

PLANT SPECIES INVENTORY

Observed During Field Surveys in the Vicinity of the Project Site

	<u>Family</u>	<u>Genus</u>	<u>species</u>	<u>common name</u>
1,3,4,5	<b>Aceraceae</b>	<i>Acer</i>	<i>negundo</i>	box elder
5	Aceraceae	<i>Acer</i>	<i>platanoides</i>	Norway maple
1,5	<b>Aceraceae</b>	<i>Acer</i>	<i>rubrum</i>	red maple
5	Aceraceae	<i>Acer</i>	<i>saccharinum</i>	silver maple
5	Aceraceae	<i>Acer</i>	<i>saccharum</i>	sugar maple
5	Adoxaceae	<i>Sambucus</i>	<i>nigra</i>	common elderberry
5	Adoxaceae	<i>Sambucus</i>	<i>racemosa</i>	red elderberry
5	Adoxaceae	<i>Viburnum</i>	<i>acerifolium</i>	mapleleaf viburnum
5	Adoxaceae	<i>Viburnum</i>	<i>dentatum</i>	arrowwood
5	Adoxaceae	<i>Viburnum</i>	<i>opulus</i>	highbush cranberry
5	Alismataceae	<i>Alisma</i>	<i>subcordatum</i>	water-plantain
5	Alismataceae	<i>Sagittaria</i>	<i>latifolia</i>	arrowhead
1,3,5	<b>Anacardiaceae</b>	<i>Rhus</i>	<i>typhina</i>	staghorn sumac
5	Anacardiaceae	<i>Toxicodendron</i>	<i>radicans</i>	poison ivy
1,2,3,5	<b>Apiaceae</b>	<i>Daucus</i>	<i>carota</i>	Queen Anne's lace
5	Apiaceae	<i>Pastinaca</i>	<i>sativa</i>	wild parsnip
3	<b>Apocynaceae</b>	<i>Apocynum</i>	<i>androsaemifolium</i>	spreading dogbane
5	Apocynaceae	<i>Asclepias</i>	<i>incarnata</i>	swamp milkweed
5	Apocynaceae	<i>Asclepias</i>	<i>syriaca</i>	common milkweed
3,4	<b>Apocynaceae</b>	<i>Asclepias</i>	<i>tuberosa</i>	butterflyweed
3,5	<b>Apocynaceae</b>	<i>Cynanchum</i>	<i>louisiae</i>	black swallow-wort
5	Araceae	<i>Arisaema</i>	<i>triphillum</i>	jack-in-the-pulpit
5	Araceae	<i>Lemna</i>	<i>minor</i>	lesser duckweed
5	Araceae	<i>Symplocarpus</i>	<i>foetidus</i>	skunk cabbage
5	Araliaceae	<i>Aralia</i>	<i>nudicaulis</i>	sarsaparilla
5	Araliaceae	<i>Panax</i>	<i>quinquefolius</i>	American ginseng
5	Asteraceae	<i>Ageratina</i>	<i>altissima</i>	white snakeroot
3,5	<b>Asteraceae</b>	<i>Ambrosia</i>	<i>artemesiifolia</i>	ragweed
5	Asteraceae	<i>Anaphalis</i>	<i>margaritacea</i>	pearly everlasting
5	Asteraceae	<i>Arctium</i>	<i>minus</i>	common burdock
3	<b>Asteraceae</b>	<i>Artemisia</i>	<i>vulgaris</i>	mugwort
5	Asteraceae	<i>Bidens</i>	<i>connata</i>	swamp beggartick
2	<b>Asteraceae</b>	<i>Bidens</i>	<i>frondosa</i>	devils's beggartick
3	<b>Asteraceae</b>	<i>Centaurea</i>	<i>jacea</i>	brown knapweed
3,5	<b>Asteraceae</b>	<i>Centaurea</i>	<i>stoebe</i>	spotted knapweed
5	Asteraceae	<i>Cichorium</i>	<i>intybus</i>	chicory
2,3	<b>Asteraceae</b>	<i>Cirsium</i>	<i>vulgare</i>	bull thistle
5	Asteraceae	<i>Erigeron</i>	<i>annuus</i>	daisy fleabane

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3,5	Asteraceae	<i>Eupatorium</i>	<i>altissimum</i>	tall boneset
5	Asteraceae	<i>Eurybia</i>	<i>macrophylla</i>	bigleaf aster
3,5	<b>Asteraceae</b>	<b><i>Euthamia</i></b>	<b><i>graminifolia</i></b>	<b>flat-topped goldenrod</b>
5	Asteraceae	<i>Helenium</i>	<i>autumnale</i>	common sneezeweed
5	Asteraceae	<i>Lactuca</i>	<i>biennis</i>	tall blue lettuce
5	Asteraceae	<i>Lactuca</i>	<i>canadenis</i>	Canada lettuce
2	<b>Asteraceae</b>	<b><i>Lactuca</i></b>	<b><i>serriola</i></b>	<b>prickly lettuce</b>
5	Asteraceae	<i>Pilosella</i>	<i>caespitosa</i>	meadow hawkweed
3,5	<b>Asteraceae</b>	<b><i>Rudbeckia</i></b>	<b><i>hirta</i></b>	<b>black-eyed Susan</b>
1,2,3,4	<b>Asteraceae</b>	<b><i>Solidago</i></b>	<b><i>spp.</i></b>	<b>goldenrods</b>
5	Asteraceae	<i>Solidago</i>	<i>bicolor</i>	silverrod
5	Asteraceae	<i>Solidago</i>	<i>caesia</i>	wreath goldenrod
5	Asteraceae	<i>Solidago</i>	<i>juncea</i>	early goldenrod
5	Asteraceae	<i>Solidago</i>	<i>rugosa</i>	rough-stemmed goldenrod
5	Asteraceae	<i>Solidago</i>	<i>sempervirens</i>	seaside goldenrod
5	Asteraceae	<i>Symphyotrichum</i>	<i>lanceolatum</i>	white panicle aster
2,5	<b>Asteraceae</b>	<b><i>Symphyotrichum</i></b>	<b><i>lateriflorum</i></b>	<b>calico aster</b>
5	Asteraceae	<i>Symphyotrichum</i>	<i>novae-angliae</i>	New England aster
5	Asteraceae	<i>Symphyotrichum</i>	<i>prenanthoides</i>	crooked stem aster
5	Asteraceae	<i>Symphyotrichum</i>	<i>subulatum</i>	saltmarsh aster
2	<b>Asteraceae</b>	<b><i>Xanthium</i></b>	<b><i>strumarium</i></b>	<b>cocklebur</b>
5	Asteraceae	<i>Taraxacum</i>	<i>officinale</i>	dandelion
5	Balsaminaceae	<i>Impatiens</i>	<i>capensis</i>	spotted jewelweed
5	Balsaminaceae	<i>Impatiens</i>	<i>pallida</i>	pale jewelweed
5	Berberidaceae	<i>Berberis</i>	<i>vulgaris</i>	common barberry
5	Berberidaceae	<i>Podophyllum</i>	<i>peltatum</i>	mayapple
5	Betulaceae	<i>Alnus</i>	<i>incana</i>	speckled alder
5	Betulaceae	<i>Betula</i>	<i>alleghaniensis</i>	yellow birch
2	<b>Betulaceae</b>	<b><i>Betula</i></b>	<b><i>papyrifera</i></b>	<b>paper birch</b>
3,4	<b>Betulaceae</b>	<b><i>Betula</i></b>	<b><i>pendula</i></b>	<b>European birch</b>
5	Betulaceae	<i>Carpinus</i>	<i>caroliniana</i>	musclewood
5	Betulaceae	<i>Ostrya</i>	<i>virginiana</i>	eastern hophornbeam
1	<b>Bignoniaceae</b>	<b><i>Catalpa</i></b>	<b><i>bignonioides</i></b>	<b>southern catalpa</b>
3	<b>Boraginaceae</b>	<b><i>Echium</i></b>	<b><i>vulgare</i></b>	<b>viper's bugloss</b>
1,5	<b>Brassicaceae</b>	<b><i>Alliaria</i></b>	<b><i>petiolata</i></b>	<b>garlic mustard</b>
2	<b>Brassicaceae</b>	<b><i>Brassica</i></b>	<b><i>juncea</i></b>	<b>brown mustard</b>
5	Brassicaceae	<i>Brassica</i>	<i>nigra</i>	black mustard

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5	Brassicaceae	<i>Lepidium</i>	<i>campestre</i>	field pepperweed
5	Brassicaceae	<i>Nasturtium</i>	<i>officinale</i>	water-cress
3	<b>Brassicaceae</b>	<b><i>Raphanus</i></b>	<b><i>raphanistrum</i></b>	<b>wild radish</b>
1,3,4	<b>Caprifoliaceae</b>	<b><i>Lonicera</i></b>	<b><i>morrowii</i></b>	<b>Morrow's honeysuckle</b>
5	Caryophyllaceae	<i>Spergularia</i>	<i>maritima</i>	greater sea-spurrey
5	Celastraceae	<i>Celastrus</i>	<i>orbiculatus</i>	Oriental bitterweet
5	Celastraceae	<i>Euonymus</i>	<i>europaeus</i>	European spindle tree
5	Ceratophyllaceae	<i>Ceratophyllum</i>	<i>demersum</i>	common coontail
5	Chenopodiaceae	<i>Chenopodium</i>	<i>album</i>	lamb's-quarters
5	Chenopodiaceae	<i>Chenopodium</i>	<i>rubrum</i>	coast-blite goosefoot
5	Convolvulaceae	<i>Cuscuta</i>	<i>gronovii</i>	common dodder
5	Cornaceae	<i>Cornus</i>	<i>alternifolia</i>	alternate-leaved dogwood
5	Cornaceae	<i>Cornus</i>	<i>amomum</i>	silky dogwood
5	Cornaceae	<i>Cornus</i>	<i>racemosa</i>	gray dogwood
3,5	<b>Cornaceae</b>	<b><i>Cornus</i></b>	<b><i>sericea</i></b>	<b>red osier dogwood</b>
5	Cucurbitaceae	<i>Echinocystis</i>	<i>lobata</i>	wild cucumber
3	<b>Cupressaceae</b>	<b><i>Juniperus</i></b>	<b><i>communis</i></b>	<b>dwarf juniper</b>
3,5	<b>Cupressaceae</b>	<b><i>Juniperus</i></b>	<b><i>virginiana</i></b>	<b>red cedar</b>
3,5	<b>Cupressaceae</b>	<b><i>Thuja</i></b>	<b><i>occidentalis</i></b>	<b>northern white cedar</b>
5	Cyperaceae	<i>Bulboschoenus</i>	<i>maritimus</i>	saltmarsh bulrush
5	Cyperaceae	<i>Carex</i>	<i>crinita</i>	fringed sedge
5	Cyperaceae	<i>Carex</i>	<i>grayi</i>	Gray's sedge
5	Cyperaceae	<i>Carex</i>	<i>lupulina</i>	hop sedge
5	Cyperaceae	<i>Eleocharis</i>	<i>palustris</i>	common spike-rush
5	Cyperaceae	<i>Eleocharis</i>	<i>parvula</i>	dwarf spike-rush
5	Cyperaceae	<i>Schoenoplectus</i>	<i>tabernaemontani</i>	soft-stemmed bulrush
5	Cyperaceae	<i>Scirpus</i>	<i>atrovirens</i>	green bulrush
5	Cyperaceae	<i>Scirpus</i>	<i>cyperinus</i>	woolgrass
5	Dipsacaceae	<i>Dipsacus</i>	<i>fullonum</i>	teasel
5	Dryopteridaceae	<i>Dryopteris</i>	<i>carthusiana</i>	spinulose woodfern
5	Dryopteridaceae	<i>Dryopteris</i>	<i>intermedia</i>	evergreen woodfern
5	Dryopteridaceae	<i>Polystichum</i>	<i>acrostichoides</i>	Christmas fern
3	<b>Elaeagnaceae</b>	<b><i>Elaeagnus</i></b>	<b><i>umbellata</i></b>	<b>autumn olive</b>
5	Equisetaceae	<i>Equisetum</i>	<i>arvense</i>	field horsetail
5	Fabaceae	<i>Amphicarpaea</i>	<i>bracteata</i>	hog peanut
5	Fabaceae	<i>Apisos</i>	<i>americana</i>	American groundnut

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5	Fabaceae	<i>Cercis</i>	<i>canadensis</i>	eastern redbud
5	Fabaceae	<i>Desmodium</i>	<i>cuspidatum</i>	toothed tick-trefoil
1,5	<b>Fabaceae</b>	<b><i>Gleditsia</i></b>	<b><i>triacanthos</i></b>	<b>honey locust</b>
5	Fabaceae	<i>Medicago</i>	<i>lupulina</i>	black medick
2,3	<b>Fabaceae</b>	<b><i>Melilotus</i></b>	<b><i>alba</i></b>	<b>white sweet clover</b>
1,5	<b>Fabaceae</b>	<b><i>Robinia</i></b>	<b><i>pseudoacacia</i></b>	<b>black locust</b>
5	Fabaceae	<i>Trifolium</i>	<i>pratense</i>	red clover
5	Fabaceae	<i>Trifolium</i>	<i>repens</i>	white clover
1,4	<b>Fabaceae</b>	<b><i>Vicia</i></b>	<b><i>spp.</i></b>	<b>vetch</b>
5	Fagaceae	<i>Fagus</i>	<i>grandifolia</i>	American beech
5	Fagaceae	<i>Quercus</i>	<i>alba</i>	white oak
5	Fagaceae	<i>Quercus</i>	<i>bicolor</i>	swamp white oak
5	Fagaceae	<i>Quercus</i>	<i>palustris</i>	pin oak
5	Fagaceae	<i>Quercus</i>	<i>rubra</i>	red oak
5	Geraniaceae	<i>Geranium</i>	<i>maculatum</i>	wild geranium
5	Haloragaceae	<i>Myriophyllum</i>	<i>sibiricum</i>	northern water-milfoil
5	Haloragaceae	<i>Myriophyllum</i>	<i>spicatum</i>	Eurasian water-milfoil
5	Hamamelidaceae	<i>Hamamelis</i>	<i>virginiana</i>	witch hazel
5	Hydrocharitaceae	<i>Najas</i>	<i>flexilis</i>	slender naiad
5	Hydrocharitaceae	<i>Najas</i>	<i>minor</i>	brittle naiad
5	Hydrocharitaceae	<i>Vallisneria</i>	<i>americana</i>	eel-grass
3	<b>Hypericaceae</b>	<b><i>Hypericum</i></b>	<b><i>perforatum</i></b>	<b>common St.John's-wort</b>
5	Iridaceae	<i>Iris</i>	<i>psuedacorus</i>	yellow iris
5	Iridaceae	<i>Iris</i>	<i>versicolor</i>	blueflag
5	Juglandaceae	<i>Carya</i>	<i>cordiformis</i>	bitternut hickory
5	Juglandaceae	<i>Carya</i>	<i>glabra</i>	pignut hickory
5	Juglandaceae	<i>Carya</i>	<i>ovata</i>	shagbark hickory
5	Juglandaceae	<i>Juglans</i>	<i>cinerea</i>	butternut
5	Juglandaceae	<i>Juglans</i>	<i>nigra</i>	black walnut
5	Juncaceae	<i>Juncus</i>	<i>effusus</i>	soft rush
5	Juncaceae	<i>Juncus</i>	<i>gerardii</i>	black-grass rush
5	Lamiaceae	<i>Collinsonia</i>	<i>canadensis</i>	horse-balm
2,5	<b>Lamiaceae</b>	<b><i>Glechoma</i></b>	<b><i>hederacea</i></b>	<b>ground ivy</b>
5	Lamiaceae	<i>Leonurus</i>	<i>cardiaca</i>	motherwort
2	<b>Lamiaceae</b>	<b><i>Mentha</i></b>	<b><i>spp.</i></b>	<b>mint</b>
5	Lamiaceae	<i>Prunella</i>	<i>vulgaris</i>	self-heal

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5	Lauraceae	<i>Lindera</i>	<i>benzoin</i>	spicebush
2,5	<b>Lythraceae</b>	<b><i>Lythrum</i></b>	<b><i>salicaria</i></b>	<b>purple loosestrife</b>
5	Lythraceae	<i>Trapa</i>	<i>natans</i>	water chestnut
5	Magnoliaceae	<i>Liriodendron</i>	<i>tulipifera</i>	tulip tree
3	<b>Malvaceae</b>	<b><i>Abutilon</i></b>	<b><i>theophrasti</i></b>	<b>velvetleaf</b>
5	Malvaceae	<i>Hibiscus</i>	<i>moscheutos</i>	swamp rosemallow
5	Malvaceae	<i>Malva</i>	<i>neglecta</i>	common mallow
5	Melanthiaceae	<i>Trillium</i>	<i>erectum</i>	wake robin
5	Moraceae	<i>Morus</i>	<i>alba</i>	white mulberry
1	<b>Moraceae</b>	<b><i>Morus</i></b>	<b><i>rubra</i></b>	<b>red mulberry</b>
5	<b>Nymphaeaceae</b>	<b><i>Nymphaea</i></b>	<b><i>odorata</i></b>	<b>white water-lily</b>
1,5	<b>Oleaceae</b>	<b><i>Fraxinus</i></b>	<b><i>americana</i></b>	<b>white ash</b>
1,2,3,4,5	<b>Oleaceae</b>	<b><i>Fraxinus</i></b>	<b><i>pennsylvanica</i></b>	<b>green ash</b>
5	Oleaceae	<i>Ligustrum</i>	<i>vulgare</i>	European privet
5	Onagraceae	<i>Circaea</i>	<i>lutetiana</i>	common enchanter's nightshade
5	Onagraceae	<i>Epilobium</i>	<i>coloratum</i>	eastern willow-herb
3,5	<b>Onagraceae</b>	<b><i>Oenothera</i></b>	<b><i>biennis</i></b>	<b>evening primrose</b>
5	Onocleaceae	<i>Onoclea</i>	<i>sensibilis</i>	sensitive fern
5	Orchidaceae	<i>Epipactis</i>	<i>helleborine</i>	weed orchid
5	Orchidaceae	<i>Platanthera</i>	<i>aquilonis</i>	northern green orchid
5	Orobanchaceae	<i>Epifagus</i>	<i>virginiana</i>	beechdrops
5	Osmundaceae	<i>Osmunda</i>	<i>claytonia</i>	interrupted fern
3,5	<b>Oxalidaceae</b>	<b><i>Oxalis</i></b>	<b><i>stricta</i></b>	<b>upright yellow wood sorrel</b>
5	Pinaceae	<i>Picea</i>	<i>abies</i>	Norway spruce
5	Pinaceae	<i>Picea</i>	<i>pungens</i>	blue spruce
5	Pinaceae	<i>Pinus</i>	<i>banksiana</i>	jack pine
5	Pinaceae	<i>Pinus</i>	<i>nigra</i>	Austrian pine
5	Pinaceae	<i>Pinus</i>	<i>strobus</i>	white pine
3,5	<b>Pinaceae</b>	<b><i>Pinus</i></b>	<b><i>sylvestris</i></b>	<b>Scotch pine</b>
5	Plantaginaceae	<i>Linaria</i>	<i>vulgaris</i>	butter-and-eggs
5	Plantaginaceae	<i>Plantago</i>	<i>lanceolata</i>	English plantain
5	Plantaginaceae	<i>Plantago</i>	<i>major</i>	common plantain
5	Plantaginaceae	<i>Veronica</i>	<i>officinalis</i>	common speedwell
5	Platanaceae	<i>Platanus</i>	<i>occidentalis</i>	sycamore
5	Poaceae	<i>Agrostis</i>	<i>gigantea</i>	redtop
5	Poaceae	<i>Agrostis</i>	<i>stolonifera</i>	creeping bentgrass

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5	Poaceae	<i>Andropogon</i>	<i>gerardii</i>	big bluestem
4	<b>Poaceae</b>	<b><i>Bromus</i></b>	<b><i>inermis</i></b>	<b>smooth brome</b>
5	Poaceae	<i>Dactylis</i>	<i>glomerata</i>	orchard grass
5	Poaceae	<i>Digitaria</i>	<i>sanguinalis</i>	hairy crabgrass
5	Poaceae	<i>Distichlis</i>	<i>spicata</i>	inland saltgrass
5	Poaceae	<i>Echinochloa</i>	<i>muricata</i>	rough barnyard grass
5	Poaceae	<i>Glyceria</i>	<i>melicaria</i>	slender manna grass
5	Poaceae	<i>Leptochloa</i>	<i>fusca</i>	bearded sprangletop
5	Poaceae	<i>Panicum</i>	<i>capillare</i>	old witch panic-grass
5	Poaceae	<i>Panicum</i>	<i>dichotomiflorum</i>	fall panicgrass
5	Poaceae	<i>Panicum</i>	<i>flexile</i>	wiry panicgrass
5	Poaceae	<i>Panicum</i>	<i>virgatum</i>	switchgrass
5	Poaceae	<i>Phalaris</i>	<i>arundinacea</i>	reed canary grass
2,3,4,5	<b>Poaceae</b>	<b><i>Phragmites</i></b>	<b><i>australis</i></b>	<b>common reed</b>
3	<b>Poaceae</b>	<b><i>Poa</i></b>	<b><i>compressa</i></b>	<b>Canada bluegrass</b>
5	Poaceae	<i>Puccinellia</i>	<i>distans</i>	weeping alkaligrass
5	Poaceae	<i>Schedonorus</i>	<i>arundinaceus</i>	tall fescue
5	Poaceae	<i>Setaria</i>	<i>pumila</i>	yellow bristlegrass
5	Poaceae	<i>Spartina</i>	<i>alternifolia</i>	saltwater cordgrass
5	Poaceae	<i>Spartina</i>	<i>patens</i>	saltmeadow cordgrass
5	Poaceae	<i>Spartina</i>	<i>pectinata</i>	fresh water cordgrass
5	Poaceae	<i>Zizania</i>	<i>palustris</i>	northern wild rice
5	Polygonaceae	<i>Fallopia</i>	<i>japonica</i>	Japanese knotweed
5	Polygonaceae	<i>Persicaria</i>	<i>amphibia</i>	water smartweed
3	<b>Polygonaceae</b>	<b><i>Persicaria</i></b>	<b><i>maculosa</i></b>	<b>spotted lady's-thumb</b>
5	Polygonaceae	<i>Persicaria</i>	<i>pennsylvanica</i>	Pennsylvania smartweed
5	Polygonaceae	<i>Persicaria</i>	<i>virginiana</i>	jumpseed
5	Polygonaceae	<i>Rumex</i>	<i>crispus</i>	curly dock
5	Polygonaceae	<i>Rumex</i>	<i>obtusifolius</i>	broad-leaved dock
5	Pontederiaceae	<i>Pontederia</i>	<i>cordata</i>	pickerelweed
5	Potamogetonaceae	<i>Potamogeton</i>	<i>crispus</i>	curly pondweed
5	Potamogetonaceae	<i>Potamogeton</i>	<i>pusillus</i>	small pondweed
5	Primulaceae	<i>Lysimachia</i>	<i>nummularia</i>	creeping Jennie
5	Ranunculaceae	<i>Actaea</i>	<i>rubra</i>	red baneberry
5	Ranunculaceae	<i>Anemone</i>	<i>acutiloba</i>	sharp-lobed hepatica
3	<b>Ranunculaceae</b>	<b><i>Anemone</i></b>	<b><i>canadensis</i></b>	<b>Canada anemone</b>

PLANT SPECIES INVENTORY

Observed During Field Surveys in the Vicinity of the Project Site

	<u>Family</u>	<u>Genus</u>	<u>species</u>	<u>common name</u>
5	Ranunculaceae	<i>Anemone</i>	<i>virginiana</i>	tall thimbleweed
5	Ranunculaceae	<i>Thalictrum</i>	<i>pubescens</i>	tall meadow-rue
3	<b>Rhamnaceae</b>	<b><i>Frangula</i></b>	<b><i>alnus</i></b>	<b>glossy buckthorn</b>
1,3,4,5	<b>Rhamnaceae</b>	<b><i>Rhamnus</i></b>	<b><i>cathartica</i></b>	<b>buckthorn</b>
5	Rosaceae	<i>Argentina</i>	<i>anserina</i>	silverweed cinquefoil
5	Rosaceae	<i>Fragaria</i>	<i>vesca</i>	woodland strawberry
3,5	<b>Rosaceae</b>	<b><i>Fragaria</i></b>	<b><i>virginiana</i></b>	<b>wild strawberry</b>
5	Rosaceae	<i>Geum</i>	<i>aleppicum</i>	yellow avens
5	Rosaceae	<i>Geum</i>	<i>canadense</i>	white avens
5	Rosaceae	<i>Prunus</i>	<i>serotina</i>	black cherry
5	Rosaceae	<i>Prunus</i>	<i>virginiana</i>	choke cherry
5	Rosaceae	<i>Rhodotypos</i>	<i>scandens</i>	black jetbead
5	Rosaceae	<i>Rosa</i>	<i>multiflora</i>	multiflora rose
5	Rosaceae	<i>Rubus</i>	<i>alleghaniensis</i>	blackberry
5	Rosaceae	<i>Rubus</i>	<i>occidentalis</i>	black raspberry
5	Rosaceae	<i>Sorbus</i>	<i>aucuparia</i>	European mountain-ash
5	Rubiaceae	<i>Cephalanthus</i>	<i>occidentalis</i>	buttonbush
5	Rubiaceae	<i>Galium</i>	<i>mollugo</i>	white bedstraw
5	Ruppiaceae	<i>Ruppia</i>	<i>maritima</i>	ditch-grass
5	Ruscaceae	<i>Maianthemum</i>	<i>canadense</i>	Canada mayflower
5	Ruscaceae	<i>Maianthemum</i>	<i>racemosum</i>	false Solomon's-seal
3,5	<b>Salicaceae</b>	<b><i>Populus</i></b>	<b><i>alba</i></b>	<b>white poplar</b>
1,3,5	<b>Salicaceae</b>	<b><i>Populus</i></b>	<b><i>deltoides</i></b>	<b>eastern cottonwood</b>
1,4,5	<b>Salicaceae</b>	<b><i>Populus</i></b>	<b><i>tremuloides</i></b>	<b>quaking aspen</b>
5	Salicaceae	<i>Salix</i>	<i>pendulina</i>	Wisconsin weeping willow
5	Saururaceae	<i>Saururus</i>	<i>cernuus</i>	lizard's tail
3	<b>Scrophulariaceae</b>	<b><i>Verbascum</i></b>	<b><i>thapsus</i></b>	<b>common mullein</b>
5	Simaroubaceae	<i>Ailanthus</i>	<i>altissima</i>	tree-of-heaven
2,5	<b>Solanaceae</b>	<b><i>Solanum</i></b>	<b><i>dulcamara</i></b>	<b>deadly nightshade</b>
5	Staphyleaceae	<i>Staphylea</i>	<i>trifolia</i>	bladdernut
1,5	<b>Tiliaceae</b>	<b><i>Tilia</i></b>	<b><i>americana</i></b>	<b>American basswood</b>
5	Tiliaceae	<i>Tilia</i>	<i>cordata</i>	little-leaf linden
5	Typhaceae	<i>Typha</i>	<i>angustifolia</i>	narrowleaf cattail
5	Typhaceae	<i>Typha</i>	<i>latifolia</i>	broadleaf cattail
5	Typhaceae	<i>Sparganium</i>	<i>americanum</i>	American bur-reed
1,5	<b>Ulmaceae</b>	<b><i>Ulmus</i></b>	<b><i>americana</i></b>	<b>American elm</b>

## PLANT SPECIES INVENTORY

Observed During Field Surveys in the Vicinity of the Project Site

	<u>Family</u>	<u>Genus</u>	<u>species</u>	<u>common name</u>
5	Urticaceae	<i>Boehmeria</i>	<i>cylandrica</i>	false nettle
5	Urticaceae	<i>Laportea</i>	<i>canadensis</i>	wood nettle
5	Urticaceae	<i>Pilea</i>	<i>pumila</i>	clearweed
5	Urticaceae	<i>Urtica</i>	<i>dioica</i>	stinging nettle
5	Vitaceae	<i>Parthenocissus</i>	<i>quinquefolia</i>	Virginia creeper
5	Vitaceae	<i>Vitis</i>	<i>labrusca</i>	northern fox grape
5	Vitaceae	<i>Vitis</i>	<i>riparia</i>	riverbank grape
5	Woodsiaceae	<i>Athyrium</i>	<i>filix-femina</i>	lady fern

Notes: **Bold** denotes those species actually observed on site.

1 Species identified during on-site ecological surveys conducted by O'Brien & Gere in 2004 and 2005 (OBG, 2011).

2 Species identified during on-site wetland investigations conducted by O'Brien & Gere in 2004 and 2008 (OBG, 2010).

3 Species identified during on-site ecological surveys conducted by EDR in 2014.

4 Species identified on wastebeds in 2012 and 2013 during Anand Chaudhury's SUNY-ESF thesis research (Chaudhury, 2014).

5 Species identified in the vicinity of the Project site (but not on the wastebeds) during the September 2014 bioblitz at Onondaga Lake bioblitz.



## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
<b>Bird Species</b>		
	<u>Loons</u>	<u>Gaviidae</u>
6,8,11	common loon	<i>Gavia immer</i>
6	red-throated loon	<i>Gavia stellata</i>
	<u>Grebes</u>	<u>Pedicipedidae</u>
6,8	horned grebe	<i>Podiceps auritus</i>
6	red-necked grebe	<i>Podiceps grisegena</i>
5,6,8,11	pie-billed grebe	<i>Podilymbus podiceps</i>
	<u>Comorants</u>	<u>Phalacrocoracidae</u>
4,6,8,11	double crested cormorant	<i>Phalacrocorax auritus</i>
	<u>Hérons, Bitterns</u>	<u>Ardeidae</u>
4,5,6,9,11	<b>great blue heron</b>	<b><i>Ardea herodias</i></b>
4	American bittern	<i>Botaurus lentiginosus</i>
4,5,9,10,11	<b>green heron</b>	<b><i>Butorides virescens</i></b>
4,6,11	black-crowned night heron	<i>Nycticorax nycticorax</i>
	<u>Waterfowl</u>	<u>Anatidae</u>
4,5,6,8,11	wood duck	<i>Aix sponsa</i>
6,8	northern pintail	<i>Anas acuta</i>
6,8	American wigeon	<i>Anas americana</i>
4,5,6,11	green-winged teal	<i>Anas crecca</i>
4	blue-winged teal	<i>Anas discors</i>
4,5,6,8,9,11	<b>mallard</b>	<b><i>Anas platyrhynchos</i></b>
4,5,6,8,11	American black duck	<i>Anas rubripes</i>
6,8	gadwall	<i>Anas strepera</i>
6,8	lesser scaup	<i>Aythya affinis</i>
6,8	redhead	<i>Aythya americana</i>
6,8	ring-necked duck	<i>Aythya collaris</i>
6,8	greater scaup	<i>Aythya marila</i>
6,8	canvasback	<i>Aythya valisineria</i>
6	brant	<i>Branta bernicla</i>
4,5,6,8,9,11	<b>Canada goose</b>	<b><i>Branta canadensis</i></b>
6	cackling goose	<i>Branta hutchinsii</i>
6,8	bufflehead	<i>Bucephala albeola</i>
6,8	common goldeneye	<i>Bucephala clangula</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
6,11	snow goose	<i>Chen caerulescens</i>
6,8	long-tailed duck	<i>Clangula hyemalis</i>
6	trumpeter swan	<i>Cygnus buccinator</i>
6,8	tundra swan	<i>Cygnus columbianus</i>
6,11	mute swan	<i>Cygnus olor</i>
6,8	hooded merganser	<i>Lophodytes cacullatus</i>
6,8	white-winged scoter	<i>Melanitta fusca</i>
6	surf scoter	<i>Melanitta perspicillata</i>
6,8,11	common merganser	<i>Mergus merganser</i>
6,8	red-breasted merganser	<i>Mergus serrator</i>
6,8	ruddy duck	<i>Oxyura jamaicensis</i>
	<u>American Vultures</u>	<u>Cathartidae</u>
4,5,6,9	<b>turkey vulture</b>	<i>Cathartes aura</i>
	<u>Falcons</u>	<u>Falconidae</u>
6,9,11	<b>merlin</b>	<i>Falco columbarius</i>
6,8,11	peregrine falcon	<i>Falco peregrinus</i>
4,5,6,11	American kestrel	<i>Falco sparverius</i>
	<u>Osprey</u>	<u>Pandionidae</u>
2,4,5,9,11	<b>osprey</b>	<i>Pandion haliaetus</i>
	<u>Hawks</u>	<u>Accipitridae</u>
1,4,5,6,11	<b>Cooper's hawk</b>	<i>Accipiter cooperii</i>
6	northern goshawk	<i>Accipiter gentilis</i>
4,5,6	sharp-shinned hawk	<i>Accipiter striatus</i>
4,5,6,11	red-tailed hawk	<i>Buteo jamaicensis</i>
6	rough-legged hawk	<i>Buteo lagopus</i>
6	red-shouldered hawk	<i>Buteo lineatus</i>
4,9,11	<b>broad-winged hawk</b>	<i>Buteo platypterus</i>
4,5,6	northern harrier	<i>Circus cyaneus</i>
1,6,8,9,11	<b>bald eagle</b>	<i>Haliaeetus leucocephalus</i>
	<u>Quail</u>	<u>Odontophoridae</u>
4	northern bobwhite	<i>Colinus virginiana</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
	<u>Pheasants</u>	<u>Phasianidae</u>
4,5,6	ring-necked pheasant	<i>Phasianus colchicus</i>
	<u>Grouse</u>	<u>Tetraonidae</u>
5,6	ruffed grouse	<i>Bonasa umbellus</i>
	<u>Turkeys</u>	<u>Meleagrididae</u>
4,5,6,9	wild turkey	<b><i>Meleagris gallopavo</i></b>
	<u>Rails</u>	<u>Rallidae</u>
6,8	American coot	<i>Fulica americana</i>
4	common gallinule	<i>Gallinula galeata</i>
4,5	sora rail	<i>Porzana carolina</i>
5	Virginia rail	<i>Rallus limicola</i>
	<u>Plovers</u>	<u>Charadriidae</u>
4,5,9,10,11	killdeer	<b><i>Charadrius vociferus</i></b>
	<u>Sandpipers</u>	<u>Scolopacidae</u>
4,5,9,10	spotted sandpiper	<b><i>Actitis macularia</i></b>
11	ruddy turnstone	<i>Arenaria interpres</i>
4	upland sandpiper	<i>Bartramia longicauda</i>
6	purple sandpiper	<i>Calidris maritima</i>
11	least sandpiper	<i>Calidris minutilla</i>
11	Wilson's snipe	<i>Gallinago delicata</i>
	common snipe	<i>Gallinago gallinago</i>
4,5,9	<b>American woodcock</b>	<b><i>Scolopax minor</i></b>
11	greater yellowlegs	<i>Tringa melanoleuca</i>
	<u>Gulls</u>	<u>Laridae</u>
6,8	Bonaparte's gull	<i>Chroicocephalus philadelphia</i>
11	Caspian tern	<i>Hydroprogne caspia</i>
4,6,8,11	herring gull	<i>Larus argentatus</i>
4,6,8,11	ring-billed gull	<i>Larus delawarensis</i>
6	lesser black-backed gull	<i>Larus fuscus</i>
6	Iceland gull	<i>Larus glaucoides</i>
6	glaucous gull	<i>Larus hyperboreus</i>
6,8,11	great black-backed gull	<i>Larus marinus</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
	<u>Terns</u>	<u>Sternidae</u>
4	black tern	<i>Chlidonias niger</i>
4,9,11	<b>common tern</b>	<b><i>Sterna hirundo</i></b>
	<u>Pigeons, Doves</u>	<u>Columbidae</u>
4,5,6,11	rock dove	<i>Columba livia</i>
4,5,6,9,11	<b>mourning dove</b>	<b><i>Zenaida macroura</i></b>
	<u>Cuckoos</u>	<u>Cuculidae</u>
4,5	yellow-billed cuckoo	<i>Coccyzus americanus</i>
4,5	black-billed cuckoo	<i>Coccyzus erythrophthalmus</i>
	<u>Typical Owls</u>	<u>Strigidae</u>
8	short-eared owl	<i>Asio flammeus</i>
6	snowy owl	<i>Bubo scandiacus</i>
4,5,6	great horned owl	<i>Bubo virginianus</i>
6	eastern screech owl	<i>Otus asio</i>
6	barred owl	<i>Strix varia</i>
	<u>Goat Suckers</u>	<u>Caprimulgidae</u>
	whip-poor-will	<i>Caprimulgus vociferus</i>
5	<b>common nighthawk</b>	<b><i>Chordeiles minor</i></b>
	<u>Swifts</u>	<u>Apodidae</u>
4,5,11	chimney swift	<i>Chaetura pelagica</i>
	<u>Hummingbirds</u>	<u>Trochilidae</u>
4,5,11	ruby-throated hummingbird	<i>Archilochus colubris</i>
	<u>Kingfishers</u>	<u>Alcedinidae</u>
1,2,4,5,6,8,9,10,11	<b>belted kingfisher</b>	<b><i>Megaceryle alcyon</i></b>
	<u>Woodpeckers</u>	<u>Picidae</u>
2,5,6,9,11	<b>northern flicker</b>	<b><i>Colaptes auratus</i></b>
4,5,6,9	<b>pileated woodpecker</b>	<b><i>Dryocopus pileatus</i></b>
4,5,6,11	red-bellied woodpecker	<i>Melanerpes carolinus</i>
4,5	red-headed woodpecker	<i>Melanerpes erythrocephalus</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
4,5,6,9,10,11	<b>downy woodpecker</b>	<i>Picoides pubescens</i>
4,5,6,11	hairy woodpecker	<i>Picoides villosus</i>
4,6	yellow-bellied sapsucker	<i>Sphyrapicus varius</i>
	<u>Flycatchers</u>	<u>Tyrannidae</u>
	olive-sided flycatcher	<i>Contopus cooperi</i>
4,5,11	eastern wood-pewee	<i>Contopus virens</i>
9	<b>yellow-bellied flycatcher</b>	<i>Empidonax flaventris</i>
4,5,9	<b>alder flycatcher</b>	<i>Empidonax alnorum</i>
4,5,9	<b>least flycatcher</b>	<i>Empidonax minimus</i>
4,5,9,10	<b>willow flycatcher</b>	<i>Empidonax traillii</i>
4,5,9,10,11	<b>great crested flycatcher</b>	<i>Myiarchus crinitus</i>
4,5,11	eastern phoebe	<i>Sayornis phoebe</i>
4,5,9,11	<b>eastern kingbird</b>	<i>Tyrannus tyrannus</i>
	<u>Swallows</u>	<u>Hirundinidae</u>
4	cliff swallow	<i>Hirundo pyrrhonotta</i>
4,5,9,10,11	<b>barn swallow</b>	<i>Hirundo rustica</i>
4,5	purple martin	<i>Progne subis</i>
4,5,9,10,11	<b>bank swallow</b>	<i>Riparia riparia</i>
4,5,10	<b>northern rough-winged swallow</b>	<i>Stelgidopteryx serripennis</i>
4,5,9,10	<b>tree swallow</b>	<i>Tachycineta bicolor</i>
	<u>Shrikes</u>	<u>Laniidae</u>
6	northern shrike	<i>Lanius excubitor</i>
	<u>Jays, Crows</u>	<u>Corvidae</u>
4,5,6,8,9,11	<b>American crow</b>	<i>Corvus brachyrhynchos</i>
6	common raven	<i>Corvus corax</i>
5,6,8,11	fish crow	<i>Corvus ossifragus</i>
4,5,6,9,11	<b>blue jay</b>	<i>Cyanocitta cristata</i>
	<u>Titmice</u>	<u>Paridae</u>
4,5,6,9,10,11	<b>black-capped chickadee</b>	<i>Parus atricapillus</i>
4,5,6,11	tufted titmouse	<i>Baeolophus bicolor</i>
	<u>Nuthatches</u>	<u>Sittidae</u>
4,5,6	red-breasted nuthatch	<i>Sitta canadensis</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
4,5,6,11	white-breasted nuthatch	<i>Sitta carolinensis</i>
	<u>Creepers</u>	<u>Certhiidae</u>
4,5,6,11	brown creeper	<i>Certhia americana</i>
	<u>Wrens</u>	<u>Troglodytidae</u>
4,5	marsh wren	<i>Cistothorus palustris</i>
4,5,6	Carolina wren	<i>Thryothorus ludovicianus</i>
4,5,9,10	<b>house wren</b>	<b><i>Troglodytes aedon</i></b>
4,6	winter wren	<i>Troglodytes hiemalis</i>
	<u>Mimic Thrushes</u>	<u>Mimidae</u>
1,2,4,5,6,9,10,11	gray catbird	<i>Dumetella carolinensis</i>
4,5,6,9,11	northern mockingbird	<i>Mimus polyglottos</i>
2,4,5,9,11	<b>brown thrasher</b>	<b><i>Toxostoma rufum</i></b>
	<u>Thrushes</u>	<u>Turdidae</u>
4,5	veery	<i>Catharus fuscescens</i>
4,6	hermit thrush	<i>Catharus guttatus</i>
4,5,9,10,11	<b>wood thrush</b>	<b><i>Hylocichla mustelina</i></b>
4,5,6	eastern bluebird	<i>Sialia sialis</i>
2,4,5,6,9,10,11	<b>American robin</b>	<b><i>Turdus migratorius</i></b>
	<u>Kinglets</u>	<u>Sylviidae</u>
4,5	blue-gray gnatcatcher	<i>Poliophtila caerulea</i>
	ruby-crowned kinglet	<i>Regulus calendula</i>
6	golden-crowned kinglet	<i>Regulus satrapa</i>
	<u>Waxwings</u>	<u>Bombycillidae</u>
4,5,6,9,11	cedar waxwing	<b><i>Bombycilla cedrorum</i></b>
	<u>Starlings</u>	<u>Sturnidae</u>
4,5,6,9,10,11	European starling	<b><i>Sturnus vulgaris</i></b>
	<u>Vireos</u>	<u>Vireonidae</u>
4,5	yellow-throated vireo	<i>Vireo flavifrons</i>
4,5,9,10,11	<b>warbling vireo</b>	<b><i>Vireo gilvus</i></b>
4,5,9,10,11	<b>red-eyed vireo</b>	<b><i>Vireo olivaceus</i></b>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
11	Philadelphia vireo	<i>Vireo philadelphicus</i>
4,5	blue-headed vireo	<i>Vireo solitarius</i>
	<u>Wood Warblers</u>	<u>Parulidae</u>
4,11	Canada warbler	<i>Cardellina canadensis</i>
4,5,11	mourning warbler	<i>Geothlypis philadelphia</i>
4,5,9,10,11	<b>common yellowthroat</b>	<b><i>Geothlypis trichas</i></b>
4	yellow-breasted chat	<i>Icteria virens</i>
4,5	black and white warbler	<i>Mniotilta varia</i>
4,11	Nashville warbler	<i>Oreothlypis ruficapilla</i>
	Louisiana waterthrush	<i>Parkesia motacilla</i>
4	northern waterthrush	<i>Parkesia noveboracensis</i>
	northern parula warbler	<i>Parula americana</i>
4	ovenbird	<i>Seiurus aurocapillus</i>
	black-throated blue warbler	<i>Setophaga caerulescens</i>
4	cerulean warbler	<i>Setophaga cerulea</i>
4,5,6	yellow-rumped warbler	<i>Setophaga coronata</i>
11	prairie warbler	<i>Setophaga discolor</i>
11	blackburnian warbler	<i>Setophaga fusca</i>
11	magnolia warbler	<i>Setophaga magnolia</i>
11	palm warbler	<i>Setophaga palmarum</i>
4,5,11	chestnut-sided warbler	<i>Setophaga pensylvanica</i>
4,5,9,10,11	<b>yellow warbler</b>	<b><i>Setophaga petechia</i></b>
4	pine warbler	<i>Setophaga pinus</i>
4,5,9,10,11	<b>American redstart</b>	<b><i>Setophaga ruticila</i></b>
9	<b>blackpoll warbler</b>	<b><i>Setophaga striata</i></b>
11	Cape May warbler	<i>Setophaga tigrina</i>
11	black-throated green warbler	<i>Setophaga virens</i>
4	golden-winged warbler	<i>Vermivora chrysoptera</i>
4,5	blue-winged warbler	<i>Vermivora cyanoptera</i>
	hooded warbler	<i>Wilsona citrina</i>
6,11	Wilson's warbler	<i>Wilsonia pusilla</i>
	<u>Weaver Finches</u>	<u>Ploceidae</u>
4,5,6	house sparrow	<i>Passer domesticus</i>
	<u>Blackbirds</u>	<u>Icteridae</u>
1,2,4,5,6,9,10,11	<b>red-winged blackbird</b>	<b><i>Agelaius phoeniceus</i></b>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
4,5,9,11	<b>bobolink</b>	<b><i>Dolichonyx oryzivorus</i></b>
6	rusty blackbird	<i>Euphagus carolinus</i>
4,5,9,10	<b>Baltimore oriole</b>	<b><i>Icterus galbula</i></b>
4,5	orchard oriole	<i>Icterus spurius</i>
4,5,6,9,10,11	<b>brown-headed cowbird</b>	<b><i>Molothrus ater</i></b>
4,5,6,9,10,11	<b>common grackle</b>	<b><i>Quiscalus quiscula</i></b>
4,5,9	<b>eastern meadowlark</b>	<b><i>Sturnella magna</i></b>
	<u>Larks</u>	<u><i>Alaudidae</i></u>
4,5,6	horned lark	<i>Eromophila alpestris</i>
	<u>Cardinals</u>	<u><i>Cardinalinae</i></u>
4,5,6,9,10,11	<b>northern cardinal</b>	<b><i>Cardinalis cardinalis</i></b>
4,5,9	<b>indigo bunting</b>	<b><i>Passerina cyanea</i></b>
4,5,11	rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>
4,5	scarlet tanager	<i>Piranga olivacea</i>
	<u>Sparrows</u>	<u><i>Emberizidae</i></u>
4	Henslow's sparrow	<i>Ammodramus henslowii</i>
4,5	grasshopper sparrow	<i>Ammodramus savannarum</i>
4,5,6,9	<b>dark-eyed junco</b>	<b><i>Junco hyemalis</i></b>
4,5,6,10,11	<b>swamp sparrow</b>	<b><i>Melospiza georgiana</i></b>
1,4,5,6,9,10,11	<b>song sparrow</b>	<b><i>Melospiza melodia</i></b>
4,5,9	<b>savannah sparrow</b>	<b><i>Passerculus sandwichensis</i></b>
6	snow bunting	<i>Plectrophenax nivalis</i>
4	vesper sparrow	<i>Poocetes gramineus</i>
4,5,9,11	<b>field sparrow</b>	<b><i>Spizella pusilla</i></b>
	<u>True Finches</u>	<u><i>Fringillidae</i></u>
6	common redpoll	<i>Carduelis flammea</i>
6,11	pine siskin	<i>Spinus pinus</i>
4,5,6,9,10,11	<b>American goldfinch</b>	<b><i>Spinus tristis</i></b>
4,5,6	house finch	<i>Carpodacus mexicanus</i>
4,5,6,11	purple finch	<i>Carpodacus purpureus</i>
6	evening grosbeak	<i>Coccothraustes vespertinus</i>
4	red crossbill	<i>Loxia curvirostra</i>
6	white-winged crossbill	<i>Loxia leucoptera</i>
4,5,6,9,10	<b>rufous-sided towhee</b>	<b><i>Pipilo erythrophthalmus</i></b>



## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
6	pine grosbeak	<i>Pinicola enucleator</i>
6	American tree sparrow	<i>Spizella arborea</i>
4,5	chipping sparrow	<i>Spizella passerina</i>
4,6	white-throated sparrow	<i>Zonotrichia albicollis</i>
6	white-crowned sparrow	<i>Zonotrichia leucophrys</i>

### Mammal Species

	<u>Opossums</u>	<u>Didelphiidae</u>
	opossum	<i>Didelphis virginiana</i>
	<u>Shrews</u>	<u>Soricidae</u>
11	shorttail shrew	<i>Blarina brevicauda</i>
	least shrew	<i>Cryptotis parva</i>
	masked shrew	<i>Sorex cinereus</i>
	smoky shrew	<i>Sorex fumeus</i>
	<u>Moles</u>	<u>Talpidae</u>
	star-nosed mole	<i>Condylura cristata</i>
	hair-tail mole	<i>Parascalops breweri</i>
	eastern mole	<i>Scalopus aquaticus</i>
	<u>Plainnose Bats</u>	<u>Vespertilionidae</u>
	big brown bat	<i>Eptesicus fuscus</i>
11	silver-haired bat	<i>Lasiurus noctivagans</i>
11	red bat	<i>Lasiurus borealis</i>
11	hoary bat	<i>Lasiurus cinereus</i>
	Keen myotis	<i>Myotis keenii</i>
11	little brown myotis	<i>Myotis lucifugus</i>
	eastern pipistrelle	<i>Pipistrellus subflavus</i>
	<u>Racoons</u>	<u>Procyonidae</u>
11	raccoon	<i>Procyon lotor</i>
	<u>Porcupines</u>	<u>Erethizontidae</u>
	porcupine	<i>Erethizon dorsatum</i>
	<u>Weasels</u>	<u>Mustelidae</u>
	striped skunk	<i>Mephitis mephitis</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
	shorttail weasel	<i>Mustela erminea</i>
	longtail weasel	<i>Mustela frenata</i>
	mink	<i>Mustela vison</i>
	<u>Dogs, Wolves, Foxes</u>	<u>Canidae</u>
	coyote	<i>Canis latrans</i>
	gray fox	<i>Urocyon cinereoargenteus</i>
	red fox	<i>Vulpes vulpes</i>
	<u>Cats</u>	<u>Felidae</u>
	bobcat	<i>Felis rufus</i>
	<u>Squirrels</u>	<u>Sciuridae</u>
11	northern flying squirrel	<i>Glaucomys sabrinus</i>
11	southern flying squirrel	<i>Glaucomys volans</i>
1,11	<b>woodchuck</b>	<b><i>Marmota monax</i></b>
11	eastern gray squirrel	<i>Sciurus carolinensis</i>
11	eastern chipmunk	<i>Tamias striatus</i>
	red squirrel	<i>Tamiasciurus hudsonicus</i>
	<u>Beaver</u>	<u>Castoridae</u>
11	beaver	<i>Castor canadensis</i>
	<u>Mice, Rats, Lemmings, Voles</u>	<u>Cricetidae</u>
	meadow vole	<i>Microtus pennsylvanicus</i>
11	muskrat	<i>Ondatra zibethicus</i>
11	white-footed mouse	<i>Peromyscus leucopus</i>
	deer mouse	<i>Peromyscus maniculatus</i>
	<u>Old World Rats &amp; Mice</u>	<u>Muridae</u>
	house mouse	<i>Mus musculus</i>
	Norway rat	<i>Rattus norvegicus</i>
	<u>Jumping Mice</u>	<u>Zapeoidea</u>
	woodland jumping mouse	<i>Napaeozapus insignis</i>
	meadow jumping mouse	<i>Zapus hudsonicus</i>

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	Common Name	Scientific Name
2	<u>Hares, Rabbits</u> eastern cottontail	<u>Leporidae</u> <b><i>Sylvilagus floridanus</i></b>
1,2,11	<u>Deer</u> whitetail deer	<u>Cervidae</u> <b><i>Odocoileus virginianus</i></b>
<b>Reptile and Amphibian Species</b>		
3	<u>Snapping Turtles</u> common snapping turtle	<u>Chelydridae</u> <i>Chelydra serpentina</i>
3,11	<u>Box and Water Turtles</u> painted turtle	<u>Emydidae</u> <i>Chrysemys picta</i>
3	wood turtle	<i>Clemmys insculpta</i>
	eastern box turtle	<i>Terrapene caroliniana</i>
11	red-eared slider	<i>Trachemys scripta</i>
3,11	<u>Musk Turtles</u> common musk turtle	<u>Kinosternidae</u> <i>Sternotherus odoratus</i>
3	<u>Colubrids</u> ring necked snake	<u>Colubridae</u> <i>Diadophis punctatus</i>
3	black rat snake	<i>Elaphe obsoleta</i>
3	eastern milk snake	<i>Lampropeltis triangulum</i>
3	smooth green snake	<i>Liochlorophis vernalis</i>
3	northern water snake	<i>Natrix sipedon</i>
1,3	<b>brown snake</b>	<b><i>Storeria dekayi</i></b>
3	red-bellied snake	<i>Storeria occipitomaculata</i>
	shorthead garter snake	<i>Thamnophis brachystoma</i>
	eastern ribbon snake	<i>Thamnophis sauritus</i>
3	common garter snake	<i>Thamnophis sirtalis</i>
	<u>Giant Salamanders</u> hellbender	<u>Cryptobranchidae</u> <i>Cryptobranchus alleganiensis</i>
	<u>Mole Salamanders</u> Jefferson salamander	<u>Ambystomatidae</u> <i>Ambystoma jeffersonianum</i>
	blue-spotted salamander	<i>Ambystoma laterale</i>
3	spotted salamander	<i>Ambystoma maculatum</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
	<u>Lungless Salamanders</u>	<u>Plethodontidae</u>
3	northern dusky salamander	<i>Desmognathus fuscus</i>
	Allegheny mountain dusky salamander	<i>Desmognathus ochrophaeus</i>
3	northern two-lined salamander	<i>Eurycea bislineata</i>
	long-tailed salamander	<i>Eurycea longicauda</i>
	spring salamander	<i>Gyrinophilus porphyriticus</i>
	four-toed salamander	<i>Hemidactylium scutatum</i>
3	eastern red-backed salamander	<i>Plethodon cinereus</i>
3	slimy salamander	<i>Plethodon glutinosus</i>
	Wehrle's salamander	<i>Plethodon wehrlei</i>
	northern red salamander	<i>Pseudotriton ruber</i>
	<u>Aquatic Salamanders</u>	<u>Proteidae</u>
	mudpuppy	<i>Necturus maculosus</i>
	<u>Newts</u>	<u>Salamandridae</u>
3	red-spotted newt	<i>Notophthalmus viridescens</i>
	<u>Toads</u>	<u>Bufo</u>
3	American toad	<i>Bufo americanus</i>
	<u>Tree Frogs</u>	<u>Hylidae</u>
3	gray treefrog	<i>Hyla versicolor</i>
3,11	spring peeper	<i>Pseudacris crucifer</i>
	western chorus frog	<i>Pseudacris triseriata</i>
	<u>True Frogs</u>	<u>Ranidae</u>
	bull frog	<i>Rana catesbeiana</i>
3	green frog	<i>Rana clamitans</i>
	pickerel frog	<i>Rana palustris</i>
3,11	northern leopard frog	<i>Rana pipiens</i>
	wood frog	<i>Rana sylvatica</i>
	<b>Fish Species</b>	
	<u>Bowfin</u>	<u>Amiidae</u>
7,11	bowfin	<i>Amia calva</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
	<u>Sturgeons</u>	<u>Acipenseridae</u>
7	lake sturgeon	<i>Acipenser fulvescens</i>
	<u>Pikes</u>	<u>Esocidae</u>
7	northern pike	<i>Esox lucius</i>
7	tiger muskie	<i>Esox masquinongy x lucius</i>
7	chain pickerel	<i>Esox niger</i>
	<u>Gars</u>	<u>Lepisosteidae</u>
7	longnose gar	<i>Lepisosteus osseus</i>
	<u>Sunfishes</u>	<u>Centrarchidae</u>
7,11	rock bass	<i>Ambloplites rupestris</i>
	redbreast sunfish	<i>Lepomis auritus</i>
7	green sunfish	<i>Lepomis cyanellus</i>
7,11	pumpkinseed	<i>Lepomis gibbosus</i>
7,11	bluegill	<i>Lepomis macrochirus</i>
7	smallmouth bass	<i>Micropterus dolomieu</i>
7,11	largemouth bass	<i>Micropterus salmoides</i>
	white crappie	<i>Pomoxis annularis</i>
7	black crappie	<i>Pomoxis nigromaculatus</i>
	<u>Mudminnows</u>	<u>Umbridae</u>
	central mudminnow	<i>Umbra limi</i>
	<u>Bullhead/Catfishes</u>	<u>Ictaluridae</u>
7	black bullhead	<i>Ameiurus melas</i>
7	yellow bullhead	<i>Ameiurus natalis</i>
7,11	brown bullhead	<i>Ameiurus nebulosus</i>
7,11	channel catfish	<i>Ictalurus punctatus</i>
	stonecat	<i>Noturus flavus</i>
7,11	tadpole madtom	<i>Noturus gyrinus</i>
	marginated madtom	<i>Noturus insignis</i>
7	trout perch	<i>Percopsis omiscomaycus</i>
	<u>Suckers</u>	<u>Catostomidae</u>
7	quillback	<i>Carpioides cyprinus</i>
7,11	white sucker	<i>Catostomus commersoni</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
	creek chubsucker	<i>Erimyzon oblongus</i>
7	northern hogsucker	<i>Hypentelium nigricans</i>
7	silver redhorse	<i>Moxostoma anisurum</i>
7	shorthead redhorse	<i>Moxostoma macrolepidotum</i>
7	greater redhorse	<i>Moxostoma valenciennesi</i>
	<u>Sticklebacks</u>	<u>Gasterosteidae</u>
7	brook stickleback	<i>Culaea inconstans</i>
	<u>Sculpins</u>	<u>Cothidae</u>
	mottled sculpin	<i>Cottus bairdii</i>
	slimy sculpin	<i>Cottus cognatus</i>
	<u>Gobies</u>	<u>Gobiidae</u>
7,11	round goby	<i>Neogobius melanostomus</i>
	<u>Temperate Basses</u>	<u>Moronidae</u>
7	white perch	<i>Morone americana</i>
7	white bass	<i>Morone chrysops</i>
	<u>Drums</u>	<u>Sciaenidae</u>
7	freshwater drum	<i>Aplodinotus grunniens</i>
	<u>Perches</u>	<u>Percidae</u>
7	Johnnie darter	<i>Etheostoma nigrum</i>
	fantail darter	<i>Etheostoma flabellare</i>
7,11	tessellated darter	<i>Etheostoma olmstedii</i>
7,11	yellow perch	<i>Perca flavescens</i>
7	logperch	<i>Percina caprodes</i>
	blackside darter	<i>Percina maculata</i>
	shield darter	<i>Percina peltata</i>
7	walleye	<i>Sander vitreus</i>
	<u>Silversides</u>	<u>Atherinopsidae</u>
7,11	brook silverside	<i>Labidesthes sicculus</i>
	<u>Topminnows</u>	<u>Fundulidae</u>
7,11	banded killifish	<i>Fundulus diphanus</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

	Common Name	Scientific Name
	<u>Carp and Minnows</u>	<u>Cyprinidae</u>
7	central stone roller	<i>Campstoma anomalum</i>
	goldfish	<i>Carassius auratus</i>
	redu side dace	<i>Clinostomus elongatus</i>
	lake chub	<i>Couesius plumbeus</i>
7,11	carp	<i>Cyprinus carpio</i>
	satinfin shiner	<i>Cyprinella analostana</i>
7	spotfin shiner	<i>Cyprinella spiloptera</i>
11	cutlips minnow	<i>Exoglossum maxillingua</i>
	common shiner	<i>Luxilus cornutus</i>
	redfin shiner	<i>Lythrurus umbratilis</i>
	river chub	<i>Nocomis micropogon</i>
7	golden shiner	<i>Notemigonus crysoleucas</i>
	comely shiner	<i>Notropis amoenus</i>
7,11	emerald shiner	<i>Notropis atherinoides</i>
	spottail shiner	<i>Notropis hudsonicus</i>
7	bluntnose minnow	<i>Pimephales notatus</i>
7	fathead minnow	<i>Pimephales promelas</i>
	blacknose dace	<i>Rhinichthys atratulus</i>
7	longnose dace	<i>Rhinichthys cataractae</i>
7	rudd	<i>Scardinius erythrophthalmus</i>
	fall fish	<i>Semotilus corporalis</i>
11	creek chub	<i>Semotilus atromaculatus</i>
	<u>Smelt</u>	<u>Osmeridae</u>
7	rainbow smelt	<i>Osmerus mordax</i>
	<u>Shads</u>	<u>Clupeidae</u>
7,11	alewife	<i>Alosa pseudoharengus</i>
7,11	gizzard shad	<i>Dorosoma cepedianum</i>
	<u>Trout</u>	<u>Salmonidae</u>
7	rainbow trout	<i>Oncorhynchus mykiss</i>
7,11	brown trout	<i>Salmo trutta</i>
	brook trout	<i>Salvelinus fontinalis</i>

## WILDLIFE SPECIES INVENTORY

The following species may occur in the vicinity of the Project Site. **Bold** denotes those species actually observed on site.

Common Name

*Scientific Name*

### Source Notes:

- 1 *Species identified during on-site ecological surveys conducted by OBG in 2005 and 2008.*
- 2 *Species identified during on-site ecological surveys conducted by EDR in 2014.*
- 3 *Species identified in the NYS Amphibian & Reptile Atlas Project (Syracuse West Quad).*
- 4 *Species identified in the USGS Breeding Bird Survey (Cicero Center Route).*
- 5 *Species identified in the NYS Breeding Bird Atlas (Survey Blocks 3977C, 3977D, 3976A, 3976B).*
- 6 *Species identified in the Audubon Christmas Bird Count (Syracuse Count).*
- 7 *Species identified in 2011 Onondaga Lake Fishery Factsheet.*
- 8 *Species identified in the USFWS 2007-2008 Winter Waterfowl Survey.*
- 9 *Species identified on wastebeds in 2012 and 2013 during Anand Chaudhury's SUNY-ESF thesis research.*
- 10 *Species identified in 2008-2009 Biodiversity Research Institute Assessment of Mercury in Birds at Onondaga Lake.*
- 11 *Species identified in the vicinity of the Project site (but not on the wastebeds) during the September 2014 bioblitz at Onondaga Lake bioblitz.*