

PLANT SPECIES LIST

Observed On-Site During EDR Field Surveys, 2018

<u>Notes</u>	<u>Family</u>	<u>Genus</u>	<u>species</u>	<u>common name</u>
	Adoxaceae	<i>Viburnum</i>	<i>lentago</i>	nannyberry
	Anacardiaceae	<i>Rhus</i>	<i>typhina</i>	staghorn sumac
	Anacardiaceae	<i>Toxicodendron</i>	<i>radicans</i>	poison ivy
	Apiaceae	<i>Daucus</i>	<i>carota</i>	Queen Anne's lace
	Apiaceae	<i>Pastinaca</i>	<i>sativa</i>	wild parsnip
	Apocynaceae	<i>Asclepias</i>	<i>syriaca</i>	common milkweed
	Araceae	<i>Arisaema</i>	<i>triphyllum</i>	common jack-in-the-pulpit
	Araliaceae	<i>Panax</i>	<i>trifolius</i>	dwarf ginseng
	Asparagaceae	<i>Maianthemum</i>	<i>canadense</i>	Canada mayflower
	Asteraceae	<i>Achillea</i>	<i>millefolium</i>	common yarrow
1	Asteraceae	<i>Artemisia</i>	<i>vulgaris</i>	mugwort
1	Asteraceae	<i>Cirsium</i>	<i>arvense</i>	creeping thistle
	Asteraceae	<i>Euthamia</i>	<i>graminifolia</i>	flat-topped goldenrod
	Asteraceae	<i>Eutrochium</i>	<i>maculatum</i>	joe-pye weed
	Asteraceae	<i>Leucanthemum</i>	<i>vulgare</i>	ox-eye daisy
	Asteraceae	<i>Pilosella</i>	<i>aurantiaca</i>	orange hawkweed
	Asteraceae	<i>Rudbeckia</i>	<i>hirta</i>	black-eyed Susan
	Asteraceae	<i>Solidago</i>	<i>canadensis</i>	Canada goldenrod
	Asteraceae	<i>Solidago</i>	<i>gigantea</i>	late goldenrod
	Asteraceae	<i>Solidago</i>	<i>rugosa</i>	rough-stemmed goldenrod
	Asteraceae	<i>Symphyotrichum</i>	<i>ericoides</i>	heath aster
	Asteraceae	<i>Symphyotrichum</i>	<i>puniceum</i>	purplestem aster
	Asteraceae	<i>Taraxacum</i>	<i>officinale</i>	dandelion
	Asteraceae	<i>Tussilago</i>	<i>farfara</i>	coltsfoot
	Balsaminaceae	<i>Impatiens</i>	<i>capensis</i>	spotted jewelweed
1	Berberidaceae	<i>Berberis</i>	<i>thunbergii</i>	Japanese barberry
	Betulaceae	<i>Alnus</i>	<i>incana</i>	speckled alder
	Betulaceae	<i>Betula</i>	<i>alleghaniensis</i>	yellow birch
	Betulaceae	<i>Carpinus</i>	<i>caroliniana</i>	musclewood
	Betulaceae	<i>Corylus</i>	<i>americana</i>	American hazelnut
	Betulaceae	<i>Ostrya</i>	<i>virginiana</i>	eastern hophornbeam
	Boraginaceae	<i>Myosotis</i>	<i>scorpioides</i>	forget-me-not
1	Brassicaceae	<i>Alliaria</i>	<i>petiolata</i>	garlic mustard
1	Caprifoliaceae	<i>Lonicera</i>	<i>morrowii</i>	Morrow honeysuckle
	Caryophyllaceae	<i>Lychnis</i>	<i>flos-cuculi</i>	ragged-robin
	Cornaceae	<i>Cornus</i>	<i>amomum</i>	silky dogwood
	Cupressaceae	<i>Juniperus</i>	<i>communis</i>	dwarf juniper
	Cupressaceae	<i>Thuja</i>	<i>occidentalis</i>	northern white cedar
	Cyperaceae	<i>Carex</i>	<i>crinita</i>	fringed sedge

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	Cyperaceae	<i>Carex</i>	<i>lurida</i>	shallow sedge
	Cyperaceae	<i>Carex</i>	<i>scoparia</i>	broom sedge
	Cyperaceae	<i>Carex</i>	<i>stricta</i>	tussock sedge
	Cyperaceae	<i>Carex</i>	<i>vulpinoidea</i>	fox sedge
	Cyperaceae	<i>Scirpus</i>	<i>atrovirens</i>	green bulrush
	Dennstaedtiaceae	<i>Pteridium</i>	<i>aquilinum</i>	bracken fern
	Dryopteridaceae	<i>Dryopteris</i>	spp.	woodferns
	Dryopteridaceae	<i>Polystichum</i>	<i>acrostichoides</i>	Christmas fern
1	Elaeagnaceae	<i>Elaeagnus</i>	<i>umbellata</i>	autumn olive
	Ericaceae	<i>Vaccinium</i>	<i>angustifolium</i>	lowbush blueberry
	Ericaceae	<i>Vaccinium</i>	<i>corymbosum</i>	highbush blueberry
	Fabaceae	<i>Lotus</i>	<i>corniculatus</i>	bird's foot trefoil
	Fabaceae	<i>Trifolium</i>	<i>hybridum</i>	alsike clover
	Fabaceae	<i>Trifolium</i>	<i>pratense</i>	red clover
	Fabaceae	<i>Trifolium</i>	<i>repens</i>	white clover
	Fabaceae	<i>Vicia</i>	<i>cracca</i>	cow vetch
	Fagaceae	<i>Fagus</i>	<i>grandifolia</i>	American beech
	Fagaceae	<i>Quercus</i>	<i>rubra</i>	red oak
	Geraniaceae	<i>Geranium</i>	<i>maculatum</i>	wild geranium
	Hamamelidaceae	<i>Hamamelis</i>	<i>virginiana</i>	witch hazel
	Iridaceae	<i>Sisyrinchium</i>	sp.	blue-eyed grass
	Juncaceae	<i>Juncus</i>	<i>dudleyi</i>	Dudley's rush
	Juncaceae	<i>Juncus</i>	<i>effusus</i>	soft rush
	Lauraceae	<i>Lindera</i>	<i>benzoin</i>	spicebush
	Liliaceae	<i>Erythronium</i>	<i>americanum</i>	trout lily
	Liliaceae	<i>Medeola</i>	<i>virginiana</i>	Indian cucumber root
	Lycopodiaceae	<i>Diphasiastrum</i>	<i>digitatum</i>	fan clubmoss
	Lythraceae	<i>Decodon</i>	<i>verticillatus</i>	swamp loosestrife
	Malvaceae	<i>Tilia</i>	<i>americana</i>	American basswood
	Melanthiaceae	<i>Trillium</i>	<i>erectum</i>	wake robin
	Melanthiaceae	<i>Trillium</i>	<i>grandiflorum</i>	white trillium
	Melanthiaceae	<i>Veratrum</i>	<i>viride</i>	false hellebore
	Oleaceae	<i>Fraxinus</i>	<i>pennsylvanica</i>	green ash
	Onocleaceae	<i>Matteuccia</i>	<i>struthiopteris</i>	ostrich fern
	Onocleaceae	<i>Onoclea</i>	<i>sensibilis</i>	sensitive fern
	Osmundaceae	<i>Osmunda</i>	<i>claytonia</i>	interrupted fern
	Osmundaceae	<i>Osmundstrum</i>	<i>cinnamomeum</i>	cinnamon fern
	Oxalidaceae	<i>Oxalis</i>	<i>montana</i>	white wood sorrel
	Pinaceae	<i>Larix</i>	<i>laricina</i>	tamarack

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	Pinaceae	<i>Picea</i>	<i>abies</i>	Norway spruce
	Pinaceae	<i>Picea</i>	<i>glauca</i>	white spruce
	Pinaceae	<i>Pinus</i>	<i>strobus</i>	white pine
	Pinaceae	<i>Tsuga</i>	<i>canadensis</i>	hemlock
	Plantaginaceae	<i>Linaria</i>	<i>vulgaris</i>	butter-and-eggs
	Plantaginaceae	<i>Veronica</i>	<i>americana</i>	American speedwell
	Poaceae	<i>Anthoxanthum</i>	<i>odoratum</i>	sweet vernal grass
	Poaceae	<i>Dactylis</i>	<i>glomerata</i>	orchard grass
	Poaceae	<i>Glyceria</i>	<i>striata</i>	fowl manna grass
	Poaceae	<i>Phalaris</i>	<i>arundinacea</i>	reed canary grass
	Poaceae	<i>Phleum</i>	<i>pratense</i>	timothy
	Poaceae	<i>Zea</i>	<i>mays</i>	corn
1	Polygonaceae	<i>Reynoutria</i>	<i>japonica</i>	Japanese knotweed
	Polygonaceae	<i>Rumex</i>	<i>crispus</i>	curly dock
	Polygonaceae	<i>Rumex</i>	<i>obtusifolius</i>	bitter dock
	Primulaceae	<i>Lysimachia</i>	<i>borealis</i>	starflower
	Primulaceae	<i>Lysimachia</i>	<i>nummularia</i>	creeping Jennie
	Ranunculaceae	<i>Caltha</i>	<i>palustris</i>	marsh marigold
	Ranunculaceae	<i>Clematis</i>	<i>virginiana</i>	virgin's bower
	Ranunculaceae	<i>Coptis</i>	<i>trifolia</i>	goldthread
	Ranunculaceae	<i>Ranunculus</i>	<i>acris</i>	tall buttercup
	Ranunculaceae	<i>Ranunculus</i>	<i>repens</i>	creeping buttercup
	Rosaceae	<i>Crataegus</i>	sp.	hawthorn
	Rosaceae	<i>Filipendula</i>	<i>ulmaria</i>	queen-of-the-meadow
	Rosaceae	<i>Fragaria</i>	<i>virginiana</i>	common wild strawberry
	Rosaceae	<i>Malus</i>	<i>pumila</i>	apple
	Rosaceae	<i>Potentilla</i>	<i>simplex</i>	old field cinquefoil
	Rosaceae	<i>Prunus</i>	<i>serotina</i>	black cherry
1	Rosaceae	<i>Rosa</i>	<i>multiflora</i>	multiflora rose
	Rosaceae	<i>Rubus</i>	<i>alleghaniensis</i>	common blackberry
	Rosaceae	<i>Rubus</i>	<i>idaeus</i>	red raspberry
	Rosaceae	<i>Rubus</i>	<i>occidentalis</i>	black raspberry
	Rosaceae	<i>Rubus</i>	<i>pubescens</i>	dwarf raspberry
	Rosaceae	<i>Spiraea</i>	<i>alba</i>	meadowsweet
	Rosaceae	<i>Spiraea</i>	<i>tomentosa</i>	steeplebush
	Rubiaceae	<i>Galium</i>	<i>album</i>	wild madder
	Rubiaceae	<i>Galium</i>	<i>palustre</i>	marsh bedstraw
	Rubiaceae	<i>Houstonia</i>	<i>caerulea</i>	azure bluets
	Rubiaceae	<i>Mitchella</i>	<i>repens</i>	partridgeberry

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	Salicaceae	<i>Populus</i>	<i>tremuloides</i>	quaking aspen
	Salicaceae	<i>Salix</i>	<i>alba</i>	white willow
	Salicaceae	<i>Salix</i>	<i>nigra</i>	black willow
	Sapindaceae	<i>Acer</i>	<i>pensylvanicum</i>	striped maple
	Sapindaceae	<i>Acer</i>	<i>rubrum</i>	red maple
	Sapindaceae	<i>Acer</i>	<i>saccharum</i>	sugar maple
	Saxifragaceae	<i>Saxifraga</i>	<i>pensylvanica</i>	swamp saxifrage
	Scrophulariaceae	<i>Verbascum</i>	<i>thapsus</i>	common mullein
	Thelypteridaceae	<i>Thelypteris</i>	<i>noveboracensis</i>	New York fern
	Typhaceae	<i>Sparganium</i>	<i>americanum</i>	American bur-reed
	Typhaceae	<i>Typha</i>	<i>angustifolia</i>	narrowleaf cattail
	Typhaceae	<i>Typha</i>	<i>latifolia</i>	broadleaf cattail
	Urticaceae	<i>Urtica</i>	<i>gracilis</i>	stinging nettle
	Violaceae	<i>Viola</i>	spp.	violets
	Vitaceae	<i>Vitis</i>	sp.	wild grape

Nomenclature follows the New York Flora Atlas (Weldy et al., 2018).

Notes:

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

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. 2018. 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 August 2018; last modified July 11, 2018).

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the Facility Site at some time of the year.

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
<u>Bird Species</u>			
	<u>Waterfowl</u>	<u>Anatidae</u>	
1, 3, 5	mallard	<i>Anas platyrhynchos</i>	
3, 5	wood duck	<i>Aix sponsa</i>	
1, 3, 4, 5	Canada goose	<i>Branta canadensis</i>	
2	snow goose	<i>Anser caerulescens</i>	
1, 3, 5	common merganser	<i>Mergus merganser</i>	
3	hooded merganser	<i>Lophodytes cucullatus</i>	
	<u>New World Quail</u>	<u>Odontophoridae</u>	
3, 5	northern bobwhite	<i>Colinus virginianus</i>	
	<u>Pheasants, Grouse and Turkeys</u>	<u>Phasianidae</u>	
5	ring-necked pheasant	<i>Phasianus colchicus</i>	
1, 3, 4, 5	ruffed grouse	<i>Bonasa umbellus</i>	
1, 3, 5	wild turkey	<i>Melagris gallopavo</i>	
	<u>Loons</u>	<u>Gaviidae</u>	
6	common loon	<i>Gavia immer</i>	SSC, SGCN
	<u>Grebes</u>	<u>Podicipedidae</u>	
8	pied-billed grebe	<i>Podilymbus podiceps</i>	ST, SGCN
	<u>Hérons, Bitterns</u>	<u>Areidae</u>	
8	American bittern	<i>Botaurus lentiginosus</i>	SSC, SGCN
1, 3, 5	great blue heron	<i>Ardea herodia</i>	
1, 3, 5	green heron	<i>Butorides virescens</i>	
8	least bittern	<i>Ixobrychus exilis</i>	ST
	<u>American Vultures</u>	<u>Cathartidae</u>	
1, 2, 3, 5, 6	turkey vulture	<i>Cathartes aura</i>	
	<u>Ospreys</u>	<u>Pandionidae</u>	
2, 6	osprey	<i>Pandion haliaetus</i>	SSC

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
	<u>Hawks and Eagles</u>	<u>Accipitridae</u>	
1, 2, 3, 5, 6	Cooper's hawk	<i>Accipiter cooperii</i>	SSC
2, 3, 6	northern goshawk	<i>Accipiter gentilis</i>	SSC, SGCN
1, 2, 3, 5, 6	sharp-shinned hawk	<i>Accipiter striatus</i>	SSC
2, 3, 5, 6	broad-winged hawk	<i>Buteo platypterus</i>	
2, 3, 5, 6, 11	red-tailed hawk	<i>Buteo jamaicensis</i>	
2	rough-legged hawk	<i>Buteo lagopus</i>	
1, 2, 3, 5, 6	red-shouldered hawk	<i>Buteo lineatus</i>	SSC, SGCN
2, 3, 5, 6	northern harrier	<i>Circus hudsonius</i>	ST, SGCN
2, 3, 5, 6, 11	bald eagle	<i>Haliaeetus leucocephalus</i>	ST, SGCN
2, 3, 5, 6, 11	golden eagle	<i>Aquila chrysaetos</i>	SE, SGCN
	<u>Falcons</u>	<u>Falconidae</u>	
2, 3, 5, 6	American kestrel	<i>Falco spaeversus</i>	SGCN
6	merlin	<i>Falco columbaris</i>	
2, 6	peregrine falcon	<i>Falco peregrinus</i>	SE, SGCN
	<u>Rails</u>	<u>Rallidae</u>	
5	Virginia rail	<i>Rallus limicola</i>	
	<u>Plovers</u>	<u>Charadriidae</u>	
1, 3, 5	killdeer	<i>Charadrius vociferus</i>	
	<u>Sandpipers</u>	<u>Scolopacidae</u>	
1, 3, 5	spotted sandpiper	<i>Actitis macularius</i>	
5	Wilson's snipe	<i>Gallinago delicata</i>	
3	American woodcock	<i>Scopolax minor</i>	SGCN
	<u>Gulls</u>	<u>Laridae</u>	
2	ring-billed gull	<i>Larus delawarensis</i>	
	<u>Pigeons, Doves</u>	<u>Columbidae</u>	
1, 3, 5	rock pigeon	<i>Columba livia</i>	
1, 3, 4, 5	mourning dove	<i>Zenaida macroura</i>	
	<u>Cuckoos</u>	<u>Cuculidae</u>	
3, 5, 8	black-billed cuckoo	<i>Coccyzus erythrophthalmus</i>	SGCN

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
1, 3, 5	yellow-billed cuckoo	<i>Coccyzus americanus</i>	
	<u>Typical Owls</u>	<u>Strigidae</u>	
1, 3, 5	barred owl	<i>Strix varia</i>	
3	eastern screech-owl	<i>Megascops asio</i>	
3, 5	great horned owl	<i>Bubo virginianus</i>	
8	short-eared owl	<i>Asio flammeus</i>	SE, SGCN-HP
	<u>Barn Owls</u>	<u>Tytonidae</u>	
2	barn owl	<i>Tyto abla</i>	SGCN-HP
	<u>Goatsuckers</u>	<u>Caprimulgidae</u>	
5	common nighthawk	<i>Chordeiles minor</i>	SSC, SGCN-HP
	<u>Swifts</u>	<u>Apodidae</u>	
1, 3, 4, 5	chimney swift	<i>Chaetura pelagica</i>	
	<u>Hummingbirds</u>	<u>Trochilidae</u>	
1, 3, 4, 5	ruby-throated hummingbird	<i>Archilochus colubris</i>	
	<u>Kingfishers</u>	<u>Alcedinidae</u>	
1, 3, 4, 5	belted kingfisher	<i>Megaceryle alcyon</i>	
	<u>Woodpeckers</u>	<u>Picidae</u>	
1, 3, 4, 5	northern flicker	<i>Colaptes auratus</i>	
1, 3, 4, 5	pileated woodpecker	<i>Drycopus pileatus</i>	
1, 3, 5	red-bellied woodpecker	<i>Melanerpes carolinus</i>	
8	red-headed woodpecker	<i>Melanerpes erythrocephalus</i>	SSC, SGCN-HP
1, 3, 4, 5	downy woodpecker	<i>Picoides pubescens</i>	
1, 3, 4, 5	hairy woodpecker	<i>Picoides villosus</i>	
1, 3, 5	yellow-bellied sapsucker	<i>Sphyrapicus varius</i>	
	<u>Flycatchers</u>	<u>Tyrannidae</u>	
1, 3, 4, 5	eastern wood-pewee	<i>Contopus sordidulus</i>	
5	Acadian Flycatcher	<i>Empidonax virescens</i>	
1, 3, 4, 5	alder flycatcher	<i>Empidonax alhorum</i>	
1, 3, 4, 5	least flycatcher	<i>Empidonax minimus</i>	
1	yellow-bellied flycatcher	<i>Empidonax flaviventris</i>	

<u>Occurrence</u> ¹	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status</u> ²
1, 3, 4, 5	willow flycatcher	<i>Empidonax traillii</i>	
8	olive-sided flycatcher	<i>Contopus cooperi</i>	SGCN-HP
1, 3, 5	great crested flycatcher	<i>Myiarchus crinitus</i>	
1, 3, 4, 5	eastern phoebe	<i>Sayornis phoebe</i>	
1, 3, 5	eastern kingbird	<i>Tyrnanus tyrannus</i>	
	<u>Shrikes</u>	<u>Laniidae</u>	
2	northern shrike	<i>Lanius borealis</i>	
	<u>Vireos</u>	<u>Vireonidae</u>	
1, 3, 4, 5	red-eyed vireo	<i>Vireo olivaceus</i>	
1, 3, 5	warbling vireo	<i>Vireo gilvus</i>	
1, 3, 4, 5	yellow-throated vireo	<i>Vireo flavifrons</i>	
1, 3, 4, 5	blue-headed vireo	<i>Vireo solitarius</i>	
	<u>Crows and Jays</u>	<u>Corvidae</u>	
1, 3, 4, 5	blue jay	<i>Cyanocitta cristata</i>	
1, 3, 4, 5	common raven	<i>Corvus chorax</i>	
1, 3, 4, 5	American crow	<i>Corvus brachyrhynchos</i>	
5	fish crow	<i>Corvus ossifragus</i>	
	<u>Swallows</u>	<u>Hirundinidae</u>	
5	purple martin	<i>Progne subis</i>	
1, 3, 4, 5	barn swallow	<i>Hirundo rustica</i>	
3, 5	bank swallow	<i>Riparia riparia</i>	
3, 5	northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	
1, 3, 4, 5	tree swallow	<i>Tachycineta bicolor</i>	
1, 3, 5	cliff swallow	<i>Petrochelidon pyrrhonata</i>	
	<u>Titmice, Chickadees</u>	<u>Paridae</u>	
1, 3, 4, 5	black-capped chickadee	<i>Poecile atricapillus</i>	
1, 3, 4, 5	tufted titmouse	<i>Baeolophus bicolor</i>	
	<u>Nuthatches</u>	<u>Sittidae</u>	
1, 3, 4, 5	red-breasted nuthatch	<i>Sitta canadensis</i>	
1, 3, 4, 5	white-breasted nuthatch	<i>Sitta carolinensis</i>	

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
	<u>Creepers</u>	<u>Certhiidae</u>	
1, 3, 4, 5	brown creeper	<i>Certhia americana</i>	
	<u>Wrens</u>	<u>Troglodytidae</u>	
1, 3, 4, 5	house wren	<i>Troglodytes aedon</i>	
3	marsh wren	<i>Cisothorus palustris</i>	
1, 3, 4, 5	winter wren	<i>Troglodytes hiemalis</i>	
1, 3, 5	Carolina wren	<i>Thryothorus ludovicianus</i>	
	<u>Kinglets</u>	<u>Regulidae</u>	
1, 3, 4, 5	golden-crowned kinglet	<i>Regulus calendula</i>	
	<u>Thrushes</u>	<u>Turdidae</u>	
1, 3, 4, 5	eastern bluebird	<i>Sialia sialis</i>	
1, 3, 4, 5	veery	<i>Catharus fuscescens</i>	
1, 3, 4, 5	hermit thrush	<i>Catharus guttatus</i>	
1, 3, 4, 5, 6	wood thrush	<i>Hylocichla mustelina</i>	SGCN
1, 3, 4, 5	American robin	<i>Turdus migratorius</i>	
	<u>Mimic Thrushes</u>	<u>Mimidae</u>	
1, 3, 4, 5	gray catbird	<i>Dumetella carolinensis</i>	
3, 5	northern mockingbird	<i>Mimus polyglottos</i>	
1, 3, 5	brown thrasher	<i>Toxostoma rufum</i>	SGCN-HP
	<u>Gnatcatchers</u>	<u>Poliptillidae</u>	
1, 3, 5	blue-gray gnatcatcher	<i>Poliptila caerulea</i>	
	<u>Starlings</u>	<u>Sturnidae</u>	
1, 3, 4, 5	European starling	<i>Sturnus vulgaris</i>	
	<u>Waxwings</u>	<u>Bombycillidae</u>	
1, 3, 4, 5	cedar waxwing	<i>Bombycilla cedrorum</i>	
	<u>Wood Warblers</u>	<u>Parulidae</u>	
1, 3, 4, 5	ovenbird	<i>Sieurus aurocapilla</i>	
5, 8	worm-eating warbler	<i>Helminthos vermivorum</i>	SGCN
3, 5, 8	Louisiana waterthrush	<i>Parkesia motacilla</i>	SGCN
3, 5	northern waterthrush	<i>Parkesia noveboracensis</i>	

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
3, 5	golden-winged warbler	<i>Vermivora chrysoptera</i>	SSC, SGCN-HP
1, 3, 4, 5, 8	blue-winged warbler	<i>Vermivora cyanoptera</i>	SGCN
1, 3, 4, 5	black-and-white warbler	<i>Minotilta varia</i>	
1	Tennessee warbler	<i>Oreothlypis peregrina</i>	
8	Kentucky warbler	<i>Geothlypis formosa</i>	SGCN
1, 3, 4, 5	magnolia warbler	<i>Setophaga magnolia</i>	
1, 3, 4, 5	mourning warbler	<i>Geothlypis philadelphia</i>	
1, 3, 5	Nashville warbler	<i>Oreothlypis ruficapilla</i>	
1, 5	hooded warbler	<i>Setophaga citrina</i>	
1, 3, 4, 5	common yellowthroat	<i>Setophaga ruticilla</i>	
1, 3, 4, 5	American redstart	<i>Geothlypis trichas</i>	
3	cerulean warbler	<i>Setophaga cerulea</i>	SSC, SGCN
5	northern parula	<i>Setophaga americana</i>	
1, 3, 4, 5	blackburnian warbler	<i>Setophaga fusca</i>	
1, 3, 4, 5	yellow warbler	<i>Setophaga petechia</i>	
1, 3, 4, 5	chestnut-sided warbler	<i>Setophaga pensylvanica</i>	
1, 3, 4, 5	black-throated blue warbler	<i>Setophaga caerulescens</i>	SGCN
1, 3, 4, 5	black-throated green warbler	<i>Setophaga virens</i>	
1, 3, 4, 5	pine warbler	<i>Setophaga pinus</i>	
1	blackpoll warbler	<i>Setophaga striata</i>	
1, 3, 4, 5, 8	prairie warbler	<i>Setophaga discolor</i>	SGCN
1, 3, 4, 5	yellow-rumped warbler	<i>Setophaga coronata</i>	
1, 3, 4, 5, 8	Canada warbler	<i>Cardellina canadensis</i>	SGCN-HP
	<u>Tanagers, Cardinals, and allies</u>	<u>Cardinalinae</u>	
1, 3, 4, 5	scarlet tanager	<i>Piranga olivacea</i>	SGCN
1, 3, 4, 5	northern cardinal	<i>Cardinalis cardinalis</i>	
1, 3, 4, 5	rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	
1, 3, 5	indigo bunting	<i>Passernia cyanea</i>	
	<u>Blackbirds</u>	<u>Icteridae</u>	
1, 3, 5	bobolink	<i>Dolichonyx oryzivorus</i>	SGCN-HP
3, 5	eastern meadowlark	<i>Sturnella magna</i>	SGCN-HP
5	orchard oriole	<i>Icterus spurius</i>	
1, 3, 4, 5	Baltimore oriole	<i>Icterus galbula</i>	

<u>Occurrence</u> ¹	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status</u> ²
1, 3, 4, 5, 6	red-winged blackbird	<i>Agelaius phoeniceus</i>	
1, 3, 4, 5	brown-headed cowbird	<i>Molothrus ater</i>	
1, 3, 4, 5	common grackle	<i>Quiscalus quiscula</i>	
	<u>Old World Sparrows</u>	<u>Passeridae</u>	
3, 5	house sparrow	<i>Passer domesticus</i>	
	<u>True Finches</u>	<u>Fringillidae</u>	
3, 5	house finch	<i>Haemorhous mexicanus</i>	
1, 3, 4, 5	purple finch	<i>Haemorhous purpureus</i>	
5	pine siskin	<i>Spinus pinus</i>	
1, 3, 4, 5	American goldfinch	<i>Spinus tristis</i>	
	<u>Sparrows, Towhees</u>	<u>Passerillida</u>	
1, 3, 4, 5	eastern towhee	<i>Pipilo erythrophthalmus</i>	
1, 3, 4, 5	chipping sparrow	<i>Spizella passerina</i>	
1, 3, 4, 5	field sparrow	<i>Spizella pusilla</i>	
5	vesper sparrow	<i>Poocetes gramineus</i>	SSC
5	grasshopper sparrow	<i>Ammodramus savannarum</i>	SSC, SGCN-HP
5, 7	Henslow's sparrow	<i>Ammodramus henslowii</i>	ST, SGCN-HP
3, 5	savannah sparrow	<i>Passerculus sandwichensis</i>	
1, 3, 4, 5	swamp sparrow	<i>Melospiza georgiana</i>	
1, 3, 4, 5	song sparrow	<i>Melospiza melodia</i>	
3, 5	white-throated sparrow	<i>Zonotrichia albicollis</i>	
1, 3, 4, 5	dark-eyed junco	<i>Junco hyemalis</i>	
	<u>Chats</u>	<u>Icteriidae</u>	
5	yellow-breasted chat	<i>Icteria virens</i>	SSC, SGCN-HP
<u>Mammal Species</u>			
	<u>Opossums</u>	<u>Didelphidae</u>	
10	Virginia opossum	<i>Didelphis virginiana</i>	
	<u>Shrews</u>	<u>Soricidae</u>	
10	northern short-tailed shrew	<i>Blarina brevicauda</i>	
10	least shrew	<i>Cryptotis parva</i>	

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
10	masked shrew	<i>Sorex cinereus</i>	
10	smoky shrew	<i>Sorex fumeus</i>	
	<u>Moles</u>	<u>Talpidae</u>	
10	star-nosed mole	<i>Condylura cristata</i>	
10	hairy-tailed mole	<i>Parascalops breweri</i>	
	<u>Bats</u>	<u>Vespertilionidae</u>	
10	big brown bat	<i>Eptesicus fuscus</i>	
10	silver-haired bat	<i>Lasionycteris noctivagans</i>	SGCN
10	eastern red bat	<i>Lasiurus borealis</i>	SGCN
10	hoary bat	<i>Lariurus cinereus</i>	SGCN
7, 8	northern long-eared bat	<i>Myotis septentrionalis</i>	ST
12	small-footed bat	<i>Myotis leibii</i>	SSC, SGCN
12	eastern pipistrelle	<i>Perimyotis subflavus</i>	SGCN-HP
	<u>Raccoons</u>	<u>Procyonidae</u>	
10	raccoon	<i>Procyon lotor</i>	
	<u>Porcupines</u>	<u>Erethizontidae</u>	
11	North American porcupine	<i>Erethizon dorsatum</i>	
	<u>Skunks</u>	<u>Mephitidae</u>	
10	striped skunk	<i>Mephitis mephitis</i>	
	<u>Weasels</u>	<u>Mustelidae</u>	
10	ermine	<i>Mustela erminea</i>	
10	long-tailed weasel	<i>Mustela frenata</i>	
10	mink	<i>Neovison vison</i>	
	<u>Dogs, Wolves and Foxes</u>	<u>Canidae</u>	
10	red fox	<i>Vulpes Vulpes</i>	
10	coyote	<i>Canis latrans</i>	
	<u>Bears</u>	<u>Ursidae</u>	
10	American black bear	<i>Ursus americanus</i>	
	<u>Cats</u>	<u>Felidae</u>	

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
10	bobcat	<i>Lynx rufus</i>	
	<u>Squirrels</u>	<u>Sciuridae</u>	
11	eastern gray squirrel	<i>Sciurus carolinensis</i>	
11	eastern chipmunk	<i>Tamias striatus</i>	
11	red squirrel	<i>Tamiasciurus hudsonicus</i>	
	<u>Beaver</u>	<u>Castoridae</u>	
10	beaver	<i>Castor canadensis</i>	
	<u>Mice, Rats, Lemmings, Voles</u>	<u>Cricetidae</u>	
10	meadow vole	<i>Microtus pennsylvanicus</i>	
10	muskrat	<i>Ondatra zibethicus</i>	
10	white-footed mouse	<i>Peromyscus leucopus</i>	
10	deer mouse	<i>Peromyscus maniculatus</i>	
	<u>Old World Rats and Mice</u>	<u>Muridae</u>	
10	house mouse	<i>Mus musculus</i>	
	<u>Jumping Mice</u>	<u>Dipodidae</u>	
10	woodland jumping mouse	<i>Napaezapus insignis</i>	
10	meadow jumping mouse	<i>Zapus hudsonius</i>	
	<u>Hares, Rabbits</u>	<u>Leporidae</u>	
11	eastern cottontail	<i>Sylvilagus floridanus</i>	
	<u>Deer</u>	<u>Cervidae</u>	
11	white-tailed deer	<i>Odocoileus virginianus</i>	
<u>Reptile and Amphibian Species</u>			
	<u>Snapping Turtles</u>	<u>Chelydridae</u>	
10	snapping turtle	<i>Chelydra serpentina</i>	
	<u>Pond and Box Turtles</u>	<u>Emydidae</u>	
10	painted turtle	<i>Chrysemys picta</i>	
12	wood turtle	<i>Glyptemys insculpta</i>	SSC, SGCN-HP
	<u>Colubrids</u>	<u>Colubridae</u>	

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
10	ring-necked snake	<i>Diadophis punctatus</i>	
10	milk snake	<i>Lampropeltis traingulum</i>	
10	smooth green snake	<i>Liochlorophis vernalis</i>	SGCN
10	northern water snake	<i>Nerodia sipedon</i>	
10	brown snake	<i>Storeria dekayi</i>	
10	redbelly snake	<i>Storeria occiptomaculata</i>	
10	common garter snake	<i>Thamnophis sirtalis</i>	
12	timber rattlesnake	<i>Crotalus horridus</i>	ST
	<u>Mole Salamanders</u>	<u>Ambystomatidae</u>	
12	Jefferson salamander	<i>Ambystoma jeffersonianum</i>	SSC
10	spotted salamander	<i>Ambystoma maculatum</i>	
	<u>Lungless Salamanders</u>	<u>Plethodontidae</u>	
10	northern dusky salamander	<i>Desmognathus fuscus</i>	
10	Allegheny dusky salamander	<i>Desmognathus ochrophaeus</i>	
10	northern two-lined salamander	<i>Eurycea bislineata</i>	
12	eastern longtail salamander	<i>Eurycea longicauda</i>	SGCN-HP
10	northern spring salamander	<i>Gyrinophilus porphyriticus</i>	
10	northern red-backed salamander	<i>Plethodon cinereus</i>	
10	northern slimy salamander	<i>Plethodon glutinosus</i>	
10	red salamander	<i>Pseudotriton ruber</i>	
	<u>Giant Salamanders</u>	<u>Cryptobranchidae</u>	
12	eastern hellbender	<i>Cryptobranchus alleganiensis</i>	SSC, SGCN-HP
	<u>Newts</u>	<u>Salamandridae</u>	
11	red-spotted newt	<i>Notopthalmus viridescens</i>	
	<u>Toads</u>	<u>Bufo</u>	
10	American toad	<i>Bufo americanus</i>	
	<u>Tree Frogs</u>	<u>Hylidae</u>	
11	gray treefrog	<i>Hyla versicolor</i>	
11	spring peeper	<i>Pseudacris crucifer</i>	
	<u>True Frogs</u>	<u>Ranidae</u>	

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
10	bullfrog	<i>Lithobates catesbeiana</i>	
11	green frog	<i>Lithobates clamitans</i>	
10	pickerel frog	<i>Lithobates palustris</i>	
10	northern leopard frog	<i>Lithobates pipiens</i>	
11	wood frog	<i>Lithobates sylvatica</i>	

Fish Species

	<u>Salmonids</u>	<u>Salmonidae</u>	
14	rainbow trout	<i>Oncorhynchus mykiss</i>	
13, 14	brook trout	<i>Salvelinus fontinalis</i>	
13, 14	brown trout	<i>Salmo trutta</i>	
	<u>Freshwater eels</u>	<u>Anguillidae</u>	
14	freshwater eel	<i>Anguilla rostrata</i>	
	<u>Gobies</u>	<u>Gobiidae</u>	
15	round goby	<i>Neogobius melanostomus</i>	
	<u>Herrings</u>	<u>Clupeidae</u>	
14	alewife	<i>Alosa pseudoharengus</i>	
14	gizzard shad	<i>Dorosoma cepedianum</i>	
	<u>Lampreys</u>	<u>Petromyzontidae</u>	
14	sea lamprey	<i>Petromyzon marinus</i>	
	<u>Carp</u>	<u>Cyprinidae</u>	
14	central stoneroller	<i>Campostoma anomalum</i>	
14	satinfin shiner	<i>Cyprinella analostana</i>	
14	common carp	<i>Cyprinus carpio</i>	
14	cutlip minnow	<i>Exoglossum maxillingua</i>	
14	common shiner	<i>Luxilus cornutus</i>	
14	golden shiner	<i>Notemigonus crysoleucas</i>	
14	comely shiner	<i>Notropis amoenus</i>	SGCN
14	emerald shiner	<i>Notropis atherinoides</i>	
14	spottail shiner	<i>Notropis hudsonius</i>	
14	swallowtail shiner	<i>Notropis procne</i>	SGCN
14	fathead minnow	<i>Pimephales promelas</i>	

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
14	eastern blacknose dace	<i>Rhinichthys atratulus</i>	
14	longnose dace	<i>Rhinichthys cataractae</i>	
14	creek chub	<i>Semotilus atromaculatus</i>	
14	fallfish	<i>Semotilus corporalis</i>	
	<u>Catfish</u>	<u>Ictaluridae</u>	
14	yellow bullhead	<i>Ameiurus natalis</i>	
14	brown bullhead	<i>Ameiurus nebulosus</i>	
14	margined madtom	<i>Noturus insignis</i>	
	<u>Perch</u>	<u>Percidae</u>	
14	tesselated darter	<i>Etheostoma olmstedi</i>	
14	yellow perch	<i>Perca flavescens</i>	
14	shield darter	<i>Percina peltata</i>	
14	walleye	<i>Sander vitreus</i>	
	<u>Pike</u>	<u>Escocidae</u>	
14	redfin pickerel	<i>Esox americanus</i>	
14	chain pickerel	<i>Esox niger</i>	
	<u>Sculpins</u>	<u>Cottidae</u>	
14	mottled sculpin	<i>Cottus bairdii</i>	
14	slimy sculpin	<i>Cottus cognatus</i>	
	<u>Suckers</u>	<u>Catostomidae</u>	
14	longnose sucker	<i>Catostomus catostomus</i>	
14	white sucker	<i>Catostomus commersonii</i>	
14	eastern creek chubsucker	<i>Erimyzon oblongus</i>	
14	northern hogsucker	<i>Hypentelium nigricans</i>	
14	shorthead redhorse	<i>Moxostoma macrolepidotum</i>	
	<u>Sunfish</u>	<u>Centrarchidae</u>	
14	rock bass	<i>Ambloplites rupestris</i>	
14	redbreast sunfish	<i>Lepomis auritus</i>	
14	green sunfish	<i>Lepomis cyanella</i>	
14	pumpkinseed	<i>Lepomis gibbosus</i>	
14	bluegill	<i>Lepomis macrochirus</i>	

<u>Occurrence¹</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Conservation Status²</u>
14	smallmouth bass	<i>Micropterus dolomieu</i>	
14	largemouth bass	<i>Micropterus salmoides</i>	
14	black crappie	<i>Pomoxis nigromaculatus</i>	
	<u>Topminnows</u>	<u>Fundulidae</u>	
14	banded killifish	<i>Fundulus diaphanus</i>	
<u>Invertebrate Species</u>			
	<u>Parnassians and Swallowtails</u>	<u>Papilionidae</u>	
11	tiger swallowtail	<i>Papilio glaucus</i>	
11	black swallowtail	<i>Papilio polyxenes</i>	
	<u>Brush-footed Butterflies</u>	<u>Nymphalidae</u>	
11	white admiral	<i>Limenitis arthemis</i>	
11	monarch	<i>Danaus plexippus</i>	
11	mourning cloak	<i>Nymphalis antiopa</i>	
	<u>Broad-winged damselflies</u>	<u>Calopterygidae</u>	
11	ebony jewelwing	<i>Calopteryx maculata</i>	

¹Species Occurrence Codes:

- 1 Observed in the Facility Area during breeding bird surveys conducted by WEST in 2016.
- 2 Observed in the Facility Area during eagle and raptor use surveys conducted by WEST in 2016–2018.
- 3 Identified in one or more of the following NYS Breeding Bird Atlas Blocks: 4466C, 4466D, 4566A, 4566B, 4566C, 4566D, 4465A, 4465B, 4565A, 4565B, 4465C, 44465D, and 4565C.
- 4 Identified in the eBird database as observed in the nearby Cascade Valley State Forest.
- 5 Identified on the Corbettsville USGS Breeding Bird Survey route.
- 6 Identified during raptor migration surveys conducted by DOAS in 2017 and 2018.
- 7 Identified by NYNHP as occurring within 10 miles of the Facility Site.
- 8 Identified in USFWS IPaC resource list as potentially occurring at or near the Facility Site.
- 9 Species identified in the NYS Herp Atlas as occurring in the North Sanford, Windsor, Gulf Summit, and Deposit quadrangles.
- 10 Species commonly occurring in New York State and likely to occur within the Facility Site
- 11 Species identified by EDR during on-site wetland and plant surveys.
- 12 Uncommon to rare species that have not been observed but may occur in suitable habitats within the Facility Site.
- 13 Species identified by NYSDEC as occurring in Oquaga Creek.
- 14 Species identified as occurring in the vicinity of the Facility Site in the Atlas of Fishes of New York.
- 15 Species identified as occurring in the vicinity of the Facility Site by New York Invasive Species Information.

² 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