

Stewardship Management Plan for Laurel Lake Preserve identified as Suffolk County tax map number 1000-125.-1-14 and 5145 Route 25, Laurel

Purposes of Property Acquisition

Laurel Lake Preserve was purchased for the purposes of passive recreational/educational uses, the protection and restoration of natural resources and the natural scenic views of the property. Proposed uses included the establishment of a nature preserve, passive recreational trails, stewardship and interpretive center/quarters and limited parking for access purposes all in conjunction with the other preserved properties in the vicinity.

Prohibited Activities

All activities not related to the purposes of the property acquisition are prohibited.

Use of motorized vehicles and equipment with the exceptions of vehicles and equipment necessary for approved stewardship work, emergency/public safety vehicles, motorized wheelchairs/scooters for the handicapped and Suffolk County Water Authority vehicles and equipment provided that SCWA access is limited to the agreed upon right of way through the property to the adjacent property owned by SCWA. In addition visitors to the Preserve may use registered vehicles to access the designated parking area on the property for parking only.

The creation of new trails except as outlined in the Allowed Activities section below.

Maintenance of existing trails not depicted on the attached trail map except as outlined in the Allowed Activities section below.

Trapping of wildlife with the exception of Town approved trapping of diseased wildlife and feral cats.

Fireworks.

Weddings, parties, reunions, flea markets, swap meets, antique shows, car shows or similar activities not related to the purposes of the property acquisition.

Commercial for profit activities

Camping, fires, bonfires.

Sports whether organized or “pick up” in nature with the exception of running events provided they are approved by the Town Board as per the Town Approval of Activities section below.

Paintball and other similar war games.

Town Approval of Activities

No activities related to the purposes of the property acquisition are allowed on the property without the explicit approval of the Town Board except for the activities listed in the Allowed Activities section below. Town Board approvals will be based on recommendations of the Stewardship Group and Land Preservation Committee.

Allowed Activities

Section I Public Uses

Hiking, jogging, walking.

Cross country skiing.

Nature walks/surveys, bird watching, citizen science surveys.

Star gazing.

Section II General Activities

Inventories of the property including flora, fauna, trails, trash, structures, archaeological resources and any other aspects provided that conducting such inventories does not alter or damage the property.

Invasive species control and removal provided same is conducted as per the Invasives report attached to this plan. The invasive species report will be updated, expanded and amended as needed based on monitoring of the property for the extent of invasive species present.

Clean up of man made trash and construction debris provided such clean up does not damage the property.

Clean up of residential lawn and brush debris from past or future dumping provided such clean up does not damage the property.

Section III Existing Structures

Pavilion – the structure formerly used as a chapel will be known as the Pavilion. Restoration of this structure within its existing footprint including a new roof, siding, windows and electric service is allowed. Lighting may be installed provided that it is dark sky lighting. Tables will be made available for events held in the Pavilion. The Pavilion will not be enclosed. No bathrooms will be installed in the Pavilion. The Pavilion will only be used for purposes related to the acquisition of the property.

Garage – repairs to the garage within its existing footprint including the installation of a new roof and doors are allowed. The garage may be used for the storage of stewardship related equipment and supplies.

Farm stand – the farm stand will be left as is and only used for purposes related to the acquisition of the property.

Retaining wall – the retaining wall near the lake will be left as is.

Asphalt/Concrete pads and paved areas – all asphalt and concrete pads and paved areas not part of the SCWA right of way will be removed with top soil being restored if necessary. Removal of the pads will be conducted in a way that minimizes disturbance to the existing native vegetation surrounding the pads and paved areas.

All other structures will be removed from the property. This includes the house near Route 25, small cabin near the trail head, utility shed, both bath houses, collapsed buildings, old tanks and dyke, foundation on the north end of the open field area, jungle gym, unused utility poles and dock. Removal of these structures will be conducted in a way that minimizes disturbance to any existing native vegetation in the areas around the structures.

Section IV Infrastructure/Facilities

Signage – the following signage is allowed: entrance sign, trail head kiosk, Town open space signs, posted/no hunting signs, safety signs, rules/regulations signs and directional trail signs.

The “Green Trail” as depicted on the attached map shall be maintained as part of the official trail system. The Green Trail shall be maintained so that it is approximately 4 to 6 feet wide and passable with vegetation not to exceed six inches in height. The section of the Green Trail that is also part of the SCWA right of way will be maintained so that it is approximately 15 feet wide to accommodate SCWA vehicles. As needed the trail may be mowed and trimmed, fallen branches/trees that block or partially block the trail may be removed, sections of the trail that have been damaged by erosion or ATVs may be restored and leveled using soil or wood chips, areas of the trail subject to becoming wet and muddy may be covered with a layer of wood chips. Trail maintenance will be kept to the minimum necessary to maintain the trail in the condition described above. The Green Trail as depicted on the attached map extends beyond the boundaries of the property covered by this management plan. However, the same rules shall apply to those sections of the trail beyond the boundaries of the property.

The trails or any sections thereof may be closed to the public should any unsafe conditions exist or for the purposes of protecting native flora and fauna. Signage denoting such closures is allowed.

The wood chips from the past removal of trees near the Pavilion that are stored near the garage may be used on the official trails throughout the entire Laurel Lake Conservation area to eliminate muddy spots, level the trails, prevent erosion and minimize the need for mowing/trimming of the trails.

The agreed upon right of way for SCWA to access their property will be maintained so that it is approximately 15 feet wide to accommodate SCWA vehicles.

One open area approximately 15-20 feet wide may be created and maintained for access to Laurel Lake in the general vicinity of the old dock.

Portable bathroom facilities are allowed in the general vicinity of the Pavilion.

Temporary garbage cans may be put out in the general vicinity of the Pavilion and parking area for specific scheduled events but may not be left out permanently.

A pervious parking area constructed of crushed stone or a similar material is allowed in the area near the house, farm stand and Route 25. This area will be kept as close to Route 25 as practical. Temporary overflow parking areas are allowed south of the Pavilion and in the area near the garage, these areas are to be maintained with grass or other natural vegetation.

The area near the garage formerly used for greenhouses may be used as a nursery for propagating native species for use on any local preserves.

The formal lawn area north of the Pavilion will be limited to the area between the Pavilion and the tree, a distance of approximately 40 feet. The rest of the open area north of the Pavilion will be left natural. A formal maintenance plan for this natural area will be developed in the future.

Section V Special Conditions

The Suffolk County Water Authority may install water mains across the property as per their executed agreement with the Town which requires that any disturbed areas be restored to the Town's satisfaction. See Appendix 8.

Appendices

1. Invasive Species report
2. SCWA Right of Way
3. Approximate Locations of Structures & Areas
4. Green Trail
5. Fauna Inventory
6. Flora Inventory
7. Laurel Lake Area Bird Species Listing
8. SCWA Agreement

Appendix 1 Invasive Species Report
July 12, 2007
Stewardship Working Group
Invasive Species Sub-Committee

The Stewardship Working Group Invasive Species Sub Committee proposes that Southold Town develop a management plan for the Laurel Lake property which includes the preservation of desired plant communities by the removal of existing invasive species. Steve Schott of Cornell performed a survey of the flora for the Laurel Lake property and he has provided an inventory to the Town and The Stewardship Working Group. Subsequent to a Stewardship Working Group site visit with Mr. Schott on June 26, 2007 the Invasive Species Sub-Committee was able to identify and **prioritize** species and / or plant population threats for this property.

The Invasive Species Sub-Committee of Stewardship Working Group strongly recommends the following critical management Laurel Lake:

1. Cutting of Purple Loosestrife (*Lythrum salicaria*) at the edge of the lake. This action should be undertaken in the month of July when flowers are in bloom and the plant is easily identifiable. It is crucial that it be cut prior to setting seed to prevent this invasive from spreading. We further recommend removal of this plant material by digging out the roots and immediate re-vegetation with a native flowering plant, Rose Mallow (*Hibiscus moscheutos*.)
2. Removal of an isolated stand of Japanese Knotweed (*Polygonum cuspidatu*) is also recommended. This highly invasive plant material is best controlled using a cut stem and herbicide application in areas where plants are established within or around non-target plants or where vines have grown into the canopy. This treatment remains effective at low temperatures as long as the ground is not frozen. Cut the stem about 2 inches above ground level. Immediately apply a 25% solution of glyphosate (e.g., Roundup®, or use Rodeo® if applying in or near wetland areas) A subsequent foliar application of glyphosate may be required to control new seedlings and resprouts. This control may be done any time during the growing season.
3. Asian Bittersweet (*Celastrus orbiculatus*) is to be cut from existing trees at the ground and roots removed manually to prevent destruction of existing trees. A combination of cutting followed by application of concentrated systemic herbicide to rooted living cut surfaces is likely to be the most effective approach. For large infestations spanning extensive areas of ground, a foliar herbicide may be the best choice rather than extensive manual or mechanical methods that could result in soil disturbance. Cutting can be done any time during the year. Systemic and foliar treatments must be applied during the growing season.

The Invasive Species Committee will monitor the management actions at Laurel Lake during a three-year period and evaluate results to determine whether management objectives are being achieved.

The committee proposes to do a property-by-property evaluation and prioritize species threats and identify a reasonable program to remove and control invasive plants on other Town owned open spaces. Management options would include prevention, restoration, re-vegetation and other control strategies. We will draft a science based plan for invasive removal as an integral part of each town preserve's individual management plan.

Resources

[Invasive Species Assessment Protocol](#): Evaluating Non-Native Plants for Their Impact on Biodiversity (Morse, et. al., [NatureServe](#), 2004). The protocol is designed to make the process of assessing and listing invasive plants objective, systematic, and transparent and will help set priorities focusing scarce management resources.

[Monitoring: How Can I Monitor without Spending a Lot of Time and Money?](#) From USDA Forest Service [A Weed Manager's Guide to Remote Sensing and GIS](#).

[Monitoring Changes in Exotic Vegetation](#), by Robert D. Sutter, TNC. " An overview of the most important monitoring issues, modified to address the management of exotics."

[Monitoring of Non-Indigenous Plant Species](#), by Bruce Maxwell, in [CIPM's Online Invasive Plant Management Textbook](#).

[Natural Resources Monitoring Partnership \(from NBII\)](#). The Monitoring Protocol Library is a searchable database of monitoring protocols and resource assessment methodologies. The Monitoring "Locator" is an internet-based GIS application that allows users to identify what natural resource monitoring is being conducted within a particular area (e.g., State, county, or other selected geographic area). Users of this system will have search tools to find out about ongoing and historic monitoring according to the scales

Long Island Invasive Species Task Force- Suffolk County List

The Nature Conservancy Invasive List

**Appendix 2
Laurel Lake Preserve
SCWA Right of Way**

— SCWA Right of Way

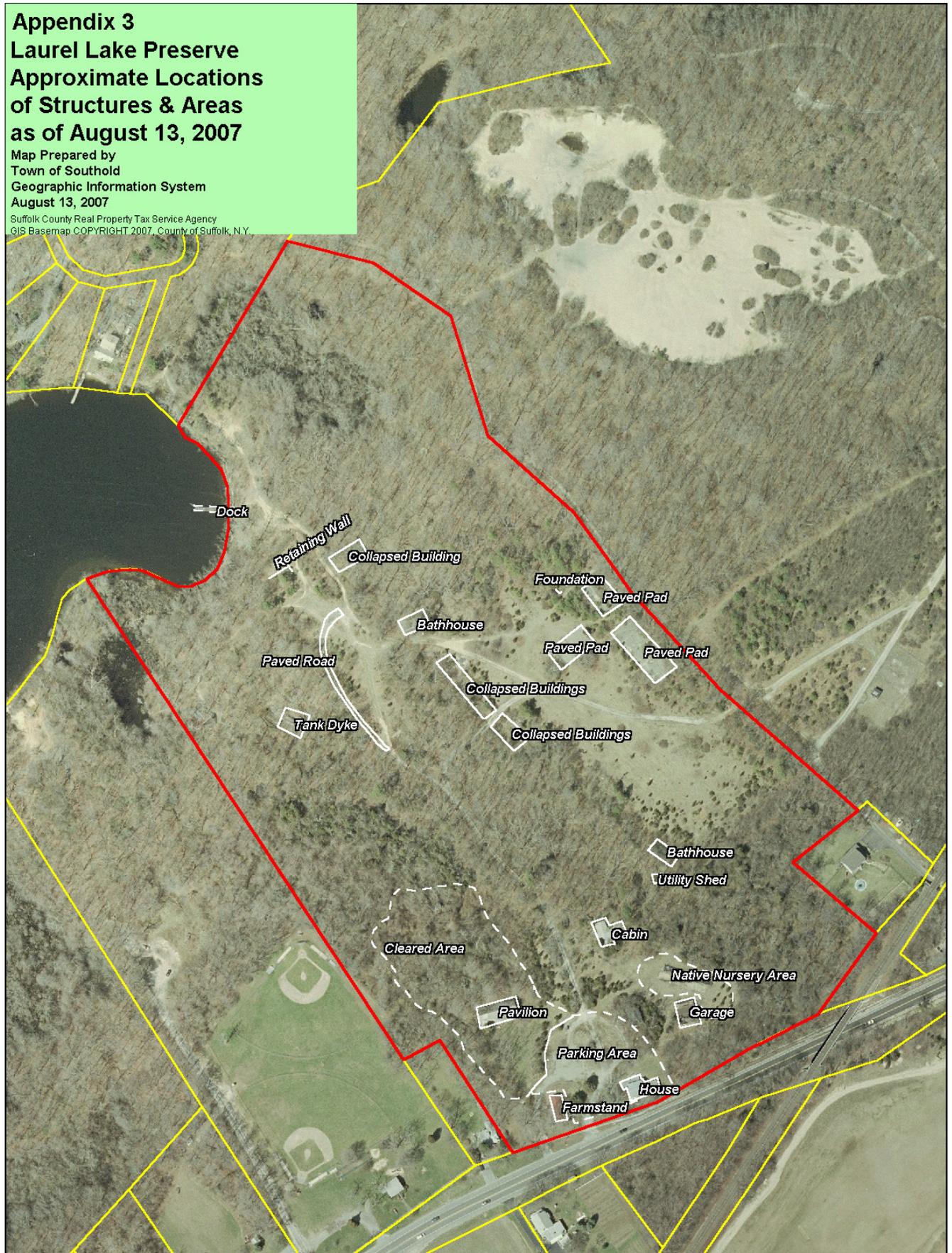
Map Prepared by
Town of Southold
Geographic Information System
August 13, 2007
Suffolk County Real Property Tax Service Agency
GIS Basemap COPYRIGHT 2007, County of Suffolk, N.Y.



Appendix 3 Laurel Lake Preserve Approximate Locations of Structures & Areas as of August 13, 2007

Map Prepared by
Town of Southold
Geographic Information System
August 13, 2007

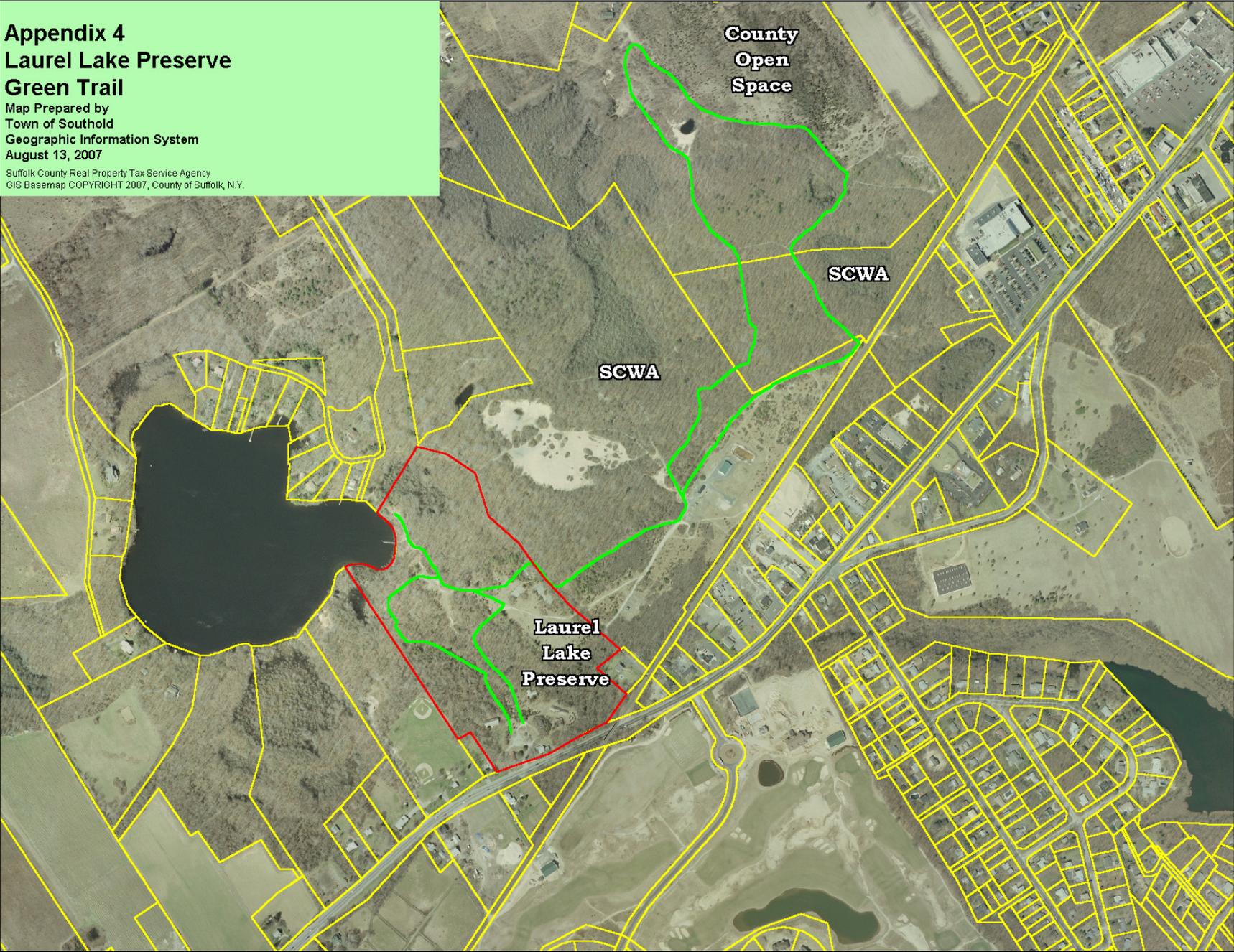
Suffolk County Real Property Tax Service Agency
GIS Basemap COPYRIGHT 2007, County of Suffolk, N.Y.



**Appendix 4
Laurel Lake Preserve
Green Trail**

Map Prepared by
Town of Southold
Geographic Information System
August 13, 2007

Suffolk County Real Property Tax Service Agency
GIS Basemap COPYRIGHT 2007, County of Suffolk, N.Y.



Appendix 5
Fauna List for Laurel Lake Preserve as of Spring 2007
Prepared by Cornell Cooperative Extension

Mammals

- | | |
|---|-------------------------------|
| <input type="checkbox"/> Opossum | <i>Didelphis marsupialis</i> |
| <input type="checkbox"/> Raccoon | <i>Procyon lotor</i> |
| <input type="checkbox"/> Red Fox | <i>Vulpes vulpes</i> |
| <input type="checkbox"/> Eastern Cottontail | <i>Sylvagus floridanus</i> |
| <input type="checkbox"/> Grey Squirrel | <i>Sciurus carolinensis</i> |
| <input type="checkbox"/> Southern Flying Squirrel | <i>Glaucomys volans</i> |
| <input type="checkbox"/> Star-Nosed Mole | <i>Condylura cristata</i> |
| <input type="checkbox"/> Short-Tailed Shrew | <i>Blarina brevicauda</i> |
| <input type="checkbox"/> Little Brown Bat | <i>Myotis lucifugus</i> |
| <input type="checkbox"/> Big Brown Bat | <i>Eptesicus fuscus</i> |
| <input type="checkbox"/> Feral Cat | <i>Felis domestica</i> |
| <input type="checkbox"/> White-Footed Mouse | <i>Peromyscus leucopus</i> |
| <input type="checkbox"/> Deer Mouse | <i>Peromyscus maniculatus</i> |
| <input type="checkbox"/> Muskrat | <i>Ondatra zibethica</i> |
| <input type="checkbox"/> White Tailed Deer | <i>Odocoileus virginianus</i> |
| <input type="checkbox"/> Striped Skunk | <i>Mephitis mephitis</i> |
| <input type="checkbox"/> Woodchuck | <i>Marmota monax</i> |

Reptiles and Amphibians

- | | |
|---|--------------------------------------|
| <input type="checkbox"/> Snapping Turtle | <i>Chelydra serpentina</i> |
| <input type="checkbox"/> Eastern Box Turtle | <i>Terrapine carolina carolina</i> |
| <input type="checkbox"/> Eastern Painted Turtle | <i>Chrysemys picta picta</i> |
| <input type="checkbox"/> Spotted Turtle | <i>Clemmys guttata</i> |
| <input type="checkbox"/> Garter Snake | <i>Thamnophis sirtalis sirtalis</i> |
| <input type="checkbox"/> Brown Snake | <i>Storeria dekayi dekayi</i> |
| <input type="checkbox"/> Northern Water Snake | <i>Nerodia sipedon</i> |
| <input type="checkbox"/> Eastern Hognose Snake | <i>Heterodon platirhinos</i> |
| <input type="checkbox"/> Milk Snake | <i>Lampropeltis triangulum</i> |
| <input type="checkbox"/> Ring-Necked Snake | <i>Diadophis punctatus edwardsii</i> |
| <input type="checkbox"/> Red-Backed Salamander | <i>Plethodon cinereus</i> |
| <input type="checkbox"/> Red-Spotted Newt | <i>Notophthalmus viridescens</i> |
| <input type="checkbox"/> Spring Peeper | <i>Pseudacris crucifer</i> |
| <input type="checkbox"/> Grey Tree Frog | <i>Hyla versicolor</i> |
| <input type="checkbox"/> American Bullfrog | <i>Rana catesbeiana</i> |
| <input type="checkbox"/> Green Frog | <i>Rana clamitans</i> |
| <input type="checkbox"/> Southern Leopard Frog | <i>Rana sphenoccephala</i> |
| <input type="checkbox"/> American Toad | <i>Bufo americanus</i> |
| <input type="checkbox"/> Fowler's Toad | <i>Bufo fowleri</i> |

Birds

- | | |
|--|------------------------------|
| <input type="checkbox"/> American Crow | <i>Corvus brachyrhynchos</i> |
|--|------------------------------|

- Fish Crow
- Blue Jay
- American Robin
- Eastern Bluebird
- American Woodcock
- Wood Thrush
- Red-Bellied Woodpecker
- Downy Woodpecker
- Hairy Woodpecker
- Northern Flicker
- Black-Capped Chickadee
- Tufted Titmouse
- Dark-Eyed Junco
- Yellow-Rumped Warbler
- Northern Cardinal
- Ring-Necked Pheasant
- Ruffed Grouse
- Wild turkey
- Bobwhite Quail
- Canada Goose
- Black Duck
- Mallard
- Wood Duck
- Double-Crested Cormorant
- Great Blue Heron
- Great Egret
- Snowy Egret
- Whippoorwill
- Common Nighthawk
- Belted Kingfisher
- Red-Tailed Hawk
- American Kestrel
- Northern Harrier
- Sharp-Shinned Hawk
- Coopers' s Hawk
- Osprey
- Great Horned Owl
- Eastern Screech Owl

Freshwater Fish

- Largemouth Bass
- Yellow Perch
- Chain Pickerel
- Pumpkinseed
- Bluegill
- Rainbow Trout

- Corvus ossifragus
- Cyanocitta cristata
- Turdus migratorius
- Sialia sialis
- Scolopax minor
- Hylocichia mustelina
- Melanerpes carolinus
- Picoides pubescens
- Picoides villosus
- Colaptes auratus
- Parus atricapillus
- Parus bicolor
- Junco hyemalis
- Dendroica coronata
- Cardinalis cardinalis
- Phasianus colchicus
- Bonasa umbellus
- Meleagris gallopavo
- Collinus virginianus
- Branta canadensis
- Anas rubripes
- Anas platyrhynchos
- Aix sponsa
- Phalacrocorax auritus
- Ardea herodias
- Ardea alba
- Egretta thula
- Caprimulgus vociferus
- Chordeilus minor
- Ceryle alcyon
- Buteo jamaicensis
- Falco sparverius
- Circus cyaneus
- Accipiter striatus
- Accipiter cooperii
- Pandion haliaetus
- Bubo virginianus
- Otus asio

- Micropterus salmoides
- Morone mississippiensis
- Exos niger
- Lepomis gibbosus
- Lepomis macrochirus
- Oncorhynchus mykiss

- Brown Trout
- Brown Bullhead Catfish

Salmo trutta
Ictalurus nebulosus

Appendix 6
Flora List for Laurel Lake Preserve as of Spring 2007
Prepared by Cornell Cooperative Extension

Aceraceae (Maple Family)

- | | |
|--|--------------|
| <input type="checkbox"/> <i>Acer platanoides</i> | Norway Maple |
| <input type="checkbox"/> <i>Acer rubrum</i> | Red Maple |

Anacardiaceae (Sumac Family)

- | | |
|--|-----------------------|
| <input type="checkbox"/> <i>Rhus copallinum</i> | Dwarf or Winged Sumac |
| <input type="checkbox"/> <i>Rhus hirta</i> | Staghorn Sumac |
| <input type="checkbox"/> <i>Toxicodendron radicans</i> | Poison Ivy |

Apiaceae (Carrot Family)

- | | |
|---|--------------------------------|
| <input type="checkbox"/> <i>Cicuta maculata</i> | Spotted Water Hemlock |
| <input type="checkbox"/> <i>Daucus carota</i> | Queen Anne's Lace; Wild Carrot |

Apocynaceae (Dogbane Family)

- | | |
|---|-------------------|
| <input type="checkbox"/> <i>Apocynum cannabinum</i> | Indian Hemp |
| <input type="checkbox"/> <i>Vinca minor</i> | Common Periwinkle |

Aquifoliaceae (Holly Family)

- | | |
|---|----------------|
| <input type="checkbox"/> <i>Ilex glabra</i> | Inkberry |
| <input type="checkbox"/> <i>Ilex opaca</i> | American Holly |
| <input type="checkbox"/> <i>Ilex verticillata</i> | Winterberry |

Araceae (Arum Family)

- | | |
|---|--------------------|
| <input type="checkbox"/> <i>Arisaema triphyllum</i> | Jack-in-the-Pulpit |
|---|--------------------|

Asclepiadaceae (Milkweed Family)

- | | |
|--|--------------------|
| <input type="checkbox"/> <i>Asclepias syriaca</i> | Common Milkweed |
| <input type="checkbox"/> <i>Asclepias tuberosa</i> | Butterfly Milkweed |

Asteraceae (Aster Family)

- | | |
|---|----------------------------|
| <input type="checkbox"/> <i>Achillea millefolium</i> | Common Yarrow |
| <input type="checkbox"/> <i>Ambrosia artemisiifolia</i> | Ragweed |
| <input type="checkbox"/> <i>Artemisia vulgaris</i> | Mugwort |
| <input type="checkbox"/> <i>Baccharis halimifolia</i> | Groundsel-tree |
| <input type="checkbox"/> <i>Bidens frondosa</i> | Devils's Beggar-ticks |
| <input type="checkbox"/> <i>Cirsium arvense</i> | Canada Thistle |
| <input type="checkbox"/> <i>Cirsium vulgare</i> | Bull Thistle |
| <input type="checkbox"/> <i>Eupatorium perfoliatum</i> | Thoroughwort; Boneset |
| <input type="checkbox"/> <i>Euthamia graminifolia</i> | Lance-leaved Goldenrod |
| <input type="checkbox"/> <i>Euthamia tenuifolia</i> | Slender Fragrant Goldenrod |
| <input type="checkbox"/> <i>Hieracium caespitosum</i> | Meadow Hawkweed |
| <input type="checkbox"/> <i>Hieracium sp.</i> | Hawkweed |

- | | |
|---|-----------------------------|
| <input type="checkbox"/> Hypochaeris radicata | Hairy Catsear |
| <input type="checkbox"/> Lactuca serriola | Prickly Lettuce |
| <input type="checkbox"/> Leontodon autumnalis | Fall Dandelion |
| <input type="checkbox"/> Mikania scandens | Climbing Hempweed |
| <input type="checkbox"/> Solidago canadensis | Canada Goldenrod |
| <input type="checkbox"/> Solidago rugosa | Wrinkled Goldenrod |
| <input type="checkbox"/> Symphyotrichum dumosum | Bushy Aster |
| <input type="checkbox"/> Symphyotrichum ericoides | Heath Aster |
| <input type="checkbox"/> Symphyotrichum lanceolatum | White Panicle Aster |
| <input type="checkbox"/> Symphyotrichum pilosum | Hairy White Old-field Aster |
| <input type="checkbox"/> Taraxacum officinale | Common Dandelion |

Balsaminaceae (Touch-Me-Not Family)

- | | |
|---|-----------|
| <input type="checkbox"/> Impatiens capensis | Jewelweed |
|---|-----------|

Berberidaceae (Barberry Family)

- | | |
|--|-------------------|
| <input type="checkbox"/> Berberis thunbergii | Japanese Barberry |
|--|-------------------|

Betulaceae (Birch Family)

- | | |
|---|-------------------|
| <input type="checkbox"/> Betula lenta | Black/Sweet Birch |
| <input type="checkbox"/> Betula populifolia | Gray Birch |

Brassicaceae (Mustard Family)

- | | |
|---|---------------------|
| <input type="checkbox"/> Alliaria petiolata | Garlic Mustard |
| <input type="checkbox"/> Brassica rapa | Field Mustard; Rape |
| <input type="checkbox"/> Lunaria annua | Money-Plant |

Caprifoliaceae (Honeysuckle Family)

- | | |
|---|----------------------|
| <input type="checkbox"/> Lonicera japonica | Japanese Honeysuckle |
| <input type="checkbox"/> Sambucus nigra ssp <input type="checkbox"/> canadensis | Elderberry |
| <input type="checkbox"/> Viburnum acerifolium | Maple-Leaf Viburnum |
| <input type="checkbox"/> Viburnum dentatum var lucidum | Southern Arrowwood |

Caryophyllaceae (Pink Family)

- | | |
|---|------------------|
| <input type="checkbox"/> Silene latifolia | Bladder Champion |
|---|------------------|

Celastraceae (Bittersweet Family)

- | | |
|---|-------------------|
| <input type="checkbox"/> Celastrus orbiculata | Asian Bittersweet |
|---|-------------------|

Chenopodiaceae (Goosefoot Family)

- | | |
|--|---------------|
| <input type="checkbox"/> Chenopodium album | Lambsquarters |
|--|---------------|

Clethraceae (Clethra Family)

- | | |
|--|------------------|
| <input type="checkbox"/> Clethra alnifolia | Sweet Pepperbush |
|--|------------------|

Clusiaceae (Mangosteen family)

- | | |
|--|-----------------------------|
| <input type="checkbox"/> Hypericum canadense | Lesser Canada St. Johnswort |
|--|-----------------------------|

<input type="checkbox"/> <i>Hypericum perforatum</i>	Common St. Johnswort
Commelinaceae (Spiderwort Family)	
<input type="checkbox"/> <i>Commelina communis</i>	Asian Dayflower
Convolvulaceae (Morning-glory Family)	
<input type="checkbox"/> <i>Convolvulus</i> sp.	Bindweed
Cornaceae (Dogwood Family)	
<input type="checkbox"/> <i>Cornus florida</i>	Flowering Dogwood
Cupressaceae (Cypress Family)	
<input type="checkbox"/> <i>Juniperus virginiana</i> Eastern	Red Cedar
<input type="checkbox"/> <i>Thuja occidentalis</i>	Arborvitae
Cyperaceae (Sedge Family)	
<input type="checkbox"/> <i>Carex crinita</i>	Fringed Sedge
<input type="checkbox"/> <i>Carex stricta</i>	Upright Sedge
<input type="checkbox"/> <i>Cyperus</i> sp	Flat Sedge
Dennstaedtiaceae (Bracken Fern Family)	
<input type="checkbox"/> <i>Dennstaedtia punctilobula</i>	Hay-Scented Fern
Dryopteridaceae (Wood Fern Family)	
<input type="checkbox"/> <i>Onoclea sensibilis</i>	Sensitive Fern
Elaeagnaceae (Oleaster Family)	
<input type="checkbox"/> <i>Elaeagnus umbellata</i>	Autumn Olive
Ericaceae (Heath Family)	
<input type="checkbox"/> <i>Epigaea repens</i>	Trailing Arbutus
<input type="checkbox"/> <i>Kalmia angustifolia</i>	Sheep Laurel
<input type="checkbox"/> <i>Kalmia latifolia</i>	Mountain Laurel
<input type="checkbox"/> <i>Rhododendron viscosum</i>	Swamp Azalea
<input type="checkbox"/> <i>Vaccinium angustifolium</i>	Low-bush Blueberry
<input type="checkbox"/> <i>Vaccinium corymbosum</i>	High-bush Blueberry
Fabaceae (Pea Family)	
<input type="checkbox"/> <i>Baptisia tinctoria</i>	Wild Indigo; Horsefly Weed
<input type="checkbox"/> <i>Lespedeza capitata</i>	Bush Clover
<input type="checkbox"/> <i>Lotus corniculatus</i>	Birdfoot Deervetch
<input type="checkbox"/> <i>Robinia pseudoacacia</i>	Black Locust
<input type="checkbox"/> <i>Trifolium pratense</i>	Red Clover
<input type="checkbox"/> <i>Trifolium repens</i>	White Clover
<input type="checkbox"/> <i>Vicia cracca</i>	Bird Vetch

Fagaceae (Beech Family)

- Fagus grandifolia* American Beech
- Quercus alba* White Oak
- Quercus coccinea* Scarlet Oak
- Quercus ilicifolia* Scrub/Bear Oak
- Quercus palustris* Pin Oak
- Quercus stellata* Post Oak
- Quercus velutina* Black Oak

Hamamelidaceae (Witch Hazel Family)

- Hamamelis virginiana* Witch Hazel

Hydrocharitaceae (Tape-grass family)

- Vallisneria americana* Water Celery/American Eelgrass

Juglandaceae (Walnut Family)

- Carya alba* Mockernut Hickory
- Carya cordiformis* Bitternut Hickory

Juncaceae (Rush Family)

- Juncus effusus* Soft Rush
- Juncus sp.* Rush
- Juncus tenuis* Poverty Rush

Lamiaceae (Mint Family)

- Glechoma hederacea* Ground Ivy; Gill-Over-the-Ground
- Lycopus uniflorus* Northern Bugleweed
- Lycopus virginicus* Virginia Water Horehound

Lauraceae (Laurel Family)

- Sassafras albidum* Sassafras

Lentibulariaceae (Bladderwort Family)

- Utricularia macrorhiza* Common Bladderwort

Liliaceae (Lily Family)

- Allium canadense* Wild Garlic
- Maianthemum canadense* Canada Mayflower

Lythraceae (Loosestrife Family)

- Decodon verticillatus* Waterwillow; Swamp Loosestrife
- Lythrum salicaria* Purple Loosestrife

Monotropaceae (Indian Pipe Family)

- Monotropa uniflora* Indian Pipe; Corpse-plant

Myricaceae (Bayberry Family)

- *Morella pensylvanica*
- *Myrica gale*

Northern Bayberry
Sweet Gale

Nymphaeaceae (Waterlily Family)

- *Nymphaea odorata*

American White Waterlily

Nyssaceae (Sour Gum Family)

- *Nyssa sylvatica*

Blackgum; Tupelo

Oleaceae (Olive Family)

- *Forsythia* sp.
- *Ligustrum vulgare*

Forsythia
Privet

Onagraceae (Evening Primrose Family)

- *Ludwigia palustris*
- *Oenothera biennis*

Water Purslane; Marsh Seedbox
Common Evening Primrose

Orobanchaceae (Broom-rape Family)

- *Epifagus virginiana*

Beechdrops

Osmundaceae (Royal Fern Family)

- *Osmunda cinnamomea*

Cinnamon Fern

Oxalidaceae (Wood-Sorrel Family)

- *Oxalis stricta*

Yellow Wood Sorrel

Phytolaccaceae (Pokeweed Family)

- *Phytolacca americana*

Pokeweed

Pinaceae (Pine Family)

- *Picea pungens*
- *Pinus rigida*
- *Pinus strobus*
- *Pinus thunbergii*

Blue Spruce
Pitch Pine
White Pine
Japanese Black Pine

Plantaginaceae (Plantain Family)

- *Plantago lanceolata*
- *Plantago major*
- *Plantago rugelii*

Narrow-leaf Plantain
Common Plantain
Blackseed Plantain

Poaceae (Grass Family)

- *Andropogon virginicus*
- *Dactylis glomerata*
- *Digitaria sanguinalis*
- *Glyceria grandis*

Broomsedge
Orchard Grass
Large or Hairy Crabgrass
American Mannagrass

- Panicum virgatum
- Pennisetum glaucum
- Phleum pratense
- Phragmites australis
- Poa pratensis
- Schizachyrium scoparium

Switchgrass
 Yellow Foxtail; Pearl Millet
 Timothy
 Common Reed
 Kentucky Bluegrass
 Little Bluestem Grass

Polygalaceae (Milkwort Family)

- Polygala verticillata

Whorled Milkwort

Polygonaceae (Buckwheat Family)

- Polygonum arifolium
- Polygonum cuspidatum
- Polygonum pensylvanicum
- Polygonum persicaria
- Polygonum sagittatum
- Polygonum sp
- Rumex acetosa
- Rumex crispus

Halberd-leaved Tearthumb
 Japanese Knotweed
 Pennsylvania Smartweed
 Spotted Lady's Thumb
 Arrow-leaved Tearthumb
 Knotweed
 Garden Sorrel
 Curly Dock

Potamogetonaceae (Pondweed Family)

- Stuckenia pectinatus

Sago Pondweed

Pyrolaceae (Shinleaf Family)

- Chimaphila maculata

Striped or Spotted Wintergreen

Rosaceae (Rose Family)

- Amelanchier sanguinea
- Fragaria vesca
- Prunus serotina
- Prunus virginiana
- Rosa multiflora
- Rosa palustris
- Rubus hispidus
- Rubus sp.

Round-leaved Serviceberry
 Woodland Strawberry
 Wild Black Cherry
 Choke Cherry
 Multiflora Rose
 Swamp Rose
 Bristly Dewberry
 Brambles, Blackberry, Raspberry

Rubiaceae (Madder Family)

- Cephalanthus occidentalis

Buttonbush

Salicaceae (Willow Family)

- Populus tremuloides
- Salix alba
- Salix nigra
- Salix sp.

Quaking Aspen
 White Willow
 Black Willow
 Willow

Simaroubaceae (Quassia Family)

□ *Ailanthus altissima*

Ailanthus; Tree of Heaven

Smilacaceae (Catbrier Family)

□ *Smilax bona-nox*

Saw Greenbrier

□ *Smilax glauca*

Cat Greenbrier

□ *Smilax rotundifolia*

Roundleaf Greenbrier; Bullbrier

Solanaceae (Potato Family)

□ *Solanum dulcamara*

Climbing Nightshade

Sphagnaceae (Peat Moss Family)

□ *Sphagnum* sp.

Sphagnum Moss

Thelypteridaceae (Marsh Fern Family)

□ *Thelypteris noveboracensis*

New York Fern

□ *Thelypteris palustris*

Marsh Fern

□ *Thelypteris simulata*

Bog/Massachusetts Fern

Typhaceae (Cattail Family)

□ *Typha latifolia*

Broadleaf Cattail

Violaceae (Violet Family)

□ *Viola sororia*

Common Blue Violet

Vitaceae (Grape Family)

□ *Parthenocissus quinquefolia*

Virginia Creeper

□ *Vitis labrusca*

Fox Grape

Appendix 7

Laurel Lake Area Bird Species Listing as of August 2007 based on eBird observations beginning in 2003

Compiled by North Fork Audubon Society

Species (BOLD entries denote probable breeders)	Current Conservation Status
Mute Swan	
American Wigeon	
American Black Duck	Audubon Watch List Yellow
Mallard	
Ring-necked Duck	
Greater Scaup	
Bufflehead	
Ruddy Duck	
Wild Turkey	
Northern Bobwhite	
Pied-billed Grebe	Threatened
Double-crested Cormorant	
Great Egret	
Green Heron	
Osprey	Special Concern
Cooper's Hawk	Special Concern
Red-tailed Hawk	
American Coot	
Solitary Sandpiper	
Spotted Sandpiper	
American Woodcock	Audubon Watch List Yellow
Herring Gull	
Great Black-backed Gull	
Rock Pigeon	
Mourning Dove	
Black-billed Cuckoo	
Yellow-billed Cuckoo	
Great Horned Owl	
Chimney Swift	
Belted Kingfisher	
Red-bellied Woodpecker	
Downy Woodpecker	
Hairy Woodpecker	
Northern Flicker	
Eastern Wood-Pewee	
Eastern Phoebe	
Great Crested Flycatcher	
Eastern Kingbird	
White-eyed Vireo	

Species (BOLD entries denote probable breeders)	Current Conservation Status
Blue-headed Vireo	
Warbling Vireo	
Red-eyed Vireo	
Blue Jay	
American Crow	
Fish Crow	
Purple Martin	
Tree Swallow	
Northern Rough-winged Swallow	
Bank Swallow	
Barn Swallow	
Black-capped Chickadee	
Tufted Titmouse	
White-breasted Nuthatch	
Brown Creeper	
Carolina Wren	
House Wren	
Golden-crowned Kinglet	
Ruby-crowned Kinglet	
Blue-gray Gnatcatcher	
Swainson's Thrush	
Wood Thrush	Audubon Watch List Yellow
American Robin	
Gray Catbird	
Northern Mockingbird	
Brown Thrasher	
European Starling	
Cedar Waxwing	
Blue-winged Warbler	Audubon Watch List Yellow
Nashville Warbler	
Northern Parula	
Yellow Warbler	
Black-throated Blue Warbler	
Yellow-rumped Warbler	
Blackburnian Warbler	
Pine Warbler	
Prairie Warbler	Audubon Watch List Yellow
Blackpoll Warbler	
Black-and-white Warbler	
Ovenbird	
Northern Waterthrush	
Common Yellowthroat	
Scarlet Tanager	
Eastern Towhee	
Chipping Sparrow	

Species (BOLD entries denote probable breeders)	Current Conservation Status
Field Sparrow	
Song Sparrow	
Swamp Sparrow	
White-throated Sparrow	
Dark-eyed Junco	
Northern Cardinal	
Rose-breasted Grosbeak	
Indigo Bunting	
Red-winged Blackbird	
Common Grackle	
Brown-headed Cowbird	
Orchard Oriole	
Baltimore Oriole	
American Goldfinch	
House Sparrow	

Current Status Notes:

Special Concern: Any native species for which a welfare concern or risk of endangerment has been documented in New York State.(New York State DEC, 2001).

Threatened: Those designated by the DEC as likely to become endangered within the foreseeable future throughout all or a significant portion of their range.

Endangered: Those designated by the DEC as seriously threatened with extinction.

Audubon Watch List YELLOW: This category includes those species that are declining but at a slower rate than those in the red category. These typically are species of national conservation concern.

Audubon Watch List RED: Species in this category are declining rapidly, have very small populations or limited ranges, and face major conservation threats. These typically are species of global conservation concern.

**Appendix 8
Suffolk County Water Authority License Agreement**

RESOLUTION 2006-419

ADOPTED

DOC ID: 1813

THIS IS TO CERTIFY THAT THE FOLLOWING RESOLUTION NO. 2006-419 WAS ADOPTED AT THE REGULAR MEETING OF THE SOUTHOLD TOWN BOARD ON MAY 9, 2006:

RESOLVED that the Town Board of the Town of Southold hereby **authorizes and directs Supervisor Scott A. Russell to execute a License Agreement between the Town of Southold and the Suffolk County Water Authority** in connection with the Laurel Lake Preservation & Trail Plan, all in accordance with the approval of the Town Attorney.

Elizabeth A. Neville

**Elizabeth A. Neville
Southold Town Clerk**

RESULT: ADOPTED [UNANIMOUS]
MOVER: Thomas H. Wickham, Councilman
SECONDER: Louisa P. Evans, Justice
AYES: Krupski Jr., Edwards, Ross, Wickham, Evans, Russell

LICENSE

This Agreement made this ___ day of 2006 between the Suffolk County Water Authority, a public benefit corporation, with its principal place of business at 4060 Sunrise Highway, Oakdale, New York, 11769, (hereinafter "SCWA") and the Town of Southold, a municipal corporation, with its principal place of business at 53095 Main Road, Southold, New York, 11971, (hereinafter "Southold" or "Town").

Whereas, the SCWA owns lands in the vicinity of Laurel Lake in the Town of Southold, which are used for public water supply purposes, (the "SCWA Property"), and

Whereas, the Town owns property adjoining the SCWA Property in the vicinity of Laurel Lake which are used for passive recreational purposes, including a recreational hiking and equestrian purposes, (the "Town Property") and

Whereas, the SCWA agrees to permit, on the following terms and conditions, the extension of the Town's trail system onto the SCWA Property as shown on Exhibit A attached hereto and made a part hereof, and

Whereas, the SCWA wishes to grant a license to the Town to achieve the purposes of this Agreement,

Now therefore, in consideration of the premises and the mutual covenants and conditions herein contained, it is agreed by the parties hereto, as follows:

1. Interest Conveyed:

This instrument shall be deemed to be a revocable license from the SCWA to the Town for the purposes set forth herein. The license shall not be construed to convey any interest in real property and it shall not be deemed to be a license coupled with an interest.

2. Term:

The License shall be a perpetual license commencing from the date of execution of this Agreement unless sooner terminated as provided in Section 7.

3. Insurance:

Prior to undertaking any activities contemplated by this Agreement, the Town shall provide SCWA with evidence of the following insurance coverages. Insurance coverage shall be provided by an insurance company licensed as an "admitted carrier" by the New York State Insurance Department and rated by "Bests" at "A-" or better, or as otherwise deemed acceptable by the SCWA.

Insurance coverage shall be evidenced by a Certificate of Insurance submitted in a form acceptable to the SCWA. "Accord" or other blank certificates may not be acceptable. The SCWA may request a letter of transmittal from the insurance company providing coverage indicating that the certificate is issued correctly and pursuant to their authorization.

Thirty (30) days notice of cancellation, non-renewal or reduction of coverage is required. The insuring company shall not be released from liability or obligation for its failure to notify the SCWA.

Contractual Liability Insurance as specified in paragraph B to follow, shall be provided to insure this agreement.

The interest of the SCWA, as additional insured and as primary insurance with no responsibility for payment of premium shall be added to all policies other than Workers' Compensation.

Coverage shall be obtained, and maintained throughout the life of the Contract as follows:

- A. Automobile Liability: (if any vehicles are used by the Licensee in performance of this Agreement)

\$1,000,000 Combined Single Limit for Bodily Injury and Property Damage Liability, New York State Personal Injury Protection.

- B. General Liability:

Form: Comprehensive General Liability

Limit: \$1,000,000 per occurrence/\$2,000,000 general aggregate.
\$1,000,000 for Products/Completed Operations
\$1,000,000 for Personal Injury

- C. Workers' Compensation:

As required by the Workers' Compensation Law of the State of New York

- D. Excess Liability:

Excess Liability Limits of \$5,000,000 on a form, which follows the underlying coverage.

The SCWA must be notified of any impairment of any of the above limits at the inception of or during the contract.

Subcontractors shall adhere to the above.

All certificates of insurance shall contain the following provisions:

- (1) Nature of work described on certificate (in case of liability or compensation certificates) shall be inclusive of work provided for under this project.
- (2) Location of work described shall be inclusive of the location of the work provided under this project.
- (3) The period of certificates shall cover the period of the work or a new certificate shall be furnished before the current certificate expires.

If the Town has a self-insurance program under which it acts as a self-insurer for any of such required coverage, it may provide self-funded coverage and certificates or other evidence of such self-insurance in lieu of insurance issued by insurance companies, subject to approval of the SCWA.

SCWA shall be the sole judge in determining the acceptability of insurance requirements. SCWA retains the right to adjust the coverages required herein from time to time.

4. Indemnification:

The Town shall defend, indemnify, and save harmless, to the extent permitted by law, SCWA, its officers, agents, servants, and employees against and from all suits, losses, demands, actions, recoveries, judgments, and costs of every kind and description and from all damages to which the SCWA, or any of its officers, agents, servants, employees may be subjected by reason of injury to person or property of others resulting from the Town's use of this License, or through any act or omission on the part of the Town, of its agents, employees, or servants.

5. Town Obligations:

- A. Design of Trail System: The Town shall design, construct and develop, all at its own cost and expense, a "loop" trail system surrounding Laurel Lake incorporating the SCWA Property. The Town shall submit to the SCWA for preliminary approval, which shall not be unreasonably withheld, a map indicating the proposed location of all trails and signs proposed for the SCWA Property, the detailed

specifications concerning the proposed trail, (such as, but not limited to, type, width amount of clearing required), the methods and equipment, proposed to be used in constructing the trail and a representative sample of the signs. After receiving the SCWA's preliminary approval, the Town shall identify the proposed trails in the field with flagging or other suitable material for the SCWA's inspection and final approval, which shall not be unreasonably withheld. The Town shall relocate any portion of the proposed trail upon request of the SCWA. The Town shall endeavor to link existing disturbed areas when designing the trails on the SCWA Property and avoid environmentally sensitive areas. Equestrian trails shall be a minimum of one hundred fifty (150) feet away from SCWA facilities.

- B. **Development of Trail System:** Upon receipt of the SCWA's final written approval of the proposed trail system, the Town, at its own cost and expense, shall construct the same. The trails shall be designed, constructed and maintained according to the specifications of the United States Department of Agriculture's Forest Service. Suitable materials, such as wood chips, mulch or gravel, may be installed within the trails but no impervious materials may be installed. All materials introduced to the SCWA Property shall be of good quality, clean and free of contamination of any kind.
- C. **Use of Trail System:** The trail system shall be exclusively for pedestrian use and/or equestrian use shall not be restricted and it shall be open equally for all. The trail shall be open only during daylight hours. Hunting shall not be permitted on the SCWA Property. The Town shall not permit hunters accessing areas where hunting is permitted by the Town to access the SCWA Property or the trail thereon.
- D. **Maintenance of Trail System:** The Town shall maintain, at its own cost and expense, the trail system installed on the SCWA Property in a clean and safe manner at all times.
- E. **Workers:** Town employees contractors and volunteers may perform work on the trail system. Town employees and volunteers working on SCWA Property must be covered by the Town's workers compensation program and the Town agrees not to look to the SCWA for payment for the compensation benefits related to the Town employees or volunteers. The Town shall directly supervise any volunteers working under the Premises and the volunteers shall not be permitted to use any power equipment.
- F. **Relocation of Trail:** The Town shall relocate any portion of the trail within a reasonable time, generally not more than 3 months, of receipt of written notice from

the SCWA requesting the same. In the event of emergency, the Town shall immediately block access to the trail upon notification from the SCWA. SCWA may block access to any portion of the trail in an emergency event. In such event, SCWA shall use its reasonable efforts to provide notice to the Town of the emergency.

- G. Regulatory Compliance: The Town shall comply with all Federal, State and local laws, rules and regulations in designing, constructing, operating, repairing and maintaining the trail and shall indemnify SCWA pursuant to Section 4 for failure to do so.

6. Termination:

This Agreement may be terminated by either party upon 60 days written notice. In the event the Agreement is canceled, the Town shall install barricades or obstacles to prevent access to the trails installed on the SCWA Property. Any signs installed depicting trails on the SCWA Property shall be replaced with signs that do not indicate access to the SCWA Property.

7. Default:

Failure to perform any requirement under this Agreement shall constitute a default.

8. Contact Information

All notices under this agreement shall be directed by first class mail as follows:

If to the Town: Town of Southold
Supervisor's Office
53095 Main Road
Southold, New York 11971
(631) 765-1800

If to SCWA: Suffolk County Water Authority
Legal Department
4060 Sunrise Highway
Oakdale, NY 11769
(631) 589-5200

- 9. This Agreement shall be governed by the substantive and procedural laws of the State of New York.

11. Regardless of any contrary rule of construction, no provision of this Agreement shall be construed in favor of one of the parties because it was drafted by the other party's attorney. No alleged ambiguity in this Agreement shall be construed against the party whose attorney drafted it.
12. This Agreement may only be changed in writing signed by both parties.
13. This Agreement is not assignable without written approval of the proposed assignment by the non-assigning party.

IN WITNESS WHEREOF, the parties have interchangeably set their seals (or caused these presents to be signed by their proper corporate officers and caused their proper corporate seals to be hereto affixed) on the day and year first written above.

WITNESS

Town of Southold

Suffolk County Water Authority

By: *[Signature]*
 Title: *Superior*

By: *[Signature]*
 Stephen M. Jones, CEO

State of New York)
) ss.:
 County of Suffolk)

State of New York)
) ss.:
 County of Suffolk)

On the 29 day of Sept. in the year 2006 before me, the undersigned, a Notary Public personally appeared Scott Russell, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

On the 22 day of September in the year 2006 before me, the undersigned, a Notary Public personally appeared Stephen M. Jones, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

[Signature]
 Notary Public

[Signature]
 Notary Public

BONNIE J. DOROSKI
 Notary Public, State Of New York
 No. 01D06095328, Suffolk County
 Term Expires July 7, 20 07

KIMBERLY A. KENNEDY
 Notary Public, State of New York
 Qualified in Suffolk County
 #01KE6031001
 Commission Expires September 20, 2007

**Town of Southold
Laurel Lake Trails on SCWA Property**

Map Prepared by
Town of Southold
Geographic Information System
September 12, 2006

Suffolk County Real Property Tax Service Agency
GIS Basemap COPYRIGHT 2006, County of Suffolk, N.Y.

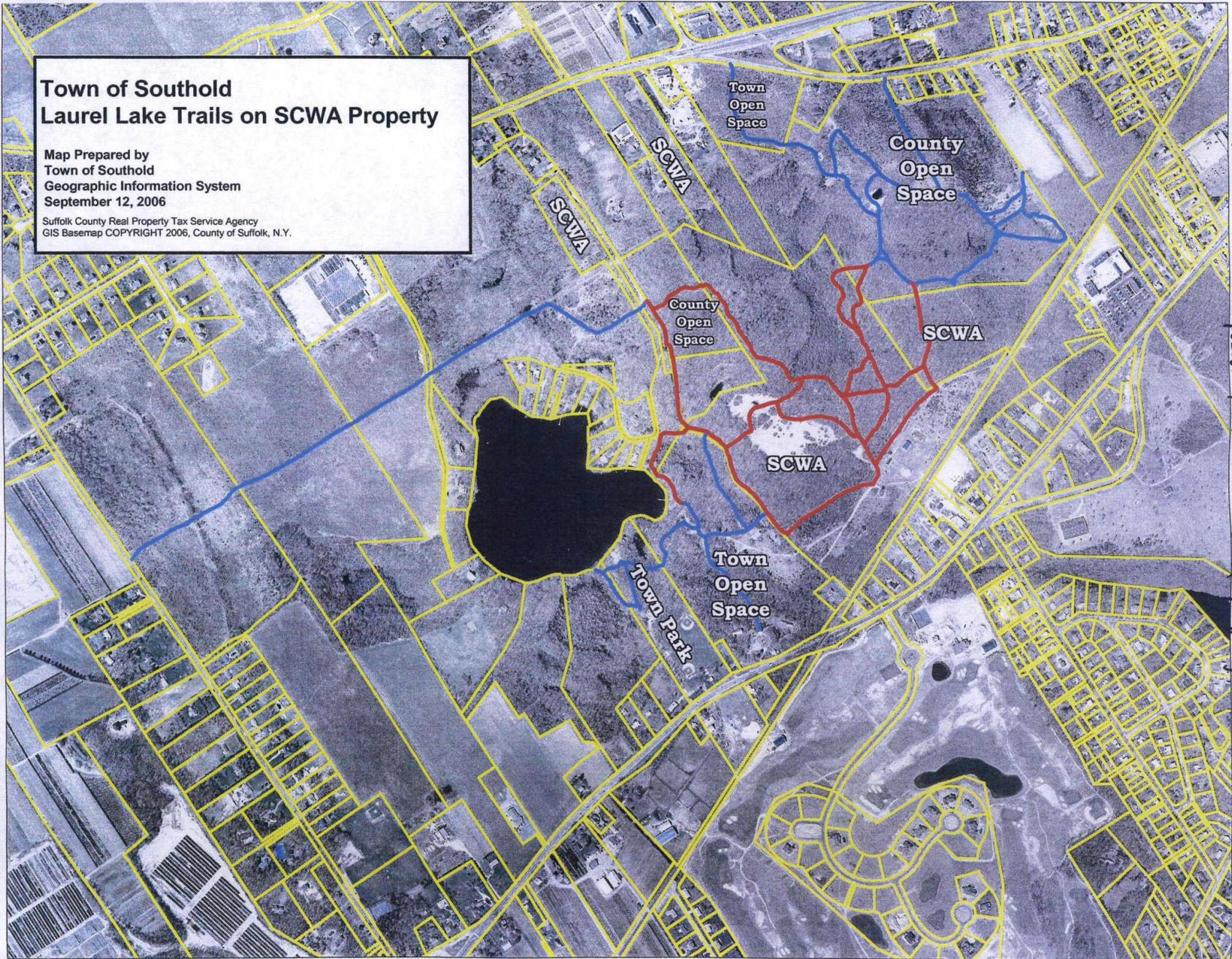


Exhibit A - Proposed trails on SCWA property shown in Red.