

PLANT SPECIES INVENTORY

Species identified during on-site ecological surveys conducted by EDR within 2019-2020

Notes ¹	Family	Genus	species	common name	Conservation Rank ²	infraspecific rank
	Acoraceae	<i>Acorus</i>	<i>americanus</i>	sweet flag	S5	
	Adoxaceae	<i>Sambucus</i>	<i>nigra</i>	common elderberry	S5	ssp. <i>canadensis</i>
	Adoxaceae	<i>Viburnum</i>	<i>acerifolium</i>	mapleleaf viburnum	S5	
	Adoxaceae	<i>Viburnum</i>	<i>dentatum</i>	smooth arrowwood	S5	var. <i>lucidum</i>
	Adoxaceae	<i>Viburnum</i>	<i>lantanoides</i>	hobblebush	S5	
	Adoxaceae	<i>Viburnum</i>	<i>opulus</i>	highbush cranberry	S4	var. <i>americanum</i>
	Alismataceae	<i>Alisma</i>	<i>subcordatum</i>	water-plantain	S5	
	Alismataceae	<i>Sagittaria</i>	<i>latifolia</i>	common arrowhead	S5	
	Amaranthaceae	<i>Chenopodium</i>	<i>album</i>	lamb-quarters	SNA	
	Amaryllidaceae	<i>Allium</i>	<i>tricoccum</i>	wild leeks	S5	var. <i>tricoccum</i>
	Anacardiaceae	<i>Rhus</i>	<i>typhina</i>	staghorn sumac	S5	
	Anacardiaceae	<i>Toxicodendron</i>	<i>radicans</i>	poison ivy	S5	
1	Apiaceae	<i>Anthriscus</i>	<i>sylvestris</i>	wild chervil	SNA	
	Apiaceae	<i>Daucus</i>	<i>carota</i>	Queen Anne's lace	SNA	
	Apiaceae	<i>Pastinaca</i>	<i>sativa</i>	wild parsnip	SNA	
	Apiaceae	<i>Sium</i>	<i>suave</i>	hemlock water-parsnip	S5	
	Apocynaceae	<i>Apocynum</i>	<i>androsaemifolium</i>	spreading dogbane	S5	
	Apocynaceae	<i>Apocynum</i>	<i>cannabinum</i>	Indian hemp	S5	
	Apocynaceae	<i>Asclepias</i>	<i>incarnata</i>	swamp milkweed	S5	ssp. <i>incarnata</i>
	Apocynaceae	<i>Asclepias</i>	<i>syriaca</i>	common milkweed	S5	
	Aquifoliaceae	<i>Ilex</i>	<i>verticillata</i>	common winterberry	S5	
	Araceae	<i>Arisaema</i>	<i>triphillum</i>	common jack-in-the-pulpit	S5	ssp. <i>triphillum</i>
	Araceae	<i>Lemna</i>	<i>minor</i>	lesser duckweed	S5	
	Araceae	<i>Symplocarpus</i>	<i>foetidus</i>	skunk cabbage	S5	
	Araliaceae	<i>Aralia</i>	<i>nudicaulis</i>	sarsaparilla	S5	
	Asparagaceae	<i>Maianthemum</i>	<i>canadense</i>	Canada mayflower	S5	
	Asphodelaceae	<i>Hemerocallis</i>	<i>fulva</i>	day lily	SNA	
	Asteraceae	<i>Achillea</i>	<i>millefolium</i>	common yarrow	SNR	
	Asteraceae	<i>Ambrosia</i>	<i>artemesiifolia</i>	ragweed	S5	
	Asteraceae	<i>Ambrosia</i>	<i>trifida</i>	giant ragweed	S4	
	Asteraceae	<i>Arctium</i>	<i>minus</i>	common burdock	SNA	
1	Asteraceae	<i>Artemisia</i>	<i>vulgaris</i>	mugwort	SNA	
	Asteraceae	<i>Bidens</i>	<i>cernua</i>	nodding beggar-tick	S5	
	Asteraceae	<i>Centaurea</i>	<i>jacea</i>	brown knapweed	SNA	
	Asteraceae	<i>Cichorium</i>	<i>intybus</i>	chicory	SNA	
1	Asteraceae	<i>Cirsium</i>	<i>arvense</i>	creeping thistle	SNA	
	Asteraceae	<i>Cirsium</i>	<i>vulgare</i>	bull thistle	SNA	
	Asteraceae	<i>Doellingeria</i>	<i>umbellata</i>	flat-topped aster	S5	var. <i>umbellata</i>
	Asteraceae	<i>Erechtites</i>	<i>hieraciifolius</i>	common pilewort	S5	var. <i>hieraciifolius</i>
	Asteraceae	<i>Erigeron</i>	<i>annuus</i>	annual daisy fleabane	S5	
	Asteraceae	<i>Erigeron</i>	<i>canadensis</i>	horseweed	S5	var. <i>canadensis</i>
	Asteraceae	<i>Erigeron</i>	<i>philadelphicus</i>	Philadelphia fleabane	S5	var. <i>philadelphicus</i>
	Asteraceae	<i>Erigeron</i>	<i>strigosus</i>	small daisy fleabane	S5	
	Asteraceae	<i>Eupatorium</i>	<i>perfoliatum</i>	common boneset	S5	
	Asteraceae	<i>Eurybia</i>	<i>divaricata</i>	white wood aster	S5	

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	Asteraceae	<i>Eurybia</i>	<i>macrophylla</i>	bigleaf aster	S5	
	Asteraceae	<i>Euthamia</i>	<i>graminifolia</i>	flat-topped goldenrod	S5	
	Asteraceae	<i>Eutrochium</i>	<i>maculatum</i>	joe-pye weed	S5	var. <i>maculatum</i>
	Asteraceae	<i>Gnaphalium</i>	<i>uliginosum</i>	low cudweed	SNA	
	Asteraceae	<i>Hypochaeris</i>	<i>radicata</i>	cat's-ear	SNA	
	Asteraceae	<i>Inula</i>	<i>helenium</i>	elecampane	SNA	
	Asteraceae	<i>Lactuca</i>	<i>canadenis</i>	Canada lettuce	S5	
	Asteraceae	<i>Lapsana</i>	<i>communis</i>	nipplewort	SNA	
	Asteraceae	<i>Leucanthemum</i>	<i>vulgare</i>	ox-eye daisy	SNA	
	Asteraceae	<i>Packera</i>	<i>aurea</i>	golden ragwort	S5	
	Asteraceae	<i>Pilosella</i>	<i>aurantiaca</i>	orange hawkweed	SNA	
	Asteraceae	<i>Pilosella</i>	<i>caespitosa</i>	meadow hawkweed	SNA	
	Asteraceae	<i>Rudbeckia</i>	<i>hirta</i>	black-eyed Susan	SNA	
	Asteraceae	<i>Rudbeckia</i>	<i>laciniata</i>	cut-leaved coneflower	S5	
	Asteraceae	<i>Solidago</i>	<i>altissima</i>	tall goldenrod	S5	ssp. <i>altissima</i>
	Asteraceae	<i>Solidago</i>	<i>canadensis</i>	Canada goldenrod	S5	
	Asteraceae	<i>Solidago</i>	<i>gigantea</i>	swamp goldenrod	S5	
	Asteraceae	<i>Solidago</i>	<i>juncea</i>	early goldenrod	S5	
	Asteraceae	<i>Solidago</i>	<i>rugosa</i>	rough-stemmed goldenrod	S5	
	Asteraceae	<i>Sonchus</i>	<i>arvensis</i>	field sowthistle	SNA	
	Asteraceae	<i>Sonchus</i>	<i>asper</i>	spiny sowthistle	SNA	
	Asteraceae	<i>Symphotrichum</i>	<i>lanceolatum</i>	lance-leaved aster	S5	var. <i>lanceolatum</i>
	Asteraceae	<i>Symphotrichum</i>	<i>lateriflorum</i>	calico aster	S5	
	Asteraceae	<i>Symphotrichum</i>	<i>novae-angliae</i>	New England aster	S5	
	Asteraceae	<i>Symphotrichum</i>	<i>prenanthoides</i>	crooked stem aster	S5	
	Asteraceae	<i>Symphotrichum</i>	<i>puniceum</i>	purplestem aster	S5	var. <i>puniceum</i>
	Asteraceae	<i>Taraxacum</i>	<i>officinale</i>	dandelion	SNA	
	Asteraceae	<i>Tragopogon</i>	<i>pratensis</i>	goat's-beard	SNA	
	Asteraceae	<i>Tussilago</i>	<i>farfara</i>	coltsfoot	SNA	
3	Asteraceae	<i>Vernonia</i>	<i>gigantea</i>	tall ironweed	S1	
	Athyriaceae	<i>Athyrium</i>	<i>angustum</i>	northern lady fern	S5	
	Balsaminaceae	<i>Impatiens</i>	<i>capensis</i>	spotted jewelweed	S5	
1	Berberidaceae	<i>Berberis</i>	<i>thunbergii</i>	Japanese barberry	SNA	
	Berberidaceae	<i>Caulophyllum</i>	<i>thalictroides</i>	blue cohosh	S5	
	Berberidaceae	<i>Podophyllum</i>	<i>peltatum</i>	mayapple	S5	
	Betulaceae	<i>Alnus</i>	<i>incana</i>	speckled alder	S5	ssp. <i>incana</i>
	Betulaceae	<i>Betula</i>	<i>alleghaniensis</i>	yellow birch	S5	
	Betulaceae	<i>Betula</i>	<i>lenta</i>	sweet birch	S5	
	Betulaceae	<i>Betula</i>	<i>populifolia</i>	gray birch	S5	
	Betulaceae	<i>Carpinus</i>	<i>caroliniana</i>	musclewood	S5	ssp. <i>virginiana</i>
	Betulaceae	<i>Ostrya</i>	<i>virginiana</i>	eastern hophornbeam	S5	
	Boraginaceae	<i>Myosotis</i>	<i>scorpioides</i>	forget-me-not	SNA	
1	Brassicaceae	<i>Alliaria</i>	<i>petiolata</i>	garlic mustard	SNA	
	Brassicaceae	<i>Barbarea</i>	<i>vulgaris</i>	yellow rocket	SNA	
	Brassicaceae	<i>Brassica</i>	<i>rapa</i>	field mustard	SNA	

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	Brassicaceae	<i>Cardamine</i>	<i>pennsylvanica</i>	Pennsylvania bitter cress	S5	
	Brassicaceae	<i>Nasturtium</i>	<i>officinale</i>	water-cress	SNA	
	Brassicaceae	<i>Raphanus</i>	<i>raphanistrum</i>	wild radish	SNA	ssp. <i>raphanistrum</i>
	Brassicaceae	<i>Rorippa</i>	<i>palustris</i>	common yellow-cress	S4	
	Campanulaceae	<i>Lobelia</i>	<i>cardinalis</i>	cardinal flower	S4S5	
	Campanulaceae	<i>Lobelia</i>	<i>inflata</i>	Indian-tobacco	S5	
1	Caprifoliaceae	<i>Lonicera</i>	<i>morrowii</i>	Morrow's honeysuckle	SNA	
	Caryophyllaceae	<i>Cerastium</i>	<i>fontanum</i>	mouse-ear chickweed	SNA	ssp. <i>vulgare</i>
	Caryophyllaceae	<i>Myosoton</i>	<i>aquaticum</i>	giant chickweed	SNA	
	Caryophyllaceae	<i>Silene</i>	<i>vulgaris</i>	bladder campion	SNA	
	Caryophyllaceae	<i>Stellaria</i>	<i>graminea</i>	lesser stitchwort	SNA	
	Caryophyllaceae	<i>Stellaria</i>	<i>pubera</i>	star chickwed	SNA	
	Convolvulaceae	<i>Calystegia</i>	<i>sepium</i>	hedge false bindweed	SNR	
	Convolvulaceae	<i>Cuscuta</i>	<i>gronovii</i>	common dodder	S5	var. <i>gronovii</i>
	Cornaceae	<i>Cornus</i>	<i>amomum</i>	silky dogwood	S5	ssp. <i>amomum</i>
	Cornaceae	<i>Cornus</i>	<i>racemosa</i>	gray dogwood	S5	
	Crassulaceae	<i>Penthorum</i>	<i>sedoides</i>	ditch stonecrop	S5	
	Cyperaceae	<i>Carex</i>	<i>crinita</i>	fringed sedge	S5	var. <i>crinita</i>
	Cyperaceae	<i>Carex</i>	<i>intumescens</i>	bladder sedge	S5	
	Cyperaceae	<i>Carex</i>	<i>lupulina</i>	hop sedge	S5	
	Cyperaceae	<i>Carex</i>	<i>lurida</i>	sallow sedge	S5	
	Cyperaceae	<i>Carex</i>	<i>scoparia</i>	broom sedge	S5	
	Cyperaceae	<i>Carex</i>	<i>stricta</i>	tussock sedge	S5	
	Cyperaceae	<i>Carex</i>	<i>vulpinoidea</i>	fox sedge	S5	
	Cyperaceae	<i>Cyperus</i>	<i>esculentus</i>	yellow nut sedge	SNR	
	Cyperaceae	<i>Dulichium</i>	<i>arundinaceum</i>	three-way sedge	S5	var. <i>arundinaceum</i>
	Cyperaceae	<i>Eleocharis</i>	spp.	spike rushes	SNR	
	Cyperaceae	<i>Schoenoplectus</i>	<i>tabernaemontani</i>	soft-stemmed bulrush	S5	
	Cyperaceae	<i>Scirpus</i>	<i>atrovirens</i>	green bulrush	S5	
	Cyperaceae	<i>Scirpus</i>	<i>cyperinus</i>	woolgrass	S5	
	Dennstaedtiaceae	<i>Dennstaedtia</i>	<i>punctilobula</i>	hay-scented fern	S5	
	Dennstaedtiaceae	<i>Pteridium</i>	<i>aquilinum</i>	bracken fern	S5	ssp. <i>latiusculum</i>
	Dryopteridaceae	<i>Dryopteris</i>	<i>carthusiana</i>	spinulose woodfern	S5	
	Dryopteridaceae	<i>Dryopteris</i>	<i>intermedia</i>	evergreen woodfern	S5	
	Dryopteridaceae	<i>Polystichum</i>	<i>acrostichoides</i>	Christmas fern	S5	
1	Elaeagnaceae	<i>Elaeagnus</i>	<i>umbellata</i>	autumn olive	SNA	
	Equisetaceae	<i>Equisetum</i>	<i>arvense</i>	field horsetail	S5	
	Equisetaceae	<i>Equisetum</i>	<i>hyemale</i>	scouring rush	S5	ssp. <i>affine</i>
	Equisetaceae	<i>Equisetum</i>	<i>sylvaticum</i>	woodland horsetail	S5	
	Ericaceae	<i>Gaultheria</i>	<i>procumbens</i>	wintergreen	S5	
	Ericaceae	<i>Hypopitys</i>	<i>monotropa</i>	yellow pinesap	S4	
	Ericaceae	<i>Monotropa</i>	<i>uniflora</i>	ghost pipes	S5	
	Ericaceae	<i>Pyrola</i>	<i>elliptica</i>	shinleaf	S5	
	Ericaceae	<i>Vaccinium</i>	<i>corymbosum</i>	highbush blueberry	S5	
	Ericaceae	<i>Vaccinium</i>	<i>myrtilloides</i>	velvetleaf blueberry	S5	

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	Ericaceae	<i>Vaccinium</i>	<i>pallidum</i>	hillside blueberry	S5	
	Euphorbiaceae	<i>Acalypha</i>	<i>rhomboidea</i>	common copperleaf	S5	
	Fabaceae	<i>Amphicarpaea</i>	<i>bracteata</i>	hog peanut	S5	
	Fabaceae	<i>Lotus</i>	<i>corniculatus</i>	bird's foot trefoil	SNA	
	Fabaceae	<i>Medicago</i>	<i>lupulina</i>	black medick	SNA	
	Fabaceae	<i>Medicago</i>	<i>sativa</i>	alfafa	SNA	
	Fabaceae	<i>Melilotus</i>	<i>albus</i>	white sweet clover	SNA	
2	Fabaceae	<i>Robinia</i>	<i>pseudoacacia</i>	black locust	SNA	
	Fabaceae	<i>Securigera</i>	<i>varia</i>	crown-vetch	SNA	
	Fabaceae	<i>Trifolium</i>	<i>aureum</i>	hop-clover	SNA	
	Fabaceae	<i>Trifolium</i>	<i>hybridum</i>	alsike clover	SNA	
	Fabaceae	<i>Trifolium</i>	<i>pratense</i>	red clover	SNA	
	Fabaceae	<i>Trifolium</i>	<i>repens</i>	white clover	SNA	
	Fabaceae	<i>Vicia</i>	<i>cracca</i>	cow vetch	SNA	
	Fagaceae	<i>Fagus</i>	<i>grandifolia</i>	American beech	S5	
	Fagaceae	<i>Quercus</i>	<i>rubra</i>	red oak	S5	
	Geraniaceae	<i>Geranium</i>	<i>robertianum</i>	herb-robert	S5	
	Hamamelidaceae	<i>Hamamelis</i>	<i>virginiana</i>	witch hazel	S5	
	Hypericaceae	<i>Hypericum</i>	<i>canadense</i>	Canada St.John's-wort	S5	
	Hypericaceae	<i>Hypericum</i>	<i>fraseri</i>	Fraser's marsh St.John's-wort	S5	
	Hypericaceae	<i>Hypericum</i>	<i>mutilum</i>	dwarf St. John's-wort	S5	ssp. <i>mutilum</i>
	Hypericaceae	<i>Hypericum</i>	<i>perforatum</i>	common St.John's-wort	SNA	ssp. <i>perforatum</i>
	Hypericaceae	<i>Hypericum</i>	<i>punctatum</i>	spotted St.John's-wort	S5	
	Juglandaceae	<i>Juglans</i>	<i>nigra</i>	black walnut	S5	
	Juncaceae	<i>Juncus</i>	<i>effusus</i>	soft rush	S5	ssp. <i>solutus</i>
	Juncaceae	<i>Juncus</i>	<i>tenuis</i>	path rush	S5	
	Lamiaceae	<i>Clinopodium</i>	<i>vulgare</i>	field basil	SNR	
	Lamiaceae	<i>Collinsonia</i>	<i>canadensis</i>	horse-balm	S5	
	Lamiaceae	<i>Galeopsis</i>	<i>tetrahit</i>	hemp nettle	SNA	
	Lamiaceae	<i>Lycopus</i>	<i>americanus</i>	American bugleweed	S5	
	Lamiaceae	<i>Lycopus</i>	<i>uniflorus</i>	northern bugleweed	S5	
	Lamiaceae	<i>Mentha</i>	<i>arvensis</i>	wild mint	SNA	
	Lamiaceae	<i>Mentha</i>	<i>x. piperita</i>	peppermint	SNA	
	Lamiaceae	<i>Prunella</i>	<i>vulgaris</i>	self-heal	SNA	
	Lamiaceae	<i>Scutellaria</i>	<i>lateriflora</i>	mad-dog skullcap	S5	
	Lamiaceae	<i>Stachys</i>	<i>palustris</i>	marsh hedge-nettle	SNA	
	Lauraceae	<i>Lindera</i>	<i>benzoin</i>	spicebush	S5	
	Liliaceae	<i>Clintonia</i>	<i>borealis</i>	blue bead lily	S5	
	Liliaceae	<i>Medeola</i>	<i>virginiana</i>	Indian cucumber root	S5	
	Liliaceae	<i>Streptopus</i>	<i>lanceolatus</i>	rosy twisted stalk	S5	
	Lycopodiaceae	<i>Dendrolycopodium</i>	<i>hickeyi</i>	Pennsylvania tree clubmoss	S5	
	Lycopodiaceae	<i>Huperzia</i>	<i>lucidula</i>	shining clubmoss	S5	
	Lycopodiaceae	<i>Lycopodium</i>	<i>clavatum</i>	running clubmoss	S5	
1	Lythraceae	<i>Lythrum</i>	<i>salicaria</i>	purple loosestrife	SNA	
	Magnoliaceae	<i>Magnolia</i>	<i>acuminata</i>	cucumber tree	S5	

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	Malvaceae	<i>Malva</i>	<i>moschata</i>	musk mallow	SNA	
	Malvaceae	<i>Tilia</i>	<i>americana</i>	American basswood	S5	var. <i>americana</i>
	Melanthiaceae	<i>Trillium</i>	<i>erectum</i>	wake robin	S5	
	Melanthiaceae	<i>Trillium</i>	<i>undulatum</i>	painted trillium	S5	
	Oleaceae	<i>Fraxinus</i>	<i>americana</i>	white ash	S5	
	Oleaceae	<i>Fraxinus</i>	<i>pennsylvanica</i>	green ash	S5	
1	Oleaceae	<i>Ligustrum</i>	<i>obtusifolium</i>	border privet	SNA	
	Onagraceae	<i>Circaea</i>	<i>alpina</i>	small enchanter's nightshade	S5	ssp. <i>alpina</i>
	Onagraceae	<i>Circaea</i>	<i>canadensis</i>	enchanter's nightshade	S5	
	Onagraceae	<i>Epilobium</i>	<i>coloratum</i>	eastern willowherb	S5	
	Onagraceae	<i>Epilobium</i>	<i>hirsutum</i>	great hairy willowherb	SNA	
	Onagraceae	<i>Epilobium</i>	<i>strictum</i>	downy willowherb	S5	
	Onagraceae	<i>Ludwigia</i>	<i>palustris</i>	water purslane	S5	
	Onagraceae	<i>Oenothera</i>	<i>biennis</i>	evening primrose	S5	
	Onagraceae	<i>Oenothera</i>	<i>perennis</i>	sundrops	S5	
	Onocleaceae	<i>Onoclea</i>	<i>sensibilis</i>	sensitive fern	S5	
	Orchidaceae	<i>Epipactis</i>	<i>helleborine</i>	weed orchid	SNA	
	Orobanchaceae	<i>Epifagus</i>	<i>virginiana</i>	beechdrops	S5	
	Osmundaceae	<i>Osmunda</i>	<i>claytonia</i>	interrupted fern	S5	
	Osmundaceae	<i>Osmundastrum</i>	<i>cinnamomeum</i>	cinnamon fern	S5	
	Oxalidaceae	<i>Oxalis</i>	<i>montana</i>	white wood sorrel	S5	
	Oxalidaceae	<i>Oxalis</i>	<i>stricta</i>	common yellow wood sorrel	S5	
	Phrymaceae	<i>Mimulus</i>	<i>ringens</i>	monkey flower	S5	
	Phytolaccaceae	<i>Phytolacca</i>	<i>americana</i>	common pokeweed	S5	
	Pinaceae	<i>Picea</i>	<i>abies</i>	Norway spruce	SNA	
	Pinaceae	<i>Picea</i>	<i>pungens</i>	blue spruce	SNA	
	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	SNA	
	Pinaceae	<i>Tsuga</i>	<i>canadensis</i>	eastern hemlock	S5	
	Plantaginaceae	<i>Chelone</i>	<i>glabra</i>	white turtlehead	S5	
	Plantaginaceae	<i>Plantago</i>	<i>lanceolata</i>	English plantain	SNA	
	Plantaginaceae	<i>Plantago</i>	<i>major</i>	common plantain	SNA	
	Plantaginaceae	<i>Plantago</i>	<i>rugelii</i>	blackseed plantain	S5	
	Plantaginaceae	<i>Veronica</i>	<i>anagallis-aquatica</i>	water speedwell	SNA	
	Plantaginaceae	<i>Veronica</i>	<i>officinalis</i>	common speedwell	SNA	
	Poaceae	<i>Agrostis</i>	<i>gigantea</i>	redtop	SNA	
	Poaceae	<i>Anthoxanthum</i>	<i>odoratum</i>	sweet vernal grass	SNA	
	Poaceae	<i>Bromus</i>	<i>inermis</i>	smooth brome	SNA	
	Poaceae	<i>Calamagrostis</i>	<i>canadensis</i>	bluejoint	S5	var. <i>canadensis</i>
	Poaceae	<i>Dactylis</i>	<i>glomerata</i>	orchard grass	SNA	
	Poaceae	<i>Danthonia</i>	<i>spicata</i>	poverty oatgrass	S5	
	Poaceae	<i>Dichanthelium</i>	<i>clandestinum</i>	deer-tongue grass	S5	
	Poaceae	<i>Dichanthelium</i>	<i>lanuginosum</i>	wooly rosette grass	S5	
	Poaceae	<i>Echinochloa</i>	<i>crus-galli</i>	Eurasian barnyard grass	SNA	

PLANT SPECIES INVENTORY

Species identified during on-site ecological surveys conducted by EDR within 2019-2020

Notes ¹	Family	Genus	species	common name	Conservation Rank ²	infraspecific rank
	Poaceae	<i>Elymus</i>	<i>hystrix</i>	bottlebrush grass	S5	var. <i>hystrix</i>
	Poaceae	<i>Glyceria</i>	<i>canadensis</i>	Canada manna grass	S5	
	Poaceae	<i>Glyceria</i>	<i>melicaria</i>	slender manna grass	S5	
	Poaceae	<i>Glyceria</i>	<i>striata</i>	fowl manna grass	S5	
	Poaceae	<i>Holcus</i>	<i>lanatus</i>	velvet grass	SNA	
	Poaceae	<i>Leersia</i>	<i>oryzoides</i>	rice cutgrass	S5	
	Poaceae	<i>Oryzopsis</i>	<i>asperifolia</i>	spreading ricegrass	S5	
	Poaceae	<i>Phalaris</i>	<i>arundinacea</i>	reed canary grass	SNR	
	Poaceae	<i>Phleum</i>	<i>pratense</i>	timothy	SNA	ssp. <i>pratense</i>
1	Poaceae	<i>Phragmites</i>	<i>australis</i>	common reed	SNA	
	Poaceae	<i>Poa</i>	<i>pratensis</i>	Kentucky bluegrass	SNA	
	Poaceae	<i>Schizachne</i>	<i>purpurascens</i>	false melic grass	S5	
	Poaceae	<i>Schizachyrium</i>	<i>scoparium</i>	little bluestem	S5	var. <i>scoparium</i>
	Polygalaceae	<i>Polygala</i>	<i>sanguinea</i>	blood milkwort	S5	
	Polygonaceae	<i>Persicaria</i>	<i>arifolia</i>	halberd-leaved tearthumb	S5	
	Polygonaceae	<i>Persicaria</i>	<i>lapathifolia</i>	dock-leaved smartweed	SNR	
	Polygonaceae	<i>Persicaria</i>	<i>maculosa</i>	spotted lady's-thumb	SNA	
	Polygonaceae	<i>Persicaria</i>	<i>sagittata</i>	arrow-leaf tearthumb	S5	
	Polygonaceae	<i>Persicaria</i>	<i>virginiana</i>	jumpseed	S5	
	Polygonaceae	<i>Polygonum</i>	<i>aviculare</i>	doorweed	SNA	
	Polygonaceae	<i>Rumex</i>	<i>acetosella</i>	sheep sorrel	SNA	ssp. <i>pyrenaicus</i>
	Polygonaceae	<i>Rumex</i>	<i>crispus</i>	curly dock	SNA	ssp. <i>crispus</i>
	Polygonaceae	<i>Rumex</i>	<i>obtusifolius</i>	bitter dock	SNA	ssp. <i>obtusifolius</i>
	Primulaceae	<i>Lysimachia</i>	<i>borealis</i>	starflower	S5	
	Primulaceae	<i>Lysimachia</i>	<i>ciliata</i>	fringed loosestrife	S5	
	Primulaceae	<i>Lysimachia</i>	<i>nummularia</i>	creeping Jennie	SNA	
	Ranunculaceae	<i>Clematis</i>	<i>virginiana</i>	virgin's bower	S5	
	Ranunculaceae	<i>Coptis</i>	<i>trifolia</i>	goldthread	S5	
	Ranunculaceae	<i>Hepatica</i>	<i>acutiloba</i>	sharp-lobed hepatica	S5	
	Ranunculaceae	<i>Ranunculus</i>	<i>acris</i>	tall buttercup	SNA	
	Ranunculaceae	<i>Ranunculus</i>	<i>caricetorum</i>	bristly buttercup	S5	
	Ranunculaceae	<i>Ranunculus</i>	<i>repens</i>	creeping buttercup	SNA	
	Ranunculaceae	<i>Thalictrum</i>	<i>pubescens</i>	tall meadow-rue	S5	
	Rosaceae	<i>Agrimonia</i>	<i>gryposepala</i>	common agrimony	S5	
	Rosaceae	<i>Amelanchier</i>	spp.	serviceberries	SNR	
	Rosaceae	<i>Crataegus</i>	<i>monogyna</i>	one-seeded hawthorn	SNA	var. <i>monogyna</i>
	Rosaceae	<i>Crataegus</i>	spp.	other hawthorns	SNR	
	Rosaceae	<i>Fragaria</i>	<i>virginiana</i>	common wild strawberry	S5	spp. <i>virginiana</i>
	Rosaceae	<i>Geum</i>	<i>canadense</i>	white avens	S5	
	Rosaceae	<i>Geum</i>	<i>rivale</i>	purple avens	S5	
	Rosaceae	<i>Malus</i>	<i>domestica</i>	apple	SNA	
	Rosaceae	<i>Potentilla</i>	<i>indica</i>	mock strawberry	SNA	
	Rosaceae	<i>Potentilla</i>	<i>norvegica</i>	ternate-leaved cinquefoil	SNA	
	Rosaceae	<i>Potentilla</i>	<i>recta</i>	sulphur cinquefoil	SNA	
	Rosaceae	<i>Potentilla</i>	<i>simplex</i>	old field cinquefoil	S5	

PLANT SPECIES INVENTORY

Species identified during on-site ecological surveys conducted by EDR within 2019-2020

Notes ¹	Family	Genus	species	common name	Conservation Rank ²	infraspecific rank
	Rosaceae	<i>Prunus</i>	<i>pensylvanica</i>	pin cherry	S5	
	Rosaceae	<i>Prunus</i>	<i>serotina</i>	black cherry	S5	var. <i>serotina</i>
	Rosaceae	<i>Prunus</i>	<i>virginiana</i>	choke cherry	S5	var. <i>virginiana</i>
	Rosaceae	<i>Pyrus</i>	<i>communis</i>	common pear	SNA	
1	Rosaceae	<i>Rosa</i>	<i>multiflora</i>	multiflora rose	SNA	
	Rosaceae	<i>Rosa</i>	<i>palustris</i>	swamp rose	S5	
	Rosaceae	<i>Rubus</i>	<i>alleghaniensis</i>	common blackberry	S5	
	Rosaceae	<i>Rubus</i>	<i>flagellaris</i>	northern dewberry	S5	
	Rosaceae	<i>Rubus</i>	<i>hispidus</i>	bristly dewberry	S5	
	Rosaceae	<i>Rubus</i>	<i>idaeus</i>	red raspberry	S5	
	Rosaceae	<i>Rubus</i>	<i>laciniatus</i>	cut-leaved blackberry	SNA	
	Rosaceae	<i>Rubus</i>	<i>occidentalis</i>	black raspberry	S5	
	Rosaceae	<i>Rubus</i>	<i>pubescens</i>	dwarf raspberry	S5	
	Rosaceae	<i>Sorbus</i>	<i>aucuparia</i>	European mountain-ash	SNA	
	Rosaceae	<i>Spiraea</i>	<i>alba</i>	meadowsweet	S5	
	Rosaceae	<i>Spiraea</i>	<i>tomentosa</i>	steeplebush	S5	
	Rubiaceae	<i>Galium</i>	<i>album</i>	wild madder	SNA	
	Rubiaceae	<i>Galium</i>	<i>asprellum</i>	rough bedstraw	S5	
	Rubiaceae	<i>Galium</i>	<i>trifidum</i>	small bedstraw	S5	ssp. <i>trifidum</i>
	Rubiaceae	<i>Mitchella</i>	<i>repens</i>	partridgeberry	S5	
	Salicaceae	<i>Populus</i>	<i>deltoides</i>	eastern cottonwood	S5	ssp. <i>deltoides</i>
	Salicaceae	<i>Populus</i>	<i>grandidentata</i>	bigtooth aspen	S5	
	Salicaceae	<i>Populus</i>	<i>tremuloides</i>	quaking aspen	S5	
	Salicaceae	<i>Salix</i>	spp.	willows	SNR	
	Sapindaceae	<i>Acer</i>	<i>rubrum</i>	common red maple	S5	var. <i>rubrum</i>
	Sapindaceae	<i>Acer</i>	<i>saccharinum</i>	silver maple	S5	
	Sapindaceae	<i>Acer</i>	<i>saccharum</i>	sugar maple	S5	
	Saxifragaceae	<i>Chrysosplenium</i>	<i>americanum</i>	golden saxifrage	S4	
	Saxifragaceae	<i>Micranthes</i>	<i>pensylvanica</i>	swamp saxifrage	S4S5	
	Saxifragaceae	<i>Tiarella</i>	<i>cordifolia</i>	foamflower	S5	
	Scrophulariaceae	<i>Verbascum</i>	<i>thapsus</i>	common mullein	SNA	
	Smilacaceae	<i>Smilax</i>	<i>hispida</i>	bristly greenbrier	S5	
	Solanaceae	<i>Solanum</i>	<i>carolinense</i>	horsenettle	S5	var. <i>carolinense</i>
	Solanaceae	<i>Solanum</i>	<i>dulcamara</i>	deadly nightshade	SNA	
	Thelypteridaceae	<i>Thelypteris</i>	<i>noveboracensis</i>	New York fern	S5	
	Thelypteridaceae	<i>Thelypteris</i>	<i>palustris</i>	marsh fern	S5	var. <i>pubescens</i>
	Typhaceae	<i>Sparganium</i>	<i>americanum</i>	American 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	
	Urticaceae	<i>Boehmeria</i>	<i>cylindrica</i>	false nettle	S5	
	Urticaceae	<i>Laportea</i>	<i>canadensis</i>	wood nettle	S5	
	Urticaceae	<i>Pilea</i>	<i>pumila</i>	clearweed	S5	
	Verbenaceae	<i>Verbena</i>	<i>hastata</i>	blue vervain	S5	
	Verbenaceae	<i>Verbena</i>	<i>urticifolia</i>	white vervain	S5	

PLANT SPECIES INVENTORY

Species identified during on-site ecological surveys conducted by EDR within 2019-2020

Notes ¹	Family	Genus	species	common name	Conservation Rank ²	infraspecific rank
	Violaceae	<i>Viola</i>	<i>labradorica</i>	American dog violet	SNR	
	Violaceae	<i>Viola</i>	<i>rotundifolia</i>	roundleaf violet	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>aestivalis</i>	summer grape	S5	
	Vitaceae	<i>Vitis</i>	<i>riparia</i>	riverbank grape	S5	

Nomenclature follows the New York Flora Atlas (Weldy et al., 2020).

Notes¹

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).
3. This species is listed as endangered by New York State. Endangered plants are typically species with either five or fewer extant sites or fewer than 1,000 individuals; or species that are restricted to fewer than four USGS 7½ minute series quad maps; or species that are listed as endangered by the United State Department of Interior (Young, 2019).

State Conservation Ranks²

- S1 Critically imperiled in New York State because of extreme rarity (5 or fewer sites or very few remaining individuals) or extremely vulnerable to extirpation from New York State due to biological or human factors.
- S2 Imperiled in New York State because of rarity (6 - 20 sites or few remaining individuals) or highly vulnerable to extirpation from New York State due to biological or human factors.
- S3 Vulnerable in New York State. At moderate risk of extinction or elimination due to very restricted range, very few populations (usually 21 - 35 extant sites), steep declines, or other factors.
- 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.
- SNA Species for which a rank is not applicable. These plants are not native in New York State and are not of conservation concern.
- SNR Not yet ranked.

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. 2020. 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 2020; last updated September 9, 2020).

Young, S.M. 2019. New York Rare Plant Status Lists. New York Natural Heritage Program, State University of New York College of environmental Science and Forestry. Albany, NY. March 2019. 108 pp.

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
Bird Species					
	<u>Anatidae</u>			<u>Ducks, Geese, and Waterfowl</u>	
1,2,3,5	Anatidae	<i>Aix</i>	<i>sponsa</i>	wood duck	
4,5	Anatidae	<i>Anas</i>	<i>acuta</i>	northern pintail	SGCN
4,5	Anatidae	<i>Anas</i>	<i>crecca</i>	green-winged teal	
1,2,3,4,5	Anatidae	<i>Anas</i>	<i>platyrhynchos</i>	mallard	
3,4	Anatidae	<i>Anas</i>	<i>rubripes</i>	American black duck	SGCN-HP
4	Anatidae	<i>Anser</i>	<i>caerulescens</i>	snow goose	
4	Anatidae	<i>Aythya</i>	<i>affinis</i>	lesser scaup	SGCN
4	Anatidae	<i>Aythya</i>	<i>americana</i>	redhead	
4,5	Anatidae	<i>Aythya</i>	<i>collaris</i>	ring-necked duck	
4	Anatidae	<i>Aythya</i>	<i>marila</i>	greater scaup	SGCN
4	Anatidae	<i>Aythya</i>	<i>valisineria</i>	canvasback	
1,2,3,4,5	Anatidae	<i>Branta</i>	<i>canadensis</i>	Canada goose	
4,5	Anatidae	<i>Bucephala</i>	<i>albeola</i>	bufflehead	
4	Anatidae	<i>Bucephala</i>	<i>clangula</i>	common goldeneye	SGCN
4	Anatidae	<i>Clangula</i>	<i>hyemalis</i>	long-tailed duck	SGCN
4	Anatidae	<i>Cygnus</i>	<i>columbianus</i>	tundra swan	
4	Anatidae	<i>Cygnus</i>	<i>olor</i>	mute swan	
4,5	Anatidae	<i>Lophodytes</i>	<i>cucullatus</i>	hooded merganser	
4,5	Anatidae	<i>Mareca</i>	<i>americana</i>	American wigeon	
4	Anatidae	<i>Mareca</i>	<i>strepera</i>	gadwall	
2,4,5	Anatidae	<i>Mergus</i>	<i>merganser</i>	common merganser	
4	Anatidae	<i>Mergus</i>	<i>serrator</i>	red-breasted merganser	
4	Anatidae	<i>Oxyura</i>	<i>jamaicensis</i>	ruddy duck	SGCN
4,5	Anatidae	<i>Spatula</i>	<i>clypeata</i>	northern shoveler	
5	Anatidae	<i>Spatula</i>	<i>discors</i>	blue-winged teal	SGCN
	<u>Phasianidae</u>			<u>Pheasants, Grouse, and Allies</u>	
3,4,5	Phasianidae	<i>Bonasa</i>	<i>umbellus</i>	ruffed grouse	SGCN
1,2,3,4,5	Phasianidae	<i>Meleagris</i>	<i>gallopavo</i>	wild turkey	
3	Phasianidae	<i>Phasianus</i>	<i>colchicus</i>	ring-necked pheasant	
	<u>Gaviidae</u>			<u>Loons</u>	
4	Gaviidae	<i>Gavia</i>	<i>immer</i>	common loon	SGCN
	<u>Podicipedidae</u>			<u>Grebes</u>	
4,5	Podicipedidae	<i>Podiceps</i>	<i>auritus</i>	horned grebe	SGCN
4,5	Podicipedidae	<i>Podilymbus</i>	<i>podiceps</i>	pie-billed grebe	ST, SGCN
	<u>Columbidae</u>			<u>Pigeons, Doves</u>	
1,2,3,4,5	Columbidae	<i>Columba</i>	<i>livia</i>	rock pigeon	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
1,2,3,4,5	Columbidae	<i>Zenaida</i>	<i>macroura</i>	mourning dove	
	<u>Cuculidae</u>			<u>Cuckoos</u>	
1,5	Cuculidae	<i>Coccyzus</i>	<i>americanus</i>	yellow-billed cuckoo	
1,2,5	Cuculidae	<i>Coccyzus</i>	<i>erythrophthalmus</i>	black-billed cuckoo	SGCN
	<u>Apodidae</u>			<u>Swifts</u>	
3,5	Apodidae	<i>Chaetura</i>	<i>pelagica</i>	chimney swift	
	<u>Trochilidae</u>			<u>Hummingbirds</u>	
3,5	Trochilidae	<i>Archilochus</i>	<i>colubris</i>	ruby-throated hummingbird	
	<u>Rallidae</u>			<u>Rails, Gallinules, and Coots</u>	
4	Rallidae	<i>Fulica</i>	<i>americana</i>	American coot	
5	Rallidae	<i>Porzana</i>	<i>carolina</i>	sora rail	
1,5	Rallidae	<i>Rallus</i>	<i>limicola</i>	Virginia rail	
	<u>Gruidae</u>			<u>Cranes</u>	
4	Gruidae	<i>Grus</i>	<i>canadensis</i>	Sandhill Crane	
	<u>Charadriidae</u>			<u>Plovers</u>	
5	Charadriidae	<i>Charadrius</i>	<i>semipalmatus</i>	semipalmated plover	
1,2,3,4,5	Charadriidae	<i>Charadrius</i>	<i>vociferus</i>	killdeer	
	<u>Scolopacidae</u>			<u>Sandpipers</u>	
3,5	Scolopacidae	<i>Actitis</i>	<i>macularius</i>	spotted sandpiper	
5	Scolopacidae	<i>Calidris</i>	<i>alpina</i>	dunlin	
5	Scolopacidae	<i>Calidris</i>	<i>fuscicollis</i>	white-rumped sandpiper	
5	Scolopacidae	<i>Calidris</i>	<i>melanotos</i>	pectoral sandpiper	
5	Scolopacidae	<i>Calidris</i>	<i>minutilla</i>	least sandpiper	
5	Scolopacidae	<i>Calidris</i>	<i>pusilla</i>	semipalmated sandpiper	
3,4,5	Scolopacidae	<i>Gallinago</i>	<i>delicata</i>	Wilson's snipe	
5	Scolopacidae	<i>Limnodromus</i>	<i>griseus</i>	short-billed dowitcher	
1,3,5	Scolopacidae	<i>Scolopax</i>	<i>minor</i>	American woodcock	SGCN
5	Scolopacidae	<i>Tringa</i>	<i>flavipes</i>	lesser yellowlegs	
5	Scolopacidae	<i>Tringa</i>	<i>melanoleuca</i>	greater yellowlegs	SGCN
5	Scolopacidae	<i>Tringa</i>	<i>solitaria</i>	solitary sandpiper	
	<u>Laridae</u>			<u>Gulls, Terns</u>	
4	Laridae	<i>Chroicocephalus</i>	<i>philadelphia</i>	Bonaparte's gull	SGCN
4	Laridae	<i>Larus</i>	<i>argentatus</i>	herring gull	
1,2,4,5	Laridae	<i>Larus</i>	<i>delawarensis</i>	ring-billed gull	
4	Laridae	<i>Larus</i>	<i>fuscus</i>	lesser black-backed gull	
4	Laridae	<i>Larus</i>	<i>marinus</i>	great black-backed gull	
	<u>Phalacrocoracidae</u>			<u>Comorants</u>	
4	Phalacrocoracidae	<i>Phalacrocorax</i>	<i>auritus</i>	double crested cormorant	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Ardeidae</u>			<u>Hérons, Bitterns</u>	
4,5	Ardeidae	<i>Ardea</i>	<i>alba</i>	great egret	SGCN
1,3,4,5	Ardeidae	<i>Ardea</i>	<i>herodias</i>	great blue heron	
3,5	Ardeidae	<i>Butorides</i>	<i>virescens</i>	green heron	
5	Ardeidae	<i>Nycticorax</i>	<i>nycticorax</i>	black-crowned night heron	SGCN
	<u>Cathartidae</u>			<u>American Vultures</u>	
1,2,3,5,11	Cathartidae	<i>Cathartes</i>	<i>aura</i>	turkey vulture	
11	Cathartidae	<i>Coragyps</i>	<i>atratus</i>	black vulture	
	<u>Pandionidae</u>			<u>Osprey</u>	
5	Pandionidae	<i>Pandion</i>	<i>haliaetus</i>	osprey	SSC
	<u>Accipitridae</u>			<u>Hawks</u>	
11	Accipitridae	<i>Aquila</i>	<i>chrysaetos</i>	golden eagle	SE, SGCN
1,2,3,4,5,11	Accipitridae	<i>Accipiter</i>	<i>cooperii</i>	Cooper's hawk	SSC
11	Accipitridae	<i>Accipiter</i>	<i>gentilis</i>	northern goshawk	SSC, SGCN
1,3,4,11	Accipitridae	<i>Accipiter</i>	<i>striatus</i>	sharp-shinned hawk	SSC
1,3,4,5,11	Accipitridae	<i>Buteo</i>	<i>jamaicensis</i>	red-tailed hawk	
4,11	Accipitridae	<i>Buteo</i>	<i>lagopus</i>	rough-legged hawk	
3,4,11	Accipitridae	<i>Buteo</i>	<i>lineatus</i>	red-shouldered hawk	SSC, SGCN
3,5,11	Accipitridae	<i>Buteo</i>	<i>platypterus</i>	broad-winged hawk	
1,4,5,11	Accipitridae	<i>Circus</i>	<i>cyaneus</i>	northern harrier	ST, SGCN
1,2,4,5,6,11	Accipitridae	<i>Haliaeetus</i>	<i>leucocephalus</i>	bald eagle	ST, SGCN
	<u>Strigidae</u>			<u>Owls</u>	
4	Strigidae	<i>Asio</i>	<i>flammeus</i>	short-eared owl	SE, SGCN-HP
4	Strigidae	<i>Asio</i>	<i>otus</i>	long-eared owl	SGCN
4	Strigidae	<i>Bubo</i>	<i>scandiacus</i>	snowy owl	
3,4	Strigidae	<i>Bubo</i>	<i>virginianus</i>	great horned owl	
3,4	Strigidae	<i>Megascops</i>	<i>asio</i>	eastern screech owl	
5	Strigidae	<i>Strix</i>	<i>varia</i>	barred owl	
	<u>Alcedinidae</u>			<u>Kingfishers</u>	
1,3,4,5	Alcedinidae	<i>Ceryle</i>	<i>alcyon</i>	belted kingfisher	
	<u>Picidae</u>			<u>Woodpeckers</u>	
1,2,3,4,5	Picidae	<i>Colaptes</i>	<i>auratus</i>	northern flicker	
1,2,3,4,5	Picidae	<i>Dryocopus</i>	<i>pileatus</i>	pileated woodpecker	
1,2,3,4,5	Picidae	<i>Dryobates</i>	<i>pubescens</i>	downy woodpecker	
1,2,3,4,5	Picidae	<i>Dryobates</i>	<i>villosus</i>	hairy woodpecker	
1,2,4,5	Picidae	<i>Melanerpes</i>	<i>carolinus</i>	red-bellied woodpecker	
3	Picidae	<i>Melanerpes</i>	<i>erythrocephalus</i>	red-headed woodpecker	SSC, SGCN-HP
2,3,4,5	Picidae	<i>Sphyrapicus</i>	<i>varius</i>	yellow-bellied sapsucker	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Falconidae</u>			<u>Falcons</u>	
1,4,11	Falconidae	<i>Falco</i>	<i>columbarius</i>	merlin	
4,11	Falconidae	<i>Falco</i>	<i>peregrinus</i>	peregrine falcon	SGCN
1,2,3,4,5,11	Falconidae	<i>Falco</i>	<i>sparverius</i>	American kestrel	SGCN
	<u>Tyrannidae</u>			<u>Tyrant Flycatchers</u>	
1,2,3,5	Tyrannidae	<i>Contopus</i>	<i>virens</i>	eastern wood-pewee	
1,2,3,5	Tyrannidae	<i>Empidonax</i>	<i>alorum</i>	alder flycatcher	
5	Tyrannidae	<i>Empidonax</i>	<i>flaventris</i>	yellow-bellied flycatcher	
2,3,5	Tyrannidae	<i>Empidonax</i>	<i>minimus</i>	least flycatcher	
1,2,3,5	Tyrannidae	<i>Epidonax</i>	<i>traillii</i>	willow flycatcher	
1,3,5	Tyrannidae	<i>Epidonax</i>	<i>viresceus</i>	Acadian flycatcher	
1,2,3,5	Tyrannidae	<i>Myiarchus</i>	<i>crinitus</i>	great crested flycatcher	
1,2,3,4,5	Tyrannidae	<i>Sayornis</i>	<i>phoebe</i>	eastern phoebe	
1,2,3,5	Tyrannidae	<i>Tyrannus</i>	<i>tyrannus</i>	eastern kingbird	
	<u>Vireonidae</u>			<u>Vireos</u>	
5	Vireonidae	<i>Vireo</i>	<i>flavifrons</i>	yellow-throated vireo	
1,2,3,5	Vireonidae	<i>Vireo</i>	<i>gilvus</i>	warbling vireo	
1,2,3,5	Vireonidae	<i>Vireo</i>	<i>olivaceus</i>	red-eyed vireo	
1,2,3,5	Vireonidae	<i>Vireo</i>	<i>solitarius</i>	blue-headed vireo	
	<u>Laniidae</u>			<u>Shrikes</u>	
1,4	Laniidae	<i>Lanius</i>	<i>borealis</i>	northern shrike	
	<u>Corvidae</u>			<u>Jays, Crows</u>	
1,2,3,4,5	Corvidae	<i>Corvus</i>	<i>brachyrhynchus</i>	American crow	
1,4,5	Corvidae	<i>Corvus</i>	<i>corax</i>	common raven	
1,2,3,4,5	Corvidae	<i>Cyanocitta</i>	<i>cristata</i>	blue jay	
	<u>Paridae</u>			<u>Titmice</u>	
1,2,4,5	Paridae	<i>Baeolophus</i>	<i>bicolor</i>	tufted titmouse	
1,2,3,4,5	Paridae	<i>Poecile</i>	<i>atricapillus</i>	black-capped chickadee	
	<u>Alaudidae</u>			<u>Larks</u>	
4	Alaudidae	<i>Eromophila</i>	<i>alpestris</i>	horned lark	SSC, SGCN-HP
	<u>Hirundinidae</u>			<u>Swallows</u>	
1,2,3,5	Hirundinidae	<i>Hirundo</i>	<i>rustica</i>	barn swallow	
3,5	Hirundinidae	<i>Petrochelidon</i>	<i>pyrrhonota</i>	cliff swallow	
3,5	Hirundinidae	<i>Progne</i>	<i>subis</i>	purple martin	
2,3,5	Hirundinidae	<i>Riparia</i>	<i>riparia</i>	bank swallow	
3,5	Hirundinidae	<i>Stelgidopteryx</i>	<i>serripennis</i>	northern rough-winged swallow	
1,2,3,5	Hirundinidae	<i>Tachycineta</i>	<i>bicolor</i>	tree swallow	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Regulidae</u>			<u>Kinglets</u>	
5	Regulidae	<i>Regulus</i>	<i>calendula</i>	ruby-crowned kinglet	
4,5	Regulidae	<i>Regulus</i>	<i>satrapa</i>	golden-crowned kinglet	
	<u>Sittidae</u>			<u>Nuthatches</u>	
4,5	Sittidae	<i>Sitta</i>	<i>canadensis</i>	red-breasted nuthatch	
1,2,3,4,5	Sittidae	<i>Sitta</i>	<i>carolinensis</i>	white-breasted nuthatch	
	<u>Certhiidae</u>			<u>Treecreepers</u>	
1,3,4,5	Certhiidae	<i>Certhia</i>	<i>americana</i>	brown creeper	
	<u>Troglodytidae</u>			<u>Wrens</u>	
5	Troglodytidae	<i>Cistothorus</i>	<i>palustris</i>	marsh wren	
3,4	Troglodytidae	<i>Thryothorus</i>	<i>ludovicianus</i>	Carolina wren	
1,2,3,5	Troglodytidae	<i>Troglodytes</i>	<i>aedon</i>	house wren	
1,3,4	Troglodytidae	<i>Troglodytes</i>	<i>hiemalis</i>	winter wren	
	<u>Sturnidae</u>			<u>Starlings</u>	
1,2,3,4,5	Sturnidae	<i>Sturnus</i>	<i>vulgaris</i>	European starling	
	<u>Motacillidae</u>			<u>Wagtails and Pipits</u>	
4,5	Motacillidae	<i>Anthus</i>	<i>rubescens</i>	American pipit	
	<u>Mimidae</u>			<u>Mimic Thrushes</u>	
1,2,3,5	Mimidae	<i>Dumetella</i>	<i>carolinensis</i>	gray catbird	
3,4	Mimidae	<i>Mimus</i>	<i>polyglottos</i>	northern mockingbird	
1,2,3,5	Mimidae	<i>Toxostoma</i>	<i>rufum</i>	brown thrasher	SGCN-HP
	<u>Turdidae</u>			<u>Thrushes and Allies</u>	
1,2,3,5	Turdidae	<i>Catharus</i>	<i>fuscescens</i>	veery	
1,3,5	Turdidae	<i>Catharus</i>	<i>guttatus</i>	hermit thrush	
1,5	Turdidae	<i>Catharus</i>	<i>ustulatus</i>	Swainson's thrush	
1,2,3,5	Turdidae	<i>Hylocichla</i>	<i>mustelina</i>	wood thrush	SGCN
1,2,3,4,5	Turdidae	<i>Sialia</i>	<i>sialis</i>	eastern bluebird	
1,2,3,4,5	Turdidae	<i>Turdus</i>	<i>migratorius</i>	American robin	
	<u>Bombycillidae</u>			<u>Waxwings</u>	
1,2,3,4,5	Bombycillidae	<i>Bombycilla</i>	<i>cedrorum</i>	cedar waxwing	
	<u>Passeridae</u>			<u>Old World Sparrows</u>	
1,2,3,4,5	Passeridae	<i>Passer</i>	<i>domesticus</i>	house sparrow	
	<u>Fringillidae</u>			<u>Finches and Allies</u>	
4	Fringillidae	<i>Coccothraustes</i>	<i>vespertinus</i>	evening grosbeak	
2,3,4,5	Fringillidae	<i>Haemorhous</i>	<i>mexicanus</i>	house finch	
2,3,4,5	Fringillidae	<i>Haemorhous</i>	<i>purpureus</i>	purple finch	
4	Fringillidae	<i>Spinus</i>	<i>pinus</i>	pine siskin	
1,3,4,5	Fringillidae	<i>Spinus</i>	<i>tristis</i>	American goldfinch	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Calcariidae</u>			<u>Longspurs</u>	
4	Calcariidae	<i>Calcarius</i>	<i>lapponicus</i>	Lapland longspur	
4	Calcariidae	<i>Plectrophenax</i>	<i>nivalis</i>	snow bunting	
	<u>Passerellidae</u>			<u>New World Sparrows</u>	
1	Passerellidae	<i>Ammodramus</i>	<i>savannarum</i>	grasshopper sparrow	SSC, SGCN-HP
1,2,3,4,5	Passerellidae	<i>Junco</i>	<i>hyemalis</i>	dark-eyed junco	
1,2,3,4,5	Passerellidae	<i>Melospiza</i>	<i>georgiana</i>	swamp sparrow	
1,2,3,4,5	Passerellidae	<i>Melospiza</i>	<i>melodia</i>	song sparrow	
1,2,3,4,5	Passerellidae	<i>Passerculus</i>	<i>sandwichensis</i>	savannah sparrow	
4	Passerellidae	<i>Passerella</i>	<i>iliaca</i>	fox sparrow	
1,2,3,4,5	Passerellidae	<i>Pipilo</i>	<i>erythrophthalmus</i>	eastern towhee	
1,2,3,4,5	Passerellidae	<i>Spizella</i>	<i>passerina</i>	chipping sparrow	
1,2,3,4,5	Passerellidae	<i>Spizella</i>	<i>pusilla</i>	field sparrow	
1,4,5	Passerellidae	<i>Spizelloides</i>	<i>arborea</i>	American tree sparrow	
3,4,5	Passerellidae	<i>Zonotrichia</i>	<i>albicollis</i>	white-throated sparrow	
4,5	Passerellidae	<i>Zonotrichia</i>	<i>leucophrys</i>	white-crowned sparrow	
	<u>Icteridae</u>			<u>Blackbirds</u>	
1,2,3,4,5	Icteridae	<i>Agelaius</i>	<i>phoeniceus</i>	red-winged blackbird	
1,2,3,5	Icteridae	<i>Dolichonyx</i>	<i>oryzivorus</i>	bobolink	SSC, SGCN-HP
4,5	Icteridae	<i>Euphagus</i>	<i>carolinus</i>	rusty blackbird	SGCN-HP
1,2,3,5	Icteridae	<i>Icterus</i>	<i>galbula</i>	Baltimore oriole	
3,5	Icteridae	<i>Icterus</i>	<i>spurius</i>	orchard oriole	
1,2,3,4,5	Icteridae	<i>Molothrus</i>	<i>ater</i>	brown-headed cowbird	
1,2,3,4,5	Icteridae	<i>Quiscalus</i>	<i>quiscula</i>	common grackle	
1,2,3,4,5	Icteridae	<i>Sturnella</i>	<i>magna</i>	eastern meadowlark	SGCN-HP
	<u>Parulidae</u>			<u>New World Warblers</u>	
3,5	Parulidae	<i>Cardellina</i>	<i>canadensis</i>	Canada warbler	SGCN-HP
5	Parulidae	<i>Cardellina</i>	<i>pusilla</i>	Wilson's warbler	
3,5	Parulidae	<i>Geothlypis</i>	<i>philadelphia</i>	mourning warbler	
1,2,3,5	Parulidae	<i>Geothlypis</i>	<i>trichas</i>	common yellowthroat	
5	Parulidae	<i>Leiothlypis</i>	<i>celata</i>	orange-crowned warbler	
5	Parulidae	<i>Leiothlypis</i>	<i>peregrina</i>	Tennessee warbler	
5	Parulidae	<i>Leiothlypis</i>	<i>ruficapilla</i>	Nashville warbler	
3,5	Parulidae	<i>Parkesia</i>	<i>motacilla</i>	Louisiana waterthrush	SGCN
5	Parulidae	<i>Parkesia</i>	<i>noveboracensis</i>	northern waterthrush	
1,2,3,5	Parulidae	<i>Seiurus</i>	<i>aurocapillus</i>	ovenbird	
5	Parulidae	<i>Setophaga</i>	<i>americana</i>	northern parula	
1,3,5	Parulidae	<i>Setophaga</i>	<i>citrina</i>	hooded warbler	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
1,3,4,5	Parulidae	<i>Setophaga</i>	<i>coronata</i>	yellow-rumped warbler	
3,5	Parulidae	<i>Setophaga</i>	<i>fusca</i>	Blackburnian warbler	
3,5	Parulidae	<i>Setophaga</i>	<i>magnolia</i>	magnolia warbler	
5	Parulidae	<i>Setophaga</i>	<i>palmarum</i>	palm warbler	
1,2,3,5	Parulidae	<i>Setophaga</i>	<i>pennsylvanica</i>	chestnut-sided warbler	
1,2,3,5	Parulidae	<i>Setophaga</i>	<i>petechia</i>	yellow warbler	
1,5	Parulidae	<i>Setophaga</i>	<i>pinus</i>	pine warbler	
1,2,3,5	Parulidae	<i>Setophaga</i>	<i>ruticilla</i>	American redstart	
5	Parulidae	<i>Setophaga</i>	<i>striata</i>	blackpoll warbler	
1,3,5	Parulidae	<i>Setophaga</i>	<i>virens</i>	black-throated green warbler	
1,2,3,5	Parulidae	<i>Vermivora</i>	<i>cyanoptera</i>	blue-winged warbler	SGCN
	<u>Cardinalidae</u>			<u>Cardinals and Allies</u>	
1,2,3,4,5	Cardinalidae	<i>Cardinalis</i>	<i>cardinalis</i>	northern cardinal	
1,2,3,5	Cardinalidae	<i>Passerina</i>	<i>cyanea</i>	indigo bunting	
1,2,3,4,5	Cardinalidae	<i>Pheucticus</i>	<i>ludovicianus</i>	rose-breasted grosbeak	
1,2,3,5	Cardinalidae	<i>Piranga</i>	<i>olivacea</i>	scarlet tanager	SGCN

Mammal Species

	<u>Didelphiidae</u>			<u>Opossums</u>	
8	Didelphiidae	<i>Didelphis</i>	<i>virginiana</i>	opossum	
	<u>Soricidae</u>			<u>Shrews</u>	
8	Soricidae	<i>Blarina</i>	<i>brevicauda</i>	shorttail shrew	
8	Soricidae	<i>Cryptotis</i>	<i>parva</i>	least shrew	
8	Soricidae	<i>Sorex</i>	<i>cinereus</i>	masked shrew	
	<u>Talpidae</u>			<u>Moles</u>	
8	Talpidae	<i>Condylura</i>	<i>cristata</i>	starnose mole	
8	Talpidae	<i>Parascalops</i>	<i>breweri</i>	hairytail mole	
	<u>Vespertilionidae</u>			<u>Plainnose Bats</u>	
8	Vespertilionidae	<i>Eptesicus</i>	<i>fuscus</i>	big brown bat	
8	Vespertilionidae	<i>Lasiurus</i>	<i>noctivagans</i>	silver-haired bat	SGCN
8	Vespertilionidae	<i>Lasiurus</i>	<i>borealis</i>	red bat	SGCN
8	Vespertilionidae	<i>Lasiurus</i>	<i>cinereus</i>	hoary bat	SGCN
8	Vespertilionidae	<i>Myotis</i>	<i>lucifugus</i>	little brown myotis	SGCN-HP
7,8	Vespertilionidae	<i>Myotis</i>	<i>septentrionalis</i>	northern long-eared bat	FT, ST, SGCN-HP
8	Vespertilionidae	<i>Perimyotis</i>	<i>subflavus</i>	eastern pipistrelle	SGCN-HP
	<u>Procyonidae</u>			<u>Raccoons</u>	
8	Procyonidae	<i>Procyon</i>	<i>lotor</i>	raccoon	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Erethizontidae</u>			<u>Porcupines</u>	
8	Erethizontidae	<i>Erethizon</i>	<i>dorsatum</i>	porcupine	
	<u>Mustelidae</u>			<u>Weasels</u>	
8	Mustelidae	<i>Mephitis</i>	<i>mephitis</i>	striped skunk	
8	Mustelidae	<i>Mustela</i>	<i>erminea</i>	shorttail weasel	
8	Mustelidae	<i>Mustela</i>	<i>frenata</i>	longtail weasel	
8	Mustelidae	<i>Mustela</i>	<i>vison</i>	mink	
	<u>Canidae</u>			<u>Dogs, Wolves, Foxes</u>	
8	Canidae	<i>Canis</i>	<i>latrans</i>	coyote	
8	Canidae	<i>Urocyon</i>	<i>cinereoargenteus</i>	gray fox	
1,8	Canidae	<i>Vulpes</i>	<i>vulpes</i>	red fox	
	<u>Felidae</u>			<u>Cats</u>	
8	Felidae	<i>Felis</i>	<i>rufus</i>	bobcat	
	<u>Sciuridae</u>			<u>Squirrels</u>	
8	Sciuridae	<i>Glaucomys</i>	<i>volans</i>	southern flying squirrel	
8	Sciuridae	<i>Marmota</i>	<i>monax</i>	woodchuck	
8	Sciuridae	<i>Sciurus</i>	<i>carolinensis</i>	eastern gray squirrel	
8	Sciuridae	<i>Sciurus</i>	<i>niger</i>	eastern fox squirrel	
8	Sciuridae	<i>Tamias</i>	<i>striatus</i>	eastern chipmunk	
1,8	Sciuridae	<i>Tamiasciurus</i>	<i>hudsonicus</i>	red squirrel	
	<u>Castoridae</u>			<u>Beaver</u>	
8	Castoridae	<i>Castor</i>	<i>canadensis</i>	beaver	
	<u>Cricetidae</u>			<u>Mice, Rats, Lemmings, Voles</u>	
8	Cricetidae	<i>Microtus</i>	<i>pennsylvanicus</i>	meadow vole	
8	Cricetidae	<i>Ondatra</i>	<i>zibethicus</i>	muskrat	
8	Cricetidae	<i>Peromyscus</i>	<i>leucopus</i>	white-footed mouse	
8	Cricetidae	<i>Peromyscus</i>	<i>maniculatus</i>	deer mouse	
	<u>Muridae</u>			<u>Old World Rats & Mice</u>	
8	Muridae	<i>Mus</i>	<i>musculus</i>	house mouse	
8	Muridae	<i>Rattus</i>	<i>norvegicus</i>	Norway rat	
	<u>Zapeoidae</u>			<u>Jumping Mice</u>	
8	Zapeoidae	<i>Napaeozapus</i>	<i>insignis</i>	woodland jumping mouse	
8	Zapeoidae	<i>Zapus</i>	<i>hudsonicus</i>	meadow jumping mouse	
	<u>Leporidae</u>			<u>Hares, Rabbits</u>	
8	Leporidae	<i>Sylvilagus</i>	<i>floridanus</i>	eastern cottontail	
	<u>Cervidae</u>			<u>Deer</u>	
1,8	Cervidae	<i>Odocoileus</i>	<i>virginianus</i>	whitetail deer	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Ursidae</u>			<u>Bears</u>	
8	Ursidae	<i>Ursus</i>	<i>americanus</i>	black bear	
Amphibian Species					
	<u>Ambystomatidae</u>			<u>Mole Salamanders</u>	
9	Ambystomatidae	<i>Ambystoma</i>	<i>maculatum</i>	spotted salamander	
	<u>Salamandridae</u>			<u>Newts</u>	
9	Salamandridae	<i>Notophthalmus</i>	<i>viridescens</i>	red-spotted newt	
	<u>Plethodontidae</u>			<u>Lungless Salamanders</u>	
9	Plethodontidae	<i>Desmognathus</i>	<i>fuscus</i>	northern dusky salamander	
9	Plethodontidae	<i>Desmognathus</i>	<i>ochrophaeus</i>	Allegheny mountain dusky salamander	
9	Plethodontidae	<i>Eurycea</i>	<i>bislineata</i>	northern two-lined salamander	
9	Plethodontidae	<i>Plethodon</i>	<i>cinereus</i>	eastern red-backed salamander	
9	Plethodontidae	<i>Plethodon</i>	<i>glutinosus</i>	slimy salamander	
	<u>Hylidae</u>			<u>Tree Frogs</u>	
9	Hylidae	<i>Hyla</i>	<i>versicolor</i>	gray treefrog	
1,9	Hylidae	<i>Pseudacris</i>	<i>crucifer</i>	spring peeper	
	<u>Bufo</u>			<u>Toads</u>	
1,9	Bufo	<i>Anaxyrus</i>	<i>americanus</i>	American toad	
	<u>Ranidae</u>			<u>True Frogs</u>	
9	Ranidae	<i>Lithobates</i>	<i>catesbeianus</i>	bull frog	
9	Ranidae	<i>Lithobates</i>	<i>clamitans</i>	green frog	
9	Ranidae	<i>Lithobates</i>	<i>palustris</i>	pickerel frog	
9	Ranidae	<i>Lithobates</i>	<i>pipiens</i>	northern leopard frog	
9	Ranidae	<i>Lithobates</i>	<i>sylvaticus</i>	wood frog	
Reptile Species					
	<u>Chelydridae</u>			<u>Snapping Turtles</u>	
9	Chelydridae	<i>Chelydra</i>	<i>serpentina</i>	common snapping turtle	SGCN
	<u>Emydidae</u>			<u>Box and Water Turtles</u>	
9	Emydidae	<i>Chrysemys</i>	<i>picta</i>	painted turtle	
	<u>Colubridae</u>			<u>Colubrids</u>	
9	Colubridae	<i>Diadophis</i>	<i>punctatus</i>	ring necked snake	
9	Colubridae	<i>Nerodia</i>	<i>sipedon</i>	northern water snake	
9	Colubridae	<i>Opheodrys</i>	<i>vernalis</i>	smooth green snake	SGCN
9	Colubridae	<i>Thamnophis</i>	<i>sirtalis</i>	common garter snake	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
Fish Species					
	<u>Petromyzontidae</u>			<u>Lampreys</u>	
10	Petromyzontidae	<i>Ichthyomyzon</i>	<i>fossor</i>	northern brook lamprey	
10	Petromyzontidae	<i>Ichthyomyzon</i>	<i>unicuspis</i>	silver lamprey	
10	Petromyzontidae	<i>Lethenteron</i>	<i>appendix</i>	American brook lamprey	
10	Petromyzontidae	<i>Petromyzon</i>	<i>marinus</i>	sea lamprey	
	<u>Acipenseridae</u>			<u>Sturgeons</u>	
10	Acipenseridae	<i>Acipenser</i>	<i>fulvescens</i>	lake sturgeon	ST, SGCN
	<u>Lepisosteidae</u>			<u>Gars</u>	
10	Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	longnose gar	
	<u>Amiidae</u>			<u>Bowfin</u>	
10	Amiidae	<i>Amia</i>	<i>calva</i>	bowfin	
	<u>Hiodontidae</u>			<u>Mooneyes</u>	
10	Hiodontidae	<i>Hiodon</i>	<i>tergisus</i>	mooneye	ST, SGCN-HP
	<u>Anguillidae</u>			<u>Freshwater Eels</u>	
10	Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American eel	SGCN-HP
	<u>Clupeidae</u>			<u>Herrings</u>	
10	Clupeidae	<i>Alosa</i>	<i>pseudoharengus</i>	alewife	SGCN
10	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	gizzard shad	
	<u>Cyprinidae</u>			<u>Carps and Minnows</u>	
10	Cyprinidae	<i>Campstoma</i>	<i>anomalum</i>	central stone roller	
10	Cyprinidae	<i>Carassius</i>	<i>auratus</i>	goldfish	
10	Cyprinidae	<i>Chrosomus</i>	<i>eos</i>	northern redbelly dace	
10	Cyprinidae	<i>Clinostomus</i>	<i>elongatus</i>	redside dace	
10	Cyprinidae	<i>Ctenopharyngodon</i>	<i>idella</i>	grass carp	
10	Cyprinidae	<i>Cyprinella</i>	<i>spiloptera</i>	spotfin shiner	
10	Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	common carp	
10	Cyprinidae	<i>Hybognathus</i>	<i>hankinsoni</i>	brassy minnow	
10	Cyprinidae	<i>Hybopsis</i>	<i>amblops</i>	bigeye chub	SGCN-HP
10	Cyprinidae	<i>Luxilus</i>	<i>chrysocephalus</i>	striped shiner	
10	Cyprinidae	<i>Luxilus</i>	<i>cornutus</i>	common shiner	
10	Cyprinidae	<i>Lythrurus</i>	<i>umbratilis</i>	redfin shiner	SSC, SGCN
10	Cyprinidae	<i>Macrhybopsis</i>	<i>storeriana</i>	silver chub	SE
10	Cyprinidae	<i>Margariscus</i>	<i>margarita</i>	Allegheny pearl dace	
10	Cyprinidae	<i>Nocomis</i>	<i>biguttatus</i>	hornyhead chub	
10	Cyprinidae	<i>Nocomis</i>	<i>micropogon</i>	river chub	
10	Cyprinidae	<i>Notemigonus</i>	<i>crysoleucas</i>	golden shiner	
10	Cyprinidae	<i>Notropis</i>	<i>atherinoides</i>	emerald shiner	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
10	Cyprinidae	<i>Notropis</i>	<i>bifrenatus</i>	bridle shiner	SGCN
10	Cyprinidae	<i>Notropis</i>	<i>dorsalis</i>	bigmouth shiner	SGCN
10	Cyprinidae	<i>Notropis</i>	<i>heterodon</i>	blackchin shiner	SGCN
10	Cyprinidae	<i>Notropis</i>	<i>heterolepis</i>	blacknose shiner	SGCN
10	Cyprinidae	<i>Notropis</i>	<i>hudsonicus</i>	spottail shiner	
10	Cyprinidae	<i>Notropis</i>	<i>rubellus</i>	rosyface shiner	
10	Cyprinidae	<i>Notropis</i>	<i>stramineus</i>	sand shiner	
10	Cyprinidae	<i>Notropis</i>	<i>volucellus</i>	mimic shiner	
10	Cyprinidae	<i>Pimephales</i>	<i>notatus</i>	bluntnose minnow	
10	Cyprinidae	<i>Pimephales</i>	<i>promelas</i>	fathead minnow	
10	Cyprinidae	<i>Rhinichthys</i>	<i>cataractae</i>	longnose dace	
10	Cyprinidae	<i>Rhinichthys</i>	<i>obtusus</i>	western blacknose dace	
10	Cyprinidae	<i>Scardinius</i>	<i>erythrophthalmus</i>	common rudd	
10	Cyprinidae	<i>Semotilus</i>	<i>atromaculatus</i>	creek chub	
10	Cyprinidae	<i>Semotilus</i>	<i>corporalis</i>	fall fish	
	<u>Catostomidae</u>			<u>Suckers</u>	
10	Catostomidae	<i>Carpioides</i>	<i>cyprinus</i>	quillback	
10	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	white sucker	
10	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	creek chubsucker	
10	Catostomidae	<i>Erimyzon</i>	<i>sucetta</i>	lake chubsucker	ST
10	Catostomidae	<i>Hypentellum</i>	<i>nigricans</i>	northern hogsucker	
10	Catostomidae	<i>Ictiobus</i>	<i>bubalus</i>	smallmouth buffalo	
10	Catostomidae	<i>Ictiobus</i>	<i>cyprinellus</i>	bigmouth buffalo	
10	Catostomidae	<i>Minytrema</i>	<i>melanops</i>	spotted sucker	
10	Catostomidae	<i>Moxostoma</i>	<i>anisurum</i>	silver redhorse	
10	Catostomidae	<i>Moxostoma</i>	<i>duquesnei</i>	black redhorse	SSC, SGCN
10	Catostomidae	<i>Moxostoma</i>	<i>erythrurum</i>	golden redhorse	
10	Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	shorthead redhorse	
10	Catostomidae	<i>Moxostoma</i>	<i>valenciennesi</i>	greater redhorse	
	<u>Ictaluridae</u>			<u>Bullhead/Catfishes</u>	
10	Ictaluridae	<i>Ameiurus</i>	<i>melas</i>	black bullhead	SGCN
10	Ictaluridae	<i>Ameiurus</i>	<i>natalis</i>	yellow bullhead	
10	Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	brown bullhead	
10	Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	channel catfish	
10	Ictaluridae	<i>Norturus</i>	<i>flavus</i>	stonecat	
10	Ictaluridae	<i>Norurus</i>	<i>gyrinus</i>	tadpole madtom	
10	Ictaluridae	<i>Noturus</i>	<i>miurus</i>	brindled madtom	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Salmonidae</u>			<u>Trout</u>	
10	Salmonidae	<i>Coregonus</i>	<i>artedi</i>	cisco	SGCN
10	Salmonidae	<i>Coregonus</i>	<i>clupeformis</i>	lake whitefish	
10	Salmonidae	<i>Onchorhynchus</i>	<i>gorbuscha</i>	pink salmon	
10	Salmonidae	<i>Onchorhynchus</i>	<i>kisutch</i>	coho salmon	
10	Salmonidae	<i>Oncorhynchus</i>	<i>mykiss</i>	rainbow trout	
10	Salmonidae	<i>Oncorhynchus</i>	<i>tshawytscha</i>	chinook salmon	
10	Salmonidae	<i>Salmo</i>	<i>trutta</i>	brown trout	
10	Salmonidae	<i>Salvelinus</i>	<i>fontinalis</i>	brook trout	SGCN
10	Salmonidae	<i>Salvelinus</i>	<i>namaycush</i>	lake trout	SGCN
	<u>Esocidae</u>			<u>Pikes</u>	
10	Esocidae	<i>Esox</i>	<i>americanus</i>	grass pickerel	
10	Esocidae	<i>Esox</i>	<i>lucius</i>	northern pike	
10	Esocidae	<i>Esox</i>	<i>masquinongy</i>	muskellunge	SGCN
10	Esocidae	<i>Esox</i>	<i>niger</i>	chain pickerel	
10	Esocidae	<i>Umbra</i>	<i>limi</i>	central mudminnow	
	<u>Percopsidae</u>			<u>Trout-perches</u>	
10	Percopsidae	<i>Percopsis</i>	<i>omiscoyca</i>	trout perch	
	<u>Aphredoderidae</u>			<u>Pirate Perch</u>	
10	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	pirate perch	SGCN
	<u>Lotidae</u>			<u>Cods</u>	
10	Lotidae	<i>Lota</i>	<i>lota</i>	burbot	
	<u>Atherinopsidae</u>			<u>New World Silversides</u>	
10	Atherinopsidae	<i>Labidesthes</i>	<i>sicculus</i>	brook silversides	
	<u>Fundulidae</u>			<u>Topminnows</u>	
10	Fundulidae	<i>Fundulus</i>	<i>diphanus</i>	banded killifish	
	<u>Gasterosteidae</u>			<u>Sticklebacks</u>	
10	Gasterosteidae	<i>Culaea</i>	<i>inconstans</i>	brook stickleback	
	<u>Cottidae</u>			<u>Sculpins</u>	
10	Cottidae	<i>Cottus</i>	<i>bairdii</i>	mottled sculpin	
10	Cottidae	<i>Cottus</i>	<i>cognatus</i>	slimy sculpin	
10	Cottidae	<i>Cottus</i>	<i>ricei</i>	spoonhead sculpin	SE
10	Cottidae	<i>Myoxocephalus</i>	<i>thompsonii</i>	deepwater sculpin	SE, SGCN
	<u>Moronidae</u>			<u>Temperate Bass</u>	
10	Moronidae	<i>Morone</i>	<i>americana</i>	white perch	
10	Moronidae	<i>Morone</i>	<i>chrysops</i>	white bass	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Centrarchidae</u>			<u>Sunfishes</u>	
10	Centrarchidae	<i>Ambloplites</i>	<i>rupestris</i>	rock bass	
10	Centrarchidae	<i>Lepomis</i>	<i>cyanellus</i>	green sunfish	
10	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	pumpkinseed	
10	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	bluegill	
10	Centrarchidae	<i>Lepomis</i>	<i>peltastes</i>	northern sunfish	ST, SGCN-HP
10	Centrarchidae	<i>Micropterus</i>	<i>dolomieu</i>	smallmouth bass	
10	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	largemouth bass	
10	Centrarchidae	<i>Pomoxis</i>	<i>annularis</i>	white crappie	
10	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	black crappie	
	<u>Percidae</u>			<u>Perches</u>	
10	Percidae	<i>Ammocrypta</i>	<i>pellucida</i>	eastern sand darter	ST, SGCN
10	Percidae	<i>Etheostoma</i>	<i>blennioides</i>	greenside darter	
10	Percidae	<i>Etheostoma</i>	<i>caeruleum</i>	rainbow darter	
10	Percidae	<i>Etheostoma</i>	<i>exile</i>	Iowa darter	SGCN
10	Percidae	<i>Etheostoma</i>	<i>flabellare</i>	fantail darter	
10	Percidae	<i>Etheostoma</i>	<i>nigrum</i>	Johnny darter	
10	Percidae	<i>Perca</i>	<i>flavescens</i>	yellow perch	
10	Percidae	<i>Percina</i>	<i>caprodes</i>	common logperch	
10	Percidae	<i>Percina</i>	<i>copelandi</i>	channel darter	
10	Percidae	<i>Percina</i>	<i>maculata</i>	blackside darter	
10	Percidae	<i>Sander</i>	<i>canadensis</i>	sauger	SGCN-HP
10	Percidae	<i>Sander</i>	<i>glaucus</i>	blue pike	
10	Percidae	<i>Sander</i>	<i>vitreus</i>	walleye	
	<u>Sciaenidae</u>			<u>Drums</u>	
10	Sciaenidae	<i>Aplodinotus</i>	<i>grunniens</i>	freshwater drum	
	<u>Gobiidae</u>			<u>Gobies</u>	
10	Gobiidae	<i>Neogobius</i>	<i>melanostomus</i>	round goby	
Terrestrial Mollusk Species					
	<u>Agriolimacidae</u>			<u>Land Slugs</u>	
12	Agriolimacidae	<i>Deroceras</i>	<i>reticulatum</i>	milky slug	
	<u>Arionidae</u>			<u>Roundback Slugs</u>	
12	Arionidae	<i>Arion</i>	<i>subfuscus</i>	western dusky slug	
	<u>Limacidae</u>			<u>Keelback Slugs</u>	
12	Limacidae	<i>Limax</i>	<i>maximus</i>	leopard slug	
	<u>Philomycidae</u>			<u>Mantleslugs</u>	
12	Philomycidae	<i>Philomycus</i>	<i>togatus</i>	toga mantleslug	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Helicidae</u>			<u>Helix Snails</u>	
12	Helicidae	<i>Cepaea</i>	<i>hortensis</i>	white-lipped snail	
12	Helicidae	<i>Cepaea</i>	<i>nemoralis</i>	brown-lipped snail	
	<u>Succineidae</u>			<u>Amber Snails</u>	
12	Succineidae	<i>Succinea</i>	<i>putris</i>	common European amber snail	
Segmented Worm Species					
	<u>Lumbricidae</u>			<u>Earthworms</u>	
12	Lumbricidae	<i>Aporrectodea</i>	<i>longa</i>	black-headed worm	
12	Lumbricidae	<i>Lumbricus</i>	<i>terrestris</i>	common earthworm	
Centipede and Millepede Species					
	<u>Lithobiidae</u>			<u>Stone Centipedes</u>	
12	Lithobiidae	<i>Lithobius</i>	<i>forficatus</i>	brown centipede	
	<u>Paradoxosomatidae</u>			<u>Flat-Backed Millipedes</u>	
12	Paradoxosomatidae	<i>Oxidus</i>	<i>gracilis</i>	greenhouse millipede	
	<u>Scutigeraeidae</u>			<u>House Centipedes</u>	
12	Scutigeraeidae	<i>Scutigera</i>	<i>coleoptrata</i>	house centipede	
	<u>Spirobolidae</u>			<u>Spirobold Millipedes</u>	
12	Spirobolidae	<i>Narceus</i>	<i>americanus</i>	American giant millipede	
	<u>Xystodesmidae</u>			<u>Keeled Millipedes</u>	
12	Xystodesmidae	<i>Apheloria</i>	<i>virginiensis</i>	black-and-gold flat millipede	
12	Xystodesmidae	<i>Rudiloria</i>	<i>trimaculata</i>	a millipede	
Terrestrial Crustacean Species					
	<u>Armadillidiidae</u>			<u>Pill Woodlice</u>	
12	Armadillidiidae	<i>Armadillidium</i>	<i>nasatum</i>	nosy pill woodlouse	
12	Armadillidiidae	<i>Armadillidium</i>	<i>vulgare</i>	common pill woodlouse	
	<u>Oniscidae</u>			<u>Sowbugs</u>	
12	Oniscidae	<i>Oniscus</i>	<i>asellus</i>	common shiny woodlouse	
12	Oniscidae	<i>Porcellio</i>	<i>spinicornis</i>	brickwork woodlouse	
	<u>Philosciidae</u>			<u>Philiscid Woodlice</u>	
12	Philosciidae	<i>Philoscia</i>	<i>muscorum</i>	common striped woodlouse	
	<u>Porcellionidae</u>			<u>Porcellionid Woodlice</u>	
12	Porcellionidae	<i>Porcellio</i>	<i>scaber</i>	common rough woodlouse	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
Arachnid Species					
	<u>Ixodidae</u>			<u>Hardbacked Ticks</u>	
12	Ixodidae	<i>Ixodes</i>	<i>scapularis</i>	deer tick	
	<u>Sclerosomatidae</u>			<u>Sclerosomatid Harvestmen</u>	
12	Sclerosomatidae	<i>Leiobunum</i>	<i>vittatum</i>	eastern harvestman	
	<u>Agelenidae</u>			<u>Funnel Weavers</u>	
12	Agelenidae	<i>Tegenaria</i>	<i>domestica</i>	barn funnel weaver	
	<u>Araneidae</u>			<u>Orbweavers</u>	
12	Araneidae	<i>Araneus</i>	<i>diadematus</i>	cross orbweaver	
12	Araneidae	<i>Araneus</i>	<i>marmoreus</i>	marbled orbweaver	
12	Araneidae	<i>Argiope</i>	<i>aurantia</i>	yellow garden spider	
12	Araneidae	<i>Argiope</i>	<i>trifasciata</i>	banded garden spider	
	<u>Cheiracanthiidae</u>			<u>Sac Spiders</u>	
12	Cheiracanthiidae	<i>Cheiracanthium</i>	<i>mildei</i>	northern yellow sac spider	
	<u>Linyphiidae</u>			<u>Sheet Web Weavers</u>	
12	Linyphiidae	<i>Neriere</i>	<i>radiata</i>	filmy dome spider	
	<u>Lycosidae</u>			<u>Wolf Spiders</u>	
12	<i>Tigrosa helluo</i>	<i>Tigrosa</i>	<i>helluo</i>	wetland giant wolf spider	
	<u>Pholcidae</u>			<u>Cellar Spiders</u>	
12	Pholcidae	<i>Pholcus</i>	<i>phalangioides</i>	long-bodied cellar spider	
	<u>Pisauridae</u>			<u>Nursey Web Spiders</u>	
12	Pisauridae	<i>Dolomedes</i>	<i>tenebrosus</i>	dark fishing spider	
12	Pisauridae	<i>Dolomedes</i>	<i>scriptus</i>	striped fishing spider	
	<u>Salticidae</u>			<u>Jumping Spiders</u>	
12	Salticidae	<i>Phidippus</i>	<i>audax</i>	bold jumping spider	
12	Salticidae	<i>Platycryptus</i>	<i>undatus</i>	tan jumping spider	
	<u>Theridiidae</u>			<u>Cobweb Spiders</u>	
12	Theridiidae	<i>Parasteatoda</i>	<i>tepidariorum</i>	common house spider	
	<u>Thomisidae</u>			<u>Crab Spiders</u>	
12	Thomisidae	<i>Misumena</i>	<i>vatia</i>	goldenrod crab spider	
Springtail Species					
	<u>Hypogastruridae</u>			<u>Hypogastrurid Springtails</u>	
12	Hypogastruridae	<i>Hypogastrura</i>	<i>nivicola</i>	snowflea	
	<u>Entomobryidae</u>			<u>Slender Springtails</u>	
12	Entomobryidae	<i>Lepidocyrtus</i>	<i>paradoxus</i>	a slender springtail	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
Insect Species					
	<u>Ephemeridae</u>			<u>Burrowing Mayflies</u>	
12	Ephemeridae	<i>Hexagenia</i>	<i>limbata</i>	giant mayfly	
	<u>Aeshnidae</u>			<u>Darners</u>	
12	Aeshnidae	<i>Aeshna</i>	<i>constricta</i>	lance-tipped darner	
12	Aeshnidae	<i>Anax</i>	<i>junius</i>	common green darner	
	<u>Libellulidae</u>			<u>Skimmers</u>	
12	Libellulidae	<i>Erythemis</i>	<i>simplicicollis</i>	eastern pondhawk	
12	Libellulidae	<i>Pachydiplax</i>	<i>longipennis</i>	blue dasher	
12	Libellulidae	<i>Plathemis</i>	<i>lydia</i>	common whitetail	
12	Libellulidae	<i>Sympetrum</i>	<i>vicinum</i>	autumn meadowhawk	
	<u>Coenagrionidae</u>			<u>Narrow-Winged Damselflies</u>	
12	Coenagrionidae	<i>Argia</i>	<i>apicalis</i>	blue-fronted dancer	
12	Coenagrionidae	<i>Chromagrion</i>	<i>conditum</i>	aurora damsel	
12	Coenagrionidae	<i>Enallagma</i>	<i>civile</i>	familiar bluet	
12	Coenagrionidae	<i>Ischnura</i>	<i>posita</i>	fragile forktail	
12	Coenagrionidae	<i>Ischnura</i>	<i>verticalis</i>	eastern forktail	
	<u>Acrididae</u>			<u>Short-Horned Grasshoppers</u>	
12	Acrididae	<i>Chortophaga</i>	<i>viridifasciata</i>	green-striped grasshopper	
12	Acrididae	<i>Dissosteira</i>	<i>carolina</i>	Carolina grasshopper	
12	Acrididae	<i>Melanoplus</i>	<i>bivittatus</i>	two-striped grasshopper	
12	Acrididae	<i>Melanoplus</i>	<i>punctulatus</i>	pine-tree spur-throat grasshopper	
	<u>Gryllidae</u>			<u>Crickets</u>	
12	Gryllidae	<i>Gryllus</i>	<i>pennsylvanicus</i>	fall field cricket	
	<u>Tettigoniidae</u>			<u>Katydid</u>	
12	Tettigoniidae	<i>Conocephalus</i>	<i>brevipennis</i>	short-winged meadow katydid	
12	Tettigoniidae	<i>Meconema</i>	<i>thalassinum</i>	drumming katydid	
12	Tettigoniidae	<i>Microcentrum</i>	<i>rhombofolium</i>	greater anglewing	
12	Tettigoniidae	<i>Orchelimum</i>	<i>nigripes</i>	black-legged meadow katydid	
12	Tettigoniidae	<i>Pterophylla</i>	<i>camellifolia</i>	common true katydid	
12	Tettigoniidae	<i>Scudderia</i>	<i>furcata</i>	fork-tailed bush katydid	
	<u>Chrysopidae</u>			<u>Green Lacewings</u>	
12	Chrysopidae	<i>Chrysopa</i>	<i>oculata</i>	a green lacewing	
	<u>Forficulidae</u>			<u>Earwigs</u>	
12	Forficulidae	<i>Forficula</i>	<i>auricularia</i>	European earwig	
	<u>Diapheromeridae</u>			<u>Walking Sticks</u>	
12	Diapheromeridae	<i>Diapheromera</i>	<i>femorata</i>	northern walking stick	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Mantidae</u>			<u>Mantids</u>	
12	Mantidae	<i>Mantis</i>	<i>religiosa</i>	praying mantis	
12	Mantidae	<i>Tenodera</i>	<i>sinensis</i>	Chinese mantis	
	<u>Blattidae</u>			<u>Cockroaches</u>	
12	Blattidae	<i>Parcoblatta</i>	<i>pennsylvanica</i>	Pennsylvania wood cockroach	
12	Blattidae	<i>Periplaneta</i>	<i>americana</i>	American cockroach	
	<u>Aphididae</u>			<u>Aphids</u>	
12	Aphididae	<i>Aphis</i>	<i>nerii</i>	oleander aphid	
12	Aphididae	<i>Melaphis</i>	<i>rhois</i>	sumac gall aphid	
12	Aphididae	<i>Pemphigus</i>	<i>populitransversus</i>	poplar petiole gall aphid	
12	Aphididae	<i>Prociphilus</i>	<i>tessellatus</i>	wooly alder aphid	
	<u>Aphrophoridae</u>			<u>True Spittlebugs</u>	
12	Aphrophoridae	<i>Philaenus</i>	<i>spumarius</i>	meadow spittlebug	
	<u>Cicadellidae</u>			<u>Typical Leafhoppers</u>	
12	Cicadellidae	<i>Erythroneura</i>	<i>tricincta</i>	three-banded leafhopper	
12	Cicadellidae	<i>Fieberiella</i>	<i>florii</i>	privet leafhopper	
12	Cicadellidae	<i>Graphocephala</i>	<i>coccinea</i>	red-banded leafhopper	
12	Cicadellidae	<i>Orientus</i>	<i>ishidae</i>	Japanese leafhopper	
	<u>Cicadidae</u>			<u>Typical Cicadas</u>	
12	Cicadidae	<i>Neotibicen</i>	<i>canicularis</i>	northern dog-day cicada	
12	Cicadidae	<i>Neotibicen</i>	<i>linnei</i>	Linne's cicada	
12	Cicadidae	<i>Neotibicen</i>	<i>lyricen</i>	lyric cicada	
	<u>Clastopteridae</u>			<u>Clastopterid Spittlebugs</u>	
12	Clastopteridae	<i>Clastoptera</i>	<i>proteus</i>	dogwood spittlebug	
	<u>Coreidae</u>			<u>Leaf-Footed Bugs</u>	
12	Coreidae	<i>Acanthocephala</i>	<i>terminalis</i>	a leaf-footed bug	
12	Coreidae	<i>Leptoglossus</i>	<i>occidentalis</i>	western conifer seed bug	
	<u>Lygaeidae</u>			<u>Seed Bugs</u>	
12	Lygaeidae	<i>Lygaeus</i>	<i>kalmii</i>	small milkweed bug	
12	Lygaeidae	<i>Oncopeltus</i>	<i>fasciatus</i>	large milkweed bug	
	<u>Miridae</u>			<u>Plant Bugs</u>	
12	Miridae	<i>Lygus</i>	<i>lineolaris</i>	tarnished plant bug	
12	Miridae	<i>Poecilocapsus</i>	<i>lineatus</i>	four-lined plant bug	
12	Miridae	<i>Prepops</i>	<i>insitivus</i>	a plant bug	
	<u>Pentatomidae</u>			<u>Stink Bugs</u>	
12	Pentatomidae	<i>Chinavia</i>	<i>hilaris</i>	green stinkbug	
12	Pentatomidae	<i>Halyomorpha</i>	<i>halys</i>	brown marmorated stink bug	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
	<u>Reduviidae</u>			<u>Assassin Bugs</u>	
12	Reduviidae	<i>Phymata</i>	<i>americana</i>	jagged ambush bug	
12	Reduviidae	<i>Reduvius</i>	<i>personatus</i>	masked hunter	
12	Reduviidae	<i>Zelus</i>	<i>luridus</i>	pale green assassin bug	
	<u>Rhopalidae</u>			<u>Scentless Plant Bugs</u>	
12	Rhopalidae	<i>Boisea</i>	<i>trivittata</i>	eastern box elder bug	
	<u>Chrysomelidae</u>			<u>Leaf Beetles</u>	
12	Chrysomelidae	<i>Labidomera</i>	<i>clivicollis</i>	swamp milkweed leaf beetle	
12	Chrysomelidae	<i>Leptinotarsa</i>	<i>decemlineata</i>	Colorado potato beetle	
12	Chrysomelidae	<i>Pyrrhalta</i>	<i>viburni</i>	viburnum leaf beetle	
	<u>Cerambycidae</u>			<u>Longhorn Beetles</u>	
12	Cerambycidae	<i>Monochamus</i>	<i>scutellatus</i>	white-spotted pine sawyer	
12	Cerambycidae	<i>Stictoleptura</i>	<i>canadensis</i>	red-shouldered pine borer	
12	Cerambycidae	<i>Tetraopes</i>	<i>tetraphthalmus</i>	red milkweed beetle	
	<u>Coccinellidae</u>			<u>Lady Beetles</u>	
12	Coccinellidae	<i>Coccinella</i>	<i>septempunctata</i>	seven-spotted lady beetle	
12	Coccinellidae	<i>Propylea</i>	<i>quatuordecimpunctata</i>	fourteen-spotted lady beetle	
	<u>Elateriae</u>			<u>Click Beetles</u>	
12	Elateriae	<i>Alaus</i>	<i>oculatus</i>	eastern eyed click beetle	
12	Elateriae	<i>Ampedus</i>	<i>nigricollis</i>	a click beetle	
12	Elateriae	<i>Conoderus</i>	<i>lividus</i>	a click beetle	
12	Elateriae	<i>Sylvanelater</i>	<i>cylindriformis</i>	a click beetle	
	<u>Lampyridae</u>			<u>Firefly Beetles</u>	
12	Lampyridae	<i>Ellychnia</i>	<i>corrusca</i>	winter firefly	
12	Lampyridae	<i>Lucidota</i>	<i>atra</i>	black firefly	
	<u>Curculionidae</u>			<u>Weevils</u>	
12	Curculionidae	<i>Larinus</i>	<i>carlinae</i>	Canada thistle weevil	
12	Curculionidae	<i>Otiorhynchus</i>	<i>sulcatus</i>	black vine weevil	
12	Curculionidae	<i>Polydrusus</i>	<i>formosus</i>	green immigrant leaf weevil	
	<u>Scarabaeidae</u>			<u>Scarabs</u>	
12	Scarabaeidae	<i>Macroductylus</i>	<i>subspinosus</i>	American rose chafer	
12	Scarabaeidae	<i>Osmoderma</i>	<i>scabra</i>	rough hermit beetle	
12	Scarabaeidae	<i>Pelidnota</i>	<i>punctata</i>	grapevine beetle	
12	Scarabaeidae	<i>Popillia</i>	<i>japonica</i>	Japanese beetle	
	<u>Silphidae</u>			<u>Carrion Beetles</u>	
12	Silphidae	<i>Necrophila</i>	<i>americana</i>	American carrion beetle	
12	Silphidae	<i>Nicrophorus</i>	<i>pustulatus</i>	pustulated carrion beetle	
12	Silphidae	<i>Nicrophorus</i>	<i>tomentosus</i>	tomentose burying beetle	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
12	Silphidae	<i>Oiceoptoma</i>	<i>noveboracense</i>	margined carrion beetle	
	<u>Staphylinidae</u>			<u>Rove Beetles</u>	
12	Staphylinidae	<i>Ontholestes</i>	<i>cingulatus</i>	gold-and-brown rove beetle	
	<u>Apidae</u>			<u>Honeybees, Bumblebees</u>	
12	Apidae	<i>Apis</i>	<i>mellifera</i>	honey bee	
12	Apidae	<i>Bombus</i>	<i>griseocollis</i>	brown-belted bumble bee	
12	Apidae	<i>Bombus</i>	<i>impatiens</i>	common eastern bumble bee	
12	Apidae	<i>Xylocopa</i>	<i>virginica</i>	eastern carpenter bee	
	<u>Cynipidae</u>			<u>Gall Wasps</u>	
12	Cynipidae	<i>Acraspis</i>	<i>erinacei</i>	hedgehog gall wasp	
12	Cynipidae	<i>Amphibolips</i>	<i>confluenta</i>	spongy oak apple gall wasp	
12	Cynipidae	<i>Amphibolips</i>	<i>cookii</i>	oak apple gall wasp	
12	Cynipidae	<i>Amphibolips</i>	<i>quercusinanis</i>	larger empty oak apple wasp	
12	Cynipidae	<i>Amphibolips</i>	<i>quercusjuglans</i>	acorn plum gall wasp	
12	Cynipidae	<i>Disholcaspis</i>	<i>quercusmamma</i>	oak rough bulletgall wasp	
12	Cynipidae	<i>Diplolepis</i>	<i>rosae</i>	mossy rose gall wasp	
	<u>Formicidae</u>			<u>Ants</u>	
12	Formicidae	<i>Camponotus</i>	<i>novaeboracensis</i>	New York carpenter ant	
12	Formicidae	<i>Camponotus</i>	<i>pennsylvanicus</i>	eastern black carpenter ant	
12	Formicidae	<i>Lasius</i>	<i>interjectus</i>	larger yellow ant	
12	Formicidae	<i>Prenolepis</i>	<i>imparis</i>	small honey ant	
12	Formicidae	<i>Tapinoma</i>	<i>sessile</i>	odorous house ant	
12	Formicidae	<i>Tetramorium</i>	<i>immigrans</i>	immigrant pavement ant	
	<u>Ichneumonidae</u>			<u>Ichneumonid Wasps</u>	
12	Ichneumonidae	<i>Megarhyssa</i>	<i>atrata</i>	black giant ichneumonid wasp	
12	Ichneumonidae	<i>Megarhyssa</i>	<i>macrurus</i>	long-tailed giant incneumonid wasp	
	<u>Vespidae</u>			<u>Hornets, Paper Wasps</u>	
12	Vespidae	<i>Dolichovespula</i>	<i>arenaria</i>	common aerial yellow jacket	
12	Vespidae	<i>Dolichovespula</i>	<i>maculata</i>	bald-faced hornet	
12	Vespidae	<i>Polistes</i>	<i>dominula</i>	European paper wasp	
12	Vespidae	<i>Polistes</i>	<i>fuscatus</i>	dark paper wasp	
	<u>Erebidae</u>			<u>Tussock Moths</u>	
12	Erebidae	<i>Euchaetes</i>	<i>egle</i>	milkweed tussock moth	
12	Erebidae	<i>Haploa</i>	<i>clymene</i>	clymene moth	
12	Erebidae	<i>Haploa</i>	<i>confusa</i>	confused haploa moth	
12	Erebidae	<i>Hypercompe</i>	<i>scribonia</i>	giant leopard moth	
12	Erebidae	<i>Lophocampa</i>	<i>caryae</i>	hickory tussock moth	
12	Erebidae	<i>Lymantria</i>	<i>dispar</i>	gypsy moth	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
12	Erebidae	<i>Pyrrharctia</i>	<i>isabella</i>	wooly bear	
	<u>Geometridae</u>			<u>Geometer Moths</u>	
12	Geometridae	<i>Campaea</i>	<i>perlata</i>	pale beauty	
12	Geometridae	<i>Chlorochlamys</i>	<i>chloroleucaria</i>	blackberry looper moth	
12	Geometridae	<i>Costaconvexa</i>	<i>centrostrigaria</i>	bent-lined carpet	
12	Geometridae	<i>Haematopsis</i>	<i>grataria</i>	chickweed geometer moth	
12	Geometridae	<i>Macaria</i>	<i>pustularia</i>	lesser maple spanworm moth	
12	Geometridae	<i>Nematocampa</i>	<i>resistaria</i>	horned spanworm moth	
12	Geometridae	<i>Trichodezia</i>	<i>albovittata</i>	white-striped black	
	<u>Hesperiidae</u>			<u>Skippers</u>	
12	Hesperiidae	<i>Ancyloxypha</i>	<i>numitor</i>	least skipper	
12	Hesperiidae	<i>Epargyreus</i>	<i>clarus</i>	silver-spotted skipper	
12	Hesperiidae	<i>Euphyes</i>	<i>vestris</i>	dun skipper	
12	Hesperiidae	<i>Polites</i>	<i>peckius</i>	Peck's skipper	
	<u>Lasiocampidae</u>			<u>Lappet Moths</u>	
12	Lasiocampidae	<i>Malacosoma</i>	<i>americana</i>	eastern tent caterpillar	
12	Lasiocampidae	<i>Malacosoma</i>	<i>disstria</i>	forest tent caterpillar	
	<u>Lycaenidae</u>			<u>Gossamer-Winged Butterflies</u>	
12	Lycaenidae	<i>Celastrina</i>	<i>neglecta</i>	summer azure	
12	Lycaenidae	<i>Cupido</i>	<i>comyntas</i>	eastern tailed blue	
12	Lycaenidae	<i>Lycaena</i>	<i>phlaeas</i>	small copper	
12	Lycaenidae	<i>Satyrium</i>	<i>calanus</i>	banded hairstreak	
	<u>Noctuidae</u>			<u>Cutworm Moths and Allies</u>	
12	Noctuidae	<i>Autographa</i>	<i>precautionis</i>	common looper moth	
12	Noctuidae	<i>Noctua</i>	<i>pronuba</i>	large yellow underwing	
	<u>Nymphalidae</u>			<u>Brush-footed Butterflies</u>	
12	Nymphalidae	<i>Cercyonis</i>	<i>pegala</i>	common wood-nymph	
12	Nymphalidae	<i>Coenonympha</i>	<i>california</i>	common ringlet	
12	Nymphalidae	<i>Danaus</i>	<i>plexippus</i>	monarch	
12	Nymphalidae	<i>Euphydryas</i>	<i>phaeton</i>	Baltimore checkerspot	
12	Nymphalidae	<i>Lethe</i>	<i>appalachia</i>	Appalachian brown	
12	Nymphalidae	<i>Limenitis</i>	<i>archippus</i>	viceroys	
12	Nymphalidae	<i>Limenitis</i>	<i>arthemis</i>	American white admiral	
12	Nymphalidae	<i>Megisto</i>	<i>cymela</i>	little wood satyr	
12	Nymphalidae	<i>Nymphalis</i>	<i>antiopa</i>	mourning cloak	
12	Nymphalidae	<i>Nymphalis</i>	<i>l-album</i>	Compton tortoiseshell	
12	Nymphalidae	<i>Phyciodes</i>	<i>cocyta</i>	northern crescent	
12	Nymphalidae	<i>Phyciodes</i>	<i>tharos</i>	pearl crescent	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
12	Nymphalidae	<i>Polygonia</i>	<i>comma</i>	eastern comma	
12	Nymphalidae	<i>Polygonia</i>	<i>interrogationis</i>	question mark	
12	Nymphalidae	<i>Speyeria</i>	<i>cybele</i>	great spangled fritillary	
12	Nymphalidae	<i>Vanessa</i>	<i>atalanta</i>	red admiral	
12	Nymphalidae	<i>Vanessa</i>	<i>cardui</i>	painter lady	
	<u>Papilionidae</u>			<u>Swallowtails</u>	
12	Papilionidae	<i>Papilio</i>	<i>glaucus</i>	eastern tiger swallowtail	
12	Papilionidae	<i>Papilio</i>	<i>polyxenes</i>	black swallowtail	
12	Papilionidae	<i>Papilio</i>	<i>troilus</i>	spicebush swallowtail	
	<u>Pieridae</u>			<u>White, Yellows, Sulfurs</u>	
12	Pieridae	<i>Colias</i>	<i>philodice</i>	clouded sulphur	
12	Pieridae	<i>Pieris</i>	<i>rapae</i>	cabbage white	
	<u>Saturniidae</u>			<u>Giant Silk Moths</u>	
12	Saturniidae	<i>Actias</i>	<i>luna</i>	luna moth	
12	Saturniidae	<i>Antheraea</i>	<i>polyphemus</i>	polyphemus moth	
12	Saturniidae	<i>Hyalophora</i>	<i>cecropia</i>	cecropia moth	
	<u>Sphingidae</u>			<u>Sphinx Moths</u>	
12	Sphingidae	<i>Hemaris</i>	<i>diffinis</i>	snowberry clearwing	
12	Sphingidae	<i>Hemaris</i>	<i>thysbe</i>	hummingbird clearwing	
12	Sphingidae	<i>Sphinx</i>	<i>gordius</i>	apple sphinx	
	<u>Tineidae</u>			<u>Fungus Moths</u>	
12	Tineidae	<i>Acrolophus</i>	<i>mora</i>	dark acrolophus	
	<u>Asilidae</u>			<u>Robber Flies</u>	
12	Asilidae	<i>Dioctria</i>	<i>hyalipennis</i>	a robber fly	
12	Asilidae	<i>Efferia</i>	<i>aestuans</i>	a robber fly	
12	Asilidae	<i>Laphria</i>	<i>thoracica</i>	bumble bee mimic robber fly	
	<u>Bombyliidae</u>			<u>Bee Flies</u>	
12	Bombyliidae	<i>Bombylius</i>	<i>major</i>	greater bee fly	
12	Bombyliidae	<i>Xenox</i>	<i>tigrinus</i>	tiger bee fly	
	<u>Cecidomyiidae</u>			<u>Gall and Forest Midges</u>	
12	Cecidomyiidae	<i>Dasineura</i>	<i>pellex</i>	ash bullet gall midge	
12	Cecidomyiidae	<i>Rabdophaga</i>	<i>strobiloides</i>	willow pinecone gall midge	
12	Cecidomyiidae	<i>Rhopalomyia</i>	<i>solidaginis</i>	goldenrod bunch gall midge	
	<u>Conopidae</u>			<u>Thick-Headed Flies</u>	
12	Conopidae	<i>Physocephala</i>	<i>tibialis</i>	eastern physocephala	
12	Conopidae	<i>Physoconops</i>	<i>obscuripennis</i>	a thick-headed fly	
	<u>Culicidae</u>			<u>Mosquitoes</u>	
12	Culicidae	<i>Aedes</i>	<i>japonicus</i>	Asian bush mosquito	

WILDLIFE SPECIES LIST

Based on existing data, on-site surveys, and/or the availability of suitable habitat, the following species could occur in the project area at some time during the year:

Notes	Family	Genus	species	Common Name	Conservation Status
12	Culicidae	<i>Aedes</i>	<i>vexans</i>	inland floodwater mosquito	
12	Culicidae	<i>Culex</i>	<i>pipiens</i>	northern house mosquito	
12	Culicidae	<i>Psorophora</i>	<i>ciliata</i>	gallinipper	
	<u>Muscidae</u>			<u>House Flies</u>	
12	Muscidae	<i>Musca</i>	<i>domestica</i>	house fly	
	<u>Rhagionidae</u>			<u>Snipe Flies</u>	
12	Rhagionidae	<i>Chrysopilus</i>	<i>thoracicus</i>	golden-backed snipe fly	
12	Rhagionidae	<i>Rhagio</i>	<i>tringarius</i>	marsh snipe fly	
	<u>Syrphidae</u>			<u>Hover Flies</u>	
12	Syrphidae	<i>Eristalis</i>	<i>dimidiata</i>	black-shouldered drone fly	
12	Syrphidae	<i>Eristalis</i>	<i>tenax</i>	common drone fly	
12	Syrphidae	<i>Eurimyia</i>	<i>stipata</i>	long-nosed swamp fly	
12	Syrphidae	<i>Helophilus</i>	<i>fasciatus</i>	narrow-headed marsh fly	
12	Syrphidae	<i>Merodon</i>	<i>equestris</i>	Narcissus bulb fly	
12	Syrphidae	<i>Toxomerus</i>	<i>geminatus</i>	eastern calligrapher	
12	Syrphidae	<i>Toxomerus</i>	<i>marginatus</i>	marginated calligrapher	
12	Syrphidae	<i>Toxomerus</i>	<i>politus</i>	maize calligrapher	
	<u>Tabanidae</u>			<u>Deer Flies, Horse Flies</u>	
12	Tabanidae	<i>Chrysops</i>	<i>vittatus</i>	striped deer fly	
12	Tabanidae	<i>Tabanus</i>	<i>atratus</i>	black horse fly	
	<u>Tephritidae</u>			<u>Fruit Flies</u>	
12	Tephritidae	<i>Eurosta</i>	<i>solidaginis</i>	goldenrod gall fly	
12	Tephritidae	<i>Procecidochares</i>	<i>atra</i>	a tephritid fly	
12	Tephritidae	<i>Rhagoletis</i>	<i>suavis</i>	walnut husk maggot fly	
	<u>Tipulidae</u>			<u>Large Crane Flies</u>	
12	Tipulidae	<i>Nephrotoma</i>	<i>ferruginea</i>	ferruginous tiger crane fly	
12	Tipulidae	<i>Tipula</i>	<i>abdominalis</i>	giant crane fly	
12	Tipulidae	<i>Tipula</i>	<i>paludosa</i>	European crane fly	

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Notes

1. Species identified during on-site ecological surveys conducted by EDR within 2019-2020.
2. Species identified in the USGS Breeding Bird Survey (Cherry Hill Route).
3. Species identified in the NYS Breeding Bird Atlas (Survey Blocks 1068C, 1068D, 1168C, 1067B).
4. Species identified in the Audubon Christmas Bird Count (Jamestown and Dunkirk-Fredonia Counts).
5. Reported by eBird users in the vicinity of the Facility Area.
6. Identified by the NYNHP as occurring within 0.75 mile of the Facility Area in correspondence dated May 21, 2020.
7. Identified in the USFWS's IPaC Official Species List as potentially occurring at or near the Facility Area.
8. Likely to occur in the vicinity of the Facility Area based on information from NYSDEC, NatureServe Explorer, and the American Society of Mammalogists.
9. Species identified in the NYS Amphibian & Reptile Atlas Project (South Ripley and North East Quads).
10. Species identified by the Atlas of Inland Fishes of New York as occurring within the Erie-Niagara watershed (HUC-10 4120101).
11. Species identified at the Ripley Hawk Watch.
12. Likely to occur in the vicinity of the Facility Site based on information from NYSDEC, NatureServe Explorer, and iNaturalist.

Conservation Status Codes

FE	Federally Endangered Species
FT	Federally Threatened Species
SE	NYS Endangered Species
ST	NYS Threatened Species
SSC	NYS Species of Special Concern
SGCN	NYS Species of Greatest Conservation Need
SGCN-HP	NYS Species of Greatest Conservation Need – High Priority

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