

Town of Southold

Stewardship Management Plan for Arshamomaque Pond Preserve

Latest Revision: June 6, 2010

Adopted by the Town Board on June 29th, 2010 by resolution 2010-475.

Properties included in plan (see Appendix 2):

SCTM#	Location	Project	Funding	Acquisition Pursuant To
1000-56.-4-16	63445 Route 25	Aurichio	Open Space Capital	Chapter 185
1000-56.-1-10.1	2205 Mill Path	Adams	CPF	Chapter 185
1000-56.-4-4	61725 Route 25	Fred	Open Space Capital	Chapter 185
1000-56.-1-6	2475 Mill Path	Neuer/Sutermeister	CPF	Chapter 185

Purposes of Property Acquisitions

These properties were purchased for the purposes of passive recreational/educational uses, the protection and restoration of natural resources and the natural scenic views of the properties. Proposed uses of the properties included the establishment of a nature preserve, passive recreational trails and limited parking for access to the properties.

Prohibited Activities

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

Use of motorized vehicles and equipment is prohibited with the exceptions of: vehicles and equipment necessary for approved stewardship work; emergency/public safety vehicles; motorized wheelchairs/scooters for the handicapped; and registered vehicles used by visitors to access the designated parking area on the preserve for parking purposes only.

The creation of new trails 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.

Camping, fires, bonfires.

Sports whether organized or “pick up” in nature.

Paintball and other similar war games.

Town Approval of Activities

No activities related to the purposes of the property acquisitions are allowed on the properties 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 Land Preservation Committee.

Allowed Activities

Section I Public Uses

Access shall be from dawn to dusk unless posted otherwise or approved per the Town Approval of Activities section above.

Hiking, jogging, walking.

Fishing and shellfishing.

Cross country skiing.

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

Star gazing.

Deer hunting per the Town's official Deer Management Program.

Participation in the General Activities outlined below.

Section II General Activities

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

Invasive species control and removal provided a formal invasive species plan using Best Management Practices is approved, made part of this management plan and followed. The invasive species plan 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 provided such clean up does not damage the properties.

Section III Infrastructure

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

A pervious parking area constructed of crushed stone or a similar material is allowed at the trail head located on Route 25 as depicted on the attached map and may be maintained as needed.

A gate to prevent vehicular access to the preserve beyond the parking area is allowed as depicted on the attached map.

The trails as depicted on the attached trail map shall be maintained as the official trail system. The trails shall be maintained so that they are approximately 4 to 6 feet wide and passable with vegetation not to exceed six inches in height. As needed the trails may be mowed and trimmed, fallen branches/trees that block or partially block the trail may be removed, sections of the trails that have been damaged may be restored and leveled using soil or wood chips, areas of the trails subject to becoming wet and muddy may be covered with a layer of wood chips. Wood chips may also be used to reduce or eliminate the need for regular mowing of the trails. Trail maintenance will be kept to the minimum necessary to maintain the trails in the condition described above.

A boardwalk may be constructed in the location noted on the attached trail map due to frequent flooding of this section of the trail.

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.

Appendices

1. Trail System Map
2. Properties Included In Plan
3. Fauna Inventory
4. Flora Inventory
5. Arshamomaque Preserve Bird Species Listing

Appendix 1 Arshamomaque Pond Preserve Trail System

Map Prepared by
Town of Southold
Geographic Information System
October 7, 2008

Suffolk County Real Property Tax Service Agency
GIS Basemap COPYRIGHT 2008, County of Suffolk, N.Y.



Appendix 2
Arshamomaque Pond Preserve
Properties Included in Plan

Map Prepared by
Town of Southold
Geographic Information System
April 14, 2010

Suffolk County Real Property Tax Service Agency
GIS Basemap COPYRIGHT 2009, County of Suffolk, N.Y.



Appendix 3

Fauna List for Arshamomaque Pond Preserve

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> |

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"/> Diamond Back Terrapin | <i>Malaclemys terrapin terrapin</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"/> 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> |
| <input type="checkbox"/> Fish Crow | <i>Corvus ossifragus</i> |
| <input type="checkbox"/> Blue Jay | <i>Cyanocitta cristata</i> |

- American Robin
- Eastern Bluebird
- 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
- Bobwhite Quail
- Canada Goose
- Black Duck
- Mallard
- Wood Duck
- Double-Crested Cormorant
- Great Blue Heron
- Great Egret
- Snowy Egret
- Whippoorwill
- Common Nighthawk
- Ring-Billed Gull
- Great Black-Backed Gull
- Herring Gull
- Least Tern
- Common Tern
- Belted Kingfisher
- Red-Tailed Hawk
- American Kestrel
- Northern Harrier
- Sharp-Shinned Hawk
- Coopers's Hawk
- Osprey
- Great Horned Owl
- Eastern Screech Owl
- Turdus migratorius*
- Sialia sialis*
- Hylocichia mustelina*
- Melanerpes carolinus*
- Picoides pubescens*
- Picoides villosus*
- Colaptes auratus*
- Parus atricapillus*
- Parus bicolor*
- Junco hyemalis*
- Dendroica coronata*
- Cardinalis cardinalis*
- Phasianus colchicus*
- Bonasa umbellus*
- Collinus virginianus*
- Branta canadensis*
- Anas rubripes*
- Anas platyrhynchos*
- Aix sponsa*
- Phalacrocorax auritus*
- Ardea herodias*
- Ardea alba*
- Egretta thula*
- Caprimulgus vociferus*
- Chordeilus minor*
- Larus delawarensis*
- Larus marinus*
- Larus argentatus*
- Sterna antillarum*
- Sterna hirundo*
- Ceryle alcyon*
- Buteo jamaicensis*
- Falco sparverius*
- Circus cyaneus*
- Accipiter striatus*
- Accipiter cooperii*
- Pandion haliaetus*
- Bubo virginianus*
- Otus asio*

Appendix 4
Flora List for Arshamomaque Pond Preserve
Prepared by Cornell Cooperative Extension

Aceraceae (Maple Family)

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

Anacardiaceae (Sumac Family)

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

Apiaceae (Carrot Family)

- | | |
|--|--------------------------------|
| <input type="checkbox"/> Daucus carota | Queen Anne's Lace; Wild Carrot |
|--|--------------------------------|

Aquifoliaceae (Holly Family)

- | | |
|-------------------------------------|----------------|
| <input type="checkbox"/> Ilex opaca | American Holly |
|-------------------------------------|----------------|

Asclepiadaceae (Milkweed Family)

- | | |
|--|-----------------|
| <input type="checkbox"/> Asclepias incarnate | Swamp Milkweed |
| <input type="checkbox"/> Asclepias syriaca | Common Milkweed |

Asteraceae (Aster Family)

- | | |
|---|---------------------------------|
| <input type="checkbox"/> Achillea millefolium | Common Yarrow |
| <input type="checkbox"/> Ambrosia artemisiifolia | Ragweed |
| <input type="checkbox"/> Arctium minus | Lesser Burdock |
| <input type="checkbox"/> Artemisia vulgaris | Mugwort |
| <input type="checkbox"/> Baccharis halimifolia | Groundsel-tree |
| <input type="checkbox"/> Bidens frondosa | Devils's Beggartick |
| <input type="checkbox"/> Cirsium vulgare | Bull Thistle |
| <input type="checkbox"/> Hieracium venosum | Rattlesnake Weed |
| <input type="checkbox"/> Hypochaeris radicata | Hairy Catsear |
| <input type="checkbox"/> Iva frutescens | High-tide Bush; Saltmarsh-elder |
| <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 sempervirens | Seaside Goldenrod |
| <input type="checkbox"/> Symphyotrichum tenuifolium | Perennial Salt-marsh 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"/> <i>Berberis thunbergii</i>	Japanese Barberry
Betulaceae (Birch Family)	
<input type="checkbox"/> <i>Betula lenta</i>	Black/Sweet Birch
<input type="checkbox"/> <i>Betula populifolia</i>	Gray Birch
Brassicaceae (Mustard Family)	
<input type="checkbox"/> <i>Alliaria petiolata</i>	Garlic Mustard
<input type="checkbox"/> <i>Brassica rapa</i>	Field Mustard; Rape
<input type="checkbox"/> <i>Lunaria annua</i>	Money-Plant
Caprifoliaceae (Honeysuckle Family)	
<input type="checkbox"/> <i>Lonicera japonica</i>	Japanese Honeysuckle
<input type="checkbox"/> <i>Viburnum acerifolium</i>	Maple-Leaf Viburnum
<input type="checkbox"/> <i>Viburnum dentatum</i> var. <i>lucidum</i>	Southern Arrowwood
Caryophyllaceae (Pink Family)	
<input type="checkbox"/> <i>Silene latifolia</i>	Bladder Campion
Celastraceae (Bittersweet Family)	
<input type="checkbox"/> <i>Celastrus orbiculata</i>	Asian Bittersweet
Chenopodiaceae (Goosefoot Family)	
<input type="checkbox"/> <i>Salicornia maritima</i>	Slender Glasswort; Saltwort
<input type="checkbox"/> <i>Salicornia</i> sp.	Pickleweed
Clethraceae (Clethra Family)	
<input type="checkbox"/> <i>Clethra alnifolia</i>	Sweet Pepperbush
Commelinaceae (Spiderwort Family)	
<input type="checkbox"/> <i>Commelina communis</i>	Asian Dayflower
Cupressaceae (Cypress Family)	
<input type="checkbox"/> <i>Juniperus virginiana</i>	Eastern Red Cedar
Cyperaceae (Sedge Family)	
<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>Pteridium aquilinum</i>	Bracken
Dryopteridaceae (Wood Fern Family)	
<input type="checkbox"/> <i>Onoclea sensibilis</i>	Sensitive Fern
<input type="checkbox"/> <i>Polystichum acrostichoides</i>	Christmas Fern
Elaeagnaceae (Oleaster Family)	
<input type="checkbox"/> <i>Elaeagnus umbellata</i>	Autumn Olive

Ericaceae (Heath Family)

- Kalmia latifolia* Mountain Laurel
- Rhododendron viscosum* Swamp Azalea
- Vaccinium angustifolium* Low-bush Blueberry
- Vaccinium corymbosum* High-bush Blueberry

Fabaceae (Pea Family)

- Robinia pseudoacacia* Black Locust
- Trifolium pretense* Red Clover
- Trifolium repens* White Clover
- Vicia cracca* Bird Vetch

Fagaceae (Beech Family)

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

Geraniaceae (Geranium Family)

- Geranium maculatum* Spotted Geranium

Hamamelidaceae (Witch Hazel Family)

- Hamamelis virginiana* Witch Hazel

Juglandaceae (Walnut Family)

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

Juncaceae (Rush Family)

- Juncus gerardii* Black Rush
- Juncus sp.* Rush
- Juncus tenuis* Old Path Rush

Lauraceae (Laurel Family)

- Sassafras albidum* Sassafras

Liliaceae (Lily Family)

- Allium canadense* Wild Garlic
- Maianthemum canadense* Canada Mayflower
- Maianthemum racemosum* False Solomon's Seal

Lythraceae (Loosestrife Family)

- Decodon verticillatus* Waterwillow; Swamp Loosestrife

Malvaceae (Mallow Family)

- Hibiscus moscheutos* Crimson-eyed Rose-mallow

<input type="checkbox"/> <i>Hibiscus moscheutos</i> ssp. <i>Moscheutos</i>	Swamp Rose-mallow
Monotropaceae (Indian Pipe Family)	
<input type="checkbox"/> <i>Monotropa uniflora</i>	Indian Pipe; Corpse-plant
Myricaceae (Bayberry Family)	
<input type="checkbox"/> <i>Morella pensylvanica</i>	Northern Bayberry
Nyssaceae (Sour Gum Family)	
<input type="checkbox"/> <i>Nyssa sylvatica</i>	Blackgum; Tupelo
Oleaceae (Olive Family)	
<input type="checkbox"/> <i>Ligustrum vulgare</i>	Privet
Osmundaceae (Royal Fern Family)	
<input type="checkbox"/> <i>Osmunda cinnamomea</i>	Cinnamon Fern
Oxalidaceae (Wood-Sorrel Family)	
<input type="checkbox"/> <i>Oxalis stricta</i>	Yellow Wood Sorrel
Pinaceae (Pine Family)	
<input type="checkbox"/> <i>Pinus strobus</i>	White Pine
<input type="checkbox"/> <i>Pinus thunbergiana</i>	Japanese Black Pine
Plantaginaceae (Plantain Family)	
<input type="checkbox"/> <i>Plantago major</i>	Common Plantain
Plumbaginaceae (Leadwort Family)	
<input type="checkbox"/> <i>Limonium carolinianum</i>	Sea Lavender
Poaceae (Grass Family)	
<input type="checkbox"/> <i>Andropogon virginicus</i>	Broomsedge
<input type="checkbox"/> <i>Dichanthelium clandestinum</i>	Deer-Tongue Grass
<input type="checkbox"/> <i>Distichlis spicata</i>	Spikegrass
<input type="checkbox"/> <i>Panicum virgatum</i>	Switchgrass
<input type="checkbox"/> <i>Phragmites australis</i>	Common Reed
<input type="checkbox"/> <i>Schizachyrium scoparium</i>	Little Bluestem Grass
<input type="checkbox"/> <i>Spartina alterniflora</i>	Smooth Cordgrass
<input type="checkbox"/> <i>Spartina patens</i>	Saltmeadow Cordgrass
Polygonaceae (Buckwheat Family)	
<input type="checkbox"/> <i>Polygonum cuspidatum</i>	Japanese Knotweed
<input type="checkbox"/> <i>Polygonum pensylvanicum</i>	Pennsylvania Smartweed
<input type="checkbox"/> <i>Rumex acetosa</i>	Garden Sorrel
<input type="checkbox"/> <i>Rumex crispus</i>	Curly Dock
Pyrolaceae (Shinleaf Family)	
<input type="checkbox"/> <i>Chimaphila maculate</i>	Striped or Spotted Wintergreen

Rosaceae (Rose Family)

- Amelanchier sanguinea Round-leaved Serviceberry; Shadbush
- Fragaria vesca Woodland Strawberry
- Malus sp. Apple; Crabapple
- Prunus serotina Wild Black Cherry
- Rosa multiflora Multiflora Rose
- Rosa palustris Swamp Rose
- Rubus hispidus Bristly Dewberry
- Rubus sp. Brambles, Blackberry, Raspberry

Salicaceae (Willow Family)

- Populus tremuloides Quaking Aspen

Smilacaceae (Catbrier Family)

- Smilax bona-nox Saw Greenbrier
- Smilax rotundifolia Roundleaf Greenbrier; Bullbrier

Sphagnaceae (Peat Moss Family)

- Sphagnum sp. Sphagnum Moss

Thelypteridaceae (Marsh Fern Family)

- Thelypteris palustris Marsh Fern

Tiliaceae (Linden Family)

- Tilia Americana American Basswood; Linden

Vitaceae (Grape Family)

- Parthenocissus quinquefolia Virginia Creeper
- Vitis labrusca Fox Grape

Appendix 5

Arshamomaque Pond Preserve Bird Species Listing as of December 2007 based on eBird observations beginning in 2003

Compiled by North Fork Audubon Society

Species (BOLD entries denote probable breeders)	Current Conservation Status
Canada Goose	
Mute Swan	
American Black Duck	Audubon Watch List Yellow
Mallard	
Northern Pintail	
Green-winged Teal	
Long-tailed Duck	
Bufflehead	
Common Goldeneye	
Hooded Merganser	
Red-breasted Merganser	
Common Loon	Special Concern
Pied-billed Grebe	Threatened
Double-crested Cormorant	
Great Cormorant	
Great Blue Heron	
Great Egret	
Snowy Egret	
Green Heron	
Osprey	Special Concern
Cooper's Hawk	Special Concern
Red-tailed Hawk	
Semipalmated Plover	
Killdeer	
Spotted Sandpiper	
Solitary Sandpiper	
Greater Yellowlegs	
Semipalmated Sandpiper	
Least Sandpiper	
Laughing Gull	
Ring-billed Gull	
Herring Gull	
Great Black-backed Gull	
Least Tern	Threatened
Common Tern	Threatened
Forster's Tern	
Rock Pigeon	
Mourning Dove	
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	
Yellow-throated Vireo	
Red-eyed Vireo	
Blue Jay	
American Crow	
Fish Crow	
Tree Swallow	
Bank Swallow	
Barn Swallow	
Black-capped Chickadee	
Tufted Titmouse	
White-breasted Nuthatch	
Brown Creeper	
Carolina Wren	
House Wren	
Winter Wren	
Golden-crowned Kinglet	
Ruby-crowned Kinglet	
Blue-gray Gnatcatcher	
Swainson's Thrush	
Hermit 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
Northern Parula	
Yellow Warbler	
Magnolia Warbler	
Black-throated Blue Warbler	
Yellow-rumped Warbler	
Black-throated Green Warbler	
Pine Warbler	
Palm Warbler	
Bay-breasted Warbler	Audubon Watch List Yellow
Blackpoll Warbler	
Black-and-white Warbler	
American Redstart	
Ovenbird	
Northern Waterthrush	

Common Yellowthroat	
Eastern Towhee	
American Tree Sparrow	
Chipping Sparrow	
Saltmarsh Sharp-tailed Sparrow	Audubon Watch List Red
Song Sparrow	
Swamp Sparrow	
White-throated Sparrow	
Dark-eyed Junco	
Northern Cardinal	
Red-winged Blackbird	
Rusty Blackbird	
Common Grackle	
Brown-headed Cowbird	
Baltimore Oriole	
Purple Finch	
House Finch	
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.