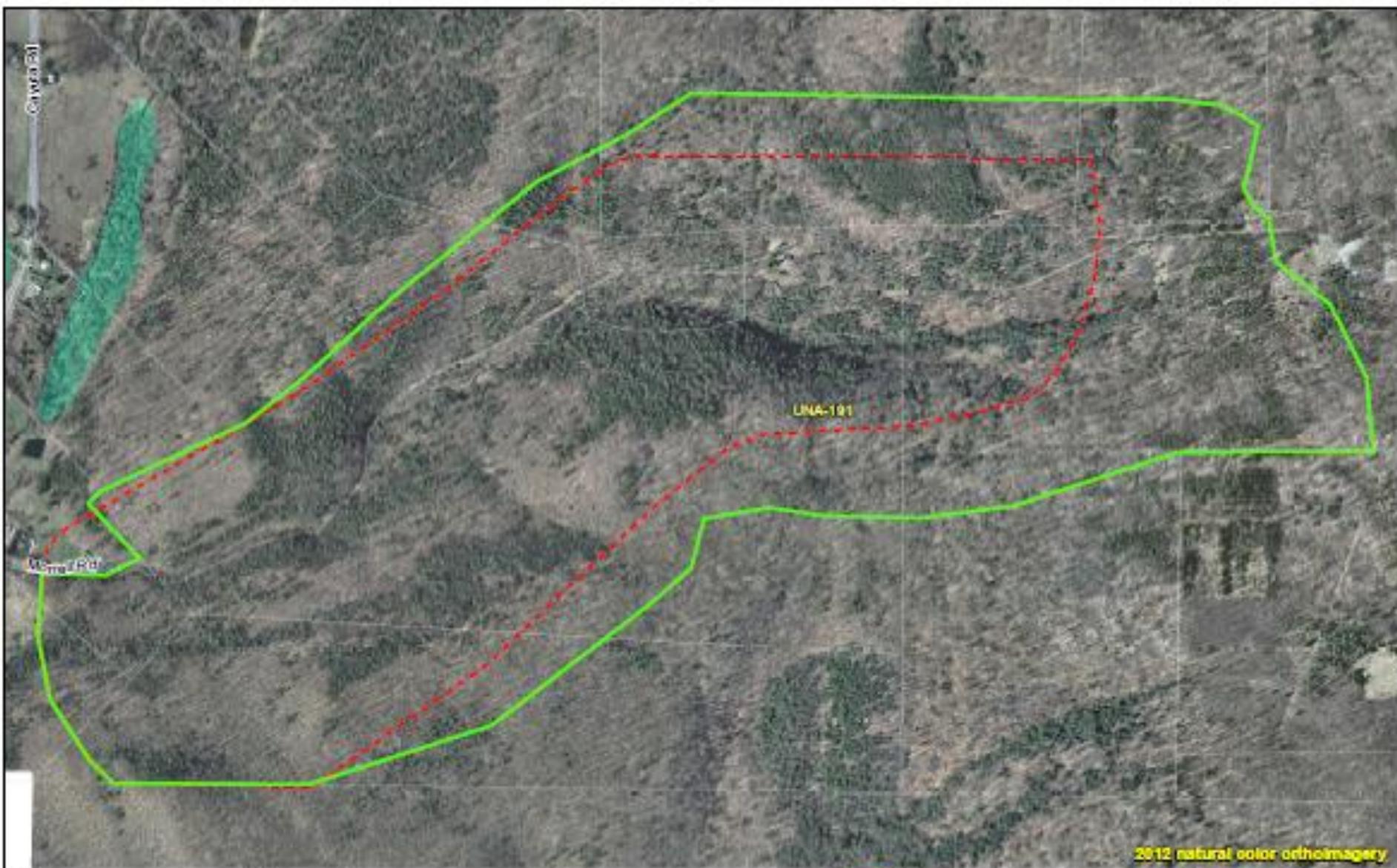


2012 natural color orthoimagery

Name	Cornish Hollow Swamp
Code	UNA-190
Original acres	37.82
Revised acres	48.62
Percent change	28.56
Reasons for changes	use contours, parcel lines, road

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory





2012 natural color orthoimagery

Name	Auger Hole
Code	UNA-191
Original acres	255.15
Revised acres	382.92
Percent change	50.08
Reasons for changes	adjust to ridge tops, property lines

-  Batch 2 revisions
-  Batch 1 revisions
-  UNA 2000 boundaries
-  Tompkins Parcels 2013
-  National Wetlands Inventory



