

PLANT SPECIES INVENTORY

Observed On-Site During EDR Surveys, 2019

Notes	Family	Genus	species	common name	Conservation Status/Rank
	Acoraceae	<i>Acorus</i>	<i>calamus</i>	old world sweet flag	NN/NR
	Alismataceae	<i>Alisma</i>	<i>triviale</i>	northern water-plantain	S5
	Amoryllidaceae	<i>Allium</i>	<i>triccocum</i>	wild leeks	S5
	Anacardiaceae	<i>Rhus</i>	<i>typhina</i>	staghorn sumac	S5
	Anacardiaceae	<i>Toxicodendron</i>	<i>radicans</i>	poison ivy	S5
	Apiaceae	<i>Daucus</i>	<i>carota</i>	Queen Anne's lace	NN/NR
	Apocynaceae	<i>Asclepias</i>	<i>incarnata</i>	swamp milkweed	S5
	Apocynaceae	<i>Asclepias</i>	<i>syriaca</i>	common milkweed	S5
1	Apocynaceae	<i>Vincetoxicum</i>	sp.	swallow-wort	NN/NR
	Araceae	<i>Arisaema</i>	<i>triphillum</i>	jack-in-the-pulpit	S5
	Asteraceae	<i>Ambrosia</i>	<i>artemesiifolia</i>	ragweed	S5
	Asteraceae	<i>Arctium</i>	<i>minus</i>	common burdock	NN/NR
1	Asteraceae	<i>Artemisia</i>	<i>vulgaris</i>	mugwort	NN/NR
1	Asteraceae	<i>Centaurea</i>	<i>stoebe</i>	spotted knapweed	NN/NR
1	Asteraceae	<i>Cirsium</i>	<i>arvense</i>	creeping thistle	NN/NR
	Asteraceae	<i>Cirsium</i>	<i>vulgare</i>	bull thistle	NN/NR
	Asteraceae	<i>Erechtites</i>	<i>hieraciifolius</i>	common pilewort	S5
	Asteraceae	<i>Eupatorium</i>	<i>perfoliatum</i>	common boneset	S5
	Asteraceae	<i>Eutrochium</i>	<i>maculatum</i>	joe-pye weed	S5
	Asteraceae	<i>Leucanthemum</i>	<i>vulgare</i>	ox-eye daisy	NN/NR
	Asteraceae	<i>Solidago</i>	<i>canadensis</i>	Canada goldenrod	S5
	Asteraceae	<i>Symphyotrichum</i>	spp.	asters	NR
	Asteraceae	<i>Symphyotrichum</i>	<i>puniceum</i>	purplestem aster	S5
	Asteraceae	<i>Taraxacum</i>	<i>officinale</i>	dandelion	NN/NR
	Asteraceae	<i>Tussilago</i>	<i>farfara</i>	coltsfoot	NN/NR
	Balsaminaceae	<i>Impatiens</i>	<i>capensis</i>	spotted jewelweed	S5
	Berberidaceae	<i>Podophyllum</i>	<i>peltatum</i>	mayapple	S5
	Betulaceae	<i>Carpinus</i>	<i>caroliniana</i>	musclewood	S5
	Boraginaceae	<i>Hackelia</i>	<i>virginiana</i>	Virginia stickseed	S5
1	Brassicaceae	<i>Alliaria</i>	<i>petiolata</i>	garlic mustard	NN/NR
	Brassicaceae	<i>Cardamine</i>	<i>concatenata</i>	cut-leaf toothwort	S5
	Brassicaceae	<i>Nasturtium</i>	<i>officinale</i>	water-cress	NN/NR
	Campanulaceae	<i>Lobelia</i>	<i>inflata</i>	Indian-tobacco	S5
1	Caprifoliaceae	<i>Dipsacus</i>	<i>laciniatus</i>	cut-leaved teasel	NN/NR
1	Caprifoliaceae	<i>Lonicera</i>	<i>japonica</i>	Japanese honeysuckle	NN/NR
1	Caprifoliaceae	<i>Lonicera</i>	<i>morrowii</i>	Morrow's honeysuckle	NN/NR
1	Celastraceae	<i>Celastrus</i>	<i>orbiculatus</i>	Oriental bittersweet	NN/NR
	Cornaceae	<i>Cornus</i>	<i>amomum</i>	silky dogwood	S5

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	Cornaceae	<i>Cornus</i>	<i>racemosa</i>	gray dogwood	S5
	Cupressaceae	<i>Thuja</i>	<i>occidentalis</i>	northern white cedar	S5
	Cyperaceae	<i>Carex</i>	<i>alopecoidea</i>	foxtail sedge	S5
	Cyperaceae	<i>Carex</i>	<i>crinita</i>	fringed sedge	S5
	Cyperaceae	<i>Carex</i>	<i>lupulina</i>	hop sedge	S5
	Cyperaceae	<i>Carex</i>	<i>normalis</i>	large straw sedge	S5
	Cyperaceae	<i>Carex</i>	<i>scoparia</i>	broom sedge	S5
	Cyperaceae	<i>Eleocharis</i>	sp.	spike rush	NR
	Cyperaceae	<i>Scirpus</i>	<i>atrovirens</i>	green bulrush	S5
	Cyperaceae	<i>Scirpus</i>	<i>cyperinus</i>	woolgrass	S5
	Dryopteridaceae	<i>Polystichum</i>	<i>acrostichoides</i>	Christmas fern	S5
1	Elaeagnaceae	<i>Elaeagnus</i>	<i>umbellata</i>	autumn olive	NN/NR
	Equisetaceae	<i>Equisetum</i>	<i>arvense</i>	field horsetail	S5
	Fabaceae	<i>Glycine</i>	<i>max</i>	soybean	NN/NR
2	Fabaceae	<i>Robinia</i>	<i>pseudoacacia</i>	black locust	NN/NR
	Fabaceae	<i>Trifolium</i>	<i>pratense</i>	red clover	NN/NR
	Fagaceae	<i>Fagus</i>	<i>grandifolia</i>	American beech	S5
	Fagaceae	<i>Quercus</i>	<i>macrocarpa</i>	bur oak	S4
	Geraniaceae	<i>Geranium</i>	<i>robertianum</i>	herb-robert	S5
	Juglandaceae	<i>Carya</i>	<i>cordiformis</i>	bitternut hickory	S5
	Juglandaceae	<i>Carya</i>	<i>ovata</i>	shagbark hickory	S5
	Juncaceae	<i>Juncus</i>	<i>tenuis</i>	path rush	S5
	Juncaceae	<i>Juncus</i>	<i>torreyi</i>	Torrey's rush	S4
	Lamiaceae	<i>Lamium</i>	<i>purpureum</i>	purple dead-nettle	NN/NR
	Lamiaceae	<i>Leonurus</i>	<i>cardiaca</i>	motherwort	NN/NR
	Lamiaceae	<i>Lycopus</i>	<i>americanus</i>	American bugleweed	S5
	Lamiaceae	<i>Mentha</i>	<i>arvensis</i>	wild mint	NN/NR
	Lauraceae	<i>Lindera</i>	<i>benzoin</i>	spicebush	S5
	Liliaceae	<i>Erythronium</i>	<i>americanum</i>	trout lily	S5
	Malvaceae	<i>Tilia</i>	<i>americana</i>	American basswood	S5
	Melanthiaceae	<i>Trillium</i>	<i>grandiflorum</i>	white trillium	S5
	Menispermaceae	<i>Menispermum</i>	<i>canadense</i>	moonseed	S5
	Montiaceae	<i>Claytonia</i>	<i>caroliniana</i>	Carolina spring beauty	S5
	Oleaceae	<i>Fraxinus</i>	<i>pennsylvanica</i>	green ash	S5
	Onagraceae	<i>Chamerion</i>	<i>angustifolium</i>	fireweed	S5
	Onagraceae	<i>Circaea</i>	<i>canadensis</i>	enchanter's nightshade	S5
	Onagraceae	<i>Ludwigia</i>	<i>palustris</i>	water purslane	S5
	Onocleaceae	<i>Matteuccia</i>	<i>struthiopteris</i>	ostrich fern	S4

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	Onocleaceae	<i>Onoclea</i>	<i>sensibilis</i>	sensitive fern	S5
	Oxalidaceae	<i>Oxalis</i>	sp.	wood sorrel	NR
	Pinaceae	<i>Picea</i>	<i>abies</i>	Norway spruce	NN/NR
	Pinaceae	<i>Pinus</i>	<i>resinosa</i>	red pine	S5
	Pinaceae	<i>Pinus</i>	<i>strobus</i>	white pine	S5
	Pinaceae	<i>Pinus</i>	<i>sylvestris</i>	Scotch pine	NN/NR
	Plantaginaceae	<i>Plantago</i>	sp.	plantain	NR
	Poaceae	<i>Bromus</i>	sp.	brome	NR
	Poaceae	<i>Dactylis</i>	<i>glomerata</i>	orchard grass	NN/NR
	Poaceae	<i>Echinochloa</i>	<i>crus-galli</i>	barnyard grass	NN/NR
	Poaceae	<i>Phalaris</i>	<i>arundinacea</i>	reed canary grass	S5
1	Poaceae	<i>Phragmites</i>	<i>australis</i>	common reed	NN/NR
	Poaceae	<i>Poa</i>	<i>pratensis</i>	Kentucky bluegrass	NN/NR
	Poaceae	<i>Triticum</i>	<i>aestivum</i>	common wheat	NN/NR
	Poaceae	<i>Zea</i>	<i>mays</i>	corn	NN/NR
	Polygonaceae	<i>Persicaria</i>	<i>virginiana</i>	jumpseed	S5
	Polygonaceae	<i>Rumex</i>	<i>crispus</i>	curly dock	NN/NR
	Primulaceae	<i>Lysimachia</i>	<i>ciliata</i>	fringed loosestrife	S5
	Primulaceae	<i>Lysimachia</i>	<i>nummularia</i>	creeping Jennie	NN/NR
	Ranunculaceae	<i>Caltha</i>	<i>palustris</i>	marsh marigold	S5
	Ranunculaceae	<i>Ranunculus</i>	<i>acris</i>	tall buttercup	NN/NR
	Ranunculaceae	<i>Ranunculus</i>	<i>sceleratus</i>	cursed crowfoot	NR
1	Rhamnaceae	<i>Rhamnus</i>	<i>cathartica</i>	buckthorn	NN/NR
	Rosaceae	<i>Agrimonia</i>	<i>gryposepala</i>	tall agrimony	S5
	Rosaceae	<i>Amelanchier</i>	sp.	serviceberry	NR
	Rosaceae	<i>Fragaria</i>	<i>virginiana</i>	common wild strawberry	S5
	Rosaceae	<i>Geum</i>	<i>canadense</i>	white avens	S5
	Rosaceae	<i>Malus</i>	<i>domestica</i>	apple	NN/NR
	Rosaceae	<i>Prunus</i>	<i>serotina</i>	black cherry	S5
	Rosaceae	<i>Prunus</i>	<i>virginiana</i>	choke cherry	S5
1	Rosaceae	<i>Rosa</i>	<i>multiflora</i>	multiflora rose	NN/NR
	Rosaceae	<i>Rubus</i>	<i>alleghaniensis</i>	common blackberry	S5
	Rosaceae	<i>Rubus</i>	<i>occidentalis</i>	black raspberry	S5
	Rosaceae	<i>Rubus</i>	<i>pubescens</i>	dwarf raspberry	S5
	Salicaceae	<i>Populus</i>	<i>deltoides</i>	eastern cottonwood	S5
	Salicaceae	<i>Populus</i>	<i>tremuloides</i>	quaking aspen	S5
	Salicaceae	<i>Salix</i>	<i>discolor</i>	pussy willow	S5
	Salicaceae	<i>Salix</i>	<i>nigra</i>	black willow	S5

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Notes	Family	Genus	species	common name	Conservation Status/Rank
	Salicaceae	<i>Salix</i>	spp.	other willows	NR
2	Sapindaceae	<i>Acer</i>	<i>platanooides</i>	Norway maple	NN/NR
	Sapindaceae	<i>Acer</i>	<i>rubrum</i>	common red maple	S5
	Sapindaceae	<i>Acer</i>	<i>saccharinum</i>	silver maple	S5
	Sapindaceae	<i>Acer</i>	<i>saccharum</i>	sugar maple	S5
	Scrophulariaceae	<i>Verbascum</i>	<i>thapsus</i>	common mullein	NN/NR
	Typhaceae	<i>Sparganium</i>	<i>eurycarpum</i>	giant bur-reed	S5
	Typhaceae	<i>Typha</i>	<i>angustifolia</i>	narrowleaf cattail	S5
	Typhaceae	<i>Typha</i>	<i>latifolia</i>	broadleaf cattail	S5
	Ulmaceae	<i>Ulmus</i>	<i>americana</i>	American elm	S5
	Ulmaceae	<i>Ulmus</i>	<i>rubra</i>	slippery elm	S5
	Verbenaceae	<i>Verbena</i>	<i>hastata</i>	blue vervain	S5
	Verbenaceae	<i>Verbena</i>	<i>urticifolia</i>	white vervain	S5
	Violaceae	<i>Viola</i>	<i>sororia</i>	common violet	S5
	Vitaceae	<i>Parthenocissus</i>	<i>quinquefolia</i>	Virginia creeper	S5
	Vitaceae	<i>Vitis</i>	<i>riparia</i>	riverbank grape	S5

Nomenclature follows the New York Flora Atlas (Weldy et al., 2019).

Notes:

1. This species is listed as a prohibited invasive species in New York State (NYSDEC, 2014).
2. This species is listed as a regulated invasive species in New York State (NYSDEC, 2014).

State Conservation Statuses:

NN Not native in New York State. Not of conservation concern.

State Conservation Ranks:

- S4 Apparently secure in New York State. Common in many areas of the state but possibly rare in other areas.
- S5 Demonstrably secure in New York State. Common; widespread and abundant.
- NR No ranking assigned.

Sources:

New York State Department of Environmental Conservation (NYSDEC). 2014. 6 NYCRR Part 575, Prohibited and Regulated Invasive Species. September 10, 2014.

Weldy, T., D. Werier, and A. Nelson. 2019. New York Flora Atlas. [S. M. Landry and K. N. Campbell (original application development), USF Water Institute. University of South Florida]. New York Flora Association, Albany, New York. Available at: <http://newyork.plantatlas.usf.edu/> (Accessed September 2019).

WILDLIFE SPECIES INVENTORY

The following species could occur in the vicinity of the Facility Site at some time during the year:

Notes	Common Name	Scientific Name	NYS conservation status
Bird Species			
	<u>Loons</u>	<u>Gaviidae</u>	
²	common loon	<i>Gavia immer</i>	SSC, SGCN
	<u>Herons, Bitterns, Cranes</u>	<u>Ardeidae</u>	
^{2,3}	great blue heron	<i>Ardea herodias</i>	
^{2,3}	green heron	<i>Butorides virescens</i>	
²	great egret	<i>Ardea alba</i>	SGCN
⁵	least bittern	<i>Ixobrychus exilis</i>	ST, SGCN
^{2,3}	sandhill crane	<i>Antigone canadensis</i>	
	<u>Grebes</u>	<u>Podicipedidae</u>	
^{3,5}	pied-billed grebe	<i>Podilymbus podiceps</i>	ST, SGCN
	<u>Waterfowl</u>	<u>Anatidae</u>	
^{2,3}	wood duck	<i>Aix sponsa</i>	
²	northern pintail	<i>Anas acuta</i>	SGCN
	green-winged teal	<i>Anas crecca</i>	
²	mallard	<i>Anas platyrhynchos</i>	
²	American black duck	<i>Anas rubripes</i>	SGCN-HP
^{2,3}	Canada goose	<i>Branta canadensis</i>	
²	common goldeneye	<i>Bucephala clangula</i>	SGCN-HP
²	mute swan	<i>Cygnus olor</i>	
²	tundra swan	<i>Cygnus columbianus</i>	
²	hooded merganser	<i>Lophodytes cucullatus</i>	
	northern shoveler	<i>Spatula clypeata</i>	
²	American wigeon	<i>Mareca americana</i>	
²	snow goose	<i>Anser caerulescens</i>	
	<u>American Vultures</u>	<u>Cathartidae</u>	
^{2,3,14}	turkey vulture	<i>Cathartes aura</i>	
	<u>Falcons</u>	<u>Falconidae</u>	
^{2,14}	merlin	<i>Falco columbarius</i>	
^{2,14}	peregrine falcon	<i>Falco peregrinus</i>	SE, SGCN
^{2,3,14}	American kestrel	<i>Falco sparverius</i>	SGCN
	<u>Osprey</u>	<u>Pandionidae</u>	
^{2,14}	osprey	<i>Pandion haliaetus</i>	SSC

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Notes	Common Name	Scientific Name	NYS conservation status
	<u>Hawks</u>	<u>Accipitridae</u>	
2,14	Cooper's hawk	<i>Accipiter cooperii</i>	SSC
2,14	northern goshawk	<i>Accipiter gentilis</i>	SSC, SGCN
2,14	sharp-shinned hawk	<i>Accipiter striatus</i>	SSC
2,3,14	red-tailed hawk	<i>Buteo jamaicensis</i>	
2,14	rough-legged hawk	<i>Buteo lagopus</i>	
2,14	red-shouldered hawk	<i>Buteo lineatus</i>	SSC, SGCN
2,14	broad-winged hawk	<i>Buteo platypterus</i>	
2,14	northern harrier	<i>Circus hudsonius</i>	ST, SGCN
2, 3, 5,14	bald eagle	<i>Haliaeetus leucocephalus</i>	ST, SGCN, BGEPA
	<u>Pheasants and Grouse</u>	<u>Phasianidae</u>	
2	ring-necked pheasant	<i>Phasianus colchicus</i>	
3	ruffed grouse	<i>Bonasa umbellus</i>	SGCN
	<u>Turkeys</u>	<u>Meleagrididae</u>	
2,3	wild turkey	<i>Meleagris gallopavo</i>	
	<u>Plovers</u>	<u>Charadriidae</u>	
2,3	killdeer	<i>Charadrius vociferus</i>	
	<u>Sandpipers</u>	<u>Scolopacidae</u>	
3	spotted sandpiper	<i>Actitis macularius</i>	
3	American woodcock	<i>Scolopax minor</i>	SGCN
2	Greater yellowlegs	<i>Tringa melanoleuca</i>	
2	lesser yellowlegs	<i>Tringa flavipes</i>	
5	upland sandpiper	<i>Bartramia longicauda</i>	ST, SGCN-HP
	<u>Rails</u>	<u>Rallidae</u>	
	king rail	<i>Rallus elegans</i>	ST, SGCN-HP
	<u>Gulls, Terns</u>	<u>Laridae</u>	
2	herring gull	<i>Larus argentatus</i>	
2	ring-billed gull	<i>Larus delawarensis</i>	
5	black tern	<i>Chlidonias niger</i>	SE, SGCN-HP
	<u>Pigeons, Doves</u>	<u>Columbidae</u>	
2,3	rock pigeon	<i>Columba livia</i>	
2,3	mourning dove	<i>Zenaida macroura</i>	
	<u>Cuckoos</u>	<u>Cuculidae</u>	

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2,3	yellow-billed cuckoo	<i>Coccyzus americanus</i>	
2,3	black-billed cuckoo	<i>Coccyzus erythrophthalmus</i>	SGCN
	<u>Nightjars</u>	<u>Caprimulgidae</u>	
2,3	common nighthawk	<i>Chordeiles minor</i>	SSC, SGCN-HP
	<u>Owls</u>	<u>Strigidae</u>	
14	snowy owl	<i>Bubo scandiacus</i>	
14	short-eared owl	<i>Asio flammeus</i>	SE, SGCN-HP
2,3	barred owl	<i>Strix varia</i>	
2,3	northern saw-whet owl	<i>Aegolius acadicus</i>	
14	great horned owl	<i>Bubo virginianus</i>	
	<u>Hummingbirds</u>	<u>Trochilidae</u>	
2,3	ruby-throated hummingbird	<i>Archilochus colubris</i>	
	<u>Kingfishers</u>	<u>Alcedinidae</u>	
2,3	belted kingfisher	<i>Megaceryle alcyon</i>	
	<u>Woodpeckers</u>	<u>Picidae</u>	
2,3	northern flicker	<i>Colaptes auratus</i>	
2,3	pileated woodpecker	<i>Dryocopus pileatus</i>	
2,3	red-bellied woodpecker	<i>Melanerpes carolinus</i>	
2,3	downy woodpecker	<i>Dryobates pubescens</i>	
2,3	hairy woodpecker	<i>Dryobates villosus</i>	
2,3	yellow-bellied sapsucker	<i>Sphyrapicus varius</i>	
	<u>Pipits</u>	<u>Motacillidae</u>	
2,3	American pipit	<i>Anthus rubescens</i>	
	<u>Flycatchers</u>	<u>Tyrannidae</u>	
2,3	eastern wood-pewee	<i>Contopus virens</i>	
2,3	alder flycatcher	<i>Empidonax alnorum</i>	
2,3	least flycatcher	<i>Empidonax minimus</i>	
2,3	willow flycatcher	<i>Empidonax traillii</i>	
2,3	great crested flycatcher	<i>Myiarchus crinitus</i>	
2,3	eastern phoebe	<i>Sayornis phoebe</i>	
2,3	eastern kingbird	<i>Tyrannus tyrannus</i>	
2	acadian flycatcher	<i>Empidonax vireescens</i>	
	<u>Swallows</u>	<u>Hirundinidae</u>	

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2,3	barn swallow	<i>Hirundo rustica</i>	
2,3	purple martin	<i>Progne subis</i>	
2	northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	
2,3	tree swallow	<i>Tachycineta bicolor</i>	
	<u>Shrikes</u>	<u>Laniidae</u>	
2	northern shrike	<i>Lanius borealis</i>	
	<u>Jays, Crows</u>	<u>Corvidae</u>	
2,3	American crow	<i>Corvus brachyrhynchos</i>	
2,3	common raven	<i>Corvus corax</i>	
2,3	blue jay	<i>Cyanocitta cristata</i>	
	<u>Titmice</u>	<u>Paridae</u>	
2,3	black-capped chickadee	<i>Poecile atricapillus</i>	
2,3	tufted titmouse	<i>Baeolophus bicolor</i>	
	<u>Nuthatches</u>	<u>Sittidae</u>	
2	red-breasted nuthatch	<i>Sitta canadensis</i>	
2,3	white-breasted nuthatch	<i>Sitta carolinensis</i>	
	<u>Creepers</u>	<u>Certhiidae</u>	
2	brown creeper	<i>Certhia americana</i>	
	<u>Wrens</u>	<u>Troglodytidae</u>	
2,3	marsh wren	<i>Cistothorus palustris</i>	
2,3	house wren	<i>Troglodytes aedon</i>	
5	sedge wren	<i>Cistothorus platensis</i>	ST, SGCN-HP
	<u>Mimic Thrushes</u>	<u>Mimidae</u>	
2,3	gray catbird	<i>Dumetella carolinensis</i>	
2	northern mockingbird	<i>Mimus polyglottos</i>	
2,3	brown thrasher	<i>Toxostoma rufum</i>	SGCN-HP
	<u>Thrushes</u>	<u>Turdidae</u>	
2,3	veery	<i>Catharus fuscescens</i>	
2,3	hermit thrush	<i>Catharus guttatus</i>	
2,3	eastern bluebird	<i>Sialia sialis</i>	
2,3	wood thrush	<i>Hylocichla mustelina</i>	SGCN
2,3	American robin	<i>Turdus migratorius</i>	

WILDLIFE SPECIES INVENTORY

The following species could occur in the vicinity of the Facility Site at some time during the year:

Notes	Common Name	Scientific Name	NYS conservation status
	<u>Kinglets</u>	<u>Sylviidae</u>	
2,3	blue-gray gnatcatcher	<i>Polioptila caerulea</i>	
	<u>Waxwings</u>	<u>Bombycillidae</u>	
2,3	cedar waxwing	<i>Bombycilla cedrorum</i>	
	<u>Starlings</u>	<u>Sturnidae</u>	
3	European starling	<i>Sturnus vulgaris</i>	
	<u>Vireos</u>	<u>Vireonidae</u>	
2,3	yellow-throated vireo	<i>Vireo flavifrons</i>	
2,3	warbling vireo	<i>Vireo gilvus</i>	
2,3	red-eyed vireo	<i>Vireo olivaceus</i>	
	<u>Wood Warblers</u>	<u>Parulidae</u>	
2,3	black-throated blue warbler	<i>Setophaga caerulescens</i>	SSC, SGCN-HP
2,3	cerulean warbler	<i>Setophaga cerulea</i>	SSC, SGCN
2	yellow-rumped warbler	<i>Setophaga coronata</i>	
2,3	magnolia warbler	<i>Setophaga magnolia</i>	
2,3	chestnut-sided warbler	<i>Setophaga pensylvanica</i>	
2,3	yellow warbler	<i>Setophaga petechia</i>	
2,3	black-throated green warbler	<i>Setophaga virens</i>	
2,3	common yellowthroat	<i>Geothlypis trichas</i>	
2,3	mourning warbler	<i>Geothlypis philadelphia</i>	
2,3	ovenbird	<i>Seiurus aurocapillus</i>	
2	northern waterthrush	<i>Parkesia noveboracensis</i>	
2,3	American redstart	<i>Setophaga ruticila</i>	
2,3	blue-winged warbler	<i>Vermivora cyanoptera</i>	SGCN
2,3	Nashville warbler	<i>Leiothlypis ruficapilla</i>	
2,3	hooded warbler	<i>Setophaga citrina</i>	
2,3	Tennessee warbler	<i>Leiothlypis peregrina</i>	
2	blackpoll warbler	<i>Setophaga striata</i>	
	<u>Weaver Finches</u>	<u>Ploceidae</u>	
2,3	house sparrow	<i>Passer domesticus</i>	
	<u>Blackbirds</u>	<u>Icteridae</u>	
2	red-winged blackbird	<i>Agelaius phoeniceus</i>	
2,3	bobolink	<i>Dolichonyx oryzivorus</i>	SGCN-HP
2	rusty blackbird	<i>Euphagus carolinus</i>	SSC, SGCN-HP
2,3	Baltimore oriole	<i>Icterus galbula</i>	

WILDLIFE SPECIES INVENTORY

The following species could occur in the vicinity of the Facility Site at some time during the year:

Notes	Common Name	Scientific Name	NYS conservation status
2,3	brown-headed cowbird	<i>Molothrus ater</i>	
2,3	common grackle	<i>Quiscalus quiscula</i>	
2,3	eastern meadowlark	<i>Sturnella magna</i>	SGCN-HP
	<u>Larks</u>	<u>Alaudidae</u>	
2,3	horned lark	<i>Eremophila alpestris</i>	SSC, SGCN-HP
	<u>Cardinals</u>	<u>Cardinalinae</u>	
2,3	northern cardinal	<i>Cardinalis cardinalis</i>	
2,3	indigo bunting	<i>Passerina cyanea</i>	
2,3	rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	
2,3	scarlet tanager	<i>Piranga olivacea</i>	SGCN
	<u>New World Sparrows</u>	<u>Passerellidae</u>	
2	dark-eyed junco	<i>Junco hyemalis</i>	
2,3	swamp sparrow	<i>Melospiza georgiana</i>	
2,3	song sparrow	<i>Melospiza melodia</i>	
2,3	vesper sparrow	<i>Pooecetes gramineus</i>	SSC, SGCN-HP
2,3	field sparrow	<i>Spizella pusilla</i>	
2	American tree sparrow	<i>Spizella arborea</i>	
2	eastern towhee	<i>Pipilo erythrophthalmus</i>	
2,3	chipping sparrow	<i>Spizella passerina</i>	
2	savannah sparrow	<i>Passerculus sandwichensis</i>	
2	white-throated sparrow	<i>Zonotrichia albicollis</i>	
2	white-crowned sparrow	<i>Zonotrichia leucophrys</i>	
5	Henslow's Sparrow	<i>Ammodramus henslowii</i>	ST, SGCN-HP
	<u>Longspurs and Snow Buntings</u>	<u>Calcariidae</u>	
2	snow bunting	<i>Plectrophenax nivalis</i>	
	<u>True Finches</u>	<u>Fringillidae</u>	
2,3	American goldfinch	<i>Spinus tristis</i>	
2,3	house finch	<i>Haemorhous mexicanus</i>	
2,3	purple finch	<i>Haemorhous purpureus</i>	
Mammal Species			
	<u>Opossums</u>	<u>Didelphidae</u>	
8, 19	Virginia opossum	<i>Didelphis virginiana</i>	
	<u>Shrews</u>	<u>Soricidae</u>	
8	northern short-tailed shrew	<i>Blarina brevicauda</i>	

WILDLIFE SPECIES INVENTORY

The following species could occur in the vicinity of the Facility Site at some time during the year:

Notes	Common Name	Scientific Name	NYS conservation status
⁸	least shrew	<i>Cryptotis parva</i>	
⁸	masked shrew	<i>Sorex cinereus</i>	
⁸	smoky shrew	<i>Sorex fumeus</i>	
⁸	water shrew	<i>Sorex palustris</i>	
	<u>Moles</u>	<u>Talpidae</u>	
⁸	star-nosed mole	<i>Condylura cristata</i>	
⁸	hairy-tailed mole	<i>Parascalops breweri</i>	
	<u>Vesper Bats</u>	<u>Vespertilionidae</u>	
⁸	silver-haired bat	<i>Lasiorycteris noctivagans</i>	SGCN
⁸	eastern red bat	<i>Lasiurus borealis</i>	SGCN
^{5, 8}	little brown bat	<i>Myotis lucifugus</i>	SGCN-HP
⁸	tri-colored bat	<i>Perimyotis subflavus</i>	SGCN-HP
^{5, 6, 8}	northern long-eared bat	<i>Myotis septentrionalis</i>	ST, SGCN-HP
⁸	big brown bat	<i>Eptesicus fuscus</i>	
⁸	hoary bat	<i>Lasiurus cinereus</i>	SGCN
⁸	small-footed bat	<i>Myotis leibii</i>	SSC, SGCN
	<u>Racoons</u>	<u>Procyonidae</u>	
^{8, 19}	North American raccoon	<i>Procyon lotor</i>	
	<u>Porcupines</u>	<u>Erethizontidae</u>	
⁸	North American porcupine	<i>Erethizon dorsatum</i>	
	<u>Skunks</u>	<u>Mephitidae</u>	
⁸	striped skunk	<i>Mephitis mephitis</i>	
	<u>Weasels</u>	<u>Mustelidae</u>	
⁸	ermine	<i>Mustela erminea</i>	
⁸	long-tailed weasel	<i>Mustela frenata</i>	
^{8, 19}	American mink	<i>Neovison vison</i>	
⁸	fisher	<i>Pekania pennanti</i>	
	<u>Dogs, Wolves, and Foxes</u>	<u>Canidae</u>	
⁸	coyote	<i>Canis latrans</i>	
^{8, 19}	red fox	<i>Vulpes vulpes</i>	
	<u>Cats</u>	<u>Felidae</u>	
⁸	bobcat	<i>Lynx rufus</i>	

WILDLIFE SPECIES INVENTORY

The following species could occur in the vicinity of the Facility Site at some time during the year:

Notes	Common Name	Scientific Name	NYS conservation status
	<u>Squirrels</u>	<u>Sciuridae</u>	
⁸	southern flying squirrel	<i>Glaucomys volans</i>	
1, 8, 19	woodchuck	<i>Marmota monax</i>	
1, 8, 19	eastern gray squirrel	<i>Sciurus carolinensis</i>	
^{1, 8}	red squirrel	<i>Tamiasciurus hudsonicus</i>	
^{1, 8}	eastern chipmunk	<i>Tamias striatus</i>	
	<u>Beavers</u>	<u>Castoridae</u>	
^{8, 19}	North American beaver	<i>Castor canadensis</i>	
	<u>Mice, Rats, and Voles</u>	<u>Cricetidae</u>	
⁸	meadow vole	<i>Microtus pennsylvanicus</i>	
⁸	muskrat	<i>Ondatra zibethicus</i>	
⁸	white-footed mouse	<i>Peromyscus leucopus</i>	
⁸	deer mouse	<i>Peromyscus maniculatus</i>	
	<u>Old World Rats & Mice</u>	<u>Muridae</u>	
⁸	house mouse	<i>Mus musculus</i>	
⁸	brown rat	<i>Rattus norvegicus</i>	
	<u>Jumping Mice</u>	<u>Zapeoidae</u>	
⁸	woodland jumping mouse	<i>Napaeozapus insignis</i>	
⁸	meadow jumping mouse	<i>Zapus hudsonius</i>	
	<u>Hares, Rabbits</u>	<u>Leporidae</u>	
^{1, 8}	eastern cottontail	<i>Sylvilagus floridanus</i>	
	<u>Deer</u>	<u>Cervidae</u>	
^{1, 8, 19}	white-tailed deer	<i>Odocoileus virginianus</i>	
	<u>Bears</u>	<u>Ursidae</u>	
⁸	American black bear	<i>Ursus americanus</i>	
Reptile and Amphibian Species			
	<u>Snapping Turtles</u>	<u>Chelydridae</u>	
⁹	common snapping turtle	<i>Chelydra s. serpentina</i>	SGCN
	<u>Pond and Box Turtles</u>	<u>Emydidae</u>	
⁹	wood turtle	<i>Glyptemys insculpta</i>	SSC, SGCN-HP
⁹	painted turtle	<i>Chrysemys picta</i>	
⁹	spotted turtle	<i>Clemmys guttata</i>	SSC, SGCN-HP

WILDLIFE SPECIES INVENTORY

The following species could occur in the vicinity of the Facility Site at some time during the year:

Notes	Common Name	Scientific Name	NYS conservation status
	<u>Colubrids</u>	<u>Colubridae</u>	
⁹	Dekay's brown snake	<i>Storeria dekayi</i>	
⁹	common garter snake	<i>Thamnophis sirtalis</i>	
⁹	Northern water snake	<i>Nerodia sipedon</i>	
⁹	Eastern rat snake	<i>Pantherophis alleghaniensis</i>	SGCN
⁹	red-bellied snake	<i>Storeria occipitomaculata</i>	
⁹	smooth green snake	<i>Opheodrys vernalis</i>	SGCN
⁹	Eastern milk snake	<i>Lampropeltis triangulum</i>	
	<u>Mole Salamanders</u>	<u>Ambystomatidae</u>	
⁹	spotted salamander	<i>Ambystoma maculatum</i>	
⁹	blue-spotted salamander	<i>Ambystoma laterale</i>	SSC, SGCN-HP
⁹	Jefferson salamander	<i>Ambystoma jeffersonianum</i>	SSC
⁷	Jefferson x blue-spotted salamander complex	<i>Ambystoma jeffersonianum x laterale</i>	SSC, SGCN-HP
	<u>Lungless Salamanders</u>	<u>Plethodontidae</u>	
⁹	red-backed salamander	<i>Plethodon cinereus</i>	
⁷	northern two-lined salamander	<i>Eurycea bislineata</i>	
	<u>Aquatic Salamanders</u>	<u>Proteidae</u>	
⁹	common mudpuppy	<i>Necturus maculosus</i>	SGCN
	<u>Newts</u>	<u>Salamandridae</u>	
⁹	red-spotted newt	<i>Notophthalmus viridescens</i>	
	<u>Toads</u>	<u>Bufo</u>	
^{1,9}	American toad	<i>Anaxyrus americanus</i>	
	<u>Tree Frogs</u>	<u>Hylidae</u>	
^{1, 9, 10}	gray treefrog	<i>Hyla versicolor</i>	
^{1, 9, 10}	spring peeper	<i>Pseudacris crucifer</i>	
⁹	western chorus frog	<i>Pseudacris triseriata</i>	SGCN
	<u>True Frogs</u>	<u>Ranidae</u>	
^{9, 10}	wood frog	<i>Lithobates sylvaticus</i>	
⁹	American bullfrog	<i>Lithobates catesbeianus</i>	
^{9, 10}	northern leopard frog	<i>Lithobates pipiens</i>	
^{9, 10}	green frog	<i>Lithobates clamitans</i>	

WILDLIFE SPECIES INVENTORY

The following species could occur in the vicinity of the Facility Site at some time during the year:

Notes	Common Name	Scientific Name	NYS conservation status
Fish Species			
	<u>Sturgeon</u>	<u>Acipenseridae</u>	
⁴	lake sturgeon	<i>Acipenser fulvescens</i>	SGCN
	<u>Northern Lampreys</u>	<u>Petromyzontidae</u>	
⁴	sea lamprey	<i>Petromyzon marinus</i>	
	<u>Pikes</u>	<u>Esocidae</u>	
⁴	grass pickerel	<i>Esox americanus vermiculatus</i>	
⁴	northern pike	<i>Esox lucis</i>	
⁴	chain pickerel	<i>Esox niger</i>	
⁴	central mudminnow	<i>Umbra limi</i>	
	<u>Gar</u>	<u>Lepisosteidae</u>	
⁴	longnose gar	<i>Lepisosteus osseus</i>	
	<u>Bowfin</u>	<u>Amiidae</u>	
⁴	bowfin	<i>Amia calvia</i>	
	<u>Eel</u>	<u>Anguillidae</u>	
⁴	American eel	<i>Anguilla rostrata</i>	SGCN-HP
	<u>Killifish</u>	<u>Fundulidae</u>	
⁴	banded killifish	<i>Fundulus diaphanus</i>	
	<u>Sunfishes</u>	<u>Centrarchidae</u>	
⁴	rock bass	<i>Ambloplites rupestris</i>	
⁴	green sunfish	<i>Lepomis cyanellus</i>	
⁴	pumpkinseed	<i>Lepomis gibbosus</i>	
⁴	bluegill	<i>Lepomis macrochirus</i>	
⁴	white crappie	<i>Pomoxis annularis</i>	
⁴	black crappie	<i>Pomoxis nigromaculatus</i>	
⁴	smallmouth bass	<i>Micropterus dolomieu</i>	
⁴	largemouth bass	<i>Micropterus salmoides</i>	
⁴	northern sunfish	<i>Lepomis peltastes</i>	SGCN-HP
	<u>Neotropical Silversides</u>	<u>Atherinopsinae</u>	
⁴	brook silversides	<i>Labidesthes sicculus</i>	
	<u>Herrings</u>	<u>Clupeidae</u>	
⁴	gizzard shad	<i>Dorosoma cepedianum</i>	

WILDLIFE SPECIES INVENTORY

The following species could occur in the vicinity of the Facility Site at some time during the year:

Notes	Common Name	Scientific Name	NYS conservation status
⁴	alewife	<i>Alosa pseudoharengus</i>	SGCN
	<u>Sticklebacks</u>	<u>Gasterosteidae</u>	
⁴	brook stickleback	<i>Culaea inconstans</i>	
⁴	threespine stickleback	<i>Gasterosteus aculeatus</i>	SGCN-HP
⁴	ninespine stickleback	<i>Pungitius pungitius</i>	
	<u>True Goby</u>	<u>Gobiidae</u>	
⁴	round goby	<i>Neogobius melanostomus</i>	
	<u>Bullhead/Catfishes</u>	<u>Ictaluridae</u>	
⁴	black bullhead	<i>Ameiurus melas</i>	SGCN-HP
⁴	brown bullhead	<i>Ameiurus nebulosus</i>	
⁴	stonecat	<i>Norturus flavus</i>	
⁴	marginated madtom	<i>Noturus insignis</i>	
⁴	brindled madtom	<i>Noturus miurus</i>	
⁴	tadpole madtom	<i>Noturus gyrinus</i>	
⁴	channel catfish	<i>Ictalurus punctatus</i>	
	<u>Trout perch</u>	<u>Percopsidae</u>	
⁴	trout perch	<i>Percopsis omiscomaycus</i>	
	<u>Suckers</u>	<u>Catostomidae</u>	
⁴	quillback	<i>Carpionodes cyprinus</i>	
⁴	white sucker	<i>Catostomus commersonii</i>	
⁴	northern hogsucker	<i>Hypentelium nigricans</i>	
⁴	silver redhorse	<i>Moxostoma anisurum</i>	
⁴	golden redhorse	<i>Moxostoma erythrurum</i>	
⁴	shorthead redhorse	<i>Moxostoma macrolepidotum</i>	
⁴	greater redhorse	<i>Moxostoma valenciennesi</i>	
	<u>Sculpins</u>	<u>Cottidae</u>	
⁴	mottled sculpin	<i>Cottus bairdii</i>	
	<u>Drums</u>	<u>Sciaenidae</u>	
⁴	freshwater drum	<i>Aplodinotus grunniens</i>	
	<u>Perches</u>	<u>Percidae</u>	
⁴	Iowa darter	<i>Etheostoma exile</i>	SGCN
⁴	greenside darter	<i>Etheostoma blennioides</i>	
⁴	rainbow darter	<i>Etheostoma caeruleum</i>	

WILDLIFE SPECIES INVENTORY

The following species could occur in the vicinity of the Facility Site at some time during the year:

Notes	Common Name	Scientific Name	NYS conservation status
⁴	Johnny darter	<i>Etheostoma nigrum</i>	
⁴	fantail darter	<i>Etheostoma flabellare</i>	
⁴	tessellated darter	<i>Etheostoma olmstedi</i>	
⁴	yellow perch	<i>Perca flavescens</i>	
⁴	logperch	<i>Percina caprodes</i>	
⁴	blackside darter	<i>Percina maculata</i>	
⁴	walleye	<i>Sander vitreus</i>	
	<u>Temperate Bass</u>	<u>Moronidae</u>	
⁴	white bass	<i>Morone chrysops</i>	
⁴	white perch	<i>Morone americana</i>	
	<u>Carp and Minnows</u>	<u>Cyprinidae</u>	
⁴	central stoneroller	<i>Campostoma anomalum</i>	
⁴	goldfish	<i>Carassius auratus</i>	
⁴	lake chub	<i>Couesius plumbeus</i>	SGCN
⁴	Spotfin Shiner	<i>Cyprinella spiloptera</i>	
⁴	Common Carp	<i>Cyprinus carpio</i>	
⁴	cutlip minnow	<i>Exoglossum maxillingua</i>	
⁴	eastern silvery minnow	<i>Hybognathus regius</i>	
⁴	bigeye chub	<i>Hybopsis amblops</i>	SGCN-HP
⁴	Striped Shiner	<i>Luxilus chrysocephalus</i>	
⁴	Common Shiner	<i>Luxilus cornutus</i>	
⁴	redfin shiner	<i>Lythrurus umbratilis</i>	SGCN
⁴	hornyhead chub	<i>Nocomis biguttatus</i>	
⁴	river chub	<i>Nocomis micropogon</i>	
⁴	golden shiner	<i>Notemigonus crysoleucas</i>	
⁴	emerald shiner	<i>Notropis atherinoides</i>	
⁴	bridle shiner	<i>Notropis bifrenatus</i>	SGCN
⁴	blacknose shiner	<i>Notropis heterolepis</i>	SGCN
⁴	spottail shiner	<i>Notropis hudsonius</i>	
⁴	rosyface shiner	<i>Notropis rubellus</i>	
⁴	sand shiner	<i>Notropis stramineus</i>	
⁴	mimic shiner	<i>Notropis volucellus</i>	
⁴	bluntnose minnow	<i>Pimephales notatus</i>	
⁴	fathead minnow	<i>Pimephales promelas</i>	
⁴	longnose dace	<i>Rhinichthys cataractae</i>	
⁴	western blacknose dace	<i>Rhinichthys obtusus</i>	
⁴	Rudd	<i>Scardinius erythrophthalmus</i>	
⁴	Creek Chub	<i>Semotilus atromaculatus</i>	

WILDLIFE SPECIES INVENTORY

The following species could occur in the vicinity of the Facility Site at some time during the year:

Notes	Common Name	Scientific Name	NYS conservation status
	<u>Trout</u>	<u>Salmonidae</u>	
⁴	rainbow trout	<i>Oncorhynchus mykiss</i>	
⁴	brown trout	<i>Salmo trutta</i>	
⁴	brook trout	<i>Salvelinus fontinalis</i>	SGCN
¹¹	atlantic salmon	<i>Salmo salar</i>	SGCN
⁴	coho salmon	<i>Oncorhynchus kisutch</i>	
⁴	chinook salmon	<i>Oncorhynchus tshawytscha</i>	
	<u>Pirate Perch</u>	<u>Aphredoderidae</u>	
⁴	pirate perch	<i>Aphredoderus sayanus</i>	

Notes (Species Occurrence Codes)

- 1 Species observed within the Facility Site by EDR during on-site invasive species surveys and/or wetland and stream delineations.
- 2 Species observed within the Facility Area by E&E during on-site pre-construction avian surveys.
- 3 Species identified in one or more of the following NYS Breeding Bird Atlas Blocks: 2278B, 2378A, 2378B, 2478A, 2278D, 2378C, 2378D, 2478C (which are in the vicinity of the Facility Site).
- 4 Species identified by the *Atlas of Inland Fishes of New York* as existing within the Sandy Creek-Frontal Lake Ontario and Oak Orchard Creek HUC 10 Watersheds.
- 5 Species identified by the NYNHP as occurring within 10 miles of the Facility Site.
- 6 Species identified by the USFWS IPaC system as potentially occurring at or near the Facility Site (March 26,
- 7 Species identified by the NYSDEC as potentially present within the Facility Area.
- 8 Species occurs widely throughout New York State and may occur within the Facility Site.
- 9 Species identified by the NYS Herp Atlas as occurring within Orleans County.
- 10 Species identified by EDR during on-site vernal pool surveys.
- 11 Species identified by the NYSDEC 2018 *Lake Ontario Unit Annual Report*.

Conservation Status Codes:

SGCN	NYS Species of Greatest Conservation Need
SGCN-HP	NYS Species of Greatest Conservation Need - High Priority
SSC	NYS Species of Special Concern
ST	NYS Threatened Species
SE	NYS Endangered Species
BGEPA	Bald and Golden Eagle Protection Act