

4.1 Terrestrial Plant List

TREASURE ISLAND - PLANTS 2021- 2922

List downloaded from I-Naturalist

https://www.inaturalist.org/observations?place_id=any&user_id=dalegephart&verifiable=any

Eastern Poison Ivy *Toxicodendron radicans*
White Avens *Geum canadense*
American Royal Fern *Osmunda spectabilis*
Blue-eyed Grasses Genus *Sisyrinchium*
Heartleaf Foamflower *Tiarella cordifolia*
Two-leaved Toothwort *Cardamine diphylla*
Threelobed Goldthread *Coptis trifolia*
Swamp Candles *Lysimachia terrestris*
Spotted Joe-Pye Weed *Eutrochium maculatum*
Marsh Skullcap *Scutellaria galericulata*
Pale St. John's-Wort *Hypericum ellipticum*
White Meadowsweet *Spiraea alba*
Solomon's Plume *Maianthemum racemosum*
Golden Alexander *Zizia aurea*
Bluebead Lily *Clintonia borealis*
Northern Starflower *Lysimachia borealis*
Bloodroot *Sanguinaria canadensis*
Dwarf Ginseng *Panax trifolius*
American Dog Violet *Viola labradorica*
Japanese Barberry *Berberis thunbergia*
Blue Cohosh *Caulophyllum thalictroides*
Heartleaf Foamflower *Tiarella cordifolia*
Wood Anemone *Anemonoides quinquefolia*
Marsh Marigold *Caltha palustris*
Hairy Solomon's-Seal *Polygonatum pubescens*
Willows Genus: *Salix*
Trailing Arbutus *Epigaea repens*
Honeysuckles Genus: *Lonicera*
Canadian Wild Ginger *Asarum canadense*
Green False Hellebore *Veratrum viride*
Yellow Trout Lily *Erythronium Americanum*

Lake ID FAIRLEE ▼

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FAIRLEE

64 Records

Lake Area = 461.8 acres

Species	Common Name	Earliest Record	Most Recent Record	Rare, Threatened Endangered Info			
				State Rank	Global Rank	State Status	Federal Status
Bidens beckii	water marigold	8/14/1990	8/26/2021				
Brasenia schreberi	watershield	5/26/2010	8/26/2021				
Carex sp.	sedge	5/14/2012	5/14/2012				
Ceratophyllum demersum	coontail	5/26/2010	9/17/2018				
Ceratophyllum echinatum	prickly hornwort	5/14/2012	8/26/2021	S2	G4?	R	
Chara sp.	muskgrass or stonewort	6/21/1984	8/26/2021				
Eleocharis acicularis	slender spikerush	6/21/1984	8/26/2021				
Elodea canadensis	common elodea	6/21/1984	8/26/2021				
Elodea nuttallii	Nuttall's waterweed	9/17/2015	8/26/2021	S3	G5	R	
Elodea sp.	waterweed	7/14/1992	8/26/2021				
Equisetum sp.	horsetail	5/14/2012	5/14/2012				
Eriocaulon aquaticum	pipewort	6/21/1984	8/26/2021				
Fontinalis sp.	aquatic moss or brook moss	8/26/2021	8/26/2021				
Isoetes sp.	quillwort	9/18/2013	9/19/2017				
Juncus sp.	rush	6/21/1984	6/21/1984				
Lemna minor	little duckweed	5/14/2012	5/14/2012				
Lobelia dortmanna	water lobelia	6/21/1984	9/24/2019				
Ludwigia palustris	Water-purslane	5/14/2012	5/14/2012				
Lythrum salicaria	purple loosestrife	8/10/2010	8/10/2010				
Myriophyllum spicatum	Eurasian watermilfoil	8/3/1995	8/26/2021				
Myriophyllum tenellum	leafless watermilfoil	8/26/2021	8/26/2021				
Najas flexilis	common naiad	8/14/1990	8/26/2021				
Najas minor	brittle naiad	9/24/2019	9/24/2019				
Najas sp.	waternymph	8/14/1990	9/19/2017				
Nitella sp.	brittlewort or stonewort	8/14/1990	9/17/2015				
Nuphar sp.	pond-lily	7/14/1992	8/3/1995				
Nuphar variegata	cow lily or spatterdock	6/21/1984	8/26/2021				
Nymphaea odorata ssp. Odorata	white waterlily	8/14/1990	8/26/2021				
Nymphaea odorata ssp. Tuberosa	American white waterlily	8/14/1990	8/14/1990				
Nymphaea sp.	water lily	6/21/1984	9/18/2013				
Polygonum amphibium	water smartweed	8/14/1990	8/10/2010				
Polygonum sp.	knotweed	6/21/1984	9/17/2015				
Pontederia sp.	pickerelweed	6/21/1984	6/21/1984				
Potamogeton alpinus	red pondweed	6/21/1984	8/26/2021				
Potamogeton amplifolius	big-leaf pondweed	6/21/1984	8/26/2021				
Potamogeton ephedrus	ribbonleaf pondweed	8/14/1990	9/17/2015				
Potamogeton foliosus	leafy pondweed	5/26/2010	8/26/2021				
Potamogeton gramineus	variable-leaf pondweed	6/21/1984	8/26/2021				
Potamogeton illinoensis	Illinois pondweed	9/17/2018	9/24/2019				
Potamogeton natans	floating-leaf pondweed	6/21/1984	8/26/2021				
Potamogeton perfoliatus	claspingleaf pondweed	8/14/1990	8/26/2021				
Potamogeton praelongus	boat-tipped pondweed	6/21/1984	8/26/2021				
Potamogeton pusillus	small pondweed	8/14/1990	8/26/2021				

Potamogeton pusillus ssp. Tenuissimus	small pondweed	9/24/2019	9/24/2019				
Potamogeton richardsonii	Richard's pondweed	6/21/1984	9/19/2017				
Potamogeton robbinsii	Robbin's pondweed	6/21/1984	8/26/2021				
Potamogeton sp.	pondweed	8/14/1990	9/17/2015				
Potamogeton spirillus	snailseed pondweed	8/14/1990	8/10/2010				
Potamogeton vaseyi	Vasey's pondweed	9/24/2019	9/24/2019	S2	G4	R	
Potamogeton zosteriformis	flatstem pondweed	8/14/1990	9/17/2015				
Proserpinaca palustris	marsh mermaidweed	5/14/2012	5/14/2012	S2	G5	R	
Sagittaria graminea	slender arrowhead	9/17/2015	9/17/2015				
Sagittaria sp.	arrowhead	8/14/1990	8/26/2021				
Sparganium sp.	bur-reed	6/21/1984	9/17/2018				
Stuckenia pectinata	sago pondweed	9/24/2019	9/24/2019				
Tolypella sp.		8/26/2021	8/26/2021				
Typha latifolia	broad-leaved cattail	6/21/1984	8/14/1990				
Typha sp.	cattail	8/10/2010	9/17/2015				
Utricularia gibba	humped bladderwort	5/14/2012	9/17/2018	S3	G5	R	
Utricularia macrorhiza	common bladderwort	8/14/1990	8/26/2021				
Utricularia minor	lesser bladderwort	5/26/2010	8/26/2021	S2	G5	R	
Utricularia sp.	bladderwort	6/21/1984	9/17/2015				
Vallisneria americana	wild celery or eelgrass	6/21/1984	8/26/2021				
Zosterella dubia	water stargrass	6/21/1984	8/26/2021				

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17 Records

Basin Lake Area = acres

Common Name	Scientific Name	Rare, Threatened Endangered Info			
		State Rank	Global Rank	State Status	Federal Status
Brown bullhead	Ameiurus nebulosus				
Bluegill	Lepomis macrochirus				
Brown trout	Salmo trutta				
Chain pickerel	Esox niger				
Fallfish	Semotilus corporalis				
Golden shiner	Notemigonus crysoleucas				
Largemouth bass	Micropterus salmoides				
Longnose sucker	Catostomus catostomus				
Pumpkinseed	Lepomis gibbosus				
Rock bass	Ambloplites rupestris				
Redbreast sunfish	Lepomis auritus				
Rainbow trout	Oncorhynchus mykiss				
Silvery minnow	Hybognathus regius	S3S4	G5		
Smallmouth bass	Micropterus dolomieu				
Rainbow smelt	Osmerus mordax				
White sucker	Catostomus commersoni				
Yellow perch	Perca flavescens				

Treasure Island Advisory Committee
Working group on "The Nature of Treasure Island"
Inventory for the Stewardship Plan
Mammals – preliminary studies

The "Vermont Atlas of Life" via the I-Naturalist "Lake Fairlee Watershed" lists 7 species of mammals among 34 species of vertebrates. https://www.inaturalist.org/observations?place_id=168234
The Vermont Department of Fish and Game posts information on 25 species of mammal all of which have been reported in our watershed.

To assess the presence of mammals on the 12 acres of Thetford's Treasure Island, 3 game cameras were placed in 12 different locations over a period of one month. They were activated by motion and used infrared flash images at night. During the 1st week, a raccoon, a red fox, a white tailed deer and a gray squirrel were photographed. The cameras were first placed in fairly obvious "game trails" and as far away from recreational activities as possible. Only two squirrels were seen during the last 3 weeks, probably because the cameras were placed in less likely locations, in order to do a more thorough survey.

We did not assess aquatic mammals or small rodents. Fresh beaver activity (2" hemlock, willows) was seen along the lakeshore during our survey.

Opportunistic mammals such as skunks and opossums are frequently seen around human lakeshore habitation. Two migratory carnivores (bobcat and coyote) were seen near the lake this summer but visits to our 12 acres would be infrequent unless they might be stalking prey.

Questions, which are larger and more relevant to planning, arise from our brief and limited observations. For these four mammals 1) What is their range? How far do they travel in each day or season? Which ones cross the busy high speed highway? 2) What is their diet, during all seasons? 3) Where do they winter? (Dens in rock piles, hollow trees, underground burrows or in brush piles?) In what months do they bear young? The VT Fish and Game www site (<https://vtfishandwildlife.com/learn-more/vermont-critters/mammals>) gives us more information about habitat and animal behavior and addresses some of these questions we ask. How would changes we might make to our natural areas affect these mammals?

Data - game cam

7/24/22 Raccoon 7:15 am Mid north section

7/24/22 Fox 5:26 AM Mid north section

7/29/22 Eastern Grey Squirrel 12:51 pm Mid north section

8/3/22 White tailed deer 7AM Southern end of property

Vermont References about the 4 Treasure Island Mammals

<https://vtfishandwildlife.com/node/602> raccoon

<https://vtfishandwildlife.com/node/603> red fox

<https://vtfishandwildlife.com/node/609> white tailed deer

<https://vtfishandwildlife.com/node/596> grey squirrel

