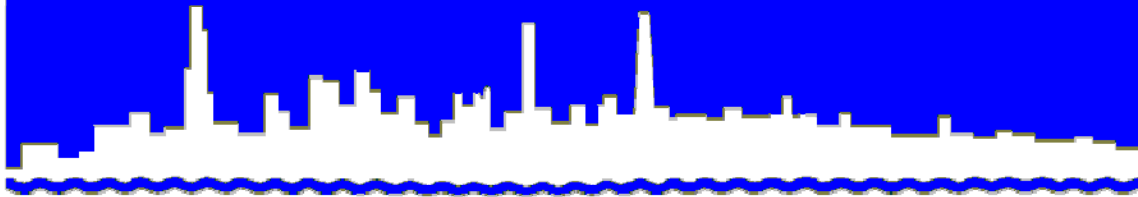


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 12-34

**BIOLOGICAL SURVEY OF THE METROPOLITAN WATER
RECLAMATION DISTRICT OF GREATER CHICAGO
PROPERTIES**

August 2012

Biological Survey

of the Metropolitan Water Reclamation District
of Greater Chicago Properties



Scientific Report

MAY 2012



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Executive Summary

Biological diversity or biodiversity refers to the varieties of life forms in a particular habitat and the ecological processes that support all of the species. The Metropolitan Water Reclamation District of Greater Chicago (District) is one of the largest landowners in Cook County, Illinois. One of the principle goals of the District is to be a responsible steward of its land holdings by promoting biodiversity and land management conservation of its properties. The overall goal of this study was to conduct a field survey of plants, dragonflies, damselflies, butterflies, amphibians, reptiles, birds, and mammals on selected District properties.

During April and June of 2010, a preliminary field reconnaissance of 59 District properties was conducted to identify 25 sites that represent the diversity of biological communities on District properties. The 25 sites selected include eight riparian areas along the CAWS (North Shore Channel, North

Branch of the Chicago River, Chicago Sanitary and Ship Canal, and the Calumet-Sag Channel), seven water reclamation plants (WRP) (Calumet, Hanover Park, James Kirie, John Egan, Lemont, North Side, and Stickney), two solids processing areas (Calumet West and Stony Island), five flood control reservoirs (Edward Howell, O'Hare CUP, St. Michael, Tinley Park, and Dr. Mary Woodland), two supplemental aeration stations (SEPA 1 and SEPA 5), and one pumping station (TARP Mainstream).

The dominant terrestrial habitats observed at the 25 sites included disturbed woodlands/forests, scrub/shrub plants, and fallow fields. Limited degraded sedge meadows occurred at Sites 2 (North Shore Channel), 5 (Hanover Park WRP), 8 (North Side WRP), 40 (O'Hare CUP Reservoir), and 45 (St. Michael Reservoir). Small areas of degraded native prairie remnants were located on Sites 4A (Calumet-Sag Channel), 4C (Calumet-Sag Channel), 5 (Hanover Park WRP), and 32 (Edward Howell Reservoir). Numerous non-native invasive plant species (common buckthorn, common reed, common teasel, garlic mustard, multiflora rose, and purple loosestrife) observed throughout the study area have degraded much of the native vegetative quality on many of the property sites.

Nine hundred and eleven plant and animal species were identified during the 2010 and 2011 field surveys conducted at the 25 sites. The total number of plants and animals observed at the 25 sites ranged from a low of 97 species at Site 54 (SEPA 1) to a high of 315 species at Site 32 (Edward Howell Reservoir). The mean number of species observed for the 25 sites was 197. Plants and birds were the dominant taxon at all 25 sites. Five hundred and eighty-eight vascular plants, 29 dragonflies, 26 damselflies, 29 butterflies, six amphibians, 12 reptiles, 198 birds, and 23 mammals were identified during the study. The highest number of plant and animal species were observed at the seven WRPs (569 species), followed by the five flood control reservoirs (527 species), eight riparian areas along the CAWS (518 species), two solids processing areas (251 species), two supplemental aeration stations (184 species), and one TARP pumping station (163 species).

One federal endangered dragonfly species (Hine's emerald dragonfly), eight Illinois endangered bird species (American bittern, black-crowned night-heron, common moorhen, Forster's tern, little blue heron, osprey, Wilson's phalarope, and yellow-crowned night-heron), and three Illinois threatened bird species (black-billed cuckoo, least bittern, and peregrine falcon) were observed on District properties during the 2010-11 field surveys.

There are some examples of specific biota (shorebirds) and animal feeding relationships (common map turtle and northern water snake) that may suggest a relationship between generally improved water quality in the CAWS in recent years and the terrestrial biota on District properties.

Much of the terrestrial landscape on District properties has been severely altered over the past nine decades resulting in a substantial loss of species diversity of native plants and animals. The biotic integrity observed at most of the District sites was moderate to poor. Even though the biological diversity on District properties was less than has been observed during field surveys in other areas in northeastern Illinois, the diversity of plants and animals at the 25 sites is encouraging. It is a hope that the results from the biological field assessment will contribute to a formidable effort to preserve the remaining undisturbed landscapes, and to restore and enhance biodiversity on District properties through ecological restoration.

Section 1

Introduction

Since the passage of the Clean Water Act in 1972, extensive federal, state, and local funds and efforts by the Metropolitan Water Reclamation District of Greater Chicago (District) have contributed to substantial improvements and enhancements of water quality in the Chicago Area Waterway System (CAWS). Ambient water quality monitoring conducted by District staff has demonstrated that the benthic invertebrate and fish communities have increased in both abundance and diversity throughout the waterways (Polls and others, 1998; Dennison and others, 1998). However, it has not been documented whether the urban avian and terrestrial biota on District properties have also benefited from the improved aquatic environment.



Native Prairie restoration at the TARP Mainstream Pump Station.

The District is one of the largest landowners in Cook County, Illinois. Approximately 9,500 acres of property are owned by the District for its operations. The physiographic diversity of the properties includes upland forests, fallow fields, wetlands, and still and moving waters. One of the principle goals of the District is to be a responsible steward of its land holdings by promoting biodiversity and land management conservation of its properties. District facilities include water reclamation plants (WRPs), solid processing areas, flood control reservoirs, supplemental aeration stations, and pumping stations. Many of these facilities are in close proximity to the CAWS. District facilities provide unique physical habitat, including terrestrial habitat as well as open water (settling tanks, reservoirs, and ponds).

Globally, we continue to lose biodiversity at a rate never witnessed before. Urban areas are expanding worldwide both in size and abundance. A conspicuous consequence of urbanization is that the process fragments the natural/native environment reducing the ecological structure and function of the remaining ecosystems (Saunders and others, 1991). Damage to these ecosystems is primarily through physical habitat conversion (buildings and highways), but also through increased stormwater runoff and other physical changes that alter natural hydrologic processes. Previously continuous biotic communities across the landscape are now patchily distributed within a mosaic of managed openlands and forests and urban cities and towns (Saunders and others, 1991). Consequently, urbanization results in simplified physical habitats and a biological community with fewer species dominated by abundant non-native species.

If scientists, planners, and decision makers are to fully comprehend how the social, economic, and environmental qualities of urban cities interact, the dynamics of ecological processes must be completely understood.

The overall goal of this project was to conduct a field survey of terrestrial flora and fauna on selected District properties including riparian areas along the CAWS. Assessment information will enable the District to become a better steward of its properties by providing important baseline data that will promote biodiversity and assist future water resource planning activities regarding District facilities. The results from the field surveys are documented in this scientific report.

Section 2

Study Area

The District is located primarily within the boundaries of Cook County, Illinois and serves an area of 883 square miles. The District owns and operates seven WRPs, 23 pumping stations, 32 flood control reservoirs, 10 solids processing areas, and seven supplemental aeration stations. In addition, the District manages 78 miles of navigable waterways (Chicago Area Waterway System or CAWS), which are part of the inland waterway system connecting the Great Lakes with the Gulf of Mexico. The CAWS is made up of seven modified natural waterways, one altered lake, three artificial/man-made channels, and a canal.



Chicago Sanitary and Ship Canal

The study area encompasses the riparian corridor along the North Shore Channel, the North Branch of the Chicago River, the Chicago Sanitary and Ship Canal, and the Calumet-Sag Channel, as shown in **Figure 1**. District properties included in the study are also shown in **Figure 1** and include seven WRPs (Calumet, John Egan, Hanover Park, James Kirie, Lemont, North Side, and Stickney), two solids processing areas (Calumet West and Stony Island), five flood control reservoirs (Edward Howell, Mary Woodland, O'Hare CUP, St. Michael, and Tinley Park), two supplemental aeration stations (Station 1 and Station 5), and one pumping station (TARP Mainstream).



N
 ↑ 32 - Location

FIGURE 1. Map of Study Area Showing 25 Survey Sites on District Properties

25 DISTRICT PROPERTIES SELECTED FOR BIOLOGICAL SURVEY

- 1A** North Shore Channel: Green Bay Road to Bridge Street (west bank)
- 1B** North Shore Channel: Touhy Avenue to Devon Avenue (east bank)
- 2** North Branch of the Chicago River: Addison Street to Belmont Avenue (east bank)
- 3A** Chicago Sanitary and Ship Canal: 1.6 mile parcel of land extending from Shell Oil discharge (RM 310.8) to La Grange Road (309.2) (south bank)
- 3B** Chicago Sanitary and Ship Canal: 1.9 mile parcel of land extending from Gilbert Avenue (RM 307.9) to RM 306.0 (north bank)
- 4A** Calumet-Sag Channel: 0.2 mile parcel of land at junction of Calumet-Sag Channel and Chicago Sanitary & Ship Canal (RM 303.4) (south bank)
- 4B** Calumet-Sag Channel: 1.0 mile parcel of land extending from RM 307.0 to RM 306.0, across from Saganashkee Slough (south bank)
- 4C** Calumet-Sag Channel: 0.6 mile parcel of land extending from RM 314.2 to RM 314.8 (north bank)
- 5** Hanover Park WRP: south end of property along West Branch of DuPage River
- 6** John E. Egan WRP: south end of property along West Branch of Salt Creek
- 7** James Kirie WRP: west end of property along Higgins Creek including native prairie landscape
- 8** North Side WRP: west end of property including native prairie landscape
- 9** Stickney WRP: west end of property
- 10** Calumet WRP: ponds and west end of property
- 11** Lemont WRP: east, north, and south end of property including native prairie landscape
- 14** Calumet West Solids Drying Area: north end of property
- 20** Stony Island Solids Drying Area: west end of property including Dead Stick Pond
- 32** Edward C. Howell Reservoir: northwest, south and east end of property
- 40** Gloria Alitto Majewski Reservoir: west end of property
- 45** St. Michael Reservoir: throughout property
- 49** Tinley Park Reservoir: throughout property
- 53** Dr. Mary Woodland Reservoir: south end of property along Lansing Ditch
- 54** Sidestream Elevated Pool Aeration Station #1: north end of property
- 57** Sidestream Elevated Pool Aeration Station #5: south end of property along I&M Canal
- 59** Mainstream Tunnel and Reservoir Pumping Station: south end of property along Des Plaines River including native prairie landscape

Section 3 Methodology

3.1 Selection of Monitoring Locations

Initially, the District identified 59 properties, including riparian areas along the CAWS, for preliminary reconnaissance (**Table 1**). The goal of the preliminary reconnaissance was to select 25 locations that represent the diversity of terrestrial biological communities on District properties. A multiple-approach strategy was used for selecting the 25 sites. 1) the legal boundary lines were identified for the 59 properties; 2) a map of each property was prepared utilizing Google Earth (Figures 2-25); 3) the properties were carefully reviewed online utilizing Google Earth; 4) meetings were conducted with District staff to discuss properties included in the seven WRP watersheds; 5) a preliminary field reconnaissance was conducted of the 59 properties; and, 6) following the preliminary reconnaissance, major habitat types for the 25 properties were identified.



Calumet WRP and Solids Drying Area

During April and June of 2010, a preliminary field reconnaissance of the 59 District properties was conducted by the CDM Team to identify which locations would best represent the diversity of biological communities that currently exist on District properties. Ecological criteria used for assessing which locations would be selected for a comprehensive field survey included the absence or presence of vegetative cover, category of vegetation, property size, adjacent land use, habitat types, and historical information on biological communities observed by District staff.

Table 1 summarizes the results from the preliminary reconnaissance.

The 25 sites selected for conducting a biological field survey on District properties (**Figure 1** and **Table 1**) included seven WRPs (Calumet, John Egan, Hanover Park, James Kirie, Lemont, North Side, and Stickney), eight riparian locations along the CAWS (North Shore Channel, North Branch of the Chicago River, Chicago Sanitary and Ship Canal, and Calumet-Sag Channel), two solids processing areas (Calumet West and Stony Island), five flood control reservoirs (Edward Howell, Mary Woodland, O'Hare CUP, St. Michael, and Tinley Park), two supplemental aeration stations (Stations 1 and 5), and one pumping station (TARP Mainstream).

TABLE 1. Results of Preliminary Reconnaissance of 59 District Properties

District Property Name ¹	Selection Criteria
North Shore Channel²	Variety of habitats; less disturbed habitats
North Branch Chicago River	Variety of habitats; less disturbed habitats
Chicago Sanitary & Ship Canal²	Variety of habitats; less disturbed habitats
Calumet-Sag Channel³	Variety of habitats; less disturbed habitats
Hanover Park WRP⁴	Variety of habitats; less disturbed habitats
John Egan WRP⁴	Variety of habitats; less disturbed habitats
James Kirie WRP⁴	Variety of habitats; less disturbed habitats
North Side WRP⁴	Variety of habitats; less disturbed habitats
Stickney WRP⁴	Variety of habitats; less disturbed habitats
Calumet WRP⁴	Variety of habitats; less disturbed habitats
Lemont WRP⁴	Variety of habitats; less disturbed habitats
Calumet Lagoons	Limited habitat; disturbed habitats
Calumet East Solids Drying Area	Limited habitat; disturbed habitats
Calumet West Solids Drying Area	Variety of habitats; less disturbed habitats
Egan Solids Drying Area	Limited habitat; disturbed habitats
Harlem Solids Drying Area	Limited habitat; disturbed habitats
Lawndale Solids Drying Area	Limited habitat; disturbed habitats
Marathon Solids Drying Area	Limited habitat; disturbed habitats
Ridgeland Solids Drying Area	Limited habitat; disturbed habitats
Stony Island Drying Area	Variety of habitats; less disturbed habitats
Vulcan Solids Drying Area	Limited habitat; disturbed habitats
Bedford Park Reservoir	Limited habitat; disturbed habitats
Buffalo Grove Reservoir	Limited habitat; disturbed habitats
Calumet Union Reservoir	Limited habitat; disturbed habitats
Deerfield Reservoir	Limited habitat; disturbed habitats
Dolphin Park Reservoir	Limited habitat; disturbed habitats
Tom T. Hamilton Reservoir	Limited habitat; disturbed habitats
Heritage Park West Reservoir	Limited habitat; disturbed habitats
Hickory Hills Reservoir	Limited habitat; disturbed habitats
Hillside Reservoir	Limited habitat; disturbed habitats
Hillside Park Reservoir	Limited habitat; disturbed habitats
Edward C. Howell Reservoir	Variety of habitats; less disturbed habitats
Mayfair Reservoir	Limited habitat; disturbed habitats
Melvina Ditch Reservoir	Limited habitat; disturbed habitats
Middle Fork Reservoir	Limited habitat; disturbed habitats
Mount Prospect Reservoir	Limited habitat; disturbed habitats
Northlake Reservoir	Limited habitat; disturbed habitats
Oak Hill Park Reservoir	Limited habitat; disturbed habitats
Oak Lawn Reservoir	Limited habitat; disturbed habitats
O'Hare CUP Reservoir	Variety of habitats; less disturbed habitats
O'Hare Treatment Plant Reservoir	Limited habitat; disturbed habitats

District Property Name ¹	Selection Criteria
Plum Grove Reservoir	Limited habitat; disturbed habitats
Margret Reimer Reservoir	Limited habitat; disturbed habitats
Silver Creek Reservoir	Limited habitat; disturbed habitats
St. Michael Reservoir	Variety of habitats; less disturbed habitats
Techny A Reservoir	Limited habitat; disturbed habitats
Techny B Reservoir	Limited habitat; disturbed habitats
Techny C Reservoir	Limited habitat; disturbed habitats
Tinley Park Reservoir	Variety of habitats; less disturbed habitats
Twin Lakes Reservoir	Limited habitat; disturbed habitats
White Pine Ditch Reservoir	Limited habitat; disturbed habitats
Wilke Kirchoff Reservoir	Limited habitat; disturbed habitats
Dr. Mary Woodland Reservoir	Variety of habitats; less disturbed habitats
SEPA Station 1	Variety of habitats; less disturbed habitats
SEPA Station 2	Limited habitat types; disturbed habitats
SEPA Station 3	Limited habitat; disturbed habitats
SEPA Station 4	Limited habitat; disturbed habitats
SEPA Station 5	Variety of habitats; less disturbed habitats
Devon Avenue Aeration Station	Limited habitat; disturbed habitats
TARP Mainstream Pumping Station	Variety of habitats; less disturbed habitats

¹District property shown in bold selected for study

²Two sites selected for study

³Three sites selected for study

⁴Restored Native Prairie Landscape

3.2 Field Monitoring Methods to Assess Terrestrial Biological Communities

3.2.1 Plants

As a rule, a vascular plant survey includes a qualitative and quantitative field assessment of the vegetation. The qualitative portion of the survey describes the plant communities using Swink and Wilhelm (1994). The quantitative element lists plants according to the Wilhelm and Masters (2001) Floristic Quality Assessment Program. The Assessment Program quantitatively determines how much of the vegetation in the survey area is natural/undisturbed.

A vegetative inventory consisted of a meander search throughout each District property. Field surveys were conducted during the period May through September in 2010 and in July, August, and September of 2011. Sites considered to have low plant biodiversity (high habitat disturbance) were monitored once. Properties with less urban disturbance and higher biodiversity were monitored a second time. Site 5 (Hanover Park WRP) was monitored during July, August, and September of 2010. Four surveys were conducted at Site 45 (St. Michael Reservoir). The vegetative inventory methodology consisted of a



Paul Bollinger at the Hanover Park Water Reclamation Plant

meander search line and linear transects were not employed to quantify species richness or diversity. The inventory included recording all tree, shrub, and herbaceous plant species observed at the time of the site visit. In addition, a general ocular estimate of the dominant vegetative cover was recorded.

Field data from site inventories was entered into the Wilhelm and Masters (2001) Floristic Quality Assessment and Application Computer Program. Native plant species are assigned a coefficient of Conservatism value (C-value) ranging from 0-10. Conservatism values indicate a plant species' varying degrees of tolerance to disturbance, and varying degrees of fidelity to specific habitat integrity. A value of 0 represents common plant species or species not likely to be found only in natural areas. Rare species or species most likely to be found only in natural, undisturbed areas are assigned a value of 10.

The Floristic Quality Index (FQI) was developed by Wilhelm and Masters (2001) to evaluate the level of intrinsic biodiversity from geographic areas with similar C-values, but otherwise differ significantly. FQI is calculated according to the following equation:

$$\text{FQI} = \text{mean C value} \sqrt{N}$$

According to Swink and Wilhelm (1994), a C-value of 3.5 or higher or an FQI greater than 34 suggests that a site has sufficient floristic attributes to be of at least a marginal natural area. If a C-value is 4.5 or higher, or an FQI is greater than 44, it is almost certain that the site has a strong potential for a natural area. According to the US Army Corps of Engineers (USACE) Chicago District (2007), a wetland will be considered a "high quality aquatic resource" if the C-value is 3.5 or greater or if the FQI is greater than 19.

Plant community classifications were based primarily on topography and ocular estimates of cover present at the time of the field visit. The community types generally followed those outlined in Swink and Wilhelm (1994).

3.2.2 Dragonflies and Damselflies

Dragonflies and damselflies were observed in the field at each of the 25 selected sites on District properties. Surveys were conducted during the period June through September in 2010 and June and July in 2011. Walking routes were developed to bring the surveyor in contact with each of the different physical habitat types on the property, with an emphasis on reproductive habitats (aquatic resources). As the routes were walked (and waded), the number of individuals of each Odonate species observed were recorded. Photographs and collection by netting were used to assist with species identification. District properties were surveyed two to five times (most locations assessed three times). All of the physical habitats utilized by the insects were monitored at each site.



Eastern tailed blue butterfly

3.2.3 Butterflies

During the summers of 2010 and 2011, butterfly surveys were conducted at 25 sites on properties owned by the District. A modified Pollard-Yates transect (Pollard and Yates 1993) was used to assess the butterfly community. A transect was established that traverses all major physical habitats on the property. Walking occurred at a constant pace, and all individual butterflies observed within 20 meters of the observer were recorded. The length of time to conduct the field survey varied from 45 minutes to three hours, because the properties varied in size. Transects were mapped, and the mapping files have been included on the

biological survey's e-room web site. To account for the difference in effort required to complete a survey, data was adjusted to reflect the number of individuals observed per search hour.

3.2.4 Amphibians and Reptiles

In order to effectively conduct a field survey for amphibians and reptiles, a number of different sampling techniques were employed. The use of different field collection methods at the same time maximizes the potential for capturing “difficult-to-find” animals. Therefore, a number of sampling methods were employed based on an optimal habitat priority system affecting the frequency of monitoring District properties.

Amphibians and reptiles are often difficult to collect because of their very guarded nature and often limited mobility and visibility. Aside from aquatic turtles and the northern water snake (*Nerodia sipedon*) who are active during the daytime and readily observable, other amphibians and reptiles are reclusive and difficult to capture, resulting in the need to utilize multiple field collection techniques in an effort to accurately assess the reptile and amphibian populations at a site.

Field methods used to collect amphibians and reptiles on District properties included Time Constrained Visual Encounter Surveys (TC-VES) which involved transect walking and meandering, drift fence lines with funnel traps and pitfall traps, aquatic/turtle traps, cover boards, and frog call surveys. Each method provided opportunities to observe a number of terrestrial and aquatic amphibian and reptile species. Field surveys were conducted during the period of June through September 2010-11.



Drift fence with traps

As previously explained, a site was ranked according to what methods would be most suitable for the given habitat. In advance of field monitoring, a site visit occurred at each of the 25 sites on District properties to determine the priority with a value of one indicating a “high priority” (diverse plant community, rock piles, presence of natural corridors for animals to move freely) and a value of three a “lower priority” (heavily disturbed, fragmentation, lack of diverse plant community). The priority ranking does not suggest that a site with a “lower priority” ranking does not warrant further investigation, but rather was used to facilitate selection of sites to be evaluated more frequently. Sites 1B (North Shore Channel), 3B (Chicago Sanitary and Ship Canal), 8 (North Side WRP), 45 (St. Michael Reservoir), and 49 (Tinley Park Reservoir) were given a one value, indicating properties with a high potential for amphibians and reptiles.

TC-VES was the primary field method employed to survey amphibians and reptiles. Meandering surveys were conducted to focus on edge habitat, ephemeral ponds/wetlands, and potential denning areas. Quadrant and transect walking were employed so that maximum coverage of a site could be achieved. Binoculars were used to survey river and stream banks for basking turtles. Generally, when only one member of the team was present, a meandering survey was employed. If additional personnel were available, transects were used to provide greater coverage of the property. During the summer, amphibians and reptiles often aestivate during daylight, and many become active at night. Optimal times for surveys were early to late evenings and early to mid-mornings and therefore, surveys were conducted between 8:00 A.M. and 1:00 P.M. and between 4:00 P.M. and 7:00 P.M.

Drift fence lines were established with simple funnel traps attached to each end. Drift fences were made of construction-grade silt fencing material. Funnel traps were constructed of hardware cloth (36" long) attached to cones. Pitfall traps consisted of buried coffee cans with holes drilled for drainage. The pitfall traps were attached at the halfway and $\frac{3}{4}$ marks of each fence line. The traps were covered to provide shade because the traps were only checked once a day. Additionally, a wet sponge was placed inside a trap. These traps were moderately effective in trapping snakes and several salamanders.

Trap placement is important for optimal results. In most cases, drift fences were located perpendicular to edge habitat to target individuals migrating along edge the habitat transitions. However, in some cases, drift fences were placed parallel to the edge habitat such that animals would be captured leaving an edge habitat in search of food in fields/grasslands. Only two drift fence lines were used on District properties (Sites 40 and 49) because of the manpower requirements to set up the traps.

Turtle traps were used to survey ponds, rivers, streams, and riparian areas along the CAWS. The "cone-style" net traps were located immediately adjacent to edge habitat and shorelines. Traps were baited with sardines and checked at least once daily for a one-week period. The traps were very effective for collecting midland painted turtles and common snapping turtles.

Cover boards were successfully employed in open fields on District properties to collect snakes. Location, composition, and size of the cover boards were important considerations to maximize success. Typically, well-weathered wooden boards measuring 36" x 24", approximately $\frac{1}{4}$ " thick were effective.

Frog call surveys utilizing hand held clickers that imitate the call of the northern cricket frog were used to locate individual frogs responding to the call.

3.2.5 Birds

The bird community on the District properties was assessed through (a) breeding bird surveys, (b) shorebird surveys, and (c) along the riparian corridor at selected sites on the North Shore Channel, North Branch of the Chicago River, Chicago Sanitary and Ship Canal, and the Calumet-Sag Channel.

Breeding bird surveys were conducted along established transects in areas of potentially valuable habitat (e.g. wetlands, grasslands, or mature woods) at all 25 sites on District properties. Birds generally show much greater fidelity to specific habitat types during the nesting season than at other times of year and therefore breeding bird surveys more accurately portray the relative utilization of each habitat type by a given bird species.



Yellow-crowned night-heron

GPS coordinates were established for the starting point, mid and end points of each transect, including at locations where a transect meandered from a straight line. Bird surveys were conducted between 5:30 A.M. and 10:00 A.M. on days with little wind, and no rain or heavy fog. Each transect was visited at least once during the period from late May to mid-July, when bird vocalizations are at their peak. Transects were walked at a slow pace, and all birds seen or heard along a transect were counted, within District property boundaries. Birds flying over and not actively using the site were recorded separately as "flyovers."

Breeding evidence for each species was recorded using standardized Breeding Bird Atlas criteria codes (Kleen and others, 2004). The four breeding status categories from highest to lowest level of certainty were Confirmed, Probable, Possible, and Observed. The Confirmed, Probable, and Possible categories provide evidence of bird breeding. The Observed category presents only verification of occurrence, not

breeding. The Observed category was used to record the occurrence of migrants, non-breeding bird species, and wide-ranging species (e.g., vultures and herons) that may forage some distance from their nest sites.

The Calumet WRP has historically been recognized as an important stopover location for migratory shorebirds, and it has been known to attract a wide range of species and sometimes hundreds of individual birds on a single date. To date, 34 shorebird species have been recorded at the Calumet WRP, including two Eurasian vagrants, the sharp-tailed sandpiper (*Calidris acuminata*) and the ruff (*Philomachus pugnax*) (Greenberg, 2006).

Shorebird surveys were conducted along eight transects established in the lagoon areas at the Calumet WRP, and along three transects at the Stony Island Solids Processing property. GPS coordinates were established for the starting point, mid and end points of each transect, including locations where a transect meandered from a straight line. Bird surveys were conducted between 6:00 A.M. and 12:00 P.M. on days with little wind, and no rain or heavy fog. Each transect at the Calumet WRP was visited weekly during the period from mid-April to late October during 2010 and 2011. The Stony Island property was monitored on selected dates during the shorebird migration. Transects were walked at a slow pace, and all birds seen or heard along a transect were counted, within District property boundaries. Birds flying over and not actively using the site were recorded separately as “flyovers.”

An assessment of the aquatic and riparian bird species along the North Shore Channel, the North Branch of the Chicago River, the Chicago Sanitary and Ship Canal, and the Calumet-Sag Channel was conducted during September-November 2010 and March through May 2011. Surveys were conducted by District boat during regularly scheduled water quality monitoring activities.

GPS coordinates were established for the starting point, mid and end points of each transect, including locations where a transect meandered from a straight line. Bird surveys were conducted between 7:30 A.M. and 3:00 P.M. on days with little wind, and no rain or heavy fog.

All birds observed or heard along each waterway were counted within District property boundaries (approximately 40 feet along banks on either side of the waterway). Birds flying over and not actively using the riparian corridors were recorded separately as “flyovers.” Whenever possible, breeding evidence for each species was recorded.

During all of the different categories of bird surveys, particular note was made with regard to endangered/threatened species (Illinois Endangered Species Protection Board, 2011). A GPS reading was recorded to identify the exact location whenever an endangered, threatened, or rare species was observed. Common and scientific names used were from the American Ornithologists’ Union *Check-list of North American Birds* (2010).

3.2.6 Mammals

Approximately one-third of the mammals identified at the 25 sites on District properties were observed during daytime via visual surveys or by a species specific “sign” of mammal activity (feeding residues, shelters or burrows, tracks, skeletal fragments, scat, etc.) observed in the field. Many nocturnal mammals were identified by motion-sensitive cameras positioned near bait/scent stations.

However, the small size and secretive and/or nocturnal activity of many other mammals make them difficult to detect



Photo taken of opossum with the motion-sensitive camera

visually or by “sign” of their activity. These mammals must be collected in the field by trapping, or in the case of bats mist-netted, and examined to confirm their species identification.

The current study did not survey bats in the field. Data regarding bat species near District properties is included in a recent technical report prepared by the Illinois Natural History Survey (Hofmann and others, 2008). The Survey conducted a comprehensive assessment in northeastern Illinois for the federally endangered Indiana bat (*Myotis sodialis*) from 2006 through 2009. Many of the monitoring locations in the study are less than 10 miles from District properties.

Mouse-size Victor Snap traps and Sherman traps were placed along transects on 25 District properties early in the day and checked every 24 hours over a 72-hour period. Transect length was determined by the size and dimensions of the habitats selected for trapping. Trapping was initiated at the end of the 2010 breeding season from September through early December to maximize the probability of collecting uncommon and rare species because their annual populations were at the highest. A Snap trap and/or a Sherman trap (23 cm long) were set at approximately 10 meter intervals along transects. Sherman live-traps were baited with rolled oats. Cotton was placed in the traps for bedding late in the trapping season. Snap traps were baited with peanut butter. The age, sex, reproductive condition, and species of each mammal captured was determined.



White-footed mouse

Motion-activated cameras and bait stations were utilized at 22 of the District sites. Because of human activity, cameras were not used at Sites 2 (North Shore Channel), 4C, (Calumet-Sag Channel) and 49 (Tinley Park Reservoir). Dry cat food, sunflower seeds, peanuts, and sardines in a 24.5 cm diameter plastic plant pot tray were used for bait at the following sites: 1A (North Shore Channel), 1B (North Shore Channel), 3A (Chicago Sanitary and Ship Canal), 5 (Hanover Park WRP), 6 (John Egan WRP), 7 (James Kirie WRP), 8 (North Side WRP), 9 (Stickney WRP), 10 (Calumet WRP), 14 (Calumet West solids processing), 20 (Stony Island solids processing), 40 (O’Hare CUP Reservoir), 53 (Mary Woodland Reservoir), 54 (SEPA 1), and 59 (TARP pumping station). A motion-activated camera (Moutrie Game SpyD-40; Stealth Cam STC-1550 or Scout infrared camera) was placed within 10 m of each bait station. One to three cameras were placed in the field during the 72-hour 2010 trapping period, and for one to two weeks during the fall 2010 and/or spring 2011.

Between September and November of 2010, two to five scent bait stations were established at sites 4A (Calumet-Sag Channel), 4B (Calumet-Sag Channel), 11 (Lemont WRP), 32 (Edward Howell Reservoir), 45 (St. Michael Reservoir), and 57 (SEPA 5) utilizing a commercially formulated carnivore attractant (Cronk’s All Fur Lure). A motion-activated camera set on infrared (Bushnell Trophy Camera or Cuddle Capture) was placed within 10 m of each scent station. Photographs taken with motion-activated cameras were used in the identification of mammals.

Section 4 Results

4.1 Terrestrial Habitat

The dominant terrestrial habitats observed at 25 sites on District properties during the 2010-2011 field surveys are summarized in **Table 2**. A description of the terrestrial habitats observed at the 25 sites follows.

TABLE 2. Principal Terrestrial Habitat at the 25 District Properties

Site Number	Terrestrial Habitat Type
1A	Woodlands; disturbed savannah
1B	Disturbed woodland; fallow fields
2	Woodland; disturbed savannah; sedge meadows
3A	Disturbed forest/scrub/shrub; swamp; fallow field
3B	Disturbed forest/scrub/shrub; fallow fields
4A	Disturbed woodland; degraded native prairie remnants
4B	Disturbed forest; shrub
4C	Scrub/shrub; degraded native prairie remnants
5	Fallow field; degraded sedge meadow; degraded native prairie remnant
6	Disturbed woodland; fallow fields
7	Restored native prairie
8	Restored native prairie; disturbed woodland; sedge meadow
9	Open lake; wetland; scrub/shrub; fallow field; disturbed woodland
10	Fallow fields; disturbed woodland
11	Restored native prairie; scrub/shrub
14	Wetland; scrub/shrub
20	Open water; wetland; forest
32	Reservoir; wetland; scrub/shrub; fallow field; degraded native prairie remnants
40	Pond; marsh/sedge meadow; woodland; fallow field
45	Reservoir; fallow fields; marsh/sedge meadow; forest
49	Reservoir, fallow fields; grasses
53	Reservoirs; disturbed woodland; scrub/shrub
54	Disturbed forest; wetland; grasses
57	Disturbed forest; shrub
59	Scrub/shrub; restored native prairie; disturbed woodland

Tables B1-B8 are the Lists of Common and Scientific Names for plants, dragonflies, damselflies, butterflies, amphibians, reptiles, birds, and mammals found at the 25 District properties. Tables C1-C25 are the Lists of Common and Scientific Names for plants, dragonflies, damselflies, butterflies, amphibians, reptiles, birds, and mammals found at each of the 25 District properties. The number of an individual species observed were noted within the tables for the dragonflies, damselflies, butterflies, amphibians, and reptiles as well as for those mammal species that were trapped.

4.1.1 CAWS Riparian Corridor (Sites 1A, 1B, 2, 3A, 3B, 4A, 4B, and 4C)

4.1.1.1 Site 1A: North Shore Channel

The dominant terrestrial habitats observed at Site 1A along the North Shore Channel include woodlands along with a disturbed savannah on the eastern edge of the District's property. In addition, small patches of restored woodland areas in which shrubs appear to have been removed are located within the western quarter of the property.

4.1.1.2 Site 1B: North Shore Channel

Site 1B on the North Shore Channel is characterized as a disturbed woodland habitat with areas of steep embankments along the waterway. Fallow field areas abound on the eastern portion of the District's property at this site.



North Shore Channel

4.1.1.3 Site 2: North Branch Chicago River

Mesic woodland and areas of savanna along a trail extending through the property are the major ecosystem habitats on the southern section of Site 2. Occasional trees on the northern portion of Site 2 classify the area as a disturbed savannah. Areas of floodplain forest are located along the North Branch of the Chicago River. In the center of the District's property are two small disturbed prairie restoration areas and several lesser natural sedge meadows.

4.1.1.4 Site 3A: Chicago Sanitary and Ship Canal

Overall, Site 3A on the Chicago Sanitary and Ship Canal is dominated by a degraded forested/scrub/shrub terrestrial habitat. A trail extending through the central portion of the property is bordered by a narrow strip of fallow field plant species. A swamp area is located on the southern edge of the site.

4.1.1.5 Site 3B: Chicago Sanitary and Ship Canal

Site 3B on the Chicago Sanitary and Ship Canal is categorized by a degraded forested/scrub/shrub habitat with floodplain forest areas on the north side of the property along the Des Plaines River. An asphalt path referred to as the "Centennial and I&M Trail" extends through the center of the site. Small areas along the path appear to have been cleared and are dominated by grasses.

4.1.1.6 Site 4A: Calumet-Sag Channel

Degraded upland woodland with a path extending through the property flanked by a narrow strip of fallow field plant species are the major ecosystem habitats at Site 4A on the Calumet-Sag Channel. Two degraded native prairie remnants are located on the property.

4.1.1.7 Site 4B: Calumet-Sag Channel

The dominant terrestrial habitat at Site 4B along the Calumet-Sag Channel includes a degraded forest with several shrub species.

4.1.1.8 Site 4C: Calumet-Sag Channel

Site 4C on the Calumet-Sag Channel is characterized as a scrub/shrub habitat with scattered small areas of degraded native prairie remnants.

4.1.2 Water Reclamation Plants (Sites 5, 6, 7, 8, 9, 10, and 11)

4.1.2.1 Site 5: Hanover Park

A fallow field and a degraded sedge meadow along the West Branch of the DuPage River are the major ecosystem habitats at Site 5 on the western portion of the Hanover Park WRP. The eastern study area is a small, linear, dry and wet remnant native prairie bordering railroad tracks.

4.1.2.2 Site 6: John Egan

The dominant terrestrial habitats observed at Site 6 at the John Egan WRP included a disturbed mesic woodland and a fallow field bordering a gravel road extending north-south through the center of the property. The West Branch of Salt Creek flows along the northern and eastern portions of Site 6.



Mesic prairie

4.1.2.3 Site 7: James Kirie

Site 7 at the James Kirie WRP is characterized as a well-managed, restored, planted mesic prairie. However, there are scattered areas throughout the site with non-native, invasive plant species.

4.1.2.4 Site 8: North Side

Prairie restoration dominates a large portion of Site 8 at the North Side WRP. Disturbed savanna is found on the eastern side of the property along a gravel road. Disturbed mesic woodland is located within the southern and western sections of the site. A stormwater drainage ditch with areas of sedge meadow occupies low areas with savanna on higher ground along the west edge of the property.

4.1.2.5 Site 9: Stickney

The dominant terrestrial habitats observed at Site 9 at the Stickney WRP include an open water lake (Brick Lake) surrounded by emergent wetland vegetation, a shallow pond with an emergent wetland area, scrub/shrub habitat to the north, a degraded wooded wetland area in the northeastern section of the property, and a large, fallow field occupying the center of Site 9.



Pond along the northwest corner at the Stickney Water Reclamation Plant

4.1.2.6 Site 10: Calumet

Site 10 at the Calumet WRP is characterized as a weedy grass habitat surrounding waste water retention basins.

4.1.2.7 Site 11: Lemont

Two prairie restoration areas to the south and east dominate a large part of Site 11 at the Lemont WRP. A scrub/shrub habitat is located to the north and west.



Rosinweed within restored prairie at Lemont WRP

4.1.3 Solids Processing Areas (Sites 14 and 20)

4.1.3.1 Site 14: Calumet West Solids Drying Area

The dominant terrestrial habitats at Site 14 at the Calumet West solids drying area include an emergent wetland area, a small wet prairie within the northern portion of the site, and a scrub/shrub habitat encompassing the wet prairie.

4.1.3.2 Site 20: Stony Island Drying Area

Site 20 at the Stony Island drying area is characterized as an open water area surrounded by an emergent wetland area. Deciduous forest is located near the emergent wetland area.

4.1.4 Flood Control Reservoirs (Sites 32, 40, 45, 49, and 53)

4.1.4.1 Site 32: Edward Howell

The man-made open water reservoir is encompassed by an emergent wetland and a scrub/shrub habitat. It appears historically that the southwestern section of the site was a sedge meadow/wet prairie. Today, the area is dominated by scrub/shrub habitat. The northwestern section of the site is a degraded mesic woodland with fallow field remnants located throughout the habitat. The fallow field includes remnant native prairie plant species. A small native prairie remnant was also observed along the western portion of the property.

4.1.4.2 Site 40: O'Hare Chicago Underflow Plan

The dominant habitats at Site 40 include a shallow pond surrounded by a marsh and sedge meadow in the southwest section of the site, a fallow field along the southern edge of the property, scattered pockets of mesic woodland located north and east, and sections of highly disturbed wet and mesic prairie to the east.

4.1.4.3 Site 45: St. Michael

Site 45 located at the St. Michael Reservoir is characterized as a succession of fallow fields, marsh vegetation bordering the reservoir, sedge meadow in the more elevated portions, and floodplain forests. In the eastern portions of the site, several small areas of degraded sedge meadow were observed interspersed between the fallow fields and marsh.

4.1.4.4 Site 49: Tinley Park

Fallow fields with remnant orchard trees, scattered and recently planted deciduous trees, and grasses are the major ecosystem habitats at Site 49 at the Tinley Park Reservoir. Most of the site is mowed and managed as a recreational park.

4.1.4.5 Site 53: Dr. Mary Woodland

The dominant terrestrial habitat at Site 53 is scrub/shrub with weedy vegetation.



Reservoir

4.1.5 Supplemental Aeration Stations (Sites 54 and 57)

4.1.5.1 Site 54: SEPA 1

Site 54 at SEPA 1 is characterized as a floodplain forest with mowed grass areas on the southern section of the property.

4.1.5.2 Site 57: SEPA 5

A degraded deciduous forest is the major ecosystem habitat at Site 57.



SEPA 5 at the Cal-Sag Channel and Chicago Sanitary and Ship Canal

4.1.6 TARP Pumping Station (Site 59)

4.1.6.1 Site 59: TARP

The dominant terrestrial habitat at Site 59 at the TARP pumping station is scrub/shrub vegetation. The western portion of the property is a restored native prairie.

4.2 Plant and Animal Biodiversity

Table 3 summarizes the total number of plant and animal species observed at the 25 sites on District properties. A description of the plant and animal biodiversity at the 25 sites follows.

TABLE 3. Total Number of Plant and Animal Species Identified at the 25 District Properties

Site Number	PL ¹	DR ²	DA ³	BU ⁴	AM ⁵	RE ⁶	BI ⁷	MA ⁸	Total
1A	99	6	1	5	0	2	33	6	152
1B	137	11	5	7	0	3	33	5	201
2	154	6	4	8	0	1	34	6	213
3A	192	16	14	10	0	0	36	4	272
3B	164	11	8	6	3	1	44	3	240
4A	121	5	6	1	1	2	17	8	161
4B	22	3	1	15	2	1	53	1	98
4C	112	4	1	6	0	1	23	2	149
5	192	12	9	6	2	0	31	12	264
6	135	9	13	8	2	1	40	7	215
7	119	12	2	7	0	1	35	9	185
8	138	4	0	9	0	1	34	9	195
9	118	15	9	12	2	3	39	12	210
10	53	12	5	9	1	1	131	10	222
11	127	21	6	13	2	1	33	8	211
14	105	15	4	12	1	2	28	9	176
20	71	11	5	2	1	2	47	9	148
32	226	13	11	12	1	2	41	9	315
40	130	11	11	6	1	1	41	6	207
45	163	22	11	13	4	4	79	13	309
49	104	17	9	8	3	5	38	2	186
53	110	13	9	12	2	0	37	8	191

Site Number	PL ¹	DR ²	DA ³	BU ⁴	AM ⁵	RE ⁶	BI ⁷	MA ⁸	Total
54	35	8	3	6	1	2	34	8	97
57	85	8	3	8	0	0	26	4	134
59	100	10	8	9	0	0	24	12	163

¹Vascular Plants

²Dragonflies

³Damselflies

⁴Butterflies

⁵Amphibians

⁶Reptiles

⁷Birds

⁸Mammals

4.2.1 CAWS Riparian Corridor (Sites 1A, 1B, 2, 3A, 3B, 4A, 4B, and 4C)

During the 2010 and 2011 field surveys, a total of 518 plant and animal species were identified in the riparian zone at eight sites along the North Shore Channel, North Branch of the Chicago River, Chicago Sanitary and Ship Canal, and the Calumet-Sag Channel. A total of 394 plants, 18 dragonflies, 17 damselflies, 17 butterflies, four reptiles, 59 birds, and nine mammals were observed along the riparian corridor (**Tables C1-C8**). No amphibian species were recorded at the CAWS Riparian Corridor sites.

4.2.1.1 Site 1A: North Shore Channel

Ninety-nine species of vascular plants were identified at Site 1A along the North Shore Channel (**Table C1**). Fifty-eight of the species are native plants. Overall, dominant vegetation at Site 1A included box elder (*Acer negundo*), green ash (*Fraxinus pennsylvanica* var. *subintegerrima*), eastern cottonwood (*Populus deltoides*), gray dogwood (*Cornus racemosa*), common buckthorn (*Rhamnus cathartica*), and riverbank grape (*Vitis riparia*).

Six dragonfly species and one damselfly species were observed at Site 1A (**Table C1**). Common Odonate species included the common green darner dragonfly (*Anax junius*) and the tule bluet damselfly (*Enallagma carunculatum*). The total number of Odonates at Site 1A was 15.

Five species of butterflies were observed at Site 1A (**Table C1**). A total of 24 butterflies were observed during the field surveys. The dominant butterfly at Site 1A was the red admiral (*Vanessa atalanta*).

No amphibians were observed at Site 1A (**Table C1**).

Two reptile species were identified at Site 1A (**Table C1**). The two species included the common snapping turtle (*Chelydra serpentina*) and the red-eared slider turtle (*Trachemys scripta elegans*).

Thirty-three bird species were observed at Site 1A (**Table C1**). Twenty-three species were actively using the site. The gray catbird (*Dumetella carolinensis*) and the northern cardinal (*Cardinalis cardinalis*) were probable breeders; 14 species were possible breeders; and the remaining 17 bird species were not believed to be breeding at Site 1A. The most common bird species observed at Site 1A during the 2010-



Female fiery skipper butterfly

2011 breeding surveys included the mallard (*Anas platyrhynchos*), red-eyed vireo (*Vireo olivaceus*), barn swallow (*Hirundo rustica*), American robin (*Turdus migratorius*), and northern cardinal.

Six species of mammals were identified at Site 1A (**Table C1**). Overall, dominant species included the white-footed mouse (*Peromyscus maniculatus*) and the eastern chipmunk (*Tamias striatus*).

4.2.1.2 Site 1B: North Shore Channel

One hundred and thirty-seven species of vascular plants were identified at Site 1B along the North Shore Channel (**Table C2**). Sixty-seven of the species are native plants. Overall, dominant vegetation at Site 1B included box elder, Norway maple (*Acer platanoides*), honey locust (*Gleditsia triacanthos*), common buckthorn, and poison ivy (*Toxicodendron radicans*, or formerly *Rhus radicans*).

Eleven dragonfly species and five damselfly species were observed at Site 1B (**Table C2**). Common Odonate species included the common green darner dragonfly and the stream bluet damselfly (*Enallagma exsulans*). The total number of Odonates at Site 1B was 108.

Seven species of butterflies were observed at Site 1B (**Table C2**). A total of 21 butterflies were observed during the field surveys. The dominant butterfly at Site 1B was the summer azure (*Celastrina neglecta*).

No amphibians were observed at Site 1B (**Table C2**).

Three reptile species were identified at Site 1B (**Table C2**). The three species included the spiny softshell turtle (*Apalone spinifera*), common map turtle (*Graptemys geographica*), and the common snapping turtle.

Thirty-three bird species were observed at Site 1B (**Table C2**). Twenty-eight species were actively using the site. The Canada goose (*Branta canadensis*), mallard, and the barn swallow were confirmed breeders at the site; four species were probable breeders; 19 species were possible breeders; and the remaining seven bird species were not believed to be breeding at Site 1B. The most common bird species observed at Site 1B during the 2010-2011 breeding surveys included the Canada goose, mallard, red-eyed vireo, barn swallow, American robin, gray catbird, northern cardinal, common grackle (*Quiscalus quiscula*), and the American goldfinch (*Spinus tristis* or *Caduelis tristis*).

Five species of mammals were identified at Site 1B (**Table C2**). Overall, the dominant mammalian species was the white-footed mouse.

4.2.1.3 Site 2: North Branch Chicago River

One hundred and fifty-four species of vascular plants were identified at Site 2 along the North Branch of the Chicago River (**Table C3**). One hundred of the species are native plants. Overall, dominant vegetation at Site 2 included box elder, black locust (*Robinia pseudoacacia*), white mulberry (*Morus alba*), common buckthorn, garlic mustard (*Alliaria petiolata*), tall goldenrod (*Solidago altissima*), and sedges (*Carex* sp.).

Six dragonfly species and four damselfly species were observed at Site 2 (**Table C3**). Common Odonate species included the common green darner dragonfly and the black saddlebags dragonfly (*Tramea lacerata*). The total number of Odonates at Site 2 was 56.

Eight species of butterflies were observed at Site 2 (**Table C3**). A total of 13 butterflies were observed during the field surveys. The dominant butterflies at Site 2 were the red admiral and the cabbage white (*Pieris rapae*).

No amphibians were observed at Site 2 (**Table C3**).

One reptile species, the red-eared slider was identified at Site 2 (**Table C3**).

Thirty-four bird species were observed at Site 2 (**Table C3**). Twenty-six species were actively using the site. The northern cardinal was a confirmed breeder at the site; the American robin was a probable breeder; 18 species were possible breeders; and the remaining nine bird species were not believed to be breeding at Site 2. The most common bird species observed at Site 2 during the 2010-2111 breeding surveys included the chimney swift (*Chaetura pelagica*), American robin, European starling (*Sturnus vulgaris*), northern cardinal, common grackle, American goldfinch, and house sparrow (*Passer domesticus*).

Six species of mammals were identified at Site 2 (**Table C3**). Overall, the dominant mammalian species was the white-footed mouse.

4.2.1.4 Site 3A: Chicago Sanitary and Ship Canal

One hundred and ninety-two species of vascular plants were identified at Site 3A along the Chicago Sanitary and Ship Canal (**Table C4**). One hundred and twenty-nine of the species are native plants. Overall, dominant vegetation at Site 3A included red ash (*Fraxinus pennsylvanica*), eastern cottonwood, common buckthorn, Amur honeysuckle (*Lonicera maackii*), enchanter's nightshade (*Circaea lutetiana canadensis*), and thicket creeper (*Parthenium inserta*).

Sixteen dragonfly species and fourteen damselfly species were observed at Site 3A (**Table C4**). Common Odonate species included the common whitetail dragonfly (*Libellula lydia*), the eastern amberwing dragonfly (*Perithemus tenera*), the blue-fronted dancer damselfly (*Argia apicalis*), blue-tipped dancer damselfly (*Argia tibialis*), and the eastern forktail damselfly (*Ischnura verticalis*). The total number of Odonates recorded at Site 3A was 1,049.

Ten species of butterflies were observed at Site 3A (**Table C4**). A total of 88 butterflies were observed during the field surveys. The dominant butterflies at Site 3A were the buckeye (*Junonia coenia*), cabbage white, and the eastern-tailed blue (*Everes comyntas*).

No amphibian or reptile species were identified at Site 3A (**Table C4**).

Thirty-six bird species were observed at Site 3A (**Table C4**). Thirty-one species were actively using the site. The downy woodpecker (*Picoides pubescens*), American robin, cedar waxwing (*Bombycilla cedrorum*), and the Baltimore oriole (*Icterus galbula*) were confirmed breeders at the site; seven bird species were probable breeders; 19 species were possible breeders; and the remaining five bird species were not believed to be breeding at Site 3A. The most common bird species observed at Site 3A during the 2010-2111 breeding surveys included the blue jay (*Cyanocitta cristata*), black-capped chickadee (*Poecile atricapillus*), house wren (*Troglodytes aedon*), American robin, gray catbird, cedar waxwing, northern cardinal, indigo bunting (*Passerina cyanea*), red-winged blackbird (*Agelaius phoeniceus*), common grackle, brown-headed cowbird (*Molothrus ater*), Baltimore oriole, and the American goldfinch.



Buckeye butterfly

Four species of mammals were identified at Site 3A (**Table C4**). Overall, the dominant mammalian species were the white-footed mouse and the eastern fox squirrel (*Sciurus niger*).

4.2.1.5 Site 3B: Chicago Sanitary and Ship Canal

One hundred and sixty-four species of vascular plants were identified at Site 3B along the Chicago Sanitary and Ship Canal (**Table C5**). One hundred and ten of the species are native plants. Overall, dominant

vegetation at Site 3B included eastern cottonwood, black walnut (*Juglans nigra*), red ash, honeysuckle (*Lonicera* sp.), thicket creeper, and poison ivy.

Eleven dragonfly species and eight damselfly species were observed at Site 3B (**Table C5**). Common Odonate species included the blue-fronted dancer damselfly, blue-tipped dancer damselfly, and the powdered dancer damselfly (*Argia moesta*). The total number of Odonates at Site 3B was 447.

Six species of butterflies were observed at Site 3B (**Table C5**). A total of 11 butterflies were observed during the field surveys. The dominant butterfly at Site 3B was the red admiral.

Three amphibians and one reptile were identified at Site 3B (**Table C5**). The four species were the bullfrog (*Rana catesbeiana*), green frog (*Rana clamitans*), American toad (*Bufo americanus*), and the common map turtle.

Forty-four bird species were observed at Site 3B (**Table C5**). Thirty-three species were actively using the site. The hairy woodpecker (*Picoides villosus*), American robin, and the scarlet tanager (*Piranga olivacea*) were confirmed breeders at the site; seven bird species were probable breeders; 29 species were possible breeders; and the remaining six bird species were not believed to be breeding at Site 3B. The most common bird species observed at Site 3B during the 2010-2111 breeding surveys included the hairy woodpecker, red-eyed vireo, blue jay, black-capped chickadee, white-breasted nuthatch (*Sitta carolinensis*), American robin, gray catbird, cedar waxwing, northern cardinal, indigo bunting, common grackle, brown-headed cowbird, and the Baltimore oriole.

Three species of mammals were identified at Site 3B (**Table C5**). Overall, the dominant mammalian species were the white-footed mouse and the raccoon (*Procyon lotor*).

4.2.1.6 Site 4A: Calumet-Sag Channel

One hundred and twenty-one species of vascular plants were identified at Site 4A along the Calumet-Sag Channel (**Table C6**). Eighty-two of the species are native plants. Overall, dominant vegetation at Site 4A included eastern cottonwood, green ash, common buckthorn, honeysuckle, and the common wood sedge (*Carex blanda*). The major plant species in the southern native prairie remnant were switch grass (*Panicum virgatum*) and blue joint grass (*Calamagrostis canadensis*). The northern prairie remnant was dominated by switch grass, redtop (*Agrostis alba*), Dudley's rush (*Juncus dudleyi*), hairy grass-leaved goldenrod (*Solidago graminifolia nuttallii*), and rough dropseed (*Sporobolus asper*).

Five dragonfly species and six damselfly species were observed at Site 4A (**Table C6**). Common Odonate species included the blue dasher dragonfly (*Pachydiplax longipennis*), common whitetail, and the emerald spreadwing (*Lestes dryas*). The total number of Odonates at Site 4A was 91.

One species of butterfly was observed at Site 4A (**Table C6**). A single red admiral butterfly was observed during the field survey.

One amphibian and two reptile species were identified at Site 4A (**Table C6**). The three species were the American toad, brown snake (*Storeria dekayi*), and the eastern garter snake (*Thamnophis sirtalis*).

Seventeen bird species were observed at Site 4A (**Table C6**). Fifteen species were actively using the site. The downy woodpecker was the only confirmed breeder at the site; one bird species was a probable breeder; 14 species were possible breeders; and the remaining one bird species was not believed to be breeding at Site 4A. The most common bird species



Great blue heron

observed at Site 4A during the 2010-2111 breeding surveys included the gray catbird and the indigo bunting.

Eight species of mammals were identified at Site 4A (**Table C6**). Overall, the dominant mammalian species were the white-footed mouse and the raccoon.

4.2.1.7 Site 4B: Calumet-Sag Channel

Twenty-two species of vascular plants were identified at Site 4B along the Calumet-Sag Channel (**Table C7**). Thirteen of the species are native plants. Overall, dominant vegetation at Site 4B included box elder, red elm (*Ulmus rubra*), green ash, common buckthorn, common blackberry (*Rubus allegheniensis*), and honeysuckle.

Three dragonfly species and one damselfly species were observed at Site 4B (**Table C7**). The most common Odonate species was the common green darner dragonfly. The total number of Odonates at Site 4B was 12.

Fifteen species of butterflies were observed at Site 4B (**Table C7**). A total of 64 butterflies were observed during the field surveys. The dominant butterflies at Site 4B were the orange sulfur (*Colias eurytheme*) and the pearl crescent (*Phyciodes tharos*).

Two amphibians and one reptile were identified at Site 4B (**Table C7**). The three species were the bullfrog, green frog, and the common snapping turtle.

Fifty-three bird species were observed at Site 4B (**Table C7**). Forty-four species were actively using the site. The cedar waxwing and the song sparrow (*Melospiza melodia*) are confirmed breeders at the site; ten bird species were probable breeders; 32 species were possible breeders; and the remaining eight bird species were not believed to be breeding at Site 4B. One Illinois threatened bird species, the black-billed cuckoo (*Coccyzus erythrophthalmus*) was observed at Site 4B. The most common bird species observed at Site 4B during the 2010-2111 breeding surveys included the green heron (*Butorides virescens*), northern flicker (*Colaptes auratus*), eastern kingbird (*Tyrannus tyrannus*), warbling vireo (*Vireo gilvus*), blue jay, tree swallow (*Tachycineta bicolor*), house wren, American robin, gray catbird, European starling, cedar waxwing, yellow warbler (*Dendroica petechia*), common yellowthroat (*Geothlypis trichas*), song sparrow, indigo bunting, red-winged blackbird, common grackle, Baltimore oriole, and the American goldfinch.

One species of mammals was identified at Site 4B (**Table C7**). The dominant mammalian species was the white-footed mouse.

4.2.1.8 Site 4C: Calumet-Sag Channel

One hundred and twelve species of vascular plants were identified at Site 4C along the Calumet-Sag Channel (**Table C8**). Seventy-nine of the species are native plants. Overall, dominant vegetation at Site 4C included eastern cottonwood, green ash, common buckthorn, and garlic mustard.

Four dragonfly species and one damselfly species were observed at Site 4C (**Table C8**). The most common Odonate species was the blue-tipped dancer damselfly. The total number of Odonates at Site 4C was 12.



Mushrooms

Six species of butterflies were observed at Site 4C (**Table C8**). A total of 23 butterflies were observed during the field surveys. The dominant butterflies at Site 4C were the wild indigo duskywing (*Erynnis baptisiae*) and the buckeye.

No amphibians were observed at Site 4C (**Table C8**).

One reptile was identified at Site 4C (**Table C8**). The species of reptile was the smooth green snake (*Opheodrys vernalis*).

Twenty-three bird species were observed at Site 4C (**Table C8**). Twenty species were actively using the site. There were no confirmed breeders at the site; five bird species were probable breeders; 15 species were possible breeders; and the remaining three bird species were not believed to be breeding at Site 4C. The most common bird species observed at Site 4C during the 2010-2011 breeding surveys included the black-capped chickadee, blue-gray gnatcatcher (*Polioptila caerulea*), American robin, gray catbird, yellow warbler, brown-headed cowbird, and the American goldfinch.

Two species of mammals were identified at Site 4C (**Table C8**). The two mammalian species identified were the white-footed mouse and the raccoon.

4.2.2 Water Reclamation Plants (Sites 5, 6, 7, 8, 9, 10, and 11)

During the 2010 and 2011 field surveys, a total of 569 plant and animal species were identified at sites located at the seven District WRPs. Three hundred and thirty-seven plants, 26 dragonflies, 21 damselflies, 19 butterflies, five amphibians, five reptiles, 138 birds, and 18 mammals were observed at the WRPs (**Tables C9-C15**).

4.2.2.1 Site 5: Hanover Park WRP

One hundred and ninety-two species of vascular plants were identified at Site 5 (**Table C9**). One hundred and eighteen of the species are native plants. Dominant vegetation on the fallow field included Queen Anne's lace (*Daucus carota*), chicory (*Cichorium intybus*), tall goldenrod, crown vetch (*Coronilla varia*), and quack grass (*Agropyron repens*). The major vegetation observed on the degraded sedge meadow was reed canary grass (*Phalaris arundinacea*), common tussock sedge (*Carex stricta*), and sawtooth sunflower (*Helianthus grosseserratus*). Plant community composition and dominant vegetation varied at the remnant native prairie



Jewelweed

due to slope and the resulting hydrology (dry, mesic, and wet prairie). The western dry prairie was dominated by tall goldenrod, rough blazing star (*Liatris aspera*), yellow coneflower (*Ratibida pinnata*), compass plant (*Silphium laciniatum*), stiff goldenrod (*Solidago rigida*), and rough dropseed. Prairie blazing star (*Liatris pycnostachya*), yellow coneflower, compass plant, common mountain mint (*Pycnanthemum virginianum*), stiff goldenrod, and hairy grass-leaved goldenrod were the major plant species in the mesic prairie area. The eastern most area was a wet remnant prairie dominated by prairie blazing star, tall goldenrod, prairie cord grass (*Spartina pectinata*), Dudley's rush, and common tussock sedge.

Twelve dragonfly species and nine damselfly species were observed at Site 5 (**Table C9**). The most common Odonate species at the Hanover Park WRP were the eastern forktail damselfly, common green darner dragonfly, blue-fronted dancer damselfly, stream bluet damselfly, and the black saddlebags. The total number of Odonates at Site 5 was 497.

Six species of butterflies were observed at Site 5 (**Table C9**). A total of 32 butterflies were observed during the field surveys. The dominant butterfly at the Hanover Park WRP was the pearl crescent.

Two amphibians were identified at Site 5 (**Table C9**). The two amphibian species at the Hanover Park WRP were the bullfrog and the green frog.

No reptile species were observed at Site 5 (**Table C9**).

Thirty-one bird species were observed at Site 5 (**Table C9**). Twenty-six species were actively using the site at the Hanover Park WRP. The American robin, European starling, and common grackle were confirmed breeders at the site; six bird species were probable breeders; 16 species were possible breeders; and the remaining six bird species were not believed to be breeding at Site 5. One Illinois endangered bird species, the black-crowned night-heron (*Nycticorax nycticorax*) was observed at Site 5. The most common bird species observed at Site 5 during the 2010-2111 breeding surveys included the mourning dove (*Zenaida macroura*), willow flycatcher (*Empidonax traillii*), barn swallow, American robin, gray catbird, European starling, cedar waxwing, yellow warbler, common yellowthroat, song sparrow, red-winged blackbird, common grackle, brown-headed cowbird, and the American goldfinch.

Twelve species of mammals were identified at Site 5 (**Table C9**). The dominant mammalian species at the Hanover Park WRP were the white-footed mouse and the northern short-tailed shrew (*Blarina brevicauda*).

4.2.2.2 Site 6: John Egan WRP

One hundred and thirty-five species of vascular plants were identified at Site 6 (**Table C10**). Seventy-eight of the species are native plants. Dominant vegetation on the fallow field included quack grass, Queen Anne's lace, barnyard grass (*Echinochloa crusgalli*), tall boneset (*Eupatorium altissimum*), black medick (*Medicago lupulina*), white sweet clover (*Melilotus officinalis*), and hairy aster (*Aster pilosus*). The major vegetation observed at the mesic woodland was box elder and the green ash. Plants along Higgins Creek in the small sedge meadow area included swamp milkweed (*Asclepias incarnate*), rice cut grass (*Leersia oryzoides*), and common sneezeweed (*Helenium autumnale*).

Eight dragonfly species and fifteen damselfly species were observed at Site 6 (**Table C10**). The most common Odonate species at the John Egan WRP were the stream bluet damselfly and the rainbow bluet damselfly (*Enallagma antennatum*). The total number of Odonates at Site 5 was 916.

Nine species of butterflies were observed at Site 6 (**Table C10**). A total of 39 butterflies were observed during the field surveys. The dominant butterfly at the John Egan WRP was the orange sulfur.

Two amphibians and one reptile were identified at Site 6 (**Table C10**). The two amphibian and reptile species at the John Egan WRP were the bullfrog, northern leopard frog (*Rana pipiens*), and the eastern garter snake.

Forty bird species were observed at Site 6 (**Table C10**). Twenty-six species were actively using the site at the John Egan WRP. There were no confirmed breeders at the site; two bird species were probable breeders; 24 species were possible



American rubyspot damselfly



Sandpiper

breeders; and the remaining 14 bird species were not believed to be breeding at Site 6. The most common bird species observed at Site 6 during the 2010-2011 breeding surveys included the black-capped chickadee, blue-gray gnatcatcher, American robin, gray catbird, yellow warbler, brown-headed cowbird, and the American goldfinch.

Seven species of mammals were identified at Site 6 (**Table C10**). The dominant mammalian species at the John Egan WRP were the white-footed mouse and the meadow vole (*Microtus pennsylvanicus*).

4.2.2.3 Site 7 James Kirie: WRP

One hundred and nineteen species of vascular plants were identified at Site 7 (**Table C11**). Sixty of the species are native plants. Dominant vegetation on the restored mesic prairie areas at the James Kirie WRP included purple coneflower, yellow coneflower, New England aster (*Aster novae-angliae*), Indian grass (*Sorghastrum nutans*), tall goldenrod, late boneset (*Eupatorium serotinum*), hairy aster, Kentucky bluegrass (*Poa pratensis*), black-eyed Susan (*Rudbeckia hirta*), and sideoats grama (*Bouteloua curtipendula*).

Twelve dragonfly species and two damselfly species were observed at Site 7 (**Table C11**). The most common Odonate species at the James Kirie WRP were the common green darner dragonfly and the black saddlebags dragonfly. The total number of Odonates at Site 7 was 74.

Seven species of butterflies were observed at Site 7 (**Table C11**). A total of 20 butterflies were observed during the field surveys. The dominant butterfly at the James Kirie WRP was the monarch (*Danaus plexippus*).

No amphibians were observed at Site 7 (**Table C11**).

One reptile was identified at Site 7 (**Table C11**). The reptile species at the James Kirie WRP was the common snapping turtle.

Thirty-five bird species were observed at Site 7 (**Table C11**). Fourteen species were actively using the site at the James Kirie WRP. Canada goose, European starling, and the cedar waxwing were confirmed breeders at the site; one bird species was a probable breeder; ten species were possible breeders; and the remaining 22 bird species were not believed to be breeding at Site 7. One Illinois endangered bird species, the American bittern (*Botaurus lentiginosus*) was observed at Site 7. The most common bird species observed at Site 7 during the 2010-2011 breeding surveys included the Canada goose, barn swallow, American robin, European starling, cedar waxwing, red-winged blackbird, and the American goldfinch.

Nine species of mammals were identified at Site 7 (**Table C11**). The dominant mammalian species at the James Kirie WRP were the white-footed mouse and the meadow vole.

4.2.2.4 Site 8: North Side WRP

One hundred and thirty-eight species of vascular plants were identified at Site 8 (**Table C12**). Eighty-one of the species are native plants. Dominant vegetation on the restored prairie at the North Side WRP included Indian grass, big bluestem grass (*Andropogon gerardii*), yellow coneflower, tall goldenrod, wild bergamot (*Monarda fistulosa*), grass-leaved goldenrod (*Solidago graminifolia* var. *nuttallii*), and switch grass. The disturbed savannah area is dominated by tall goldenrod. Common plant species in the mesic woodland at the North Side WRP were eastern cottonwood, green ash, and common buckthorn. The sedge meadow was dominated by sedges, including crested oval sedge (*Carex cristatella*), common fox sedge (*Carex stipata*), and brown fox sedge (*Carex vulpinoidea*).

Four dragonfly species were observed at Site 8 (**Table C12**). The most common Odonate species at the North Side WRP were the common green darner dragonfly and the twelve-spotted skimmer dragonfly.

(*Libellula pulchella*). No damselflies were observed at Site 8 (**Table C12**). The total number of Odonates at Site 8 was 17.

Nine species of butterflies were observed at Site 8 (**Table C12**). A total of 19 butterflies were observed during the field surveys. The dominant butterflies at the North Side WRP were the cabbage white, pearl crescent, monarch, and the orange sulphur.

No amphibians were observed at Site 8 (**Table C12**).

One reptile was identified at Site 8 (**Table C12**). The reptile species at the North Side WRP was the eastern garter snake.

Thirty-four bird species were observed at Site 8 (**Table C12**). Nineteen species were actively using the site at the North Side WRP. The red-winged blackbird was a confirmed breeder at the site; six bird species were probable breeders; ten species were possible breeders; and the remaining 17 bird species were not believed to be breeding at Site 8. The most common bird species observed at Site 8 during the 2010-2111 breeding surveys included the American robin, European starling, song sparrow, red-winged blackbird, common grackle, and the American goldfinch.



White-tailed deer

Nine species of mammals were identified at Site 8 (**Table C12**).

The dominant mammalian species at the North Side WRP were the meadow vole and the white-footed mouse.

4.2.2.5 Site 9: Stickney WRP

One hundred and eighteen species of vascular plants were identified at Site 9 (**Table C13**). Sixty-five of the species are native plants. A narrow strip of emergent wetland vegetation dominated by common reed (*Phragmites australis*) and reed canary grass bordered Brick Lake. Common plant species at Site 9 on the scrub/shrub area included eastern cottonwood, box elder, and common buckthorn. Green ash dominated a wooded wetland area. Dominant vegetation on the fallow field at the Stickney WRP included Canada blue grass (*Poa compressa*), plains three-awn grass (*Artistida oligantha*), whorled milkweed (*Asclepias verticillata*), and seaside goldenrod (*Solidago sempervirens*).

Fifteen dragonfly species and nine damselfly species were observed at Site 9 (**Table C13**). The most common Odonate species at the Stickney WRP were the eastern amberwing dragonfly, blue dasher dragonfly, eastern forktail damselfly, and the common pondhawk dragonfly (*Erythemis simplicicollis*). The total number of Odonates at Site 9 was 547.



Bergamot – *Monarda fistulosa*

Twelve species of butterflies were observed at Site 9 (**Table C13**). A total of 28 butterflies were observed during the field surveys. The dominant butterfly at the Stickney WRP was the buckeye.

Two amphibians and three reptile species were identified at Site 9 (**Table C13**). The two amphibian and three reptile species at the Stickney WRP were the bullfrog, American toad, midland painted turtle (*Chrysemys picta marginata*), common snapping turtle, and plains garter snake (*Thamnophis radix*).

Thirty-nine bird species were observed at Site 9 (**Table C13**). Thirty-two species were actively using the site at the Stickney WRP. The killdeer (*Charadrius vociferus*) and the common grackle were confirmed breeders at the site; six bird species were probable breeders; 24 species were possible breeders; and the remaining seven bird species were not believed to be breeding at Site 9. The most common bird species observed at Site 9 during the 2010-2111 breeding surveys included the spotted sandpiper (*Actitis macularis*), American robin, gray catbird, European starling, yellow warbler, northern cardinal, indigo bunting, red-winged blackbird, common grackle, brown-headed cowbird, Baltimore oriole, and the American goldfinch.

Twelve species of mammals were identified at Site 9 (**Table C13**). The dominant mammalian species at the Stickney WRP were the white-footed mouse and the prairie vole (*Microtus ochrogaster*).

4.2.2.6 Site 10: Calumet WRP

Fifty-three species of vascular plants were identified at Site 10 (**Table C14**). Twenty-three of the species are native plants. Site 10A at the Calumet WRP was dominated by weedy grasses, common burdock (*Arctium minus*), common reed, and quack grass. The dominant vegetation bordering the water retention area at Site 10B included common reed grass.

Twelve dragonfly species and five damselfly species were observed at Site 10 (**Table C14**). The most common Odonate species at the Calumet WRP were the eastern forktail damselfly, familiar bluet damselfly (*Enallagma civile*), and the common green darner dragonfly. The total number of Odonates at Site 10 was 1,448.

Nine species of butterflies were observed at Site 10 (**Table C14**). A total of 63 butterflies were observed during the field surveys. The dominant butterflies at the Calumet WRP were the pearl crescent and the least skipper (*Ancyloxypha numitor*).

One amphibian and one reptile were identified at Site 10 (**Table C14**). The amphibian and reptile species at the Calumet WRP were the American toad and the plains garter snake.

One hundred and thirty-one bird species were observed at Site 10 (**Table C14**). The total number of birds includes the weekly shorebird surveys at the Calumet WRP. One-hundred and twenty-seven species were actively using the site. 16 species were confirmed breeders at the site; 11 bird species were probable breeders; 15 species were possible breeders; and the remaining 23 bird species were not believed to be breeding at Site 10. Three Illinois endangered bird species, the black-crowned night-heron, Wilson's phalarope (*Phalaropus tricolor*), and the Forester's tern (*Sterna forsteri*) and one Illinois threatened bird species, the peregrine falcon (*Falco peregrinus*) were observed at Site 10. The most common bird species observed at Site 10 during the 2010-2111 breeding surveys included the mallard, killdeer, spotted sandpiper, ring-billed gull (*Larus delawarensis*), tree swallow, bank swallow (*Riparia riparia*), barn swallow, European starling, song sparrow, red-winged blackbird, and the American goldfinch.

Ten species of mammals were identified at Site 10 (**Table C14**). The dominant mammalian species at the Calumet WRP were the white-footed mouse and the meadow vole.



Black-crowned night-heron



Red-breasted merganser

4.2.2.7 Site 11: Lemont WRP

One hundred and twenty-seven species of vascular plants were identified at Site 11 (**Table C15**). Seventy-one of the species are native plants. The native prairie restoration areas at Site 11 were dominated by false sunflower (*Heliopsis helianthoides*), Canada wildrye (*Elymus canadensis*), and common bergamot. White mulberry, box elder, and common buckthorn were the dominant vegetation on the scrub/shrub areas at the Lemont WRP.



Monarda with sphinx moth

Twenty-one dragonfly species and six damselfly species were observed at Site 11 (**Table C15**). The most common Odonate species at the Lemont WRP were the widow skimmer dragonfly (*Libellula luctuosa*), blue dasher damselfly, and the common green darner dragonfly. The federally endangered Hine's emerald dragonfly was also observed at Site 11. The total number of Odonates at Site 11 was 408.

Thirteen species of butterflies were observed at Site 11 (**Table C15**). A total of 182 butterflies were observed during the field surveys. The dominant butterflies at the Lemont WRP were the cabbage white and the pearl crescent.

Two amphibians and one reptile were identified at Site 11 (**Table C15**). The two amphibian and one reptile species at the Lemont WRP were the northern cricket frog (*Acris crepitans*), American toad, and the eastern milk snake (*Lampropeltis triangulum triangulum*).

Thirty-three bird species were observed at Site 11 (**Table C15**). Twenty-three species were actively using the site at the Lemont WRP. There were no confirmed breeders at the site; four bird species were probable breeders; 19 species were possible breeders; and the remaining 10 bird species were not believed to be breeding at Site 11. The most common bird species observed at Site 11 during the 2010-2111 breeding surveys included the northern rough-winged swallow (*Stelgidopterys serripennis*), barn swallow, American robin, European starling, cedar waxwing, indigo bunting, brown-headed cowbird, house finch, and the American goldfinch.

Eight species of mammals were identified at Site 11 (**Table C15**). The dominant mammalian species at the Lemont WRP was the white-footed mouse.

4.2.3 Solids Processing Areas (Sites 14 and 20)

During the 2010 and 2011 field surveys, a total of 251 plant and animal species were identified at sites located at two District solids processing areas. One hundred and fifty plants, 16 dragonflies, seven damselflies, 12 butterflies, two amphibians, three reptiles, 50 birds, and 11 mammals were observed at the solids processing areas (**Tables C16 and C17**).

4.2.3.1 Site 14: Calumet West Solids Drying Area

One hundred and five species of vascular plants were identified at Site 14 (**Table C16**). Eighty-one of the species are native plants. Dominant vegetation at the emergent wetland area on the Calumet West solids drying site included the common reed. The major vegetation observed at the scrub/shrub area was common buckthorn, white mulberry, and eastern cottonwood.

Fifteen dragonfly species and four damselfly species were observed at Site 14 (**Table C16**). The most common Odonate species at the Calumet West solids drying area were the double-striped bluet damselfly (*Enallagma basidens*), widow skimmer dragonfly, blue dasher dragonfly, common pondhawk dragonfly, and the calico pennant dragonfly (*Celithemis elisa*). The total number of Odonates at Site 14 was 517.



Calico pennant dragonfly

Twelve species of butterflies were observed at Site 14 (**Table C16**). A total of 44 butterflies were observed during the field surveys. The dominant butterfly at the Calumet West drying area was the monarch.

One amphibian and two reptile species were identified at Site 14 (**Table C16**). The amphibian and the two reptile species at the Calumet West solids drying area were the bullfrog, midland painted turtle, and the plains garter snake.

Twenty-eight bird species were observed at Site 14 (**Table C16**). Twenty-seven species were actively using the site at the Calumet West solids drying area. The American robin, European starling, and the common yellowthroat were confirmed breeders at the site; three bird species were probable breeders; 16 species were possible breeders; and the remaining six bird species were not believed to be breeding at Site 14. The most common bird species observed at Site 14 during the 2010-2111 breeding surveys included the American robin, gray catbird, European starling, common yellowthroat, indigo bunting, red-winged blackbird, and the American goldfinch.

Nine species of mammals were identified at Site 14 (**Table C16**). The dominant mammalian species at the Calumet West solids drying area were the white-footed mouse and the meadow vole.

4.2.3.2 Site 20: Stony Island Solids Drying Area

Seventy-one species of vascular plants were identified at Site 20 (**Table C17**). Thirty-two of the species are native plants. Dominant vegetation at the emergent wetland was the common reed. The major vegetation observed at the deciduous forest included hackberry (*Celtis occidentalis*), white mulberry, wild plum (*Prunus americana*), and common buckthorn. The fallow field areas were dominated by Kentucky blue grass, Queen Anne's lace, field thistle (*Cirsium arvense*), common burdock, mugwort (*Artemisia vulgaris*), tall goldenrod, and tall fescue (*Festuca arundinacea*).

Eleven dragonfly species and five damselfly species were observed at Site 20 (**Table C17**). The most common Odonate species at the Stony Island solids drying area were the common green darner dragonfly, eastern forktail damselfly, familiar bluet damselfly, and black saddlebags dragonfly. The total number of Odonates at Site 20 was 377.

Two species of butterflies were observed at Site 20 (**Table C17**). A total of 14 butterflies were observed during the field surveys. The dominant butterflies at the Stony Island solids drying area were the cabbage white and the pearl crescent.

One amphibian and two reptile species were identified at Site 20 (**Table C17**). The amphibian and the two reptile species at



Tiger salamander

the Stony Island solids drying area were the tiger salamander (*Ambystoma tigrinum*), midland painted turtle, and the common snapping turtle.

Forty-seven bird species were observed at Site 20 (**Table C17**). Forty-four species were actively using the site at the Stony Island solids drying area. Eleven species were confirmed breeders at the site; ten bird species were probable breeders; 18 species were possible breeders; and the remaining eight bird species were not believed to be breeding at Site 14. Two Illinois endangered bird species, the common moorhen (*Gallinula chloropus*) and the black-crowned night-heron were observed at Site 20. The most common bird species observed at Site 20 during the 2010-2111 breeding surveys included the wood duck (*Aix sponsa*), mourning dove, tree swallow, northern rough-winged swallow, American robin, European starling, cedar waxwing, yellow warbler, song sparrow, red-winged blackbird, and the common grackle.

Nine species of mammals were identified at Site 20 (**Table C17**). The dominant mammalian species at the Stony Island solids drying area were the white-footed mouse and the meadow vole.

4.2.4 Flood Control Reservoirs (Sites 32, 40, 45, 49, and 53)

During the 2010 and 2011 field surveys, a total of 527 plant and animal species were identified at sites located at five District flood control reservoirs. Three hundred and forty-nine plants, 24 dragonflies, 21 damselflies, 25 butterflies, five amphibians, six reptiles, 83 birds, and 14 mammals were observed at the flood control reservoirs (**Tables C18-22**).

4.2.4.1 Site 32: Edward Howell Reservoir

Two hundred and twenty-six species of vascular plants were identified at Site 32 (**Table C18**). One hundred and fifty-four of the species are native plants. The dominant vegetation in the southwestern section of Site 32 was eastern cottonwood, silver maple (*Acer saccharium*), black cherry (*Prunus serotina*), and glossy buckthorn (*Rhamnus frangula*). The eastern section bordering the man-made Edward Howell Reservoir included Hungarian brome (*Bromus inermis*), tall fescue, Kentucky bluegrass, and foot trefoil (*Lotus corniculatus*). Dominant vegetation in the northwest section included eastern cottonwood, glossy buckthorn, staghorn sumac (*Rhus typhina*), tall fescue, tall goldenrod, and redtop. The major vegetation observed in a small native prairie remnant along the western section of Site 32 was big bluestem grass and tall goldenrod.

Thirteen dragonfly species and eleven damselfly species were observed at Site 32 (**Table C18**). The most common Odonate species at the Edward Howell Reservoir were the stream bluet damselfly, blue dasher dragonfly, and the common whitetail dragonfly. The total number of Odonates at Site 32 was 442.

Twelve species of butterflies were observed at Site 32 (**Table C18**). A total of 150 butterflies were observed during the field surveys. The dominant butterflies at the Edward Howell Reservoir were the orange sulfur, eastern-tailed blue, pearl crescent, and the cabbage white.

One amphibian and two reptile species were identified at Site 32 (**Table C18**). The amphibian and the two reptile species at the Edward Howell Reservoir were the American toad, spiny softshell turtle, and the common snapping turtle.

Forty-one bird species were observed at Site 32 (**Table C18**). Thirty-nine species were actively using the site at the Edward Howell Reservoir. Red-tailed hawk (*Buteo jamaicensis*), downy woodpecker, American robin, European starling, song sparrow, and the red-winged blackbird were confirmed breeders at the site;



Ruby meadowhawk dragonfly

two bird species were probable breeders; 27 species were possible breeders; and the remaining seven bird species were not believed to be breeding at Site 32. One Illinois endangered bird species, the black-crowned night-heron, was observed at Site 32. The most common bird species observed at Site 32 during the 2010-2111 breeding surveys included the Canada goose, American robin, gray catbird, European starling, yellow warbler, song sparrow, indigo bunting, red-winged blackbird, house finch, and the American goldfinch.

Nine species of mammals were identified at Site 32 (**Table C18**). The dominant mammalian species at the Edward Howell Reservoir were the white-footed mouse and the meadow vole.

4.2.4.2 Site 40: O'Hare Chicago Underflow Plan Reservoir

One hundred and thirty species of vascular plants were identified at Site 40 (**Table C19**). Seventy-five of the species are native plants. The dominant vegetation in the northwestern section of Site 40 was cut-leaved teasel (*Dipsacus laciniatus*), Kentucky bluegrass, white sweet clover, Queen Anne's lace, and tall fescue. Poison hemlock (*Conium maculatum*) bordered a ditch in the northeast section of Site 40. The major vegetation observed in scattered pockets of mesic woodland was eastern cottonwood and box elder. The dominant vegetation observed at the marsh surrounding the shallow pond included reed canary grass and hybrid cattail (*Typha x glauca*).

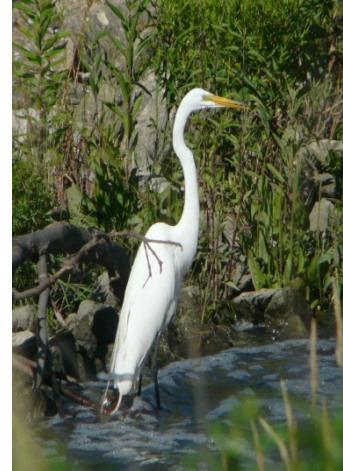
Eleven dragonfly species and eleven damselfly species were observed at Site 40 (**Table C19**). The most common Odonate species at the O'Hare CUP Reservoir were the eastern red damsel (*Amphiagrion saucium*), slender spreadwing damselfly (*Lestes rectangularis*), and the eastern fork-tail damselfly. The total number of Odonates at Site 40 was 781.

Six species of butterflies were observed at Site 40 (**Table C19**). A total of 56 butterflies were observed during the field surveys. The dominant butterflies at the O'Hare CUP Reservoir were the cabbage white and the summer azure.

One amphibian and one reptile were identified at Site 40 (**Table C19**). The amphibian and reptile species at the O'Hare CUP Reservoir were the American toad and the plains garter snake.

Forty-one bird species were observed at Site 40 (**Table C19**). Thirty-two species were actively using the site at the O'Hare CUP Reservoir. Wood duck, American woodcock, American robin, indigo bunting, red-winged blackbird, common grackle, and the Baltimore oriole were confirmed breeders at the site; five bird species were probable breeders; 19 species were possible breeders; and the remaining ten bird species were not believed to be breeding at Site 40. One Illinois threatened bird species, the peregrine falcon, was observed at Site 40. The most common bird species observed at Site 40 during the 2010-2111 breeding surveys included the mourning dove, willow flycatcher, American robin, cedar waxwing, yellow warbler, song sparrow, indigo bunting, red-winged blackbird, common grackle, brown-headed cowbird, Baltimore oriole, and the American goldfinch.

Six species of mammals were identified at Site 40 (**Table C19**). The dominant mammalian species at the O'Hare CUP Reservoir were the white-footed mouse and the meadow vole.



Great egret



Woodcock nest

4.2.4.3 Site 45: St. Michael Reservoir

One hundred and sixty-three species of vascular plants were identified at Site 45 (**Table C20**). One hundred and four of the species are native plants. The dominant vegetation in the fallow field area included Hungarian brome and Kentucky bluegrass. Reed canary grass, crested oval sedge (*Carex cristatella*), and brown fox sedge (*Carex vulpinoidea*) were the major plant species at Site 45 in the degraded sedge meadow interspersed between the fallow field and the marsh. The dominant vegetation in the marsh bordering the St. Michael Reservoir was the common cattail.

Twenty-two dragonfly species and eleven damselfly species were observed at Site 45 (**Table C20**). The most common Odonate species at the St. Michael Reservoir were the eastern forktail damselfly, ebony jewelwing damselfly (*Calopteryx maculata*), and the blue dasher dragonfly. The total number of Odonates at Site 45 was 821.

Thirteen species of butterflies were observed at Site 45 (**Table C20**). A total of 230 butterflies were observed during the field surveys. The dominant butterflies at the St. Michael Reservoir were the cabbage white and the orange sulfur.



Halloween pennant dragonfly

Four amphibians and four reptile species were identified at Site 45 (**Table C20**). The amphibian and reptile species at the St. Michael reservoir were the bullfrog, green frog, northern leopard frog, American toad, American alligator (*Alligator mississippiensis*), midland painted turtle, spiny softshell turtle, and the common snapping turtle.

Seventy-nine bird species were observed at Site 45 (**Table C20**). Forty-seven species were actively using the site at the St. Michael reservoir. Wood duck, warbling vireo, tree swallow, American robin, European starling, savannah sparrow (*Passerculus sandwichensis*), song sparrow, swamp sparrow (*Melospiza georgiana*), red-winged blackbird, bobolink (*Dolichonyx oryzivorus*), and the brown-headed cowbird were confirmed breeders at the site; twenty-three bird species were probable breeders; 11 species were possible breeders; and the remaining 35 bird species were not believed to be breeding at Site 45. Two Illinois endangered bird species, the black-crowned night-heron and the osprey (*Pandion haliaetus*) were observed at Site 45. The most common bird species observed at Site 45 during the 2010-2111 breeding surveys included the wood duck, mourning dove, tree swallow, barn swallow, marsh wren (*Cistothorus palustris*), American robin, European starling, cedar waxwing, common yellowthroat, savannah sparrow, song sparrow, dickcissel (*Spiza americana*), bobolink, red-winged blackbird, common grackle, and the American goldfinch.

Thirteen species of mammals were identified at Site 45 (**Table C20**). The dominant mammalian species at the St. Michael reservoir were the white-footed mouse, meadow vole, and the northern short-tailed shrew.

4.2.4.4 Site 49: Tinley Park Reservoir

One hundred and four species of vascular plants were identified at Site 49 (**Table C21**). Fifty-five of the species are native plants. The dominant vegetation surrounding the Tinley Park reservoir included green ash, box elder, reed canary grass, catnip (*Nepeta catarina*), musk thistle (*Cardus nutans*), and evening primrose (*Oenothera biennis*).

Seventeen dragonfly species and nine damselfly species were observed at Site 49 (**Table C21**). The most common Odonate species at the Tinley Park reservoir were the eastern forktail damselfly, the blue dasher dragonfly, the common green darner dragonfly, and the black saddlebags dragonfly. The total number of Odonates at Site 49 was 652.

Eight species of butterflies were observed at Site 49 (**Table C21**). A total of 102 butterflies were observed during the field surveys. The dominant butterfly at the Tinley Park reservoir was the cabbage white.

Three amphibians and five reptile species were identified at Site 49 (**Table C21**). The amphibians and reptile species at the Tinley Park reservoir were the bullfrog, American toad, tiger salamander, midland painted turtle, spiny softshell turtle, common snapping turtle, red-eared slider, and the plains garter snake.



American toad

Thirty-eight bird species were observed at Site 49 (**Table C21**). Thirty-four species were actively using the site at the Tinley Park reservoir. Mallard, blue-winged teal (*Anas discors*), American robin, cedar waxwing, song sparrow, common grackle, and the brown-headed cowbird were confirmed breeders at the site; four bird species were probable breeders; 18 species were possible breeders; and the remaining nine bird species were not believed to be breeding at Site 32. One Illinois endangered bird species, the black-crowned night-heron, was observed at Site 49. The most common bird species observed at Site 49 during the 2010-2111 breeding surveys included the mallard, mourning dove, barn swallow, American robin, European starling, cedar waxwing,, song sparrow, indigo bunting, red-winged blackbird, common grackle, brown-headed cowbird, house finch, and the American goldfinch.

Two species of mammals were identified at Site 49 (**Table C21**). The dominant mammalian specie at the Tinley Park Reservoir was the white-footed mouse.

4.2.4.5 Site 53: Dr. Mary Woodland Reservoir

One hundred and ten species of vascular plants were identified at Site 53 (**Table C22**). Sixty-eight of the species are native plants. Green ash, honey locust, honeysuckle, stickseed (*Hackelia virginiana*), tall goldenrod, common ragweed (*Ambrosia artemisiifolia elatior*), field thistle, late boneset, reed canary grass, and common reed were the dominant vegetation at the Dr. Mary Woodland Reservoir.

Thirteen dragonfly species and nine damselfly species were observed at Site 53 (**Table C22**). The most common Odonate species at the Dr. Mary Woodland Reservoir was the eastern fork-tail damselfly. The total number of Odonates at Site 53 was 260.

Twelve species of butterflies were observed at Site 53 (**Table C22**). A total of 168 butterflies were observed during the field surveys. The dominant butterflies at the Dr. Mary Woodland Reservoir were the pearl crescent, cabbage white, and the eastern-tailed blue.

Two amphibians were identified at Site 53 (**Table C22**). The amphibian species at the Dr. Mary Woodland Reservoir were the bullfrog and the American toad.

No reptile species were observed at Site 53 (**Table C22**).

Thirty-seven bird species were observed at Site 53 (**Table C22**). Thirty-five species were actively using the site at the Dr. Mary Woodland Reservoir. red-winged blackbird, brown-headed cowbird, orchard oriole (*Icterus spurius*), and the Baltimore oriole were confirmed breeders at the site; eight bird species were probable breeders; 23 species were possible breeders; and the remaining four bird species were not believed to be breeding at Site 53. The most common bird species observed at Site 53 during the 2010-2111 breeding surveys included the American robin, gray catbird, European starling, song sparrow, northern cardinal, red-winged blackbird, common grackle, brown-headed cowbird, orchard oriole, and the Baltimore oriole.

Eight species of mammals were identified at Site 53 (**Table C22**). The dominant mammalian species at the Dr. Mary Woodland reservoir was the white-footed mouse.

4.2.5 Supplemental Aeration Stations (Sites 54 and 57)

During the 2010 and 2011 field surveys, a total of 184 plant and animal species were identified at sites located at two District supplemental aeration stations. One hundred and two plants, 11 dragonflies, five damselflies, ten butterflies, one amphibian, two reptiles, 43 birds, and ten mammals were observed at the aeration stations (**Tables C23-24**).

4.2.5.1 Site 54: Sidestream Elevated Pool Aeration Station 1

Thirty-five species of vascular plants were identified at Site 54 (**Table C23**). Twenty-three of the species are native plants. Dominant vegetation in the floodplain forest included eastern cottonwood, white mulberry, sandbar willow (*Salix interior*), common buckthorn, Virginia creeper (*Parthenocissus quinquefolia*), garlic mustard, and narrow-leaved cattail (*Typha angustifolia*).

Eight dragonfly species and three damselfly species were observed at Site 54 (**Table C23**). The most common Odonate species at SEPA 1 was the eastern forktail damselfly. The total number of Odonates at Site 54 was 92.

Six species of butterflies were observed at Site 54 (**Table C23**). A total of 26 butterflies were observed during the field surveys. The dominant butterfly at SEPA 1 was the cabbage white.

One amphibian and two reptile species were identified at Site 54 (**Table C23**). The amphibian and reptile species at SEPA 1 were the bullfrog, midland painted turtle, and the northern water snake.

Thirty-four bird species were observed at Site 54 (**Table C23**). Thirty-two species were actively using the site at SEPA 1. The Canada goose, downy woodpecker, European starling, yellow warbler, and common grackle were confirmed breeders at the site; eight bird species were probable breeders; 17 species were possible breeders; and the remaining four bird species were not believed to be breeding at Site 54. Three Illinois endangered bird species, the little blue heron (*Egretta caerulea*), the black-crowned night-heron, and the yellow-crowned night-heron (*Nyctanassa violacea*), and one Illinois threatened bird species, the least bittern (*Ixobrychus exilis*), were observed at Site 54. The most common bird species observed at Site 54 during the 2010-2011 breeding surveys included the Canada goose, ring-billed gull, barn swallow, gray catbird, yellow warbler, red-winged blackbird, and the common grackle.



Northern water snake

Eight species of mammals were identified at Site 54 (**Table C23**). The dominant mammalian species at SEPA 1 was the white-footed mouse.

4.2.5.2 Site 57: Sidestream Elevated Pool Aeration Station 5

Eighty-five species of vascular plants were identified at Site 57 (**Table C24**). Fifty-four of the species are native plants. Dominant vegetation in the degraded deciduous forest/scrub/shrub area of Site 57 included green ash, eastern cottonwood, common buckthorn, and thicket creeper.

Eight dragonfly species and three damselfly species were observed at Site 57 (**Table C24**). The most common Odonate species at SEPA 5 was the common green darner dragonfly, the wandering glider

dragonfly (*Pantala flavescens*), and the black saddlebags dragonfly. The total number of Odonates at Site 57 was 73.

Eight species of butterflies were observed at Site 57 (**Table C24**). A total of 26 butterflies were observed during the field surveys. The dominant butterfly at SEPA 5 was the cabbage white.

No amphibians or reptile species were observed at Site 57 (**Table C24**).

Twenty-six bird species were observed at Site 57 (**Table C24**). Twenty-three species were actively using the site at SEPA 5. The osprey and the America robin were confirmed breeders at the site; 14 bird species were probable breeders; six species were possible breeders; and the remaining five bird species were not believed to be breeding at Site 57. One Illinois endangered bird species, the osprey, was observed at Site 57. The most common bird species observed at Site 57 during the 2010-11 breeding surveys included the black-capped chickadee, American robin, and the European starling.



Osprey on nest

Four species of mammals were identified at Site 57 (**Table C24**). The dominant mammalian species at the SEPA 5 was the white-footed mouse.

4.2.6 Pumping Station (Site 59)

During the 2010 and 2011 field surveys, a total of 163 plant and animal species were identified at a District pumping station. One hundred plants, ten dragonflies, eight damselflies, nine butterflies, no amphibians, no reptiles, 24 birds, and 12 mammals were observed at the pumping station (**Table C25**).

4.2.6.1 Site 59: Mainstream TARP Pumping Station

One hundred species of vascular plants were identified at Site 59 (**Table C25**). Fifty-four of the species are native plants. Dominant vegetation in the scrub/shrub area included honey locust, green ash, white mulberry, common buckthorn, and garlic mustard. The major vegetation observed on the restored native prairie at the TARP pumping station was Canada wildrye, tall goldenrod, and common bergamot.

Ten dragonfly species and eight damselfly species were observed at Site 59 (**Table C25**). The most common Odonate species at the TARP pumping station were the blue-fronted dancer damselfly, the blue-tipped dancer damselfly, and the common green darner dragonfly. The total number of Odonates at Site 59 was 192.

Nine species of butterflies were observed at Site 59 (**Table C25**). A total of 38 butterflies were observed during the field surveys. The dominant butterfly at the TARP pumping station was pearl crescent.

No amphibian or reptile species were identified at Site 59 (**Table C25**).

Twenty-four bird species were observed at Site 59 (**Table C25**). Twenty species were actively using the site at the TARP pumping station. The indigo bunting was a confirmed breeder at the site; three bird species were probable breeders; 16 species were possible breeders; and the remaining four bird species were not believed to be breeding at Site 59. The most common bird species observed at Site 59 during the 2010-2111 breeding surveys included the American robin, European starling, cedar waxwing, indigo bunting, red-winged blackbird, and the American goldfinch.

Twelve species of mammals were identified at Site 59 (**Table C25**). The dominant mammalian species at the TARP pumping station were the white-footed mouse and the prairie vole.



Coyote

Section 5 Discussion

5.1 Terrestrial Habitat

Historically before the early European settlers, the terrestrial habitats in northeastern Illinois were dominated with prairies, oak savannahs, woodlands, marshes, and sedge meadows (Chicago Wilderness Alliance, 2011). The dramatic transformation of the landscape by humans to agriculture and urban cities and towns resulted in the substantial loss of physical habitat for plants and animals, extinction of many native species, and the degradation of rivers and streams. As a result of the habitat loss, the severe fragmentation of the landscape has produced isolation of the remaining plant and animal species. Fragmentation has a severe negative impact on native plant and animal species (Saunders and others, 1991).

Almost all of the terrestrial habitats on District's properties have been altered through pollution control activities (collection and treatment of wastewater, biosolids processing, and flood control) or as a result of past agricultural practices. Recommendations to manage and enhance terrestrial habitats on District properties are provided at the conclusion of the report.

The varied landscapes on District properties are the foundation that supports biodiversity. The structure, composition, and distribution of the plant and animal communities are substantially affected by the character of the terrestrial habitats.

The dominant terrestrial habitats observed at the 25 sites on District properties included disturbed woodlands/forests, scrub/shrub plants, and fallow fields. Limited degraded sedge meadows occurred at Sites 2, 5, 8, 40, and 45. Small areas of degraded native prairie remnants were located on Sites 4A, 4C, 5, and 32. Native prairie landscapes were restored at Sites 7, 8, and 11. Numerous non-native invasive plant species (common buckthorn, common reed, common teasel, garlic mustard, multiflora rose, and purple loosestrife) observed throughout the study area have degraded much of the native vegetative quality on many of the property sites. Special attention to the eradication of invasive plant species is discussed at the conclusion of this report.

5.2 Biodiversity

Nine hundred and eleven plant and animal species were identified during the 2010 and 2011 field surveys conducted at the 25 District properties (**Tables B1-8**). The mean number of species observed for the 25 sites was 197. Plants and birds were the dominant taxon observed at all 25 sites (**Table 3**). A total of 588 species of vascular plants (**Table B1**), 29 dragonflies (**Table B2**), 26 damselflies (**Table B3**), 29 butterflies (**Table B4**), 6 amphibians (**Table B5**), 12 reptiles (**Table B6**), 198 birds (**Table B7**), and 23 mammals (**Table B8**) were identified during the study. It should be noted that seven species of bats identified during a 2006 and 2007 survey in Cook County (Hofmann and others, 2008) most likely occur on District properties. The mean number of plants, dragonflies, damselflies, butterflies, amphibians, reptiles, birds, and mammals for the 25 sites was 121, 11, 6, 8, 1, 2, 41, and 7, respectively.

Vascular plants with a high C-value (8-10) occur in landscapes relatively unaltered and are specialized in their ecological requirements (Swink and Wilhelm, 1994). Forty-four (44) plant species identified on District properties had a C-value of ≥ 8 . Some notable high quality plant species observed during the field surveys that had a C-value of 10 included bent grass, black ash, common juniper, crowfoot fox sedge, fen star sedge, fragrant sumac, paper birch, prairie dropseed, redbud, richweed, rough bedstraw, shrubby cinquefoil, silky aster, and small bedstraw. Two or more plants with a C-value equal or greater than 8 were observed at Sites 1A, 2, 3A, 3B, 5, 7, 8, 11, 32, 45, 49, 53, and 59 (**Table 4**). The mean C-value for the 25 sites was 2.7. The C-values ranged from 0.9 at Site 10 (Calumet WRP) to 4.0 at Site 2 on the North Shore Channel (**Table 4**). Areas with a FQI value higher than 35 denotes adequate conservatism and species richness such that the site is considered floristically important (Wilhelm and Masters, 2001). The mean FQI value for the 25 sites was 23.1. Eighty-eight percent of the sites had a FQI value of less than 35 (**Table 4**). Three sites on District properties (2, 5, and 32) had a FQI value greater than 35. Overall, the C and FQI values indicate that the composition of the plant community on the 25 District sites was moderate in quality.



Butterfly weed with monarch butterfly

A number of common, generalist species occurred at the majority of the 25 sites (American goldfinch, American robin, box elder, cabbage white, common buckthorn, common green darner, eastern forktail, green ash, northern cardinal, raccoon, red admiral, and white-footed mouse). Many of the common plant and animal species observed at the 25 sites during the field surveys are considered habitat generalists because of their very broad preference and tolerance for a variety of terrestrial habitats.

The total number of plant and animals observed at the 25 sites on District properties ranged from a low of 97 species at Site 54 (SEPA Station 1) to a high of 315 species at Site 32 (Edward Howell Reservoir). The highest number of plants (226), dragonflies (22), damselflies (14), butterflies (15), amphibians (four), reptiles (five), birds (131), and mammals (13) were observed at Site 32 (Edward Howell Reservoir), Site 45 (St. Michael Reservoir), Site 3A (Chicago Sanitary and Ship Canal), Site 4B (Calumet-Sag Channel), Site 45 (St. Michael Reservoir), Site 49 (Tinley Park Reservoir), Site 10 (Calumet WRP), and Site 45 (St. Michael Reservoir), respectively. The high number of plant and animal species observed at Site 32 resulted from varied landscapes including a degraded forest, scrub/shrub habitat, fallow field, native prairie remnants, emergent wetland, sedge meadow, and a reservoir.

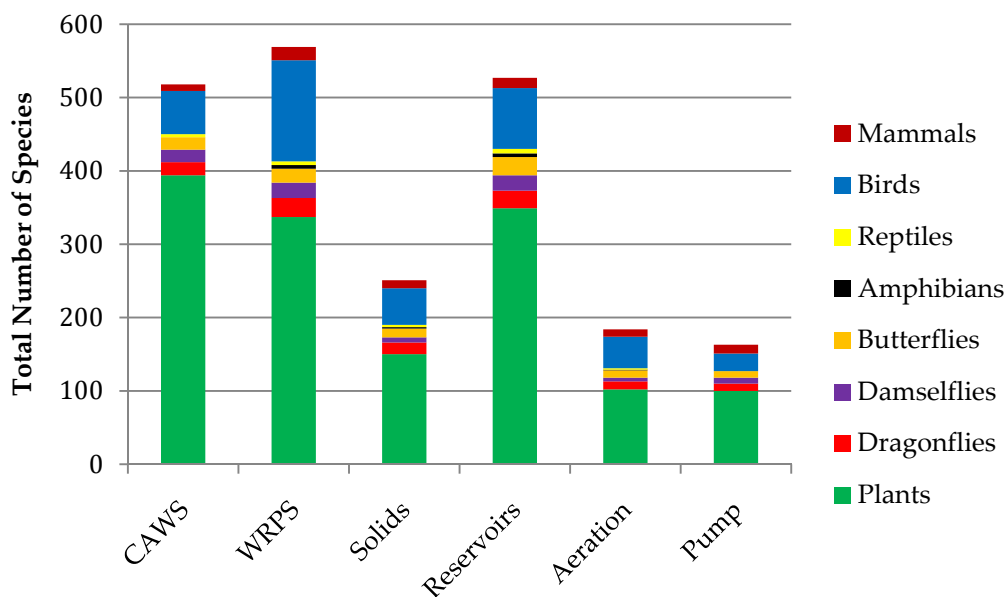
TABLE 4. Vascular Plant Community Indices for the 25 District Properties

Site Number	C-Value	Number of Species with C-Value ≥ 8	FQI Value
1A	3.0	5	22.6
1B	2.3	0	18.4
2	4.0	12	40.0
3A	2.9	2	33.4
3B	3.1	3	32.2
4A	2.8	1	25.7
4B	2.2	0	7.8
4C	3.4	1	30.2
5	3.3	7	36.7
6	2.5	1	22.0

Site Number	C-Value	Number of Species with C-Value ≥ 8	FQI Value
7	3.1	4	24.0
8	2.9	3	25.9
9	2.1	0	16.9
10	0.9	0	4.4
11	2.5	2	21.1
14	2.8	0	24.8
20	1.7	1	9.4
32	3.2	7	39.9
40	2.7	0	23.8
45	2.9	3	29.7
49	2.5	3	18.5
53	2.6	2	21.3
54	1.9	0	9.0
57	2.6	0	19.1
59	2.8	3	20.5

The total number of species in the eight taxonomic groups identified from the riparian areas along the CAWS, and at WRPs, solids processing areas, flood control reservoirs, supplemental aeration stations, and a TARP pumping station are shown in **Figure 2**. The highest number of plants and animals were observed at the seven WRPs (569 species), followed by the five flood control reservoirs (527 species), eight riparian areas along the CAWS (518 species), two solids processing areas (251 species), two supplemental aeration stations (184 species), and one TARP pumping station (163 species).

FIGURE 2. Comparison of the Total Number of Plant and Animal Species Observed at Six Facilities on District Properties



The species richness and abundance of plants and animals in urban areas is directly related to the extent and type of terrestrial habitats available. Healthy, natural biotic communities include multiple species from a number of taxonomic groups. A natural plant and animal community is described as degraded if it has been severely disturbed and has not recovered significantly. The degraded community has been so heavily disturbed that its ecological structure and function has been severely altered and the original natural community has been virtually removed and replaced with tolerant species.

Overall, the biodiversity at the 25 sites surveyed ranged from excellent to poor with some properties with rich species diversity (Edward Howell Reservoir, St. Michael Reservoir, Chicago Sanitary and Ship Canal Site 3A, and Hanover Park WRP). The biotic integrity observed at most of the District sites was moderate to poor. Much of the terrestrial landscape on District properties has been severely altered over the years resulting in a substantial loss of species diversity of native plants and animals. Even though the biological diversity on District properties was less than has been observed during field surveys in other areas in northeastern Illinois, the diversity of plants and animals at the 25 sites is encouraging. Restoration and improved land management of District properties described at the conclusion of this report can result in an increase in the number and abundance of native plant and animal species and the removal of invasive plant species.

5.3 Threatened and Endangered Species

Four hundred and eighty-three terrestrial and aquatic plant and animal species have been designated as either endangered or threatened in the State of Illinois (Illinois Endangered Species Protection Board, 2009). The species list includes amphibians, birds, fishes, invertebrates, mammals, plants, and reptiles. Eighty percent of the endangered and threatened species are plants and invertebrates. One hundred and seven of the endangered and threatened plant and animal species are found in Cook County, Illinois.

No state/federal endangered or threatened plant, damselfly, amphibian, reptile, or mammal species were observed during the 2010 and 2011 field surveys at the 25 District properties. A summary of the endangered and threatened animal species observed on District properties are shown in **Table 5**.

The federally endangered Hine's Emerald dragonfly was observed at Site 11, Lemont WRP. The dragonfly was observed in flight. During the field survey, no breeding activities were monitored for the Hine's Emerald dragonfly. Reproducing populations for the Hine's Emerald dragonfly are a short distance from Site 11 (Stettner, personal communication).

Four dragonfly species (band-winged meadowhawk, comet darter, dot-tailed whiteface and the unicorn clubtail), and two damselflies (emerald spreadwing and tule bluet) observed during the field surveys on District properties are considered rare/uncommon or imperiled in the State of Illinois.

It should be noted that the common map turtle, spiny softshell turtle, and the northern cricket frog collected on several District properties have not been observed in Cook County since 1980 (Carmichael, personal communication). The common map turtle was collected at Sites 1B and 3B, the spiny softshell turtle at Sites 1B, 32, 45, and 49, and the northern cricket frog at Site 11.



Hine's emerald dragonfly – U.S. Fish and Wildlife Service

TABLE 5. Endangered (E) and Threatened (T) Animal Species Observed on District Properties

Common Name	E/T	Site(s) Observed
American bittern	E	7
Black-billed cuckoo	T	4B
Black-crowned night-heron	E	5, 10, 20, 32, 45, 49, 54
Common moorhen	E	20
Forster's tern	E	10
Hine's emerald dragonfly	E	11
Least bittern	T	54
Little blue heron	E	54
Osprey	E	45, 57
Peregrine falcon	T	10
Wilson's phalarope	E	10
Yellow-crowned night-heron	E	54

Eight Illinois endangered bird species and three Illinois threatened bird species were observed on District properties during the 2010-2011 study periods (**Table 5**). Most notable of the endangered bird species were a pair of ospreys nesting on an electric power transmission tower along the Chicago Sanitary and Ship Canal at Site 57 (SEPA 5), and the relatively large numbers of black-crowned night-herons that were regularly observed along the North Shore Channel, North Branch of the Chicago River, and the Chicago Sanitary and Ship Canal.

Four mammal species (American mink, long-tailed weasel, prairie vole, and thirteen-lined ground squirrel) observed on District properties during the field surveys are considered uncommon species in the State of Illinois. A deer mouse monitored at Site 4A along the Calumet-Sag Channel is rarely observed in Illinois.

5.4 Effects of Improved Water Quality on Terrestrial Biological Community

Substantial improvements in the aquatic biological community in the CAWS over the past thirty years have been attributable to enhancements in the treatment of wastes at District water reclamation plants (Polls and others, 1998). The results of the current field surveys of District properties show a large number of terrestrial plant and animal species. A confounding issue is whether there is a direct relationship between improved water quality in the CAWS and the biodiversity on District properties.

Even though the results of the current field surveys show a sizeable number of terrestrial plant and animal species on District properties, it is problematic to relate the biodiversity and distribution of plants and animals on the terrestrial landscape (25 sites) to improvements in water quality in the aquatic habitat (CAWS). Regrettably, there were no biological field surveys previously conducted on District properties. Without historical data for comparison, it is not possible to directly relate the current plant and animal communities on District properties with improved water quality in the CAWS. It is apparent that many of the terrestrial taxa identified during the field surveys depend on water-based food sources. Nevertheless, there are some examples of specific biota and animal feeding relationships (food web) that may show a relationship with improved water quality in the CAWS and the terrestrial biota on District properties.

The common map turtle was observed at Site 1B along the riparian habitat in the North Shore Channel and Site 3B along the riparian corridor in the Chicago Sanitary and Ship Canal. The species has not been observed in Cook and Lake Counties prior to 1980 (Carmichael, personal communication). Adult common

map turtles prey on mollusks and favor terrestrial woodlands for basking (Bodie, 2001). The forest habitat maintain the integrity of the banks of riparian habitats with thick, stabilizing roots, thus reducing erosion and siltation and may reduce chemical pollutants from surface runoff. The root systems of the trees also penetrate the aquatic substrate providing habitat for overwintering turtles (Ernst and others, 1994). Chemical water quality improvements in the North Shore Channel and the Chicago Sanitary and Ship Canal may be one of the ecological factors for sustaining a healthy population of common map turtles in the CAWS.

Historically, periodic observations of the bird population along the CAWS have shown a small number of shorebirds (Polls, personal communication). The current field data show a large number of shorebirds, waders, and herons residing along the CAWS, especially in the North Shore Channel, North Branch of the Chicago River, and the Chicago Sanitary and Ship Canal. The primary diet for many shorebirds is aquatic organisms. The improved water quality in the CAWS over the years has resulted in an increased abundance and diversity of fish and aquatic invertebrates (Dennison and others, 1998). The apparent increase in the shorebird population may have resulted from the increase in the number and diversity of fish and aquatic invertebrates in the CAWS.

The Northern Water Snake has not been observed in northeastern Illinois in over 40 years (Carmichael, personal communication). During the current study, CDM Team members who periodically traveled by boat in the CAWS observed populations of the Northern Water Snake swimming in the water and lying on the limestone structural retaining walls along reaches of the Chicago Sanitary and Ship Canal upstream from the junction with the Calumet-Sag Channel. The diet of the Northern Water Snake includes native and invasive fish species and amphibians. As previously noted, the abundance of fish in the Chicago Sanitary and Ship Canal has increased in diversity and abundance over the years resulting from water quality improvements. The additional source of food may account for the presence of a healthy population of the Northern Water Snake in the Chicago Sanitary and Ship Canal.

5.5 Ecological Restoration and Management of District Properties

Natural, undisturbed habitats are more beneficial and valued than disturbed areas for sustaining plant and animal populations and species diversity. Habitat changes, pollution, exploitation of natural resources, invasive species, and climate change are five fundamental elements that cause a reduction in biodiversity. Over the years, many of the urban landscapes and ecosystems in Cook County have been lost and have undergone significant degradation with negative impacts on biological diversity.

Restoration is a corrective step that involves the elimination or modification of ecological degradation and the re-establishment of natural ecological processes. Successful ecosystem restoration includes restoring natural ecological processes, restocking lost species of plants and animals, and maintaining ecological integrity. Common restoration processes include: assessment of changes in surface hydrology; removal of non-native, invasive plant and animal species; thinning of native trees; collection and dispersal of native seeds; introduction of indigenous, native species not present in landscape; and controlled, prescribed landscape burns (Chicago Wilderness Alliance, 2011). The following will provide general and specific recommendations for the preservation, protection, and enhancement of biological diversity on District properties.

- Broad scale landscape habitat management activities such as prescribed burns, periodic mowing of grasses and removal of invasive plant species will maintain the structural characteristics of ecosystems and resources of value to native wildlife.

- Partnering with the Cook County Forest Preserve District to improve land management of natural/undisturbed areas on District properties.
- Particular attention should be made to preserving the remaining limited, undisturbed areas (remnant prairies, sedge meadows).
- Suspending the removal of dead trees will provide additional habitat for a number of terrestrial animals (reptiles, birds, and mammals).
- Herbicide and pesticide applications should be limited to spot applications rather than large scale treatments to reduce toxicity to native plants and animals.
- Establishment of butterfly gardens will substantially increase the abundance and diversity of butterflies.
- Abundance and diversity of amphibians and reptiles will increase by reducing the frequency of grass mowing especially in edge habitat areas where grasslands are in close proximity to riparian environments. The minimum height of grasses should be 12 inches.
- Discourage feeding of free-roaming domestic cats. Establishment of a trapping and neutering program to reduce the transmission of disease from feral cats to reptiles, birds, and mammals.
- Removal of non-native, invasive species (common buckthorn, thistle) at numerous sites will improve the biodiversity of the plant and animal communities.
- Physical removal of the invasive shrub, common Reed, and re-establishment of native wetland plant species at Sites 9, 10, 11, 14, 20, 32, 40, 45, 49, and 54.
- Removal and clearing of invasive shrubs followed by seeding with floodplain grasses will assist in the establishment of a floodplain forest plant community at Sites 1A, 1B, 3A, and 3B.
- Controlled prescribed burns on native prairie landscape restoration areas at Sites 5, 6, 7, 8, 9, 10, and 11 should be limited to periods when amphibians and reptiles are hibernating. The prescribed burns will enhance the vigor and vitality of the native prairie restoration areas.
- Spot herbicide treatment in remnant prairie followed by a prescribed burn at Site 5.
- Limit vehicle access to remnant prairie area at Site 5.
- Herbicide treatment of fallow field and spot treatment of Brick Lake at Site 9 to remove non-native plant species followed by seeding of native prairie and wet meadow plants.
- Cut back woody vegetation and spot treatment with herbicide to remove woody plants in remnant prairie areas at Sites 4A, 4C, 32, and 57.
- Shorebird community will benefit by implementing a seasonal water level management plan in Dead Stick Pond at Site 20.



Native prairie restoration

- Cutting and herbicide application to stumps of all trees and shrubs at Site 32A will enhance wet prairie species.
- Suspend grass mowing at Sites 32 and 45 during the months of April through July to allow populations of grassland birds to build nests and successfully breed.
- Suspending the thinning and removal of tall, dead cottonwood trees at Site 32 to allow nesting of the declining population of red-headed woodpeckers.
- Shrub-nesting species of birds (willow flycatchers) will greatly benefit from the preservation and expansion of existing thickets of Sandbar Willow at Sites 5, 6, 9, 10, 14, 20, 32, 40, 45, and 49.

5.6 Future Monitoring Activities

A principal element of biological communities is their variability in terms of diversity and abundance. One of the significant issues faced by field ecologists when assessing the population of plants and animals is the frequency of monitoring. Although a number of plant and animal species were observed during the field surveys, it is possible that other species were missed. In order to supplement and strengthen the field assessment of biological communities on District properties, the following future field monitoring activities are recommended.

- Conduct annual (mid-summer) vegetative inventories for all areas to be actively managed and restored over a five-year period.
- Turtle trappings and meandering surveys from June through September at Sites 1B and 3B.
- Frog call surveys, meandering surveys, and cover board sampling during the periods April-May and August-September at Site 11B.
- Frequent turtle trappings, drift fences, meandering surveys, cover board sampling, and frog calling surveys from April through September at Sites 45 and 49.
- A weekly monitoring of the bird population from early April through late October at Site 45.
- Aquatic habitat monitoring along the CAWS for muskrat, beaver, mink, and river otter.

Section 6

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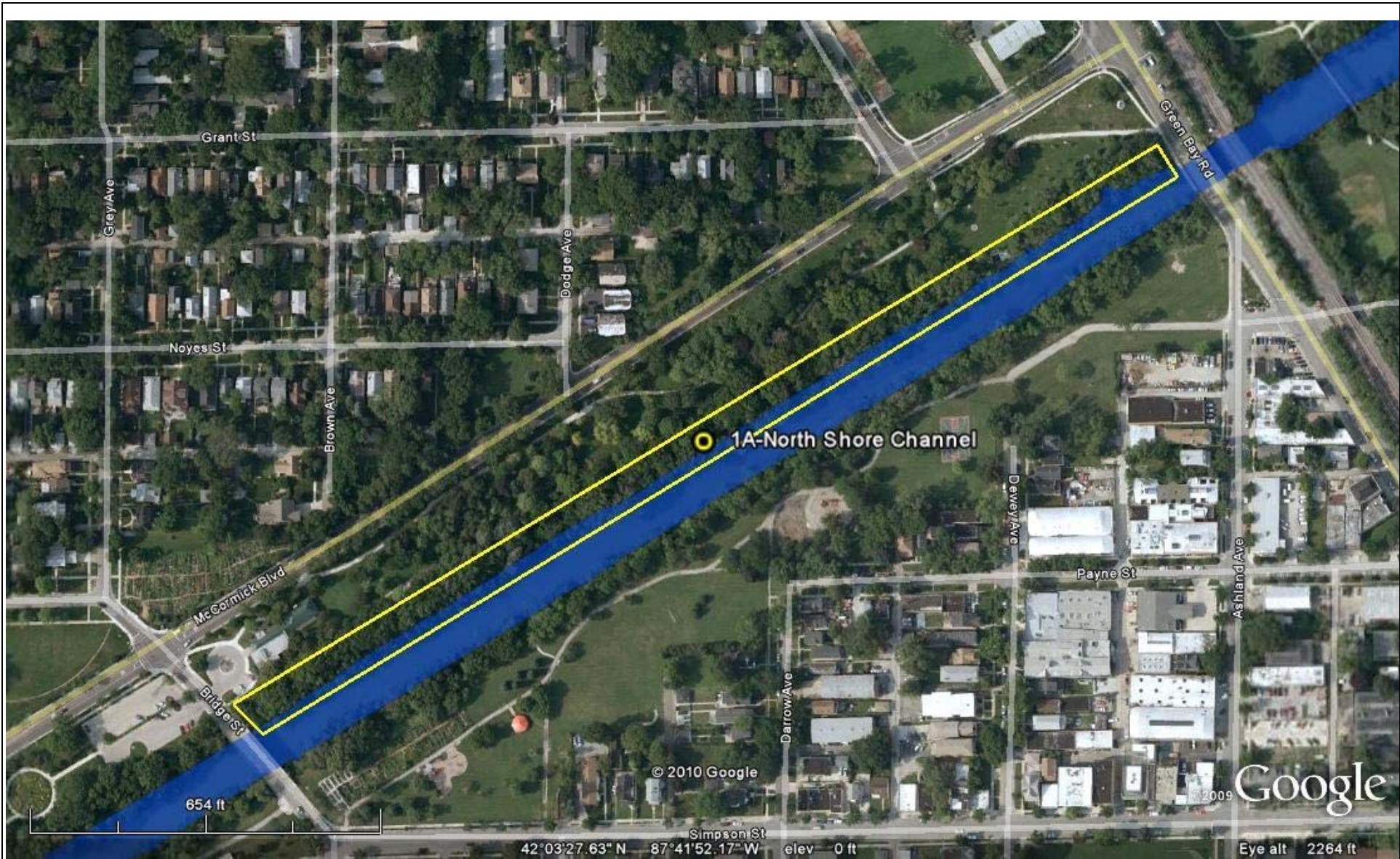
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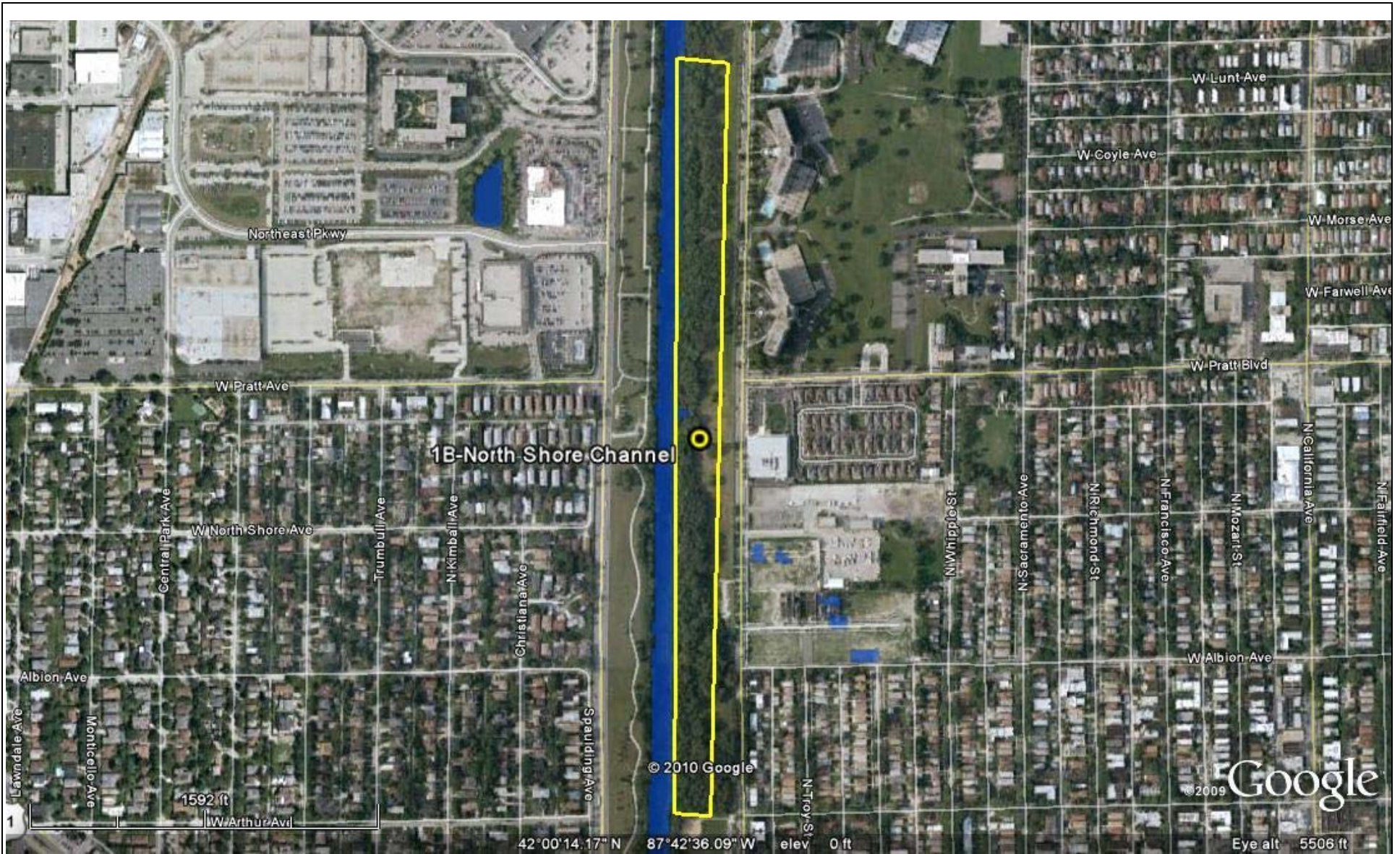
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Figures



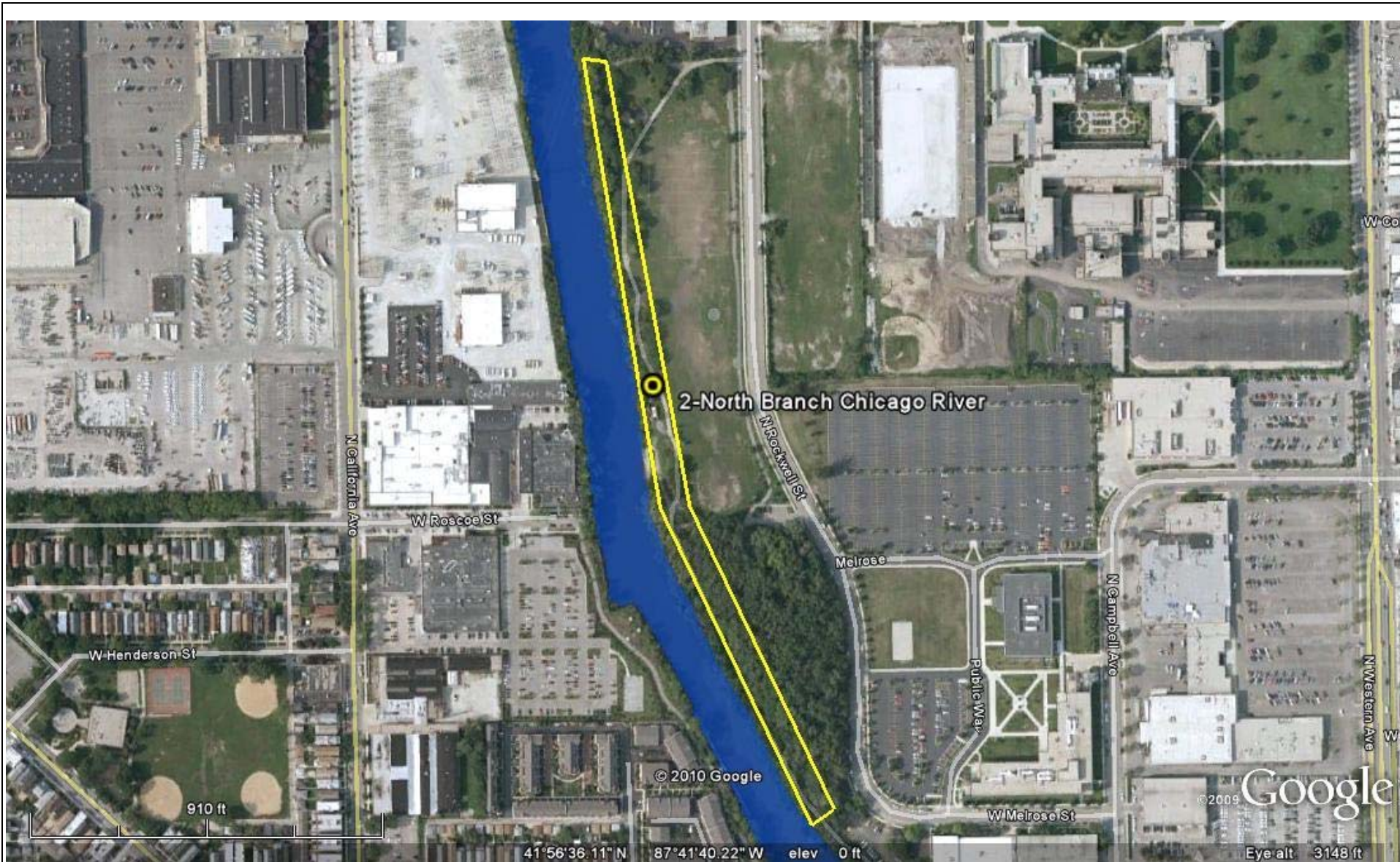
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- 5A – Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-1
Map of Site 1A, North Shore Channel
Metropolitan Water Reclamation
District of Greater Chicago



- 5 – Location
- 5A – Sub-Site Location
- (Red line) – Site Boundary
- (Yellow line) – Survey Boundary

Figure A-2
Map of Site 1B, North Shore Channel
Metropolitan Water Reclamation
District of Greater Chicago



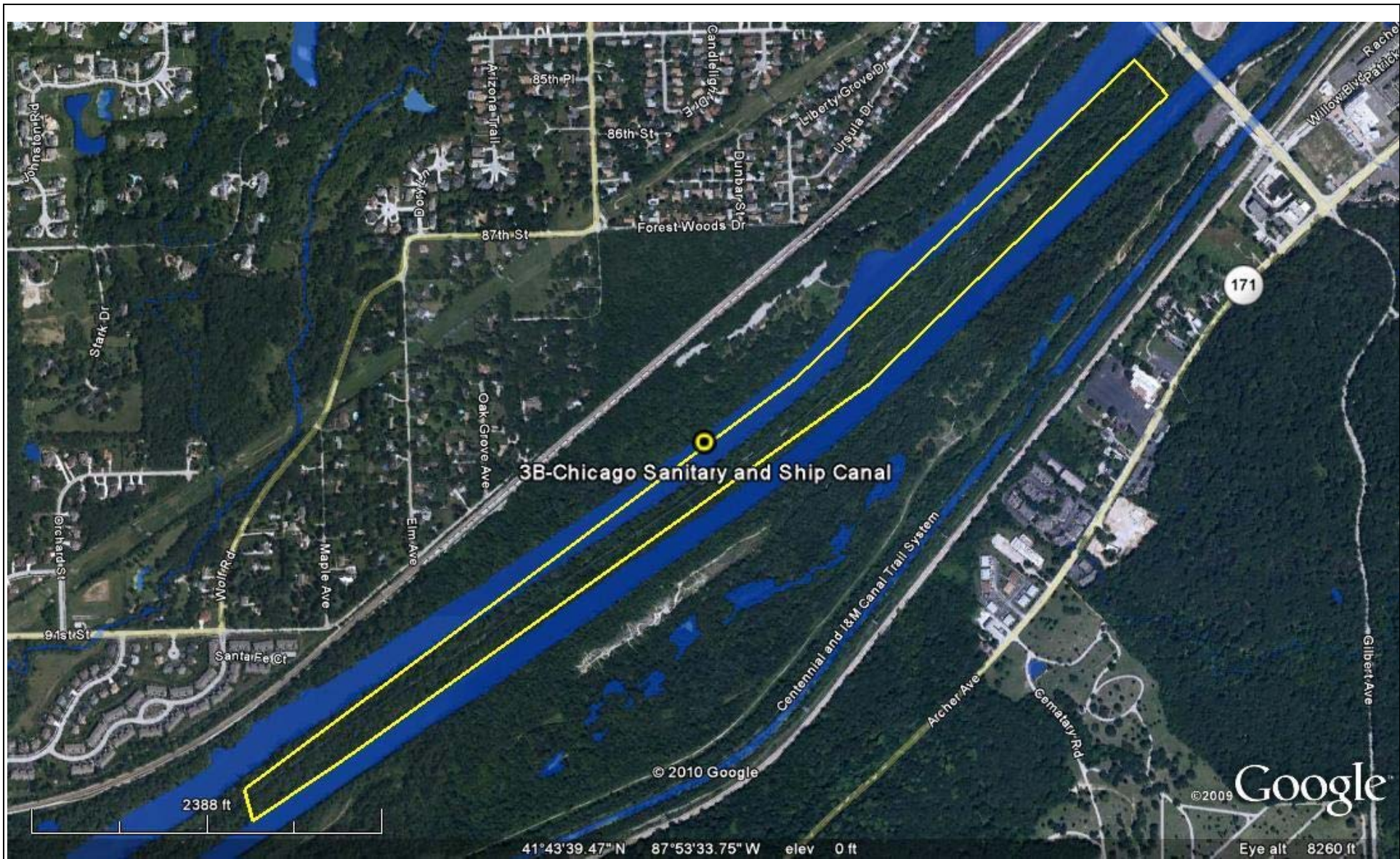
- 5 – Location
- 5A – Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-3
Map of Site 2, North Shore Channel
Metropolitan Water Reclamation
District of Greater Chicago



- 5 – Location
- 5A – Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-4
Map of Site 3A, Chicago Sanitary and Ship Canal
Metropolitan Water Reclamation
District of Greater Chicago



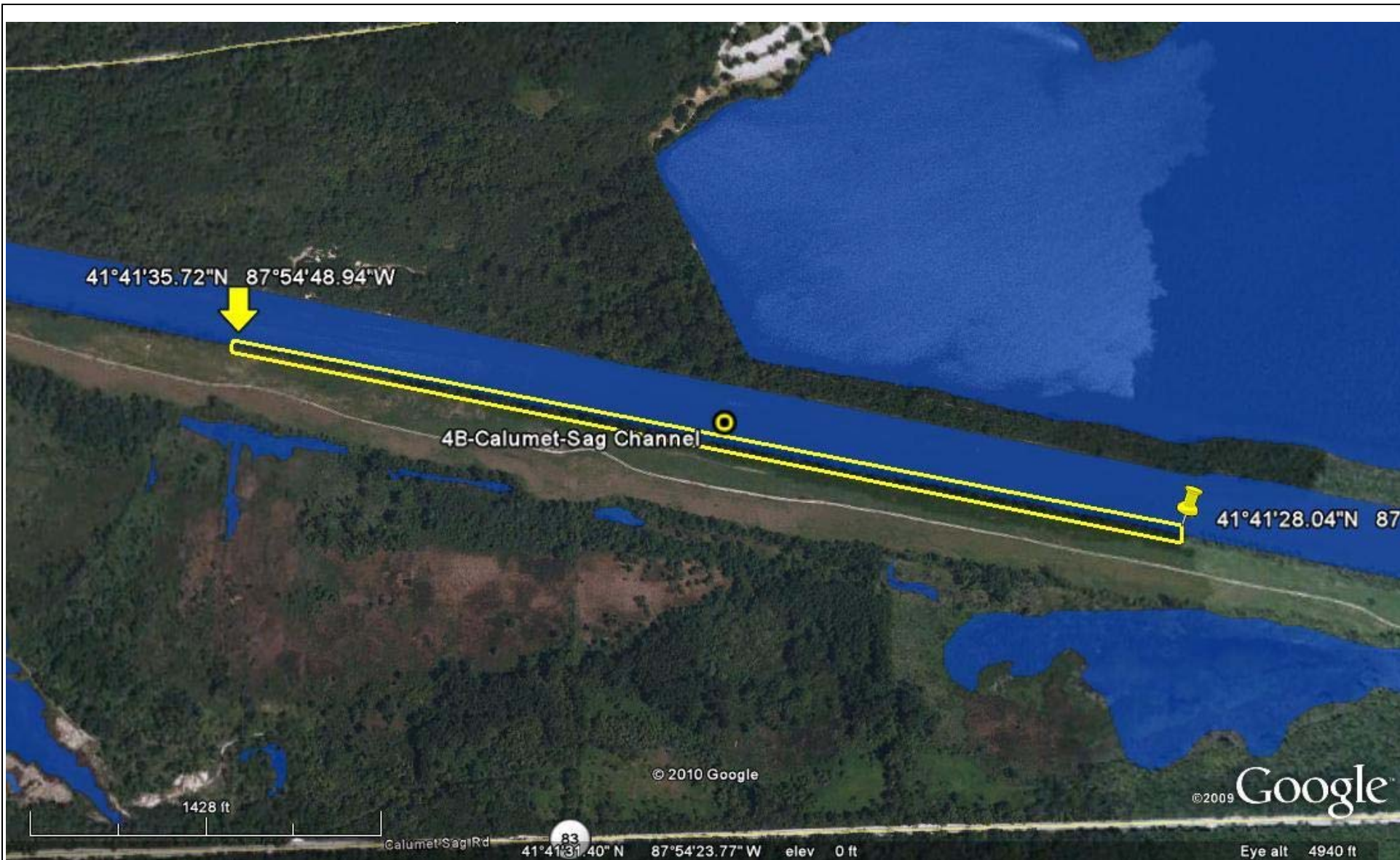
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- Site Boundary
- Survey Boundary

Figure A-5
Map of Site 3B, Chicago Sanitary and Ship Canal
Metropolitan Water Reclamation
District of Greater Chicago



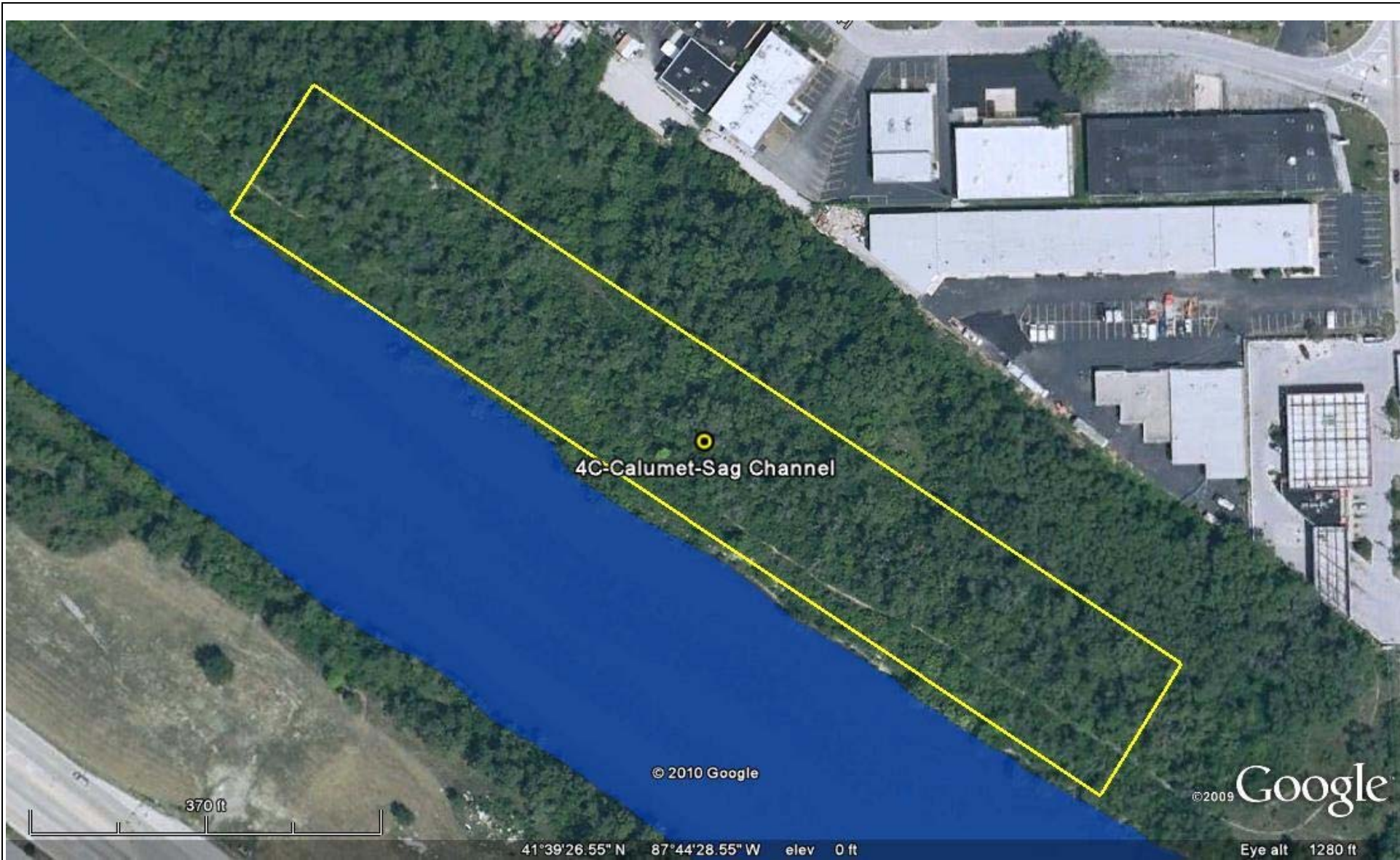
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- 5A – Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-6
Map of Site 4A, Calumet-Sag Channel
Metropolitan Water Reclamation
District of Greater Chicago



- 5 – Location
- 5A – Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-7
Map of Site 4B, Calumet-Sag Channel
Metropolitan Water Reclamation
District of Greater Chicago



- 5 – Location
- 5A – Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-8
Map of Site 4C, Calumet-Sag Channel
Metropolitan Water Reclamation
District of Greater Chicago



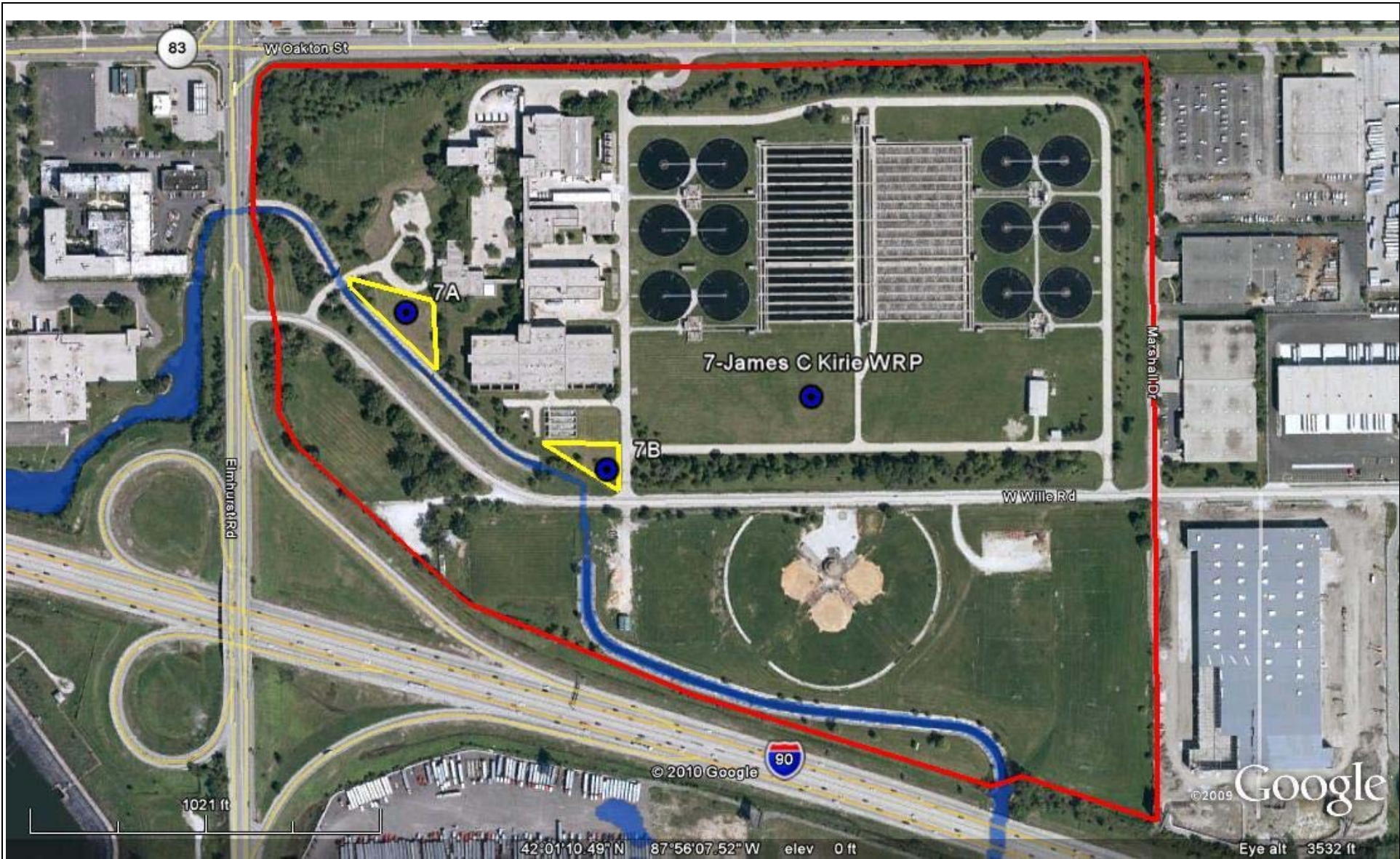
- 5 – Location
- 5A – Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-9
Map of Site 5, Hanover Park WRP
Metropolitan Water Reclamation
District of Greater Chicago



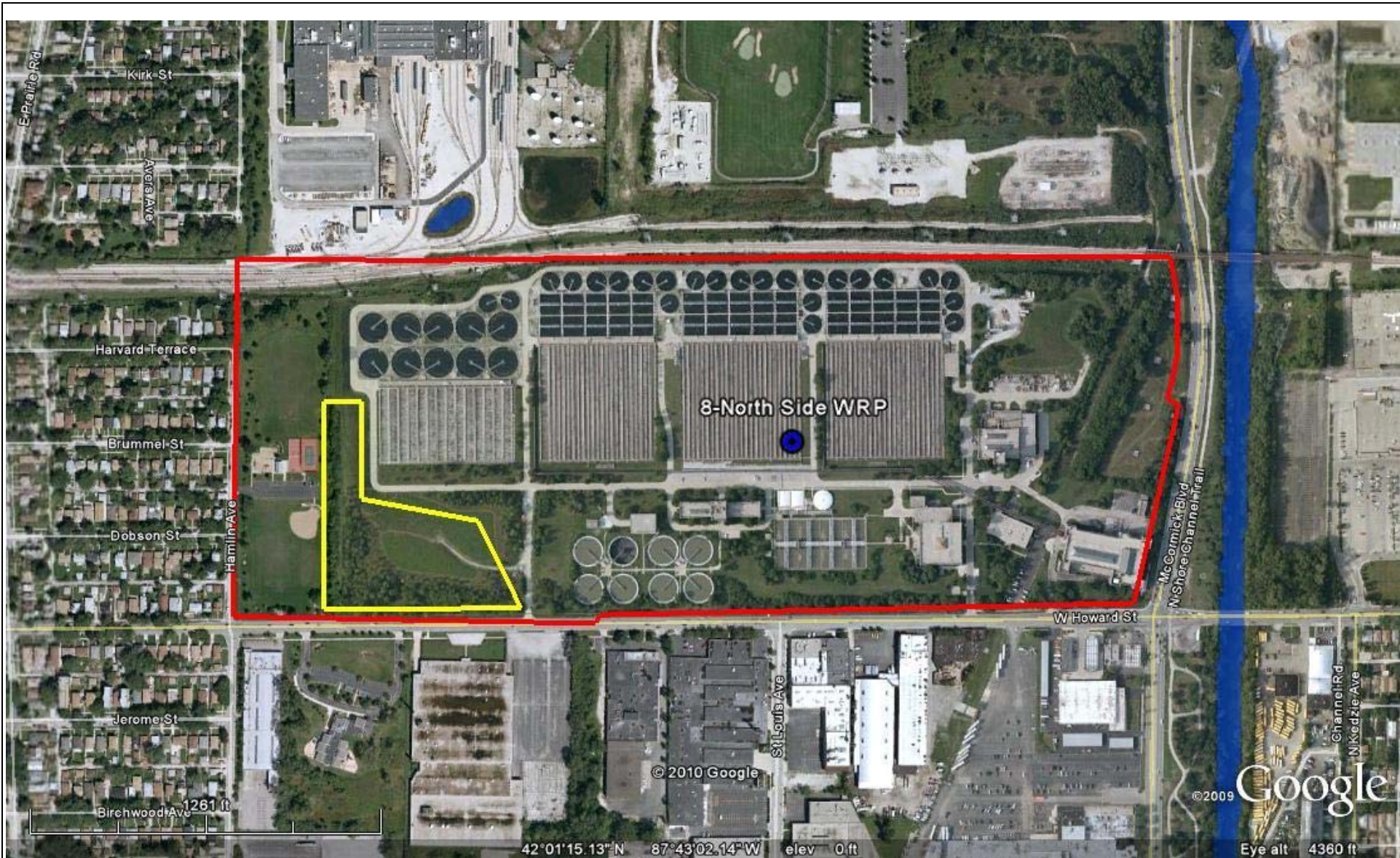
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- 5A – Sub-Site Location
- (Red line) – Site Boundary
- (Yellow line) – Survey Boundary

Figure A-10
Map of Site 6, John Egan WRP
Metropolitan Water Reclamation
District of Greater Chicago



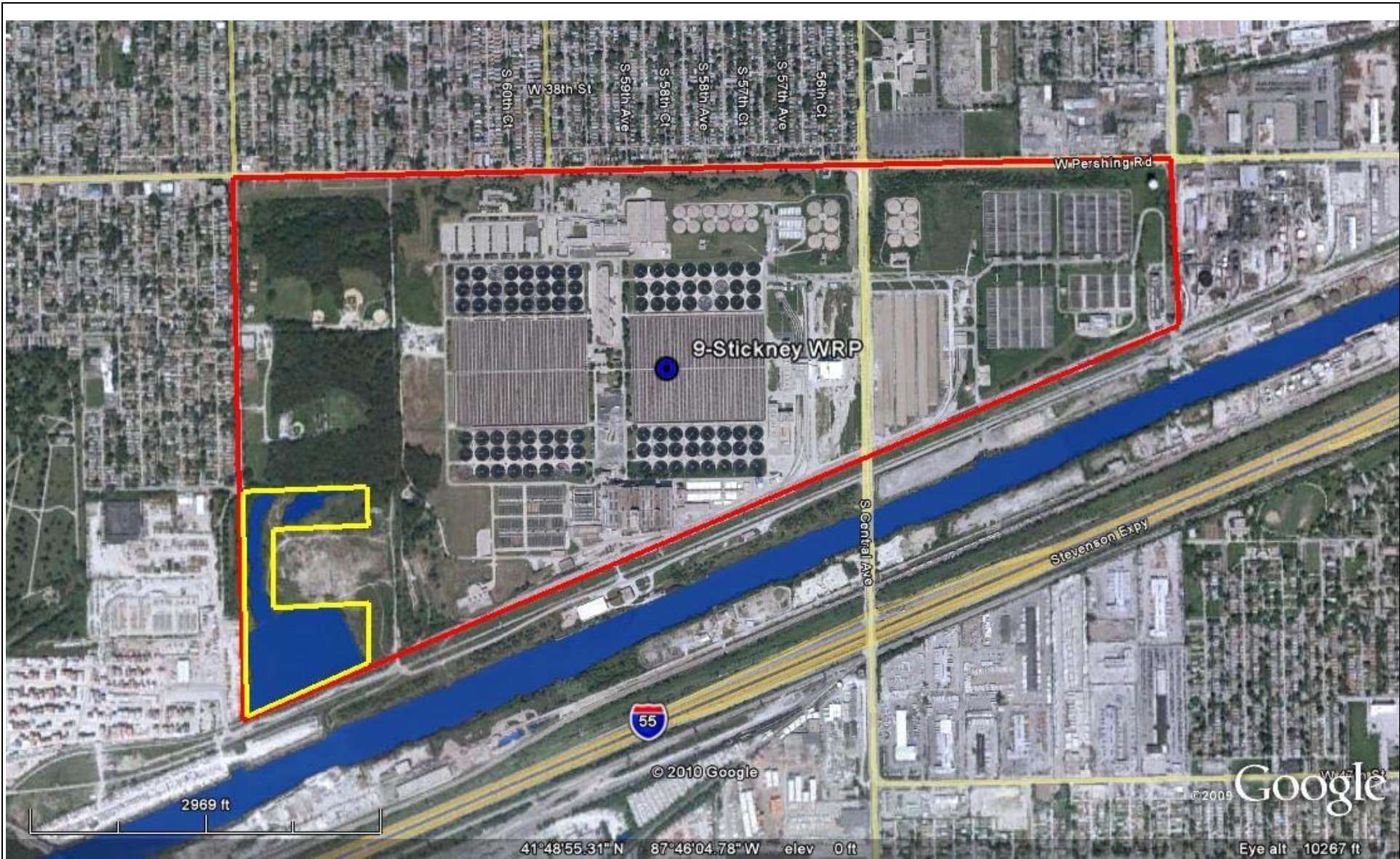
- 5 – Location
- 5A – Sub-Site Location
- – Site Boundary
- – Survey Boundary

Figure A-11
Map of Site 7, James Kirie WRP
Metropolitan Water Reclamation
District of Greater Chicago



- 5 – Location
- 5A – Sub-Site Location
- (Red line) – Site Boundary
- (Yellow line) – Survey Boundary

Figure A-12
Map of Site 8, North Side WRP
Metropolitan Water Reclamation
District of Greater Chicago



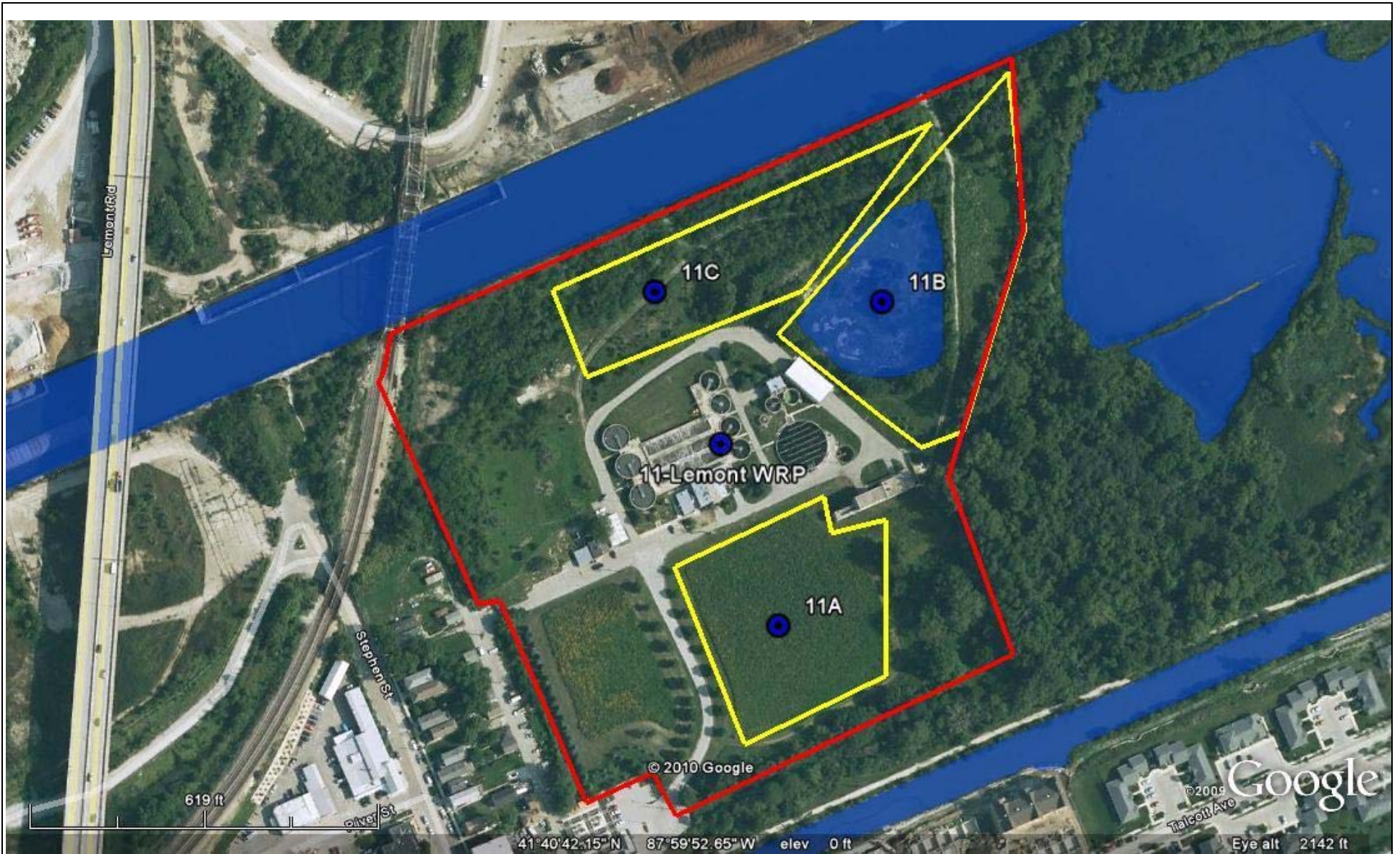
- 5 – Location
- 5A – Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-13
Map of Site 9, Stickney WRP
Metropolitan Water Reclamation
District of Greater Chicago



- 5 – Location
- 5A – Sub-Site Location
- (Red line) – Site Boundary
- (Yellow line) – Survey Boundary

Figure A-14
Map of Site 10, Calumet WRP
Metropolitan Water Reclamation
District of Greater Chicago



- 5 – Location
- 5A – Sub-Site Location
- (Red line) – Site Boundary
- (Yellow line) – Survey Boundary

Figure A-15
Map of Site 11, Lemont WRP
Metropolitan Water Reclamation
District of Greater Chicago



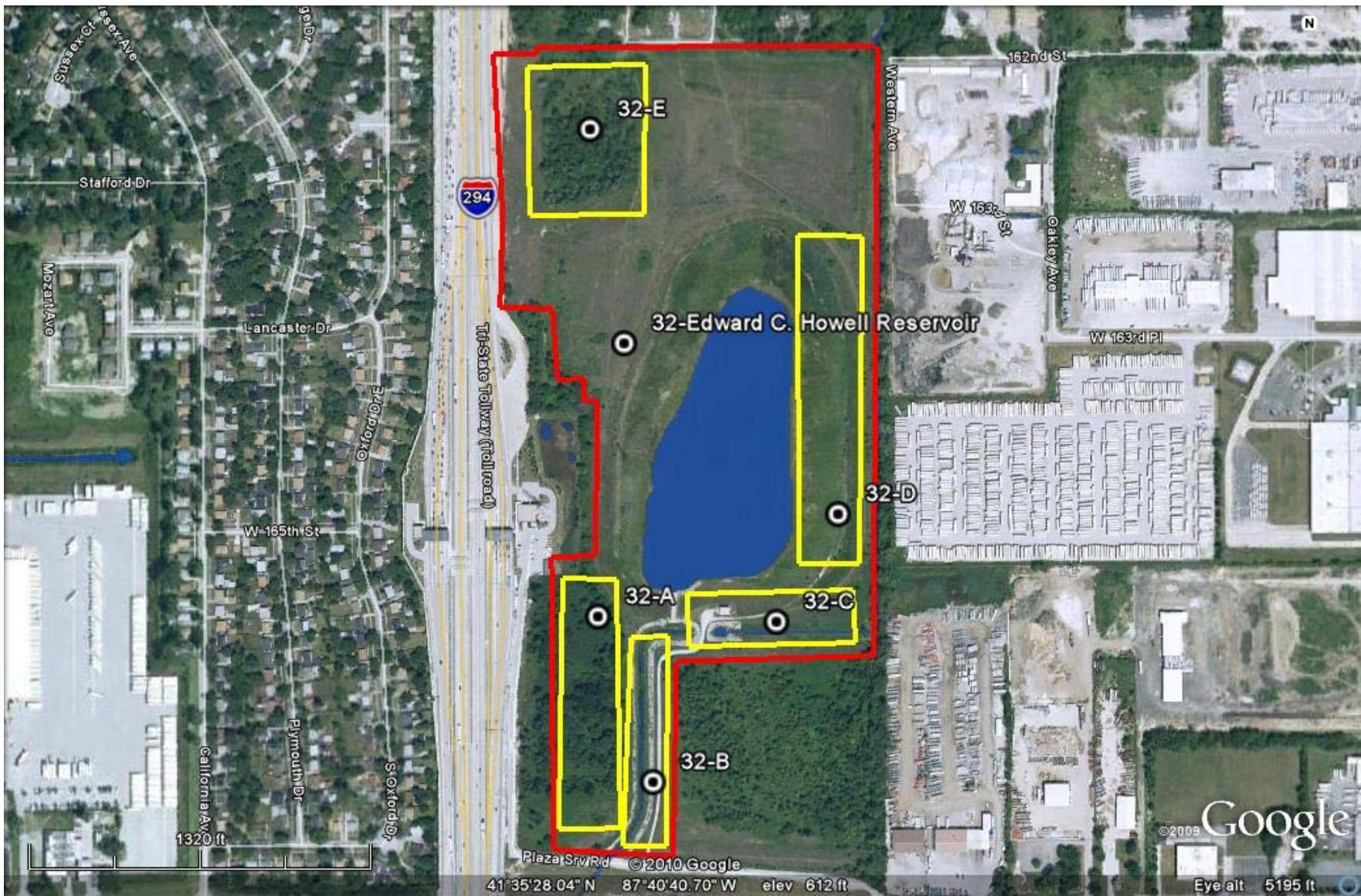
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- 5A – Sub-Site Location
- (Red line) – Site Boundary
- (Yellow line) – Survey Boundary

Figure A-16
Map of Site 14, Calumet West Solids Drying Area
Metropolitan Water Reclamation District of Greater Chicago



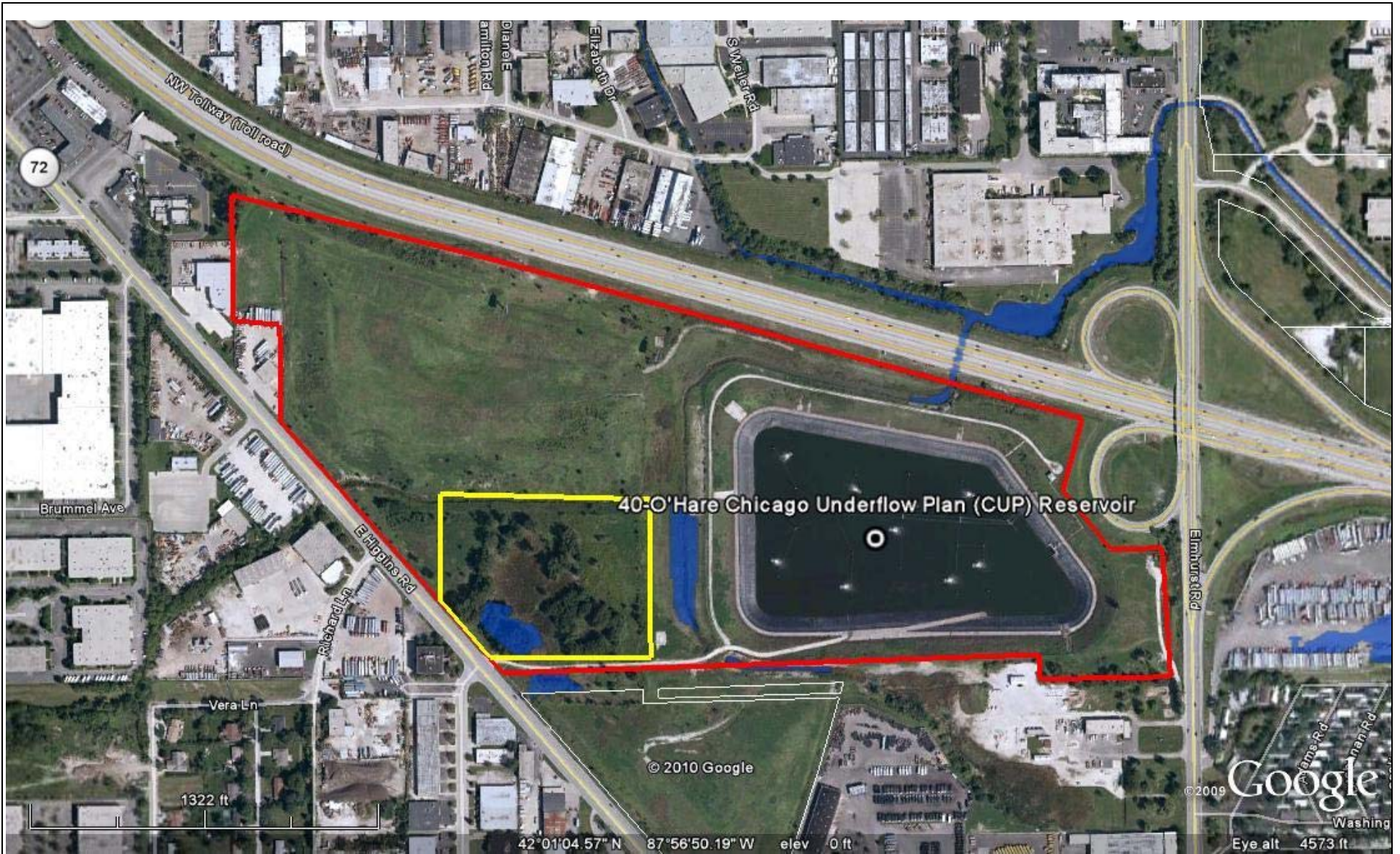
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- (Red line) – Site Boundary
- (Yellow line) – Survey Boundary

Figure A-17
Map of Site 20, Stony Island Solids Drying Area
Metropolitan Water Reclamation
District of Greater Chicago



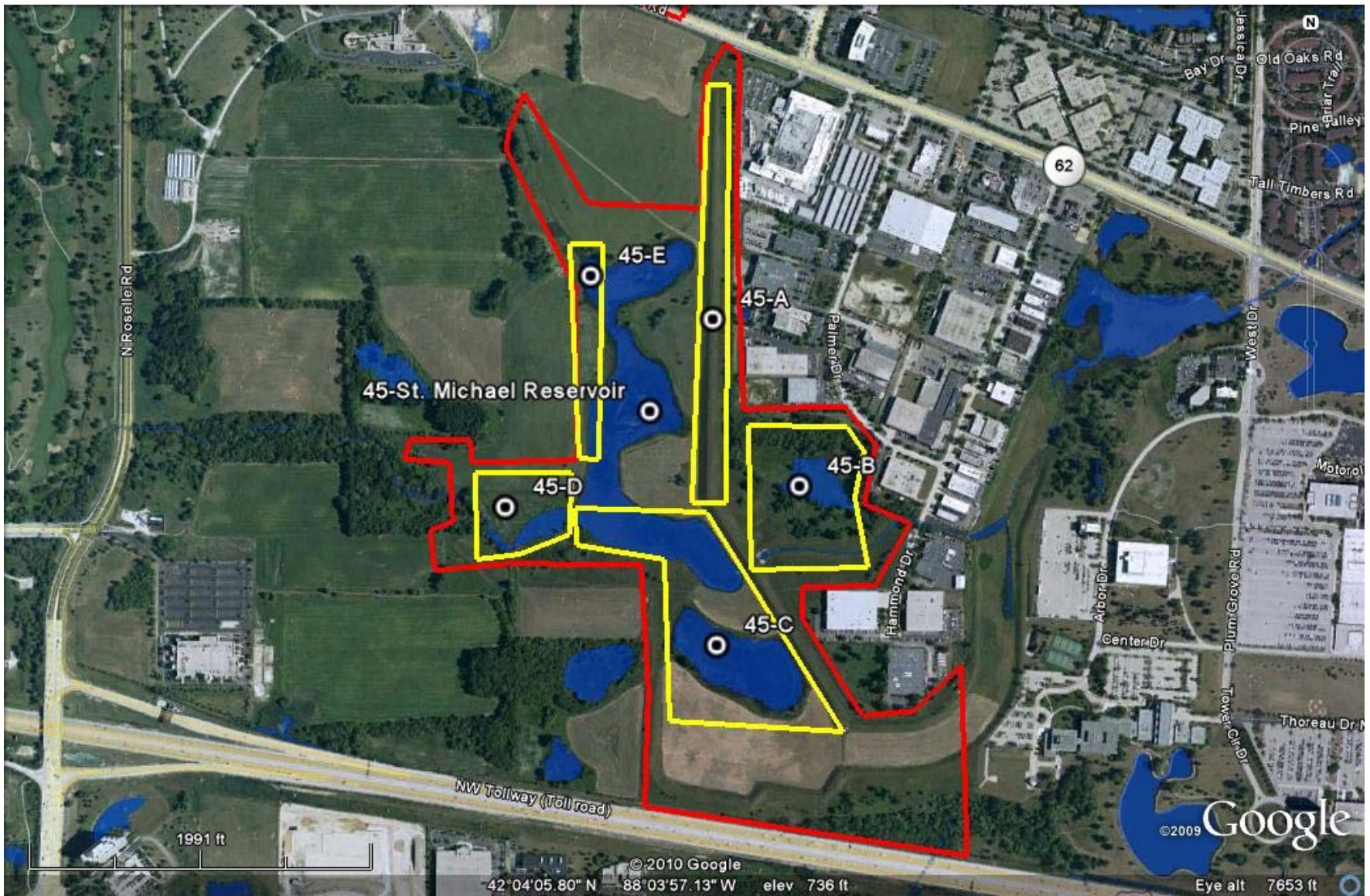
- 5 – Location
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- Site Boundary
- Survey Boundary

Figure A-18
Map of Site 32, Edward C. Howell Reservoir
Metropolitan Water Reclamation
District of Greater Chicago



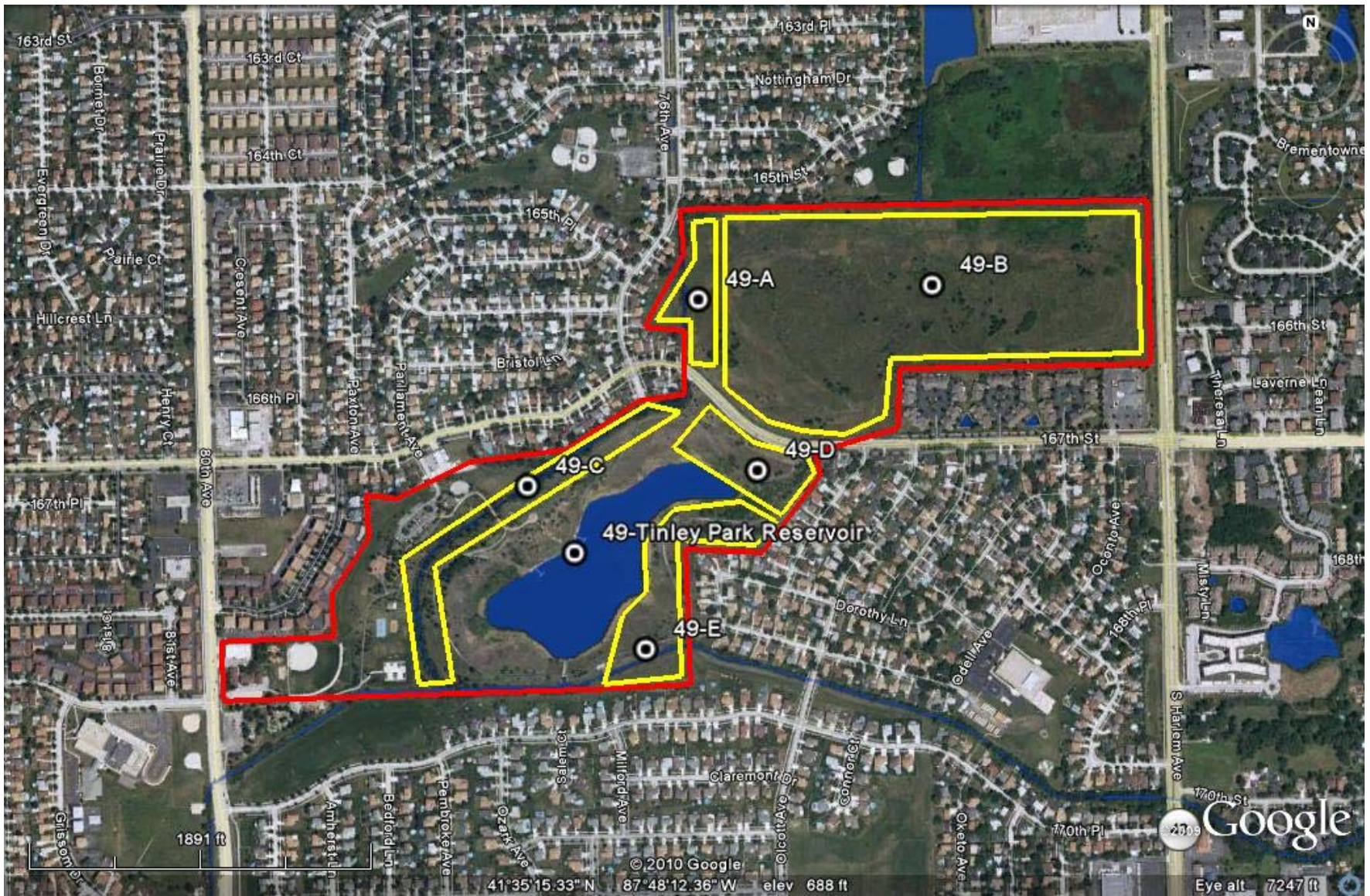
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- – Site Boundary
- – Survey Boundary

Figure A-19
Map of Site 40, O'Hare CUP Reservoir
Metropolitan Water Reclamation
District of Greater Chicago



- 5 - Location
- 5A - Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-20
Map of Site 45, St. Michael Reservoir
Metropolitan Water Reclamation
District of Greater Chicago



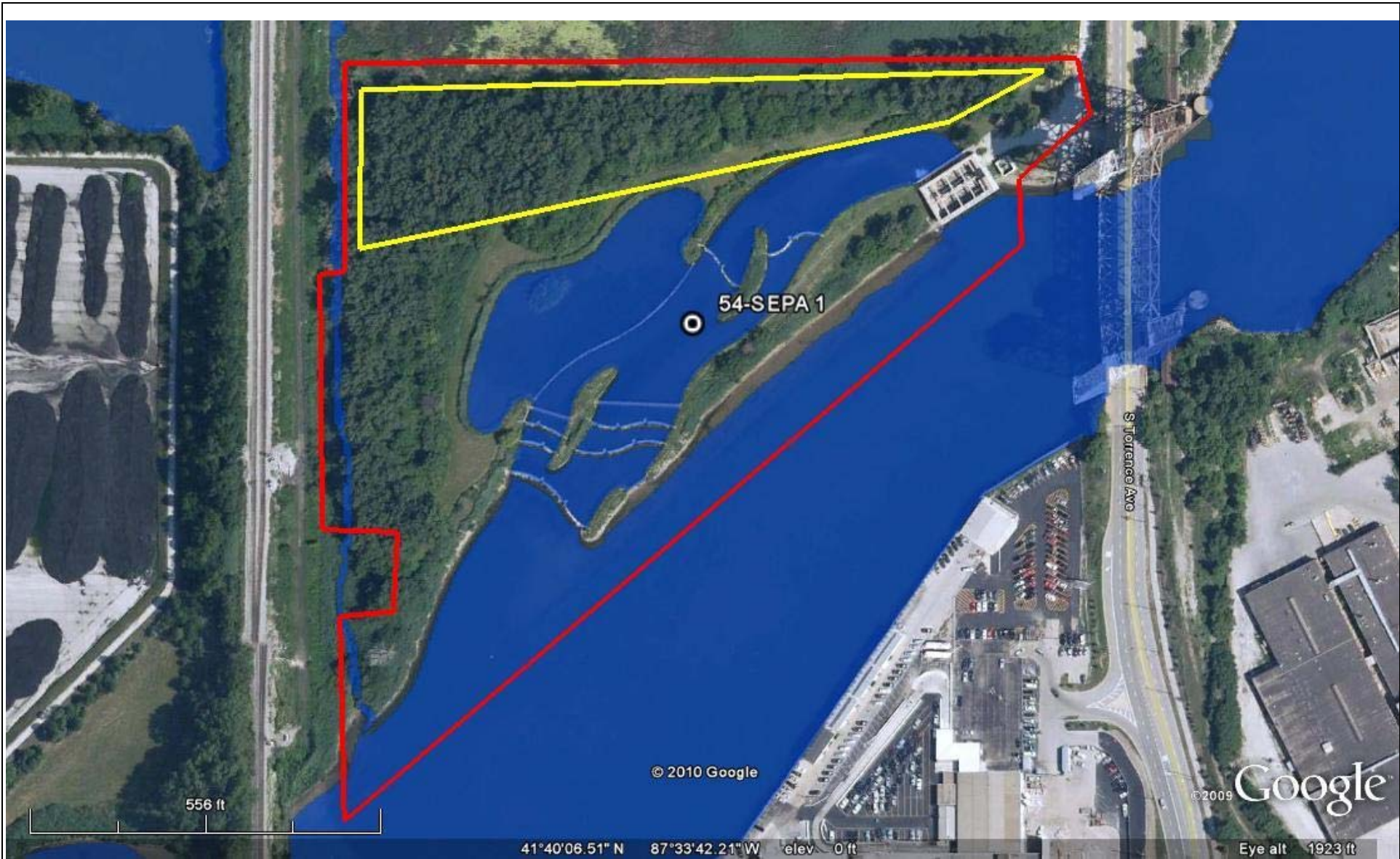
- 5 – Location
- 5A – Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-21
Map of Site 49, Tinley Park Reservoir
Metropolitan Water Reclamation
District of Greater Chicago



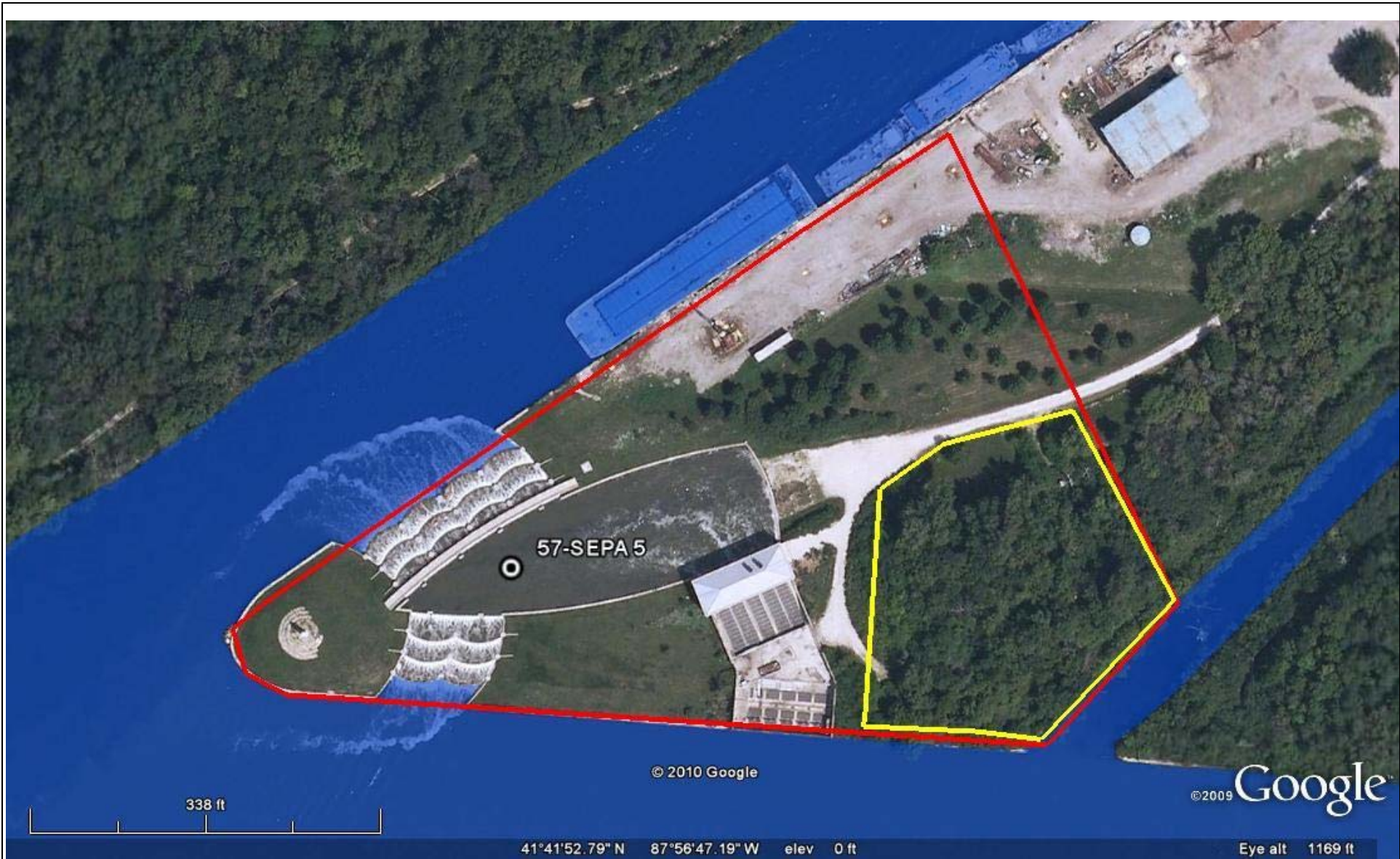
- 5 – Location
- 5A – Sub-Site Location
- (Red line) – Site Boundary
- (Yellow line) – Survey Boundary

Figure A-22
Map of Site 53, Dr. Mary Woodland Reservoir
Metropolitan Water Reclamation
District of Greater Chicago



- 5 – Location
- 5A – Sub-Site Location
- Site Boundary
- Survey Boundary

Figure A-23
Map of Site 54, SEPA 1
Metropolitan Water Reclamation
District of Greater Chicago

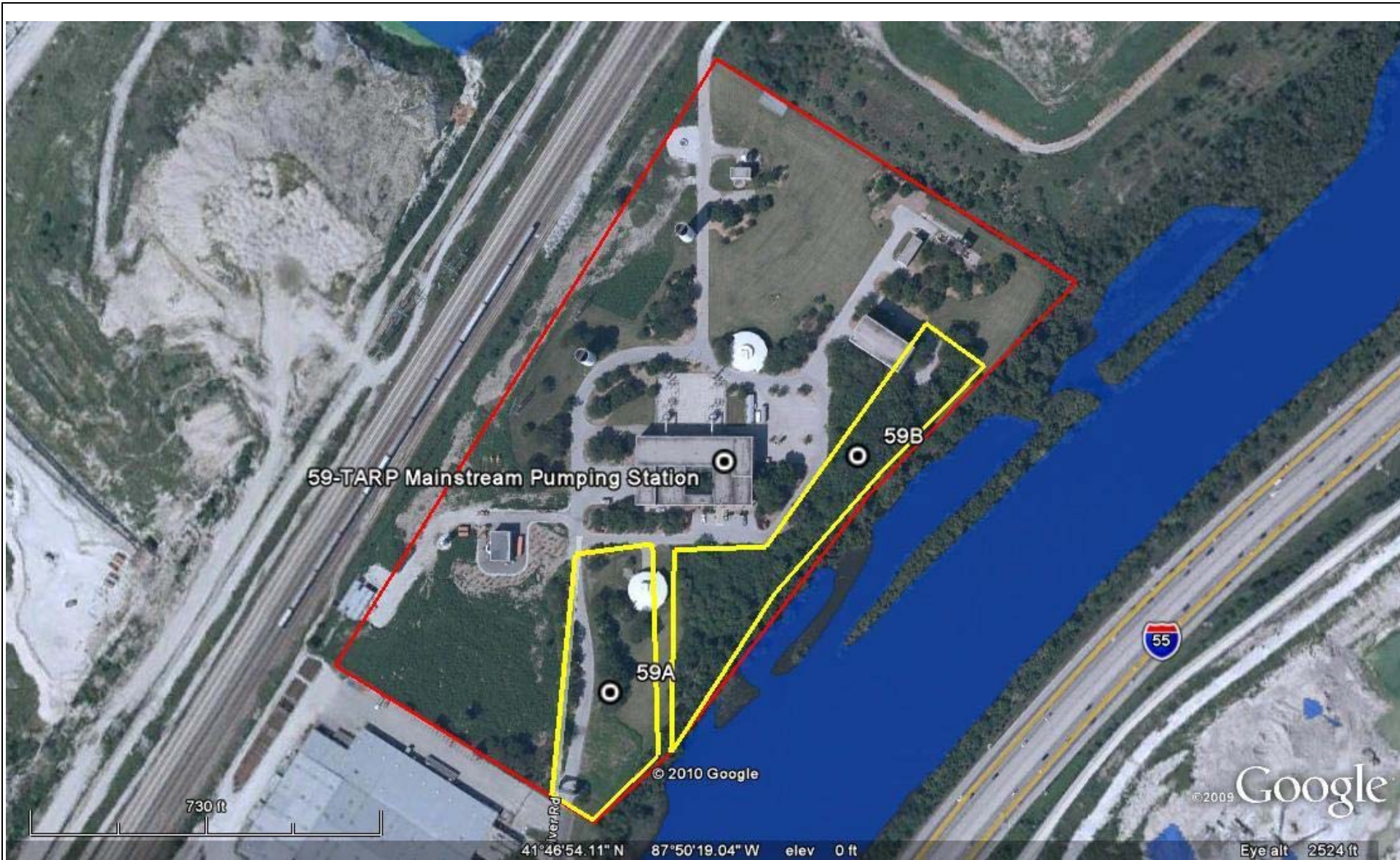


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- Site Boundary
- Survey Boundary

Figure A-24
Map of Site 57, SEPA 5
Metropolitan Water Reclamation
District of Greater Chicago



- 5 – Location
- 5A – Sub-Site Location
- (Red line) – Site Boundary
- (Yellow line) – Survey Boundary

Figure A-25
Map of Site 59, TARP Mainstream Pumping Station
Metropolitan Water Reclamation District of Greater Chicago

Tables B

List of Common and Scientific Names for Plants, Dragonflies, Damselflies, Butterflies, Amphibians, Reptiles, Birds, and Mammals at 25 sites on District Properties

TABLE B-1. List of Common and Scientific Names for Vascular Plants at 25 District Properties

Common Name	Scientific Name
ALFALFA	<i>Medicago sativa</i>
ALSIKE CLOVER	<i>Trifolium hybridum</i>
AMERICAN ELM	<i>Ulmus americana</i>
AMERICAN HAZELNUT	<i>Corylus americana</i>
AMERICAN LINDEN	<i>Tilia americana</i>
AMERICAN VETCH	<i>Vicia americana</i>
AMUR HONEYSUCKLE	<i>Lonicera maackii</i>
AMUR MAPLE	<i>Acer ginnala</i>
ANNUAL BEDSTRAW	<i>Galium asparine</i>
ANNUAL BLUE GRASS	<i>Poa annua</i>
ANNUAL FLEABANE	<i>Erigeron annus</i>
APPLE	<i>Malus pumila</i>
ARROW-WOOD	<i>Viburnum dentatum</i>
ASPARAGUS	<i>Asparagus officinalis</i>
AUNT LUCY	<i>Ellisia nyctelea</i>
AUTUMN OLIVE	<i>Elaeagnus umbellata</i>
AWNED FLAT SEDGE	<i>Cyperus inflexus</i>
BALSAM RAGWORT	<i>Senecio pauperculus</i>
BARNYARD GRASS	<i>Echinochloa crusgalli</i>
BEAK-SEEDED KNOTWEED	<i>Polygonum achoreum</i>
BENT GRASS	<i>Agrostis alba palustris</i>
BIENNIAL GAURA	<i>Gaura biennis</i>
BIENNIAL WORMWOOD	<i>Artemisia biennis</i>
BIG BLUESTEM GRASS	<i>Andropogon gerardii</i>
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>
BITTERNUT HICKORY	<i>Carya cordiformis</i>
BLACK ASH	<i>Fraxinus nigra</i>
BLACK BINDWEED	<i>Polygonum convolvulus</i>
BLACK CHERRY	<i>Prunus serotina</i>
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>
BLACK LOCUST	<i>robinia pseudoacacia</i>
BLACK MAPLE	<i>Acer nigrum</i>
BLACK MEDICK	<i>Medicago lupulina</i>
BLACK MUSTARD	<i>Brassica nigra</i>
BLACK NIGHTSHADE	<i>Solanum americanum</i>
BLACK OAK	<i>Quercus velutina</i>
BLACK RASPBERRY	<i>Rubus occidentalis</i>
BLACK SWALLOWWORT	<i>Cynanchum nigrum</i>
BLACK WALNUT	<i>Juglans nigra</i>
BLACK WILLOW	<i>Salix nigra</i>

Common Name	Scientific Name
BLUE ASH	<i>Fraxinus quadrangulata</i>
BLUE FLAG	<i>Iris virginica shrevei</i>
BLUE-FRUITED DOGWOOD	<i>Cornus obliqua</i>
BLUE JOINT GRASS	<i>Calamagrostis canadensis</i>
BLUE VERVAIN	<i>Verbena hastata</i>
BLUNT SPIKE RUSH	<i>Eleocharis obtusa</i>
BOUNCING BET	<i>Saponaria officinalis</i>
BOX ELDER	<i>Acer negundo</i>
BRISTLY BUTTERCUP	<i>Ranunculus pensylvanicus</i>
BRISTLY CAT BRIER	<i>Smilax tamnoides hispida</i>
BRISTLY CATTAIL SEDGE	<i>Carex frankii</i>
BRISTLY FOXTAIL	<i>Setaria verticillata</i>
BROAD-LEAVED CATTAIL	<i>Typha latifolia</i>
BROAD-LEAVED PURPLE CONEFLOWER	<i>Echinacea purpurea</i>
BROAD-LEAVED WOOLLY SEDGE	<i>Carex pellita</i>
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>
BUGLE WEED	<i>Lycopus virginicus</i>
BUFFALO BUR	<i>Solanum rostratum</i>
BULL THISTLE	<i>Cirsium vulgare</i>
BUR OAK	<i>Quercus macrocarpa</i>
BURNING BUSH	<i>Euonymus alatus</i>
BUSHY KNOTWEED	<i>Polygonum ramosissimum</i>
BUTTER-AND-EGGS	<i>Linaria vulgaris</i>
BUTTERFLY WEED	<i>Asclepias tuberosa</i>
CANADA BLUE GRASS	<i>Poa compressa</i>
CANADA GOLDENROD	<i>Solidago canadensis</i>
CANADA WILD RICE	<i>Elymus canadensis</i>
CANADIAN BLACK SNAKEROOT	<i>Sanicula canadensis</i>
CATNIP	<i>Nepeta cataria</i>
CHAIRMAKER'S RUSH	<i>Scirpus pungens</i>
CHARLOCK	<i>Brassica kaber</i>
CHICORY	<i>Cichorium intybus</i>
CHOKE CHERRY	<i>Prunus virginiana</i>
CINNAMON WILLOW HERB	<i>Epilobium coloratum</i>
CLAMMY GROUND CHERRY	<i>Physalis heterophylla</i>
CLEARWEED	<i>Pilea pumila</i>
CLIMBING BITTERSWEET	<i>Celastrus scandens</i>
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>
CLUSTERED BLACK SNAKEROOT	<i>Sanicula gregaria</i>
COCKLEBUR	<i>Xanthium strumarium</i>
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>
COMMON ARROWHEAD	<i>Sagittaria latifolia</i>

Common Name	Scientific Name
COMMON BALM	<i>Melissa officinalis</i>
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>
COMMON BLACKBERRY	<i>Rubus allegheniensis</i>
COMMON BLUE-EYED GRASS	<i>Sisyrinchium albidum</i>
COMMON BLUE VIOLET	<i>Viola sororia</i>
COMMON BONESET	<i>Eupatorium perfoliatum</i>
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>
COMMON BURDOCK	<i>Arctium minus</i>
COMMON BUR SEDGE	<i>Carex grayi</i>
COMMON CARRION FLOWER	<i>Smilax lasioneura</i>
COMMON CHICKWEED	<i>Stellaria media</i>
COMMON CINQUEFOIL	<i>Potentilla simplex</i>
COMMON COMFREY	<i>Symphytum officinale</i>
COMMON DAY FLOWER	<i>Commelina communis</i>
COMMON DANDELION	<i>Taraxacum officinale</i>
COMMON DEWBERRY	<i>Rubus flagellaris</i>
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>
COMMON FLY HONEYSUCKLE	<i>Lonicera X muendeniense</i>
COMMON FOX SEDGE	<i>Carex stipata</i>
COMMON GAURA	<i>Gaura biennis pitcher</i>
COMMON GOAT'S BEARD	<i>Tragopogon pratensis</i>
COMMON GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia</i>
COMMON IRONWEED	<i>Vernonia fasciculata</i>
COMMON JUNIPER	<i>Juniperus communis</i>
COMMON LAKE SEDGE	<i>Carex lacustris</i>
COMMON MALLOW	<i>Malva neglecta</i>
COMMON MILKWEED	<i>Asclepias syriaca</i>
COMMON MORNING GLORY	<i>Ipomoea purpurea</i>
COMMON MOUNTAIN MINT	<i>Pycnanthemum virginianum</i>
COMMON MULLEIN	<i>Verbascum thapsus</i>
COMMON ORACH	<i>Atriplex patula</i>
COMMON PEPPERCRESS	<i>Lepidium virginicum</i>
COMMON PLANTAIN	<i>Plantago major</i>
COMMON PONDWEED	<i>Potamogeton natans</i>
COMMON PRIVET	<i>Ligustrum vulgare</i>
COMMON RAGWEED	<i>Ambrosia artemisiifolia elatior</i>
COMMON REED	<i>Phragmites australis</i>
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>
COMMON SPIDERWORT	<i>Tradescantia ohiensis</i>
COMMON ST. JOHN'S WORT	<i>Hypericum perforatum</i>
COMMON TEASEL	<i>Dipsacus sylvestris</i>
COMMON TUSsock SEDGE	<i>Carex stricta</i>

Common Name	Scientific Name
COMMON WATER HOREHOUND	<i>Lycopus americanus</i>
COMMON WATER PLANTAIN	<i>Alisma subcordatum</i>
COMMON WOOD SEDGE	<i>Carex blanda</i>
COMMON WOOD SORREL	<i>Oxalis stricta</i>
COMMON WORMWOOD	<i>Artemisia absinthium</i>
COMPASS PLANT	<i>Silphium laciniatum</i>
CORALBERRY	<i>Symphoricarpos orbiculatus</i>
CORN SPEEDWELL	<i>Veronica arvensis</i>
CREEPING BUTTERCUP	<i>Ranunculus repens</i>
CREEPING CHARLIE	<i>Glechoma hederacea</i>
CREEPING SMARTWEED	<i>Polygonum cespitosum</i>
CRESTED OVAL SEDGE	<i>Carex cristatella</i>
CROWFOOT FOX SEDGE	<i>Carex crus-corvi</i>
CROWN VETCH	<i>Coronilla varia</i>
CULVER'S ROOT	<i>Veronicastrum virginicum</i>
CUP PLANT	<i>Silphium perfoliatum</i>
CURLEY DOCK	<i>Rumex crispus</i>
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>
DAISY FLEABANE	<i>Erigeron strigosus</i>
DAME'S ROCKET	<i>Hesperis matronalis</i>
DARK GREEN RUSH	<i>Scirpus atrovirens</i>
DEAM'S ROSIN WEED	<i>Silphium integrifolium deamii</i>
DEPTFORD PINK	<i>Dianthus armeria</i>
DITCH STONECROP	<i>Penthorum sedoides</i>
DOTTED HAWTHORN	<i>Crataegus punctata</i>
DOWNY BROME	<i>Bromus tectorum</i>
DOWNY SUNFLOWER	<i>Helianthus mollis</i>
DOWNY HAWTHORN	<i>Crataegus mollis</i>
DRUMMOND'S ASTER	<i>Aster sagittifolius drummondii</i>
DUCKWEED	<i>Lemna</i> sp.
DUDLEY'S RUSH	<i>Juncus dudleyi</i>
DWARF FRAGRANT SUMAC	<i>Rhus aromatica arenaria</i>
EASTERN COTTONWOOD	<i>Populus deltoides</i>
EARLY FIGWORT	<i>Scrophularia lanceolata</i>
EARLY GOLDENROD	<i>Solidago juncea</i>
EARLY WILD ROSE	<i>Rosa blanda</i>
ELDERBERRY	<i>Sambucus canadensis</i>
ENCHANTER'S NIGHTSHADE	<i>Circaea lutetiana canadensis</i>
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>
EUROPEAN BELLFLOWER	<i>Campanula rapunculoides</i>
EUROPEAN FLY HONEYSUCKLE	<i>Lonicera xylosteum</i>
EUROPEAN Highbush CRANBERRY	<i>Viburnum opulus</i>

Common Name	Scientific Name
EUROPEAN LARCH	<i>Larix decidua</i>
EUROPEAN MOUNTAIN ASH	<i>Sorbus aucuparia</i>
EUROPEAN WATER MILFOIL	<i>Myriophyllum spicatum</i>
EVERGREEN BLACKBERRY	<i>Rubus laciniatus</i>
EYEBANE	<i>Euphorbia maculata</i>
EXPRESSWAY ASTER	<i>Aster subulatus</i>
FALSE NETTLE	<i>Boehmeria cylindrica</i>
FALSE SUNFLOWER	<i>Heliopsis helianthoides</i>
FALSE TOADFLAX	<i>Comandra umbellata</i>
FEATHERY FALSE SOLOMON'S SEAL	<i>Smilacina racemosa</i>
FEN STAR SEDGE	<i>Carex sterilis</i>
FIELD BINDWEED	<i>Convolvulus arvensis</i>
FIELD CRESS	<i>Lepidium campestre</i>
FIELD HAWKWEED	<i>Hieracium caespitosum</i>
FIELD NUT SEDGE	<i>Cyperus esculentus</i>
FIELD OVAL SEDGE	<i>Carex molesta</i>
FIELD SOW THISTLE	<i>Sonchus arvensis</i>
FIELD THISTLE	<i>Cirsium arvense</i>
FIREWEED	<i>Erechtites hieracifolia</i>
FLOWERING SPURGE	<i>Euphorbia corollata</i>
FLOWER-OF-AN-HOUR	<i>Hibiscus trionum</i>
FOG FRUIT	<i>Lippia lanceolata</i>
FOOT TREFOIL	<i>Lotus corniculatus</i>
FOWL MANNA GRASS	<i>Glyceria striata</i>
FOXGLOVE BEARD TONGUE	<i>Penstemon digitalis</i>
FOXTAIL MILLET	<i>Setaria italica</i>
FRAGRANT SUMAC	<i>Rhus aromatica</i>
FRINGED LOOSESTRIFE	<i>Lysimachia ciliata</i>
GARDEN SUNFLOWER	<i>Helianthus annuus</i>
GARLIC MUSTARD	<i>Alliaria petiolata</i>
GERMANDER	<i>Teucrium canadense</i>
GIANT FOXTAIL	<i>Setaria faberi</i>
GIANT RAGWEED	<i>Ambrosia trifida</i>
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>
GOLDEN ALEXANDERS	<i>Zizia aurea</i>
GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i> var.
GRAY DOGWOOD	<i>Cornus racemosa</i>
GRAY POPLAR	<i>Populus canescens</i>
GREAT BULRUSH	<i>Scirpus validus creber</i>
GREAT WATER DOCK	<i>Rumex orbiculatus</i>
GREEN AMARANTH	<i>Amaranthus hybridus</i>
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.

Common Name	Scientific Name
GREEN DRAGON	<i>Arisaema dracontium</i>
GREEN FOXTAIL	<i>Setaria viridis</i>
GROUND NUT	<i>Apios americana</i>
HACKBERRY	<i>Celtis occidentalis</i>
HAIRY ASTER	<i>Aster pilosus</i>
HAIRY CRAB GRASS	<i>Digitaria sanguinalis</i>
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>
HAIRY SWEET CICELY	<i>Osmorhiza claytonii</i>
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>
HALBERD-LEAVED ROSE MALLOW	<i>Hibiscus laevis</i>
HARD-STEMMED BULRUSH	<i>Scirpus acutus</i>
HARDY CATALPA	<i>Catalpa speciosa</i>
HEART-LEAVED WILLOW	<i>Salix eriocephala</i>
HEARTSEASE	<i>Polygonum lapathifolium</i>
HEATH ASTER	<i>Aster ericoides</i>
HEDGE BINDWEED	<i>Convolvulus sepium</i>
HEDGE MUSTARD	<i>Sisymbrium officinale</i>
HEMP	<i>Cannabis sativa</i>
HENBIT	<i>Lamium amplexicaule</i>
HOARY TICK TREFOIL	<i>Desmodium canescens</i>
HOARY VERVAIN	<i>Verbena stricta</i>
HONEY LOCUST	<i>Gleditsia triacanthos</i>
HONEWORT	<i>Cryptotaenia canadensis</i>
HOP HORNBEAM	<i>Ostrya virginiana</i>
HORNWORT	<i>Ceratophyllum demersum</i>
HORSE NETTLE	<i>Solanum carolinense</i>
HORSETAIL	<i>Equisetum arvense</i>
HORSEWEED	<i>Erigeron canadensis</i>
HUNGARIAN BROME	<i>Bromus intermis</i>
HYBRID CATTAIL	<i>Typha X glauca</i>
HYBRID CRACK WILLOW	<i>Salix X rubens</i>
ILLINOIS ROSE	<i>Rosa setigera</i>
INDIAN GRASS	<i>Sorghastrum nutans</i>
INDIAN HEMP	<i>Apocynum cannabinum</i>
INDIAN MUSTARD	<i>Brassica juncea</i>
INDIAN STRAWBERRY	<i>Duchesnea indica</i>
ITALIAN RYE GRASS	<i>Lolium multiflorum</i>
IVY-LEAVED MORNING GLORY	<i>Ipomoea hederacea</i>
JACK-IN-THE-PULPIT	<i>Artisaema triphyllum</i>
JAPANESE BARBERRY	<i>Berberis thunbergii</i>
JAPANESE CHESS	<i>Bromus japonicus</i>
JAPANESE CRAB	<i>Malus sieboldii</i>

Common Name	Scientific Name
JAPANESE HEDGE PARSLEY	<i>Torilis japonica</i>
JAPANESE HONEYSUCKLE	<i>Lonicera japonica</i>
JAPANESE KNOTWEED	<i>Polygonum cuspidatum</i>
JERUSALEM ARTICHOKE	<i>Helianthus tuberosus</i>
JOINT RUSH	<i>Juncus nodosus</i>
JOINTED GOAT GRASS	<i>Aegilops cylindrica</i>
KENTUCKY COFFEE TREE	<i>Gymnocladus dioica</i>
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>
KNEE GRASS	<i>Panicum dichotomiflorum</i>
LADY'S THUMB	<i>Polygonum persicaria</i>
LAMB'S QUARTERS	<i>Chenopodium album</i>
LANCE-FRUITED OVAL SEDGE	<i>Carex scoparia</i>
LANCE-LEAVED GROUND CHERRY	<i>Physalis virginiana</i>
LARGE-FLOWERED COREOPSIS	<i>Coreopsis grandiflora</i>
LARGE-FLOWERED WATER PLANTAIN	<i>Alisma triviale</i>
LATE BONESET	<i>Eupatorium serotinum</i>
LATE GOLDENROD	<i>Solidago gigantea</i>
LATE FIGWORT	<i>Scrophularia marilandica</i>
LEAD PLANT	<i>Amorpha canescens</i>
LILAC	<i>Syringa vulgaris</i>
LILY-OF-THE-VALLEY	<i>Convallaria majalis</i>
LION'S FOOT	<i>Prenanthes alba</i>
LITTLE BLUESTEM GRASS	<i>Andropogon scoparius</i>
LONG-LEAVED PONDWEED	<i>Potamogeton nodosus</i>
LONG-SCALED NUT SEDGE	<i>Cyperus strigosus</i>
LOPSEED	<i>Phryma leptostachya</i>
MAD-DOG SKULLCAP	<i>Scutellaria lateriflora</i>
MARSH ASTER	<i>Aster simplex interior</i>
MARSH BLAZING STAR	<i>Liastris spicata</i>
MARSH CRESS	<i>Rorippa palustris fernaldiana</i>
MARSH FLEABANE	<i>Erigeron philadelphicus</i>
MARSH HEDGE NETTLE	<i>Stachys tenuifolia hispida</i>
MARSH PHLOX	<i>Phlox glaberrima interior</i>
MARSH SKULLCAP	<i>Scutellaria epilobifolia</i>
MARSH SPIKE RUSH	<i>Eleocharis smallii</i>
MAY APPLE	<i>Podophyllum peltatum</i>
MEADOW ANEMONE	<i>Anemone canadensis</i>
MEADOW FESCUE	<i>Festuca pratensis</i>
MISSOURI IRONWEED	<i>Veronia missurica</i>
MONEYWORT	<i>Lysimachia nummularia</i>
MONKEY FLOWER	<i>Mimulus ringens</i>
MOONSEED	<i>Menispermum canadense</i>

Common Name	Scientific Name
MOTH MULLEIN	<i>Verbascum blattaria</i>
MOTHERWORT	<i>Leonurus cardiaca</i>
MOUSE-EAR CHICKWEED	<i>Cerastium vulgatum</i>
MUGWORT	<i>Artemisia vulgaris</i>
MULTIFLORA ROSE	<i>Rosa multiflora</i>
MUSK THISTLE	<i>Cardus nutans</i>
NANNYBERRY	<i>Viburnum lentago</i>
NARROW-LEAVED CATTAIL	<i>Typha angustifolia</i>
NARROW-LEAVED OVAL SEDGE	<i>Carex tenera</i>
NARROW-LEAVED VERVAIN	<i>Verbena simplex</i>
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>
NIGHT-FLOWERING CATCHFLY	<i>Silene noctiflora</i>
NIMBLEWILL	<i>Muhlenbergia schreberi</i>
NODDING BUR MARIGOLD	<i>Bidens cernua</i>
NODDING LADIES' TRESSES	<i>Spiranthes cernua</i>
NODDING WILD ONION	<i>Allium cernuum</i>
NORTHERN BUGLE WEED	<i>Lycopus uniflorus</i>
NORTHERN SUMAC	<i>Rhus X borealis</i>
NORWAY CINQUEFOIL	<i>Potentilla norvegica</i>
NORWAY MAPLE	<i>Acer platanoides</i>
OAK-LEAVED GOOSEFOOT	<i>Chenopodium glaucum</i>
OHIO BUCKEYE	<i>Aesculus glabra</i>
OLD-FIELD GOLDENROD	<i>Solidago nemoralis</i>
OLD-FIELD PANIC GRASS	<i>Panicum implicatum</i>
OLD WITCH GRASS	<i>Panicum capillare</i>
ORANGE DAY LILY	<i>Hemerocallis fulva</i>
ORANGE JEWELWEED	<i>Impatiens capensis</i>
ORCHARD GRASS	<i>Dactylis glomerata</i>
ORIENTAL BITTERSWEET	<i>Celastrus orbiculatus</i>
OSAGE ORANGE	<i>Maclura pomifera</i>
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>
PALE DOCK	<i>Rumex altissimus</i>
PALE SEDGE	<i>Carex granularis</i>
PALE SUNFLOWER	<i>Helianthus decapetalus</i>
PANICLED ASTER	<i>Aster simplex</i>
PARTRIDGE PEA	<i>Cassia fasciculata</i>
PAPER BIRCH	<i>Betula papyrifera</i>
PASTURE ROSE	<i>Rosa carolina</i>
PASTURE THISTLE	<i>Cirsium discolor</i>
PATH RUSH	<i>Juncus tenuis</i>
PATIENCE DOCK	<i>Rumex patientia</i>
PEACH-LEAVED WILLOW	<i>Salix amygdaloides</i>

Common Name	Scientific Name
PENNSYLVANIA BITTER CRESS	<i>Cardamine pensylvanica</i>
PELLITORY	<i>Parietaria pensylvanica</i>
PENNY CRESS	<i>Thlaspi arvense</i>
PERENNIAL RYE GRASS	<i>Lolium perenne</i>
PERIWINKLE	<i>Vinca minor</i>
PINEAPPLE WEED	<i>Matricaria matricariodes</i>
PINKWEED	<i>Polygonum pensylvanicum</i>
PIN OAK	<i>Quercus palustris</i>
PLAINS THREE-AWN GRASS	<i>Aristida oligantha</i>
PLUM-LEAVED CRAB	<i>Malus prunifolia</i>
POISON HEMLOCK	<i>Conium maculatum</i>
POISON IVY	<i>Rhus radicans</i>
POKEWEED	<i>Phytolacca americana</i>
POVERTY OAT GRASS	<i>Danthonia spicata</i>
PRAIRIE ALUM ROOT	<i>Heuchera richardsonii</i>
PRAIRIE BLAZING STAR	<i>Liatris pycnostachya</i>
PRAIRIE CORD GRASS	<i>Spartina pectinata</i>
PRAIRIE COREOPSIS	<i>Coreopsis palmata</i>
PRAIRIE DOCK	<i>Silphium terebinthinaceum</i>
PRAIRIE DROPSEED	<i>Sporobolus heterolepis</i>
PRAIRIE INDIAN HEMP	<i>Apocynum sibiricum</i>
PRAIRIE SUNFLOWER	<i>Helianthus rigidus</i>
PRAIRIE WILLOW	<i>Salix humilis</i>
PRICKLY ASH	<i>Xanthoxylum americanum</i>
PRICKLY LETTUCE	<i>Lactuca serriola</i>
PRICKLY WILD GOOSEBERRY	<i>Ribes cynosbati</i>
PURPLE FALSE FOXGLOVE	<i>Agalinis purpurea</i>
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>
PURPLE JOE PYE WEED	<i>Eupatorium purpureum</i>
PURPLE MEADOW RUE	<i>Thalictrum dasycarpum</i>
PURPLE PRAIRIE CLOVER	<i>Petalostemum purpurem</i>
PURPLE-STEMMED TICKSEED	<i>Bidens connata</i>
PURSLANE	<i>Portulaca oleracea</i>
PURSLANE SPEEDWELL	<i>Veronica perigrina</i>
PUSSY TOES	<i>Antennaria plantaginifolia</i>
PUSSY WILLOW	<i>Salix discolor</i>
QUACK GRASS	<i>Agropyron repens</i>
QUAKING ASPEN	<i>Populus tremuloides</i>
QUEEN ANNE'S LACE	<i>Daucus carota</i>
RATTLESNAKE FERN	<i>Botrychium virginianum</i>
RATTLESNAKE MASTER	<i>Eryngium yuccifolium</i>
RED ASH	<i>Fraxinus pennsylvanica</i>

Common Name	Scientific Name
REDBUD	<i>Cercis canadensis</i>
RED BULRUSH	<i>Scirpus pendulus</i>
RED CEDAR	<i>Juniperus virginiana creba</i>
RED CLOVER	<i>Trifolium pratense</i>
RED CURRANT	<i>Ribes sativum</i>
RED ELM	<i>Ulmus rubra</i>
RED FESCUE	<i>Festuca rubra</i>
RED MAPLE	<i>Acer rubrum</i>
RED-OSIER DOGWOOD	<i>Cornus stolonifera</i>
RED OAK	<i>Quercus rubra</i>
RED-ROOTED SPIKE RUSH	<i>Eleocharis erythropoda</i>
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>
REDTOP	<i>Agrostis alba</i>
REED CANARY GRASS	<i>Phalaris arundinacea</i>
RICE CUT GRASS	<i>Leersia oryzoides</i>
RICHWEED	<i>Collinsonia canadensis</i>
RIDDELL'S GOLDENROD	<i>Solidago riddellii</i>
RIVERBANK GRAPE	<i>Vitis riparia</i>
RIVER BIRCH	<i>Betula nigra</i>
RIVER BULRUSH	<i>Scirpus fluviatilis</i>
ROSin WEED	<i>Silphium integrifolium</i>
ROUGH AMARANTH	<i>Amaranthus retroflexus</i>
ROUGH AVENS	<i>Geum laciniatum trichocarpum</i>
ROUGH BEDSTRAW	<i>Galium asprellum</i>
ROUGH BLAZING STAR	<i>Liatris aspera</i>
ROUGH BLUE GRASS	<i>Poa trivialis</i>
ROUGH DROPSEED	<i>Sporobolus asper</i>
ROUGH-LEAVED DOGWOOD	<i>Cornus drummondii</i>
ROUGH ROSE	<i>Rosa X rudiusscula</i>
RUSSIAN OLIVE	<i>Elaeagnus angustifolia</i>
RUSTY NUT SEDGE	<i>Cyperus ferruginescens</i>
RYDEBERG'S VERVAIN	<i>Verbena X rydbergii</i>
RYE	<i>Secale cereale</i>
SAGO PONDWEED	<i>Potamogeton pectinatus</i>
SALT-MEADOW GRASS	<i>Diplachne acuminata</i>
SANDBAR WILLOW	<i>Salix interior</i>
SAND COREOPSIS	<i>Coreopsis lanceolata</i>
SAWTOOTH SUNFLOWER	<i>Helianthus grosseserratus</i>
SCARLET HAWTHORN	<i>Crataegus coccinea</i>
SCENTLESS CHAMOMILE	<i>Matricaria maritima agrestis</i>
SCOTCH PINE	<i>Pinus sylvestris</i>
SEASIDE GOLDENROD	<i>Solidago sempervirens</i>

Common Name	Scientific Name
SEEDBOX	<i>Ludwigia alternifolia</i>
SELF HEAL	<i>Prunella vulgaris lanceolata</i>
SERVICEBERRY	<i>Amelanchier arborea</i>
SESSILE-LEAVED TICK TREFOIL	<i>Desmodium sessilifolium</i>
SHEEP FESCUE	<i>Festuca ovina</i>
SHEPHERD'S PURSE	<i>Capsella bursa-pastoris</i>
SHINGLE OAK	<i>Quercus imbricaria</i>
SHOOTING STAR	<i>Dodecatheon meadia</i>
SHORT-HEADED RUSH	<i>Juncus brachycephalus</i>
SHORT'S ASTER	<i>Aster shortii</i>
SHOWY FLY HONEYSUCKLE	<i>Lonicera X bella</i>
SHOWY GOLDENROD	<i>Solidago speciosa</i>
SHOWY OBEDIENT PLANT	<i>Physostegia virginiana speciosa</i>
SHOWY TICK TREFOIL	<i>Desmodium canadense</i>
SHRUBBY CINQUEFOIL	<i>Potentilla fruticosa</i>
SIBERIAN CRAB	<i>Malus baccata</i>
SIBERIAN ELM	<i>Ulmus pumila</i>
SIDE-FLOWERING ASTER	<i>Aster lateriflorus</i>
SIDE-OATS GRAMA	<i>Bouteloua curtipendula</i>
SIDEWALK KNOTWEED	<i>Polygonum arenastrum</i>
SILKY ASTER	<i>Aster sericeus</i>
SILVER MAPLE	<i>Acer saccharium</i>
SINGLE-SEEDED HAWTHORN	<i>Crataegus monogyna</i>
SLENDER WEDGE GRASS	<i>Sphenopholis intermedia</i>
SLIPPERY ELM	<i>Ulmus rubra</i>
SMALL BEDSTRAW	<i>Galium trifidum</i>
SMALL DUCKWEED	<i>Lemna minor</i>
SMALL-FLOWERED BUTTERCUP	<i>Ranunculus abortivus</i>
SMALL LOVE GRASS	<i>Eragrostis pectinacea</i>
SMALL PEPPERCRESS	<i>Lepidium densiflorum</i>
SMARTWEED	<i>Polygonum punctatum</i>
SMOOTH ARROW-WOOD	<i>Viburnum recognitum</i>
SMOOTH BANK CRESS	<i>Arabis laevigata</i>
SMOOTH BLUE ASTER	<i>Aster laevis</i>
SMOOTH GRAB GRASS	<i>Digitaria ischaemum</i>
SMOOTH MEADOW RUE	<i>Thalictrum dasycarpum hyp.</i>
SMOOTH SWEET CICELY	<i>Osmorhiza longistylis</i>
SMOOTH SOLOMAN'S SEAL	<i>Polygonatum canaliculatum</i>
SMOOTH SUMAC	<i>Rhus glabra</i>
SNEEZEWEED	<i>Helenium autumnale</i>
SNOWY GOLDENROD	<i>Solidago speciosa</i>
SNOWY OBEDIENT PLANT	<i>Physostegia virginiana speciosa</i>

Common Name	Scientific Name
SNOWY TICK TREFOIL	<i>Desmodium canadense</i>
SOUR CHERRY	<i>Prunus cerasus</i>
SPINY SOW THISTLE	<i>Sonchus asper</i>
SPOTTED CREEPING SPURGE	<i>Euphorbia supina</i>
SPOTTED JOE PYE WEED	<i>Eupatorium maculatum</i>
SPOTTED KNAPWEED	<i>Centaurea maculosa</i>
SPREADING DOGBANE	<i>Apocynum androsaemifolium</i>
SPREADING OVAL SEDGE	<i>Carex normalis</i>
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>
STAGHORN SUMAC	<i>Rhus typhina</i>
STAR OF BETHLEHEM	<i>Ornithogalum umbellatum</i>
STICKSEED	<i>Hackelia virginiana</i>
STIFF BEDSTRAW	<i>Galium tinctorium</i>
STIFF GOLDENROD	<i>Solidago rigida</i>
STORE-FRONT SOW THISTLE	<i>Sonchus oleraceus</i>
STORKSBILL	<i>Erodium cicutarium</i>
SUGAR MAPLE	<i>Acer saccharum</i>
SWAMP AGRIMONY	<i>Agrimonia parviflora</i>
SWAMP ROSE	<i>Rosa palustris</i>
SWAMP MARIGOLD	<i>Bidens aristosa</i>
SWAMP MILKWEED	<i>Asclepias incarnata</i>
SWAMP BUTTERCUP	<i>Ranunculus septentrionalis</i>
SWAMP TICKSEED	<i>Bidens comosa</i>
SWEET BLACK-EYED SUSAN	<i>Rudbeckia subtomentosa</i>
SWEET-SCENTED BEDSTRAW	<i>Galium triflorum</i>
SWITCH GRASS	<i>Panicum virgatum</i>
SYCAMORE	<i>Platanus occidentalis</i>
TALL AGRIMONY	<i>Agrimonia gryposepala</i>
TALL ANEMONE	<i>Anemone virginiana</i>
TALL BELLFLOWER	<i>Campanula americana</i>
TALL BLUE LETTUCE	<i>Lactuca biennis</i>
TALL BONESET	<i>Eupatorium altissimum</i>
TALL COREOPSIS	<i>Coreopsis tripteris</i>
TALL FESCUE	<i>Festuca elatior</i>
TALL GOLDENROD	<i>Solidago altissima</i>
TALL GROUND CHERRY	<i>Physalis subglabrata</i>
TALL NETTLE	<i>Urtica procera</i>
TALL SCOURING RUSH	<i>Equisetum hyemale</i>
TALL SUNFLOWER	<i>Helianthus giganteus</i>
TALL SWAMP MARIGOLD	<i>Bidens coronata</i>
TALL WATER PARSNIP	<i>Sium suave</i>
TALL WOOD SORREL	<i>Oxalis europaea</i>

Common Name	Scientific Name
TALL YELLOW IRIS	<i>Iris pseudacorus</i>
TANSY	<i>Tanacetum vulgare</i>
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>
THICKET CREEPER	<i>Parthenocissus inserta</i>
THIMBLEWEED	<i>Anemone cylindrica</i>
THIN GRASS	<i>Agrostis perennans</i>
THREE-SEEDED MERCURY	<i>Acalypha rhomboidea</i>
THYME-LEAVED SPEEDWELL	<i>Veronica serpyllifolia</i>
TIMOTHY	<i>Phleum pratense</i>
TOAD RUSH	<i>Juncus bufonius</i>
TORREY'S RUSH	<i>Juncus torreyi</i>
TREE OF HEAVEN	<i>Ailanthus altissima</i>
TULIP TREE	<i>Liriodendron tulipifera</i>
TUMBLEWEED	<i>Amaranthus albus</i>
UPLAND HOG PEANUT	<i>Amphicarpaea bracteata</i>
UPRIGHT CARRION FLOWER	<i>Smilax ecirrhata</i>
UPRIGHT CINQUEFOIL	<i>Potentilla recta</i>
VELVET LEAF	<i>Abutilon theophrasti</i>
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>
VIRGINIA WATERLEAF	<i>Hydrophyllum virginianum</i>
VIRGINIA WILD RYE	<i>Elymus virginicus</i>
VISCID GRASS-LEAVED GOLDENROD	<i>Solidago gymnospermoides</i>
WAFER ASH	<i>Ptelea trifoliata</i>
WASHINGTON HAWTHORN	<i>Crataegus phaenopyrum</i>
WATER HEARTSEASE	<i>Polygonum coccineum</i>
WATER HEMLOCK	<i>Cicuta maculata</i>
WATER HEMP	<i>Acnida altissima</i>
WATER KNOTWEED	<i>Polygonum amphibium</i>
WATER PEPPER	<i>Polygonum hydropiper</i>
WAYFARING TREE	<i>Viburnum lantana</i>
WEeping WILLOW	<i>Salix babylonica</i>
WESTERN WHEAT GRASS	<i>Agropyron smithii</i>
WHITE ASH	<i>Fraxinus americana</i>
WHITE BANEbERRY	<i>Actaea pachypoda</i>
WHITE BEDSTRAW	<i>Galium mollugo</i>
WHITE CAMPION	<i>Lychnis alba</i>
WHITE CLOVER	<i>Trifolium repens</i>
WHITE GRASS	<i>Leersia virginica</i>
WHITE MULBERRY	<i>Morus alba</i>
WHITE OAK	<i>Quercus alba</i>
WHITE POPLAR	<i>Populus alba</i>
WHITE SAGE	<i>Artemisia ludoviciana</i>

Common Name	Scientific Name
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>
WHITE SWEET CLOVER	<i>Melilotus alba</i>
WHITE WILD INDIGO	<i>Baptisia leucantha</i>
WHITE WILLOW	<i>Salix alba</i>
WHORLED MILKWEED	<i>Asclepias verticillata</i>
WILD BERGAMOT	<i>Monarda fistulosa</i>
WILD BLACK CHERRY	<i>Prunus serotina</i>
WILD BLACK CURRANT	<i>Ribes americanum</i>
WILD COLUMBINE	<i>Aquilegia canadensis</i>
WILD GERANIUM	<i>Geranium maculatum</i>
WILD GINGER	<i>Asarum canadense</i>
WILD GOLDEN GLOW	<i>Rudbeckia laciniata</i>
WILD GOOSEBERRY	<i>Ribes missouriense</i>
WILD LETTUCE	<i>Lactuca canadensis</i>
WILD MINT	<i>Mentha arvensis villosa</i>
WILD ONION	<i>Allium canadense</i>
WILD PARSNIP	<i>Pastinaca sativa</i>
WILD PLUM	<i>Prunus americana</i>
WILD QUININE	<i>Parthenium integrifolium</i>
WILD SENNA	<i>Cassia hebecarpa</i>
WILD STRAWBERRY	<i>Fragaria virginiana</i>
WILD SWEET CRAB	<i>Malus coronaria</i>
WILD SWEET POTATO	<i>Ipomoea pandurata</i>
WILLOW ASTER	<i>Aster praealtus</i>
WILLOW LETTUCE	<i>Lactuca saligna</i>
WINGED LOOSESTRIFE	<i>Lythrum alatum</i>
WINGSTEM	<i>Actinomeris alternifolia</i>
WINTERCREEPER	<i>Euonymus fortunei</i>
WOLFBERRY	<i>Symphoricarpos occidentalis</i>
WOOD AVENS	<i>Geum canadense</i>
WOOD GRAY SEDGE	<i>Carex grisea</i>
WOODLAND BROME	<i>Bromus pubescens</i>
WOODLAND KNOTWEED	<i>Polygonum virginianum</i>
WOODLAND SUNFLOWER	<i>Helianthus divaricatus</i>
WOOD NETTLE	<i>Laportea canadensis</i>
YANKEE BLACKBERRY	<i>Rubus pensilvanicus</i>
YARROW	<i>Achillea millefolium</i>
YELLOW AVENS	<i>Geum aleppicum strictum</i>
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>
YELLOW FOXTAIL	<i>Setaria glauca</i>

Common Name	Scientific Name
YELLOW JEWELWEED	<i>Impatiens pallida</i>
YELLOW ROCKET	<i>Barbarea vulgaris</i>
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>

TABLE B-2. List of Common and Scientific Names for Dragonflies at 25 District Properties

Common Name	Scientific Name
AUTUMN MEADOWHAWK	<i>Sympetrum vicinum</i>
BAND-WINGED MEADOWHAWK	<i>Sympetrum semicinctum</i>
BLACK SADDLEBAGS	<i>Tramea lacerate</i>
BLUE DASHER	<i>Pachydiplax longipennis</i>
CALICO PENNANT	<i>Celithemis elisa</i>
CAROLINA SADDLEBAGS	<i>Tramea carolina</i>
COMET DARNER	<i>Anax longipes</i>
COMMON BASKETTAIL	<i>Epithica cynosure</i>
COMMON GREEN DARNER	<i>Anax junius</i>
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>
COMMON WHITETAIL	<i>Libellula lydia</i>
DOT-TAILED WHITEFACE	<i>Libellula intacta</i>
EASTERN AMBERWING	<i>Perithemus tenera</i>
HALLOWEEN PENNANT	<i>Celithemis eponina</i>
HINE'S EMERALD	<i>Somatachlora hineana</i>
JADE CLUBTAIL	<i>Arigomphus submedianus</i>
LANCE-TIPPED DARNER	<i>Aeshna constricta</i>
PRINCE BASKETTAIL	<i>Epithica princeps</i>
RED-MANTLED SADDLEBAGS	<i>Tramea onusta</i>
RUBY MEADOWHAWK	<i>Sympetrum rubincundulum</i>
RUSSETT-TIPPED CLUBTAIL	<i>Stylurus plagiatrus</i>
SHADOW DARNER	<i>Aeshna umbrosa</i>
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>
SWAMP DARNER	<i>Epiaeshna heros</i>
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>
UNICORN CLUBTAIL	<i>Arigomphus villosipes</i>
WANDERING GLIDER	<i>Pantala flavescens</i>
WHITE-FACED MEADOWHAWK	<i>Sympetrum obstrusum</i>
WIDOW SKIMMER	<i>Libellula luctuosa</i>

TABLE B-3. List of Common and Scientific Names for Damselflies at 25 District Properties

Common Name	Scientific Name
AMERICAN RUBYSPOOT	<i>Hataerina americana</i>
AZURE BLUET	<i>Enallagma aspersum</i>
BLUE-FRONTED DANCER	<i>Argia apicalis</i>
BLUE-TIPPED DANCER	<i>Argia tibialis</i>

Common Name	Scientific Name
CITRINE FORKTAIL	<i>Ischnura hastata</i>
DOUBLE-STRIPED BLUET	<i>Enallagma basidens</i>
EASTERN RED DAMSEL	<i>Amphiagrion saucium</i>
EASTERN FORKTAIL	<i>Ischnura verticalis</i>
EBONY JEWELWING	<i>Calopteryx maculate</i>
EMERALD SPREADWING	<i>Lestes dryas</i>
FAMILIAR BLUET	<i>Enallagma civile</i>
FRAGILE FORKTAIL	<i>Ischnura posita</i>
GREAT SPREADWING	<i>Archilestes grandis</i>
NORTHERN SPREADWING	<i>Lestes disjunctus</i>
ORANGE BLUET	<i>Enallagma signatum</i>
POWDERED DANCER	<i>Argia moesta</i>
RAINBOW BLUET	<i>Enallagma antennatum</i>
SEDGE SPRITE	<i>Nehalennia irene</i>
SKIMMING BLUET	<i>Enallagma geminatum</i>
SLENDER BLUET	<i>Enallagma traviatum</i>
SLENDER SPREADWING	<i>Lestes rectangularis</i>
SOUTHERN SPREADWING	<i>Lestes australis</i>
SPOTTED SPREADWING	<i>Lestes congener</i>
STREAM BLUET	<i>Enallagma exsulans</i>
SWEETFLAG SPREADWING	<i>Lestes forcipatus</i>
TULE BLUET	<i>Enallagma carunculatum</i>
VIOLET DANCER	<i>Argia fumipennis</i>

TABLE B-4. List of Common and Scientific Names for Butterflies at 25 District Properties

Common Name	Scientific Name
BLACK SWALLOWTAIL	<i>Papilio polyxenes</i>
BUCKEYE	<i>Junonia coenia</i>
CABBAGE WHITE	<i>Pieris rapae</i>
CLOUDLESS SULFUR	<i>Phoebis sennae</i>
COMMON SOOTYWING	<i>Pholisora catullus</i>
COMMON SULFUR	<i>Colias philodice</i>
EASTERN COMMA	<i>Polygonia comma</i>
EASTERN TAILED-BLUE	<i>Everes comyntas</i>
EUROPEAN SKIPPER	<i>Thymelicus lineola</i>
FIERY SKIPPER	<i>Hylephilia phileus</i>
GRAY HAIRSTREAK	<i>Strymon melinus</i>
GREAT SPANGELED FRITILLAR	<i>Speyeria cybele</i>
HACKBERRY BUTTERFLY	<i>Asterocampa celtis</i>
LEAST SKIPPER	<i>Ancyloxypha numitor</i>
LITTLE YELLOW	<i>Eurema lisa</i>
MONARCH	<i>Danaus plexippus</i>

Common Name	Scientific Name
ORANGE SULFUR	<i>Colias eurytheme</i>
PAINTED LADY	<i>Vanessa cardui</i>
PEARL CRESCENT	<i>Phyciodes tharos</i>
PECK'S SKIPPER	<i>Polites peckius</i>
QUESTION MARK	<i>Polgonia interrogation</i>
RED ADMIRAL	<i>Vanessa atalanta</i>
RED-SPOTTED PURPLE	<i>Limentis astyanax</i>
SILVER-SPOTTED SKIPPER	<i>Epargyreus clarus</i>
SUMMER AZURE	<i>Celastrina neglecta</i>
TAWNY EDGE SKIPPER	<i>Polites Themistocles</i>
TIGER SWALLOWTAIL	<i>Papilio glaucus</i>
VICEROY	<i>Limenitis archippus</i>
WILD INDIGO DUSKYWING	<i>Erynnis baptisiae</i>

TABLE B-5. List of Common and Scientific Names for Amphibians at 25 District Properties

Common Name	Scientific Name
AMERICAN TOAD	<i>Bufo americanus</i>
BULLFROG	<i>Rana catesbeiana</i>
GREEN FROG	<i>Rana clamitans</i>
NORTHERN CRICKET FROG	<i>Acris crepitans</i>
NORTHERN LEOPARD FROG	<i>Rana pipiens</i>
TIGER SALAMANDER	<i>Ambystoma tigrinum</i>

TABLE B-6. List of Common and Scientific Names for Reptiles at 25 District Properties

Common Name	Scientific Name
AMERICAN ALLIGATOR	<i>Alligator mississippiensis</i>
BROWN SNAKE	<i>Storeria dekayi</i>
COMMON SNAPPING TURTLE	<i>Chelydra serpentina</i>
COMMON MAP TURTLE	<i>Graptemys geographica</i>
EASTERN GARTER SNAKE	<i>Thamnophis sirtalis</i>
EASTERN MILKSNAKE	<i>Lampropeltis triangulum</i>
MIDLAND PAINTED TURTLE	<i>Chrysemys picta marginata</i>
NORTHERN WATER SNAKE	<i>Nerodia sipedon</i>
PLAINS GARTER SNAKE	<i>Thamnophis radix</i>
RED-EARED SLIDER	<i>Trachemys scripta</i>
SMOOTH GREEN SNAKE	<i>Opheodrys vernalis</i>
SPINY SOFTSHELL TURTLE	<i>Apalone spinifera</i>

TABLE B-7. List of Common and Scientific Names for Birds at 25 District Properties

Common Name	Scientific Name
ALDER FLYCATCHER	<i>Empidonax alnorum</i>
AMERICAN BITTERN	<i>Botaurus lentiginosus</i>
AMERICAN BLACK DUCK	<i>Anas rubripes</i>
AMERICAN COOT	<i>Fulica americana</i>
AMERICAN GOLDEN-PLOVER	<i>Pluvialis dominica</i>
AMERICAN GOLDFINCH	<i>Spinus tristis</i>
AMERICAN CROW	<i>Corvus brachyrhynchos</i>
AMERICAN KESTREL	<i>Falco sparverius</i>
AMERICAN WHITE PELICAN	<i>Pelecanus erythrorhynchos</i>
AMERICAN PIPIT	<i>Anthus rubescens</i>
AMERICAN REDSTART	<i>Setophaga ruticilla</i>
AMERICAN ROBIN	<i>Turdus migratorius</i>
AMERICAN TREE SPARROW	<i>Spizella arborea</i>
AMERICAN WIGEON	<i>Anas americana</i>
AMERICAN WOODCOCK	<i>Scolopax minor</i>
BAIRD'S SANDPIPER	<i>Calidris bairdii</i>
BALD EAGLE	<i>Haliaeetus leucocephalus</i>
BALTIMORE ORIOLE	<i>Icterus galbula</i>
BANK SWALLOW	<i>Riparia riparia</i>
BARN SWALLOW	<i>Hirundo rustica</i>
BAY-BREASTED WARBLER	<i>Dendroica castanea</i>
BELTED KINGFISHER	<i>Megaceryle alcyon</i>
BLACK-AND-WHITE WARBLER	<i>Mniotilta varia</i>
BLACK-BELLIED PLOVER	<i>Pluvialis squatarola</i>
BLACK-BILLED CUCKOO	<i>Coccyzus erythrophthalmus</i>
BLACKBURNIAN WARBLER	<i>Dendroica fusca</i>
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>
BLACK-CROWNED NIGHT-HERON	<i>Nycticorax nycticorax</i>
BLACKPOLL WARBLER	<i>Dendroica striata</i>
BLACK-THROATED GREEN WARBLER	<i>Dendroica virens</i>
BLUE-GRAY GNATCATCHER	<i>Poliotilta caerulea</i>
BLUE GROSBEAK	<i>Passerina caerulea</i>
BLUE JAY	<i>Cyanocitta cristata</i>
BLUE-WINGED TEAL	<i>Anas discors</i>
BLUE-WINGED WARBLER	<i>Vermivora cyanoptera</i>
BOBOLINK	<i>Dolichonyx oryzivorus</i>
BONAPARTE'S GULL	<i>Chroicocephalus philadelphia</i>
BROAD-WINGED HAWK	<i>Buteo platypterus</i>
BROWN CREEPER	<i>Certhia americana</i>
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>
BROWN THRASHER	<i>Toxostoma rufum</i>

Common Name	Scientific Name
BUFF-BREASTED SANDPIPER	<i>Tringites subruficollis</i>
BUFFLEHEAD	<i>Bucephala albeola</i>
CANADA GOOSE	<i>Branata canadensis</i>
CANADA WARBLER	<i>Wilsonia canadensis</i>
CANVASBACK	<i>Aythya valisineria</i>
CAPE MAY WARBLER	<i>Dendroica tigrina</i>
CASPIAN TERN	<i>Hydroprogne caspia</i>
CEDAR WAXWING	<i>Bombycilla cedrorum</i>
CHESTNUT-SIDED WARBLER	<i>Dendroica pensylvanica</i>
CHIMNEY SWIFT	<i>Chaetura pelagica</i>
CHIPPING SPARROW	<i>Spizella passerina</i>
CLAY-COLORED SPARROW	<i>Spizella pallida</i>
CLIFF SWALLOW	<i>Petrochelidon pyrrhonota</i>
GOLDEN-CROWNED KINGLET	<i>Regulus satrapa</i>
COMMON GOLDENEYE	<i>Bucephala clangula</i>
COMMON GRACKLE	<i>Quiscalus quiscula</i>
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>
COMMON MERGANSER	<i>Mergus merganser</i>
COMMON MOORHEN	<i>Gallinula chloropus</i>
CLIFF SWALLOW	<i>Petrochelidon pyrrhonota</i>
COOPER'S HAWK	<i>Accipiter cooperii</i>
DARK-EYED JUNCO	<i>Junco hyemalis</i>
DICKCISSEL	<i>Spiza americana</i>
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>
DOWNY WOODPECKER	<i>Picoides pubescens</i>
DUNLIN	<i>Calidris alpina</i>
EASTERN BLUEBIRD	<i>Sialia sialis</i>
EASTERN PHOEBE	<i>Sayornis phoebe</i>
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>
EASTERN MEADOWLARK	<i>Sturnella magna</i>
EASTERN TOWHEE	<i>Pipilo erythrophthalmus</i>
EASTERN WOOD-PEWEE	<i>Contopus virens</i>
EUROPEAN STARLING	<i>Sturnus vulgaris</i>
FIELD SPARROW	<i>Spizella pusilla</i>
FORESTER'S TERN	<i>Sterna forsteri</i>
FOX SPARROW	<i>Passerella iliaca</i>
GADWALL	<i>Anas strepera</i>
GOLDEN-CROWNED KINGLET	<i>Regulus satrapa</i>
GOLDEN-WINGED WARBLER	<i>Vermivora chrysoptera</i>
GRAY CATBIRD	<i>Dumetella carolinensis</i>
GREAT BLUE HERON	<i>Ardea herodias</i>
GREAT CRESTED FLYCATCHER	<i>Myiarchus crinitus</i>

Common Name	Scientific Name
GREAT EGRET	<i>Ardea alba</i>
GREATER YELLOWLEGS	<i>Tringa melanoleuca</i>
GREAT HORNED OWL	<i>Bubo virginianus</i>
GREATER SCAUP	<i>Aythya marila</i>
GREEN HERON	<i>Butorides virescens</i>
GREEN-WINGED TEAL	<i>Anas crecca</i>
HAIRY WOODPECKER	<i>Picoides villosus</i>
HENSLOW'S SPARROW	<i>Ammodramus henslowii</i>
HERRING GULL	<i>Larus argentatus</i>
HERMIT THRUSH	<i>Catharus guttatus</i>
HOODED MERGANSER	<i>Lophodytes cucullatus</i>
HORNED LARK	<i>Eremophila alpestris</i>
HORNED GREBE	<i>Podiceps auritus</i>
HOUSE FINCH	<i>Carpodacus mexicanus</i>
HOUSE SPARROW	<i>Passer domesticus</i>
HOUSE WREN	<i>Troglodytes aedon</i>
INDIGO BUNTING	<i>Passerina cyanea</i>
KILLDEER	<i>Charadrius vociferus</i>
LAPLAND LONGSPUR	<i>Calcarius lapponicus</i>
LEAST BITERN	<i>Ixobrychus exilis</i>
LEAST FLYCATCHER	<i>Empidonax minimus</i>
LEAST SANDPIPER	<i>Calidris minutilla</i>
LESSER SCAUP	<i>Aythya affinis</i>
LESSER YELLOWLEGS	<i>Tringa flavipes</i>
LINCOLN'S SPARROW	<i>Melospiza lincolni</i>
LITTLE BLUE HERON	<i>Egretta caerulea</i>
MAGNOLIA WARBLER	<i>Dendroica magnolia</i>
MALLARD	<i>Anas platyrhynchos</i>
MARSH WREN	<i>Cistothorus palustris</i>
MERLIN	<i>Falco columbarius</i>
MONK PARAKEET	<i>Myiopsitta monachus</i>
MOURNING DOVE	<i>Zenaida macroura</i>
MOURNING WARBLER	<i>Oporornis philadelphia</i>
MUTE SWAN	<i>Cygnus olor</i>
NASHVILLE WARBLER	<i>Oreothlypis ruficapilla</i>
NEOTROPIC CORMORANT	<i>Phalacrocorax brasilianus</i>
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>
NORTHERN FLICKER	<i>Colaptes auratus</i>
NORTHERN HARRIER	<i>Circus cyaneus</i>
NORTHERN PARULA	<i>Parula americana</i>
NORTHERN PINTAIL	<i>Anas acuta</i>
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>

Common Name	Scientific Name
NORTHERN SHOVELAR	<i>Anas clypeata</i>
NORTHERN WATERTHRUSH	<i>Parkesia noveboracensis</i>
ORANGE-CROWNED WARBLER	<i>Oreothlypis celata</i>
ORCHARD ORIOLE	<i>Icterus spurius</i>
OSPREY	<i>Pandion haliaetus</i>
OVENBIRD	<i>Seiurus aurocapilla</i>
PALM WARBLER	<i>Dendroica palmarum</i>
PECTORAL SANDPIPER	<i>Calidris melanotos</i>
PEREGRINE FALCON	<i>Falco peregrinus</i>
PHILADELPHIA VIREO	<i>Vireo philadelphicus</i>
PIED-BILLED GREBE	<i>Podilymbus podiceps</i>
PRAIRIE WARBLER	<i>Dendroica discolor</i>
PURPLE FINCH	<i>Carpodacus purpureus</i>
PURPLE MARTIN	<i>Progne subis</i>
RED-BELLIED WOODPECKER	<i>Melanerpes carolinus</i>
RED-BREASTED MERGANSER	<i>Mergus serrator</i>
RED-BREASTED NUTHATCH	<i>Sitta canadensis</i>
REDHEAD	<i>Aythya americana</i>
RED-HEADED WOODPECKER	<i>Melanerpes erythrocephalus</i>
RED-EYED VIREO	<i>Vireo olivaceus</i>
RED-TAILED HAWK	<i>Buteo jamaicensis</i>
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>
RING-BILLED GULL	<i>Larus delawarensis</i>
RING-NECKED DUCK	<i>Aythya collaris</i>
RING-NECKED PHEASANT	<i>Phasianus colchicus</i>
ROCK PIGEON	<i>Columba livia</i>
ROSE-BREASTED GROSBEAK	<i>Pheucticus ludovicianus</i>
ROUGH-LEGGED HAWK	<i>Buteo lagopus</i>
RUBY-CROWNED KINGLET	<i>Regulus calendula</i>
RUBY-THROATED HUMMINGBIRD	<i>Archilochus colubris</i>
RUDDY DUCK	<i>Oxyura jamaicensis</i>
RUSTY BLACKBIRD	<i>Euphagus carolinus</i>
SANDHILL CRANE	<i>Grus canadensis</i>
SAVANNAH SPARROW	<i>Passerculus sandwichensis</i>
SCARLET TANAGER	<i>Piranga olivacea</i>
SEDGE WREN	<i>Cistothorus platensis</i>
SEMIPALMATED PLOVER	<i>Charadrius semipalmatus</i>
SEMIPALMATED SANDPIPER	<i>Calidris pusilla</i>
SHARP-SKINNED HAWK	<i>Accipiter striatus</i>
SHORT-BILLED DOWITCHER	<i>Limnodromus griseus</i>
SNOW BUNTING	<i>Plectrophenax nivalis</i>
SOLITARY SANDPIPER	<i>Tringa solitaria</i>

Common Name	Scientific Name
SONG SPARROW	<i>Melospiza melodia</i>
SORA	<i>Porzana carolina</i>
SPOTTED SANDPIPER	<i>Actitis macularius</i>
STILT SANDPIPER	<i>Calidris himantopus</i>
SWAINSON'S THRUSH	<i>Catharus ustulatus</i>
SWAMP SPARROW	<i>Melospiza georgiana</i>
TREE SWALLOW	<i>Tachycineta bicolor</i>
TENNESSEE WARBLER	<i>Oreothlypis peregrina</i>
TURKEY VULURE	<i>Cathartes aura</i>
VESPER SPARROW	<i>Pooecetes gramineus</i>
VIRGINA RAIL	<i>Rallus limicola</i>
WARBLING VIREO	<i>Vireo gilvus</i>
WESTERN SANDPIPER	<i>Calidris mauri</i>
WHITE-BREADED NUTHATCH	<i>Sitta carolinensis</i>
WHITE-CROWNED SPARROW	<i>Zonotrichia leucophrys</i>
WHITE-THROATED SPARROW	<i>Zonotrichia albicollis</i>
WILLOW FLYCATCHER	<i>Empidonax traillii</i>
WILSON'S PHALAROPE	<i>Phalaropus tricolor</i>
WILSON'S SNIPE	<i>Gallinago delicata</i>
WILSON'S WARBLER	<i>Wilsonia pusilla</i>
WINTER WREN	<i>Troglodytes hiemalis</i>
WOOD THRUSH	<i>Hylocichla mustelina</i>
WOOD DUCK	<i>Aix sponsa</i>
YELLOW-BELLIED FLYCATCHER	<i>Empidonax flaviventris</i>
YELLOW-BELLIED SAPSUCKER	<i>Sphyrapicus varius</i>
YELLOW-CROWNED NIGHT-HERON	<i>Nyctanassa violacea</i>
YELLOW-BILLED CUCKOO	<i>Coccyzus americanus</i>
YELLOW-THROATED VIREO	<i>Vireo flavifrons</i>
YELLOW RAIL	<i>Coturnicops noveboracensis</i>
YELLOW-RUMPED WARBLER	<i>Dendroica coronata</i>
YELLOW WARBLER	<i>Dendroica petechia</i>

TABLE B-8. List of Common and Scientific Names for Mammals at 25 District Properties

Common Name	Scientific Name
AMERICAN BEAVER	<i>Castor canadensis</i>
AMERICAN MINK	<i>Neovision vison</i>
BROWN RAT	<i>Rattus norvegicus</i>
COYOTE	<i>Canis latrans</i>
DEER MOUSE	<i>Peromyscus maniculatus</i>
EASTERN CHIPMUNK	<i>Tamias striatus</i>
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>
EASTERN FOX SQUIRREL	<i>Sciurus niger</i>

Common Name	Scientific Name
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>
HOUSE MOUSE	<i>Mus musculus</i>
LONG-TAILED WEASEL	<i>Mustela frenata</i>
MASKED SHREW	<i>Sorex cinereus</i>
MEADOW VOLE	<i>Microtus pennsylvanicus</i>
MUSKRAT	<i>Ondatra zibethicus</i>
NORTHERN SHORT-TAILED SHREW	<i>Blarina brevicauda</i>
PRAIRIE VOLE	<i>Microtus ochrogaster</i>
RACCOON	<i>Procyon lotor</i>
STRIPED SKUNK	<i>Mephitis mephitis</i>
THIRTEEN-LINED GROUND SQUIRREL	<i>Spermophilus tridecemlineatus</i>
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>
WOODCHUCK	<i>Marmota monax</i>

Tables C

List of Common and Scientific Names for Plants and Animals Identified at Sites 1A through 59

TABLE C-1. List of Common and Scientific Names for Plants and Animals Identified at Site 1A

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
AMERICAN ELM	<i>Ulmus americana</i>	
AMERICAN HAZELNUT	<i>Corylus americana</i>	
AMERICAN LINDEN	<i>Tilia americana</i>	
APPLE	<i>Malus pumila</i>	
BENT GRASS	<i>Agrostis alba palustris</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLACK WALNUT	<i>Juglans nigra</i>	
BOX ELDER	<i>Acer negundo</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	
CANADIAN BLACK SNAKEROOT	<i>Sanicula canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CHOKE CHERRY	<i>Prunus virginiana</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
COMMON WOOD SEDGE	<i>Carex blanda</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
CREEPING SMARTWEED	<i>Polygonum cespitosum</i>	
CROWN VETCH	<i>Coronilla varia</i>	
CUP PLANT	<i>Silphium perfoliatum</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
DRUMMOND'S ASTER	<i>Aster sagittifolius drummondii</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
EUROPEAN Highbush CRANBERRY	<i>Viburnum opulus</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GRAY POPLAR	<i>Populus canescens</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	

Common Name	Scientific Name	Number of Animals Observed
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HONEWORT	<i>Cryptotaenia canadensis</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
HYBRID CRACK WILLOW	<i>Salix X rubens</i>	
INDIAN STRAWBERRY	<i>Duchesnea indica</i>	
JAPANESE BARBERRY	<i>Berberis thunbergii</i>	
KENTUCKY COFFEE TREE	<i>Gymnocladus dioica</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LILAC	<i>Syringa vulgaris</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
OHIO BUCKEYE	<i>Aesculus glabra</i>	
ORCHARD GRASS	<i>Dactylis glomerata</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>	
NANNYBERRY	<i>Viburnum lentago</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
NIMBLEWILL	<i>Muhlenbergia schreberi</i>	
POISON IVY	<i>Rhus radicans</i>	
POKEWEED	<i>Phytolacca americana</i>	
PRICKLY LETTUCE	<i>Lactuca serriola</i>	
PRICKLY WILD GOOSEBERRY	<i>Ribes cynosbati</i>	
PURPLE MEADOW RUE	<i>Thalictrum dasycarpum</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED ASH	<i>Fraxinus pennsylvanica</i>	
REDBUD	<i>Cercis canadensis</i>	
RED OAK	<i>Quercus rubra</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SHEPHERD'S PURSE	<i>Capsella bursa-pastoris</i>	
SHOWY FLY HONEYSUCKLE	<i>Lonicera X bella</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SIDEWALK KNOTWEED	<i>Polygonum arenastrum</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMOOTH SWEET CICELY	<i>Osmorhiza longistylis</i>	
STAGHORN SUMAC	<i>Rhus typhina</i>	
STIFF GOLDENROD	<i>Solidago rigida</i>	
SUGAR MAPLE	<i>Acer saccharum</i>	
SYCAMORE	<i>Platanus occidentalis</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL WOOD SORREL	<i>Oxalis europaea</i>	

Common Name	Scientific Name	Number of Animals Observed
THICKET CREEPER	<i>Parthenocissus inserta</i>	
TULIP TREE	<i>Liriodendron tulipifera</i>	
VIRGINIA WATERLEAF	<i>Hydrophyllum virginianum</i>	
WAYFARING TREE	<i>Viburnum lantana</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE OAK	<i>Quercus alba</i>	
WHITE POPLAR	<i>Populus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD ONION	<i>Allium canadense</i>	
WILD STRAWBERRY	<i>Fragaria virginiana</i>	
WOLFBERRY	<i>Symphoricarpos occidentalis</i>	
WOOD AVENS	<i>Geum canadense</i>	
WOOD GRAY SEDGE	<i>Carex grisea</i>	
WOODLAND KNOTWEED	<i>Polygonum virginianum</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
DRAGONFLIES		
AUTUMN MEADOWHAWK	<i>Sympetrum vicinum</i>	1
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	1
BLUE DASHER	<i>Pachydiplax longipennis</i>	2
COMMON GREEN DARNER	<i>Anax junius</i>	5
PRINCE BASKETTAIL	<i>Epithica princeps</i>	1
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	2
DAMSELFLIES		
TULE BLUET	<i>Enallagma carunculatum</i>	3
BUTTERFLIES		
CABBAGE WHITE	<i>Pieris rapae</i>	2
FIERY SKIPPER	<i>Hylephilia phileus</i>	6
QUESTION MARK	<i>Polgonia interrogationi</i>	1
RED ADMIRAL	<i>Vanessa atalanta</i>	11
SUMMER AZURE	<i>Celastrina neglecta</i>	4
REPTILES		
COMMON SNAPPING TURTLE	<i>Chelydra serpenina</i>	2
RED-EARED SLIDER	<i>Trachemys scripta</i>	1
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN CROW	<i>Corvus brachyrhynchos</i>	
AMERICAN ROBIN	<i>Turdud migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BELTED KINGFISHER	<i>Megaceryle alcyon</i>	

Common Name	Scientific Name	Number of Animals Observed
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
CHIPPING SPARROW	<i>Spizella passerina</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
DARK-EYED JUNCO	<i>Junco hyemalis</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN PHOEBE	<i>Sayornis phoebe</i>	
EASTERN WOOD-PEWEE	<i>Contopus virens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GOLDEN-CROWNED KINGLET	<i>Regulus satrapa</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
HAIRY WOODPECKER	<i>Picoides villosus</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RED-EYED VIREO	<i>Vireo olivaceus</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-NECKED PHEASANT	<i>Phasianus colchicus</i>	
ROCK PIGEON	<i>Columba livia</i>	
TENNESSEE WARBLER	<i>Oreothlypis peregrina</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WHITE-THROATED SPARROW	<i>Zonotrichia albicollis</i>	
YELLOW-RUMPED WARBLER	<i>Dendroica coronata</i>	
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
EASTERN CHIPMUNK	<i>Tamias striatus</i>	7
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
RACCOON	<i>Procyon lotor</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	16

TABLE C-2. List of Common and Scientific Names for Plants and Animals Identified at Site 1B

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
AMERICAN LINDEN	<i>Tilia americana</i>	
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
ASPARAGUS	<i>Asparagus officinalis</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	

Common Name	Scientific Name	Number of Animals Observed
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BITTERNUT HICKORY	<i>Carya cordiformis</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLACK WALNUT	<i>Juglans nigra</i>	
BOX ELDER	<i>Acer negundo</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	
BURNING BUSH	<i>Euonymus alatus</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CHOKE CHERRY	<i>Prunus virginiana</i>	
CLUSTERED BLACK SNAKEROOT	<i>Sanicula gregaria</i>	
COMMON BALM	<i>Melissa officinalis</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON CHICKWEED	<i>Stellaria media</i>	
COMMON DAY FLOWER	<i>Commelina communis</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON GOAT'S BEARD	<i>Tragopogon pratensis</i>	
COMMON MALLOW	<i>Malva neglecta</i>	
COMMON ORACH	<i>Atriplex patula</i>	
COMMON PEPPERCRESS	<i>Lepidium virginicum</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON PRIVET	<i>Ligustrum vulgare</i>	
COMMON RAGWEED	<i>Ambrosia artemisiifolia elatior</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
COMMON WOOD SEDGE	<i>Carex blanda</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
DOWNY HAWTHORN	<i>Crataegus mollis</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
EARLY WILD ROSE	<i>Rosa blanda</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
EUROPEAN HIGHBUSH CRANBERRY	<i>Viburnum opulus</i>	
EUROPEAN MOUNTAIN ASH	<i>Sorbus aucuparia</i>	
EVERGREEN BLACKBERRY	<i>Rubus laciniatus</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD HAWKWEED	<i>Hieracium caespitosum</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	

Common Name	Scientific Name	Number of Animals Observed
GOLDEN ALEXANDERS	<i>Zizia aurea</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREEN AMARANTH	<i>Amaranthus hybridus</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY CRAB GRASS	<i>Digitaria sanguinalis</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORSETAIL	<i>Equisetum arvense</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
HYBRID CRACK WILLOW	<i>Salix X rubens</i>	
ILLINOIS ROSE	<i>Rosa setigera</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LITTLE LEAF LINDEN	<i>Tilia cordalus</i>	
MARSH FLEABANE	<i>Erigeron philadelphicus</i>	
MOUSE-EAR CHICKWEED	<i>Cerastium vulgatum</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
NANNYBERRY	<i>Viburnum lentago</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
NORWAY MAPLE	<i>Acer platanoides</i>	
PASTURE ROSE	<i>Rosa carolina</i>	
PATH RUSH	<i>Juncus tenuis</i>	
PERENNIAL RYE GRASS	<i>Lolium perenne</i>	
PERIWINKLE	<i>Vinca minor</i>	
PINEAPPLE WEED	<i>Matricaria matricarioides</i>	
POISON IVY	<i>Rhus radicans</i>	
PURPLE MEADOW RUE	<i>Thalictrum dasycarpum</i>	
PURSLANE	<i>Portulaca oleracea</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RATTLESNAKE FERN	<i>Botrychium virginianum</i>	
RED ASH	<i>Fraxinus pennsylvanica</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED CURRANT	<i>Ribes sativum</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	

Common Name	Scientific Name	Number of Animals Observed
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROUGH ROSE	<i>Rosa X rudiuscula</i>	
SCENTLESS CHAMOMILE	<i>Matricaria maritima agrestis</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SHEPHERD'S PURSE	<i>Capsella bursa-pastoris</i>	
SHOWY FLY HONEYSUCKLE	<i>Lonicera X bella</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SIDEWALK KNOTWEED	<i>Polygonum arenastrum</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMALL LOVE GRASS	<i>Eragrostis pectinacea</i>	
SMALL PEPPERCRESS	<i>Lepidium densiflorum</i>	
SMOOTH CRAB GRASS	<i>Digitaria ischaemum</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
SPOTTED CREEPING SPURGE	<i>Euphorbia supina</i>	
SPREADING OVAL SEDGE	<i>Carex normalis</i>	
STAGHORN SUMAC	<i>Rhus typhina</i>	
STICKSEED	<i>Hackelia virginiana</i>	
SUGAR MAPLE	<i>Acer saccharum</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL WOOD SORREL	<i>Oxalis europaea</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
TIMOTHY	<i>Phleum pratense</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
TUMBLEWEED	<i>Amaranthus albus</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
WAYFARING TREE	<i>Viburnum lantana</i>	
WHITE ASH	<i>Fraxinus americana</i>	
WHITE CAMPION	<i>Lychnis alba</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE OAK	<i>Quercus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD GERANIUM	<i>Geranium maculatum</i>	
WILD GOOSEBERRY	<i>Ribes missouriense</i>	
WILD ONION	<i>Allium canadense</i>	

Common Name	Scientific Name	Number of Animals Observed
WILD PARSNIP	<i>Pastinaca sativa</i>	
WILD STRAWBERRY	<i>Fragaria virginiana</i>	
WINTERCREEPER	<i>Euonymus fortunei</i>	
WOOD AVENS	<i>Geum canadense</i>	
WOOD GRAY SEDGE	<i>Carex grisea</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
YELLOW ROCKET	<i>Barbarea vulgaris</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tamea lacerate</i>	8
BLUE DASHER	<i>Pachydiplax longipennis</i>	6
COMMON GREEN DARNER	<i>Anax junius</i>	46
COMMON WHITETAIL	<i>Libellula lydia</i>	1
PRINCE BASKETTAIL	<i>Epithica princeps</i>	3
RED-MANTLED SADDLEBAGS	<i>Tamea onusta</i>	2
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	2
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	2
WANDERING GLIDER	<i>Pantala flavescens</i>	5
WIDOW SKIMMER	<i>Libellula luctuosa</i>	1
DAMSELFLIES		
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	7
EBONY JEWELWING	<i>Calopteryx maculate</i>	1
FAMILIAR BLUET	<i>Enallagma civile</i>	1
ORANGE BLUET	<i>Enallagma signatum</i>	3
STREAM BLUET	<i>Enallagma exsulans</i>	20
BUTTERFLIES		
BUCKEYE	<i>Junonia coenia</i>	1
CABBAGE WHITE	<i>Pieris rapae</i>	5
PECK'S SKIPPER	<i>Polites peckius</i>	2
QUESTION MARK	<i>Polgonia interrogationi</i>	2
RED ADMIRAL	<i>Vanessa atalanta</i>	3
SUMMER AZURE	<i>Celastrina neglecta</i>	7
TAWNY EDGE SKIPPER	<i>Polites themistocles</i>	1
REPTILES		
COMMON SNAPPING TURTLE	<i>Chelydra serpenina</i>	4
COMMON MAP TURTLE	<i>Graptemys geographica</i>	15
SPINY SOFTSHELL TURTLE	<i>Apalone spinifera</i>	1
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN CROW	<i>Corvus brachyrhynchos</i>	
AMERICAN ROBIN	<i>Turdud migratorius</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BELTED KINGFISHER	<i>Megaceryle alcyon</i>	

Common Name	Scientific Name	Number of Animals Observed
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLUE-GRAY GNATCATCHER	<i>Poliophtila caerulea</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN WOOD-PEWEE	<i>Contopus virens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREAT CRESTED FLYCATCHER	<i>Myiarchus crinitus</i>	
GREEN HERON	<i>Butorides virescens</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
OVENBIRD	<i>Seiurus aurocapilla</i>	
RED-EYED VIREO	<i>Vireo olivaceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WHITE-THROATED SPARROW	<i>Zonotrichia albicollis</i>	
WOOD DUCK	<i>Aix sponsa</i>	
YELLOW-RUMPED WARBLER	<i>Dendroica coronate</i>	
MAMMALS		
BROWN RAT	<i>Rattus norvegicus</i>	
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
RACCOON	<i>Procyon lotor</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	53

TABLE C-3. List of Common and Scientific Names for Plants and Animals Identified at Site 2

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
AMERICAN ELM	<i>Ulmus americana</i>	
AMERICAN LINDEN	<i>Tilia americana</i>	
ANNUAL FLEABANE	<i>Erigeron annus</i>	
APPLE	<i>Malus pumila</i>	

Common Name	Scientific Name	Number of Animals Observed
BIG BLUESTEM GRASS	<i>Andropogon gerardii</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK LOCUST	<i>robinia pseudoacacia</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BOX ELDER	<i>Acer negundo</i>	
BROAD-LEAVED PURPLE CONEFLOWER	<i>Echinacea purpurea</i>	
BUR OAK	<i>Quercus macrocarpa</i>	
BUTTERFLY WEED	<i>Asclepias tuberosa</i>	
CANADA WILD RICE	<i>Elymus canadensis</i>	
CANADIAN BLACK SNAKEROOT	<i>Sanicula canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CHOKO CHERRY	<i>Prunus virginiana</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BONESET	<i>Eupatorium perfoliatum</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON CHICKWEED	<i>Stellaria media</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON ORACH	<i>Atriplex patula</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON SPIDERWORT	<i>Tradescantia ohioensis</i>	
COMMON WATER HOREHOUND	<i>Lycopus americanus</i>	
COMMON WOOD SEDGE	<i>Carex blanda</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
CULVER'S ROOT	<i>Veronicastrum virginicum</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
DARK GREEN RUSH	<i>Scirpus atrovirens</i>	
DOWNY HAWTHORN	<i>Crataegus mollis</i>	
DRUMMOND'S ASTER	<i>Aster sagittifolius drummondii</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
EUROPEAN LARCH	<i>Larix decidua</i>	
EUROPEAN WATER MILFOIL	<i>Myriophyllum spicatum</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FLOWERING SPURGE	<i>Euphorbia corollata</i>	
FRAGRANT SUMAC	<i>Rhus aromatica</i>	

Common Name	Scientific Name	Number of Animals Observed
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GOLDEN ALEXANDERS	<i>Zizia aurea</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HOARY VERVAIN	<i>Verbena stricta</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
HYBRID CRACK WILLOW	<i>Salix X rubens</i>	
JAPANESE HONEYSUCKLE	<i>Lonicera japonica</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LATE GOLDENROD	<i>Solidago gigantea</i>	
LEAD PLANT	<i>Amorpha canescens</i>	
LITTLE BLUESTEM GRASS	<i>Andropogon scoparius</i>	
MAD-DOG SKULLCAP	<i>Scutellaria lateriflora</i>	
MARSH BLAZING STAR	<i>Liastris spicata</i>	
MARSH PHLOX	<i>Phlox glaberrima interior</i>	
MEADOW ANEMONE	<i>Anemone canadensis</i>	
MOONSEED	<i>Menispermum canadense</i>	
MOTHERWORT	<i>Leonurus cardiaca</i>	
NODDING WILD ONION	<i>Allium cernuum</i>	
NORWAY MAPLE	<i>Acer platanoides</i>	
ORANGE DAY LILY	<i>Hemerocallis fulva</i>	
ORCHARD GRASS	<i>Dactylis glomerata</i>	
PATH RUSH	<i>Juncus tenuis</i>	
PELLITORY	<i>Parietaria pensylvanica</i>	
PENNY CRESS	<i>Thlaspi arvense</i>	
PINEAPPLE WEED	<i>Matricaria matricarioides</i>	
PIN OAK	<i>Quercus palustris</i>	
PLUM-LEAVED CRAB	<i>Malus prunifolia</i>	
POISON IVY	<i>Rhus radicans</i>	
PRAIRIE ALUM ROOT	<i>Heuchera richardsonii</i>	
PRAIRIE COREOPSIS	<i>Coreopsis palmata</i>	
PRAIRIE DROPSEED	<i>Sporobolus heterolepis</i>	
PRAIRIE INDIAN HEMP	<i>Apocynum sibiricum</i>	
PRICKLY LETTUCE	<i>Lactuca serriola</i>	
PURPLE JOE PYE WEED	<i>Eupatorium purpureum</i>	

Common Name	Scientific Name	Number of Animals Observed
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RATTLESNAKE MASTER	<i>Eryngium yuccifolium</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED OAK	<i>Quercus rubra</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
SAND COREOPSIS	<i>Coreopsis lanceolata</i>	
SAWTOOTH SUNFLOWER	<i>Helianthus grosseserratus</i>	
SERVICEBERRY	<i>Amelanchier arborea</i>	
SHEPHERD'S PURSE	<i>Capsella bursa-pastoris</i>	
SHOOTING STAR	<i>Dodecatheon meadia</i>	
SHORT'S ASTER	<i>Aster shortii</i>	
SHOWY FLY HONEYSUCKLE	<i>Lonicera X bella</i>	
SHOWY GOLDENROD	<i>Solidago speciosa</i>	
SHOWY OBEDIENT PLANT	<i>Physostegia virginiana speciosa</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SIDE-FLOWERING ASTER	<i>Aster lateriflorus</i>	
SIDEWALK KNOTWEED	<i>Polygonum arenastrum</i>	
SILKY ASTER	<i>Aster sericeus</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMALL PEPPERCRESS	<i>Lepidium densiflorum</i>	
SMARTWEED	<i>Polygonum punctatum</i>	
SMOOTH BLUE ASTER	<i>Aster laevis</i>	
SMOOTH MEADOW RUE	<i>Thalictrum dasycarpum hyp.</i>	
SMOOTH SWEET CICELY	<i>Osmorhiza longistylis</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
STICKSEED	<i>Hackelia virginiana</i>	
SUGAR MAPLE	<i>Acer saccharum</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL COREOPSIS	<i>Coreopsis tripteris</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TALL WOOD SORREL	<i>Oxalis europaea</i>	
TALL YELLOW IRIS	<i>Iris pseudacorus</i>	
TANSY	<i>Tanacetum vulgare</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
THIMBLEWEED	<i>Anemone cylindrica</i>	
THREE-SEEDED MERCURY	<i>Acalypha rhomboidea</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	

Common Name	Scientific Name	Number of Animals Observed
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
VIRGINIA WATERLEAF	<i>Hydrophyllum virginianum</i>	
VIRGINIA WILD RYE	<i>Elymus virginicus</i>	
WASHINGTON HAWTHORN	<i>Crataegus phaenopyrum</i>	
WHITE ASH	<i>Fraxinus americana</i>	
WHITE CAMPION	<i>Lychnis alba</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE OAK	<i>Quercus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WHITE WILD INDIGO	<i>Baptisia leucantha</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD COLUMBINE	<i>Aquilegia canadensis</i>	
WILD GERANIUM	<i>Geranium maculatum</i>	
WILD GOLDEN GLOW	<i>Rudbeckia laciniata</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WOOD AVENS	<i>Geum canadense</i>	
WOOD GRAY SEDGE	<i>Carex grisea</i>	
WOODLAND KNOTWEED	<i>Polygonum virginianum</i>	
YARROW	<i>Achillea millefolium</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW ROCKET	<i>Barbarea vulgaris</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	10
COMMON GREEN DARNER	<i>Anax junius</i>	33
RED-MANTLED SADDLEBAGS	<i>Tramea onusta</i>	1
WANDERING GLIDER	<i>Pantala flavescens</i>	2
WIDOW SKIMMER	<i>Libellula luctuosa</i>	1
DAMSELFLIES		
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	1
EBONY JEWELWING	<i>Calopteryx maculate</i>	1
ORANGE BLUET	<i>Enallagma signatum</i>	4
VIOLET DANCER	<i>Argia fumipennis</i>	1
BUTTERFLIES		
CABBAGE WHITE	<i>Pieris rapae</i>	3
MONARCH	<i>Danaus plexippus</i>	1
ORANGE SULFUR	<i>Colias eurytheme</i>	1
QUESTION MARK	<i>Polgonia interrogationi</i>	1
RED ADMIRAL	<i>Vanessa atalanta</i>	4
SUMMER AZURE	<i>Celastrina neglecta</i>	1

Common Name	Scientific Name	Number of Animals Observed
TIGER SWALLOWTAIL	<i>Papilio glaucus</i>	1
WILD INDIGO DUSKYWING	<i>Erynnis baptisiae</i>	1
REPTILES		
RED-EARED SLIDER	<i>Trachemys scripta</i>	3
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CASPIAN TERN	<i>Hydroprogne caspia</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GOLDEN-CROWNED KINGLET	<i>Regulus satrapa</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT CRESTED FLYCATCHER	<i>Myiarchus crinitus</i>	
GREEN HERON	<i>Butorides virescens</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RED-EYED VIREO	<i>Vireo olivaceus</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
RUBY-CROWNED KINGLET	<i>Regulus calendula</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WHITE-THROATED SPARROW	<i>Zonotrichia albicollis</i>	
YELLOW-BELLIED FLYCATCHER	<i>Empidonax flaviventris</i>	
YELLOW-RUMPED WARBLER	<i>Dendroica coronata</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	

Common Name	Scientific Name	Number of Animals Observed
MAMMALS		
BROWN RAT	<i>Rattus norvegicus</i>	2
EASTERN FOX SQUIRREL	<i>Sciurus niger</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
HOUSE MOUSE	<i>Mus musculus</i>	2
RACCOON	<i>Procyon lotor</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	6

TABLE C-4. List of Common and Scientific Names for Plants and Animals Identified at Site 3A

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
AMERICAN ELM	<i>Ulmus americana</i>	
AMUR HONEYSUCKLE	<i>Lonicera maackii</i>	
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
ASPARAGUS	<i>Asparagus officinalis</i>	
BALSAM RAGWORT	<i>Senecio pauperculus</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BEAK-SEEDED KNOTWEED	<i>Polygonum achoreum</i>	
BIENNIAL WORMWOOD	<i>Artemisia biennis</i>	
BIG BLUESTEM GRASS	<i>Andropogon gerardii</i>	
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK ASH	<i>Fraxinus nigra</i>	
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>	
BLACK LOCUST	<i>robinia pseudoacacia</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLACK SWALLOWWORT	<i>Cynanchum nigrum</i>	
BLACK WILLOW	<i>Salix nigra</i>	
BLUE VERVAIN	<i>Verbena hastata</i>	
BLUNT SPIKE RUSH	<i>Eleocharis obtusa</i>	
BOUNCING BET	<i>Saponaria officinalis</i>	
BOX ELDER	<i>Acer negundo</i>	
BRISTLY CAT BRIER	<i>Smilax tamnoides hispida</i>	
BROAD-LEAVED CATTAIL	<i>Typha latifolia</i>	
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>	
BUR OAK	<i>Quercus macrocarpa</i>	
BUTTERFLY WEED	<i>Asclepias tuberosa</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CANADA WILD RICE	<i>Elymus canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	

Common Name	Scientific Name	Number of Animals Observed
CHICORY	<i>Cichorium intybus</i>	
CHOKE CHERRY	<i>Prunus virginiana</i>	
CINNAMON WILLOW HERB	<i>Epilobium coloratum</i>	
CLEARWEED	<i>Pilea pumila</i>	
CLIMBING BITTERSWEET	<i>Celastrus scandens</i>	
CLUSTERED BLACK SNAKEROOT	<i>Sanicula gregaria</i>	
COCKLEBUR	<i>Xanthium strumarium</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON ARROWHEAD	<i>Sagittaria latifolia</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BONESET	<i>Eupatorium perfoliatum</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON CARRION FLOWER	<i>Smilax lasioneura</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON ST. JOHN'S WORT	<i>Hypericum perforatum</i>	
COMMON WATER PLANTAIN	<i>Alisma subcordatum</i>	
COMMON WOOD SEDGE	<i>Carex blanda</i>	
COMMON WOOD SORREL	<i>Oxalis stricta</i>	
COMMON WORMWOOD	<i>Artemisia absinthium</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
CRESTED OVAL SEDGE	<i>Carex cristatella</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>	
DARK GREEN RUSH	<i>Scirpus atrovirens</i>	
DEPTFORD PINK	<i>Dianthus armeria</i>	
DOWNY BROME	<i>Bromus tectorum</i>	
DOWNY HAWTHORN	<i>Crataegus mollis</i>	
DRUMMOND'S ASTER	<i>Aster sagittifolius drummondii</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
EARLY WILD ROSE	<i>Rosa blanda</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
EUROPEAN BELLFLOWER	<i>Campanula rapunculoides</i>	
EUROPEAN Highbush Cranberry	<i>Viburnum opulus</i>	

Common Name	Scientific Name	Number of Animals Observed
FALSE NETTLE	<i>Boehmeria cylindrica</i>	
FALSE SUNFLOWER	<i>Heliopsis helianthoides</i>	
FEATHERY FALSE SOLOMON'S SEAL	<i>Smilacina racemosa</i>	
FIELD CRESS	<i>Lepidium campestre</i>	
FIELD NUT SEDGE	<i>Cyperus esculentus</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FOWL MANNA GRASS	<i>Glyceria striata</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GERMANDER	<i>Teucrium canadense</i>	
GIANT RAGWEED	<i>Ambrosia trifida</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GREAT BULRUSH	<i>Scirpus validus creber</i>	
GREEN ASH	<i>Fraxinus pennsylvanica sub.</i>	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>	
HARD-STEMMED BULRUSH	<i>Scirpus acutus</i>	
HARDY CATALPA	<i>Catalpa speciosa</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HONEWORT	<i>Cryptotaenia canadensis</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
INDIAN HEMP	<i>Apocynum cannabinum</i>	
JACK-IN-THE-PULPIT	<i>Artisaema triphyllum</i>	
JAPANESE BARBERRY	<i>Berberis thunbergii</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LATE GOLDENROD	<i>Solidago gigantea</i>	
LILY-OF-THE-VALLEY	<i>Convallaria majalis</i>	
MARSH HEDGE NETTLE	<i>Stachys tenuifolia hispida</i>	
MOONSEED	<i>Menisperm canadense</i>	
MOTHERWORT	<i>Leonurus cardiaca</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
NARROW-LEAVED CATTAIL	<i>Typha angustifolia</i>	
NIMBLEWILL	<i>Muhlenbergia schreberi</i>	
NORWAY CINQUEFOIL	<i>Potentilla norvegica</i>	
OLD-FIELD PANIC GRASS	<i>Panicum implicatum</i>	
OLD WITCH GRASS	<i>Panicum capillare</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>	
PALE SUNFLOWER	<i>Helianthus decapetalus</i>	

Common Name	Scientific Name	Number of Animals Observed
PARTRIDGE PEA	<i>Cassia fasciculata</i>	
PASTURE ROSE	<i>Rosa carolina</i>	
PATH RUSH	<i>Juncus tenuis</i>	
POISON HEMLOCK	<i>Conium maculatum</i>	
POISON IVY	<i>Rhus radicans</i>	
POKEWEED	<i>Phytolacca americana</i>	
POVERTY OAT GRASS	<i>Danthonia spicata</i>	
PRICKLY WILD GOOSEBERRY	<i>Ribes cynosbati</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
PURPLE JOE PYE WEED	<i>Eupatorium purpureum</i>	
PUSSY TOES	<i>Antennaria plantaginifolia</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RATTLESNAKE FERN	<i>Botrychium virginianum</i>	
RED ASH	<i>Fraxinus pennsylvanica</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RICE CUT GRASS	<i>Leersia oryzoides</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
RIVER BULRUSH	<i>Scirpus fluviatilis</i>	
SALT-MEADOW GRASS	<i>Diplachne acuminata</i>	
SAWTOOTH SUNFLOWER	<i>Helianthus grosseserratus</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SHINGLE OAK	<i>Quercus imbricaria</i>	
SHORT-HEADED RUSH	<i>Juncus brachycephalus</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMOOTH SWEET CICELY	<i>Osmorhiza longistylis</i>	
SMOOTH SOLOMAN'S SEAL	<i>Polygonatum canaliculatum</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
SPINY SOW THISTLE	<i>Sonchus asper</i>	
SPOTTED KNAWEED	<i>Centaurea maculosa</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	
STICKSEED	<i>Hackelia virginiana</i>	
SWAMP TICKSEED	<i>Bidens comosa</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL ANEMONE	<i>Anemone virginiana</i>	
TALL BELLFLOWER	<i>Campanula americana</i>	

Common Name	Scientific Name	Number of Animals Observed
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TALL NETTLE	<i>Urtica procera</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
THREE-SEEDED MERCURY	<i>Acalypha rhomboidea</i>	
TIMOTHY	<i>Phleum pratense</i>	
TORREY'S RUSH	<i>Juncus torreyi</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
UPRIGHT CINQUEFOIL	<i>Potentilla recta</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
VIRGINIA WILD RYE	<i>Elymus virginicus</i>	
WAFER ASH	<i>Ptelea trifoliata</i>	
WATER HEMP	<i>Acnida altissima</i>	
WATER PEPPER	<i>Polygonum hydropiper</i>	
WHITE ASH	<i>Fraxinus americana</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE GRASS	<i>Leersia virginica</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD GERANIUM	<i>Geranium maculatum</i>	
WILD GOLDEN GLOW	<i>Rudbeckia laciniata</i>	
WILD GOOSEBERRY	<i>Ribes missouriense</i>	
WILD ONION	<i>Allium canadense</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WILD STRAWBERRY	<i>Fragaria virginiana</i>	
WILD SWEET CRAB	<i>Malus coronaria</i>	
WOOD AVENS	<i>Geum canadense</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
AUTUMN MEADOWHAWK	<i>Sympetrum vicinum</i>	1
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	16
BLUE DASHER	<i>Pachydiplax longipennis</i>	15
COMMON GREEN DARNER	<i>Anax junius</i>	9
COMMON WHITETAIL	<i>Libellula lydia</i>	65
EASTERN AMBERWING	<i>Perithemus tenera</i>	49

Common Name	Scientific Name	Number of Animals Observed
JADE CLUBTAIL	<i>Arigomphus submedianus</i>	23
LANCE-TIPPED DARNER	<i>Aeshna constricta</i>	5
PRINCE BASKETTAIL	<i>Epithica princeps</i>	7
RUBY MEADOWHAWK	<i>Sympetrum rubincundulum</i>	2
SHADOW DARNER	<i>Aeshna umbrosa</i>	2
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	2
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	6
WANDERING GLIDER	<i>Pantala flavescens</i>	4
WHITE-FACED MEADOWHAWK	<i>Sympetrum obstrusum</i>	4
WIDOW SKIMMER	<i>Libellula luctuosa</i>	5
DAMSELFLIES		
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	508
BLUE-TIPPED DANCER	<i>Argia tibialis</i>	172
CITRINE FORKTAIL	<i>Ischnura hastata</i>	1
DOUBLE-STRIPED BLUET	<i>Enallagma basidens</i>	1
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	98
EBONY JEWELWING	<i>Calopteryx maculate</i>	10
FAMILIAR BLUET	<i>Enallagma civile</i>	7
FRAGILE FORKTAIL	<i>Ischnura posita</i>	14
GREAT SPREADWING	<i>Archilestes grandis</i>	2
NORTHERN SPREADWING	<i>Lestes disjunctus</i>	1
ORANGE BLUET	<i>Enallagma signatum</i>	1
POWDERED DANCER	<i>Argia moesta</i>	3
SLENDER SPREADWING	<i>Lestes rectangularis</i>	4
SOUTHERN SPREADWING	<i>Lestes australis</i>	3
BUTTERFLIES		
BUCKEYE	<i>Junonia coenia</i>	47
CABBAGE WHITE	<i>Pieris rapae</i>	20
CLOUDLESS SULFUR	<i>Phoebis sennae</i>	1
COMMON SOOTYWING	<i>Pholisora catullus</i>	1
COMMON SULFUR	<i>Colias philodice</i>	1
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	11
FIERY SKIPPER	<i>Hylephilia phileus</i>	1
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	1
MONARCH	<i>Danaus plexippus</i>	2
ORANGE SULFUR	<i>Colias eurytheme</i>	3
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdud migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	

Common Name	Scientific Name	Number of Animals Observed
BLUE JAY	<i>Cyanocitta cristata</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
BROWN THRASHER	<i>Toxostoma rufum</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COOPER'S HAWK	<i>Accipiter cooperii</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN WOOD-PEWEE	<i>Contopus virens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREAT CRESTED FLYCATCHER	<i>Myiarchus crinitus</i>	
HAIRY WOODPECKER	<i>Picoides villosus</i>	
HERRING GULL	<i>Larus argentatus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MARSH WREN	<i>Cistothorus palustris</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RED-EYED VIREO	<i>Vireo olivaceus</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
EASTERN FOX SQUIRREL	<i>Sciurus niger</i>	2
RACCOON	<i>Procyon lotor</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	2

TABLE C-5. List of Common and Scientific Names for Plants and Animals Identified at Site 3B

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ALFALFA	<i>Medicago sativa</i>	
AMERICAN ELM	<i>Ulmus americana</i>	
AMERICAN LINDEN	<i>Tilia americana</i>	
AMUR HONEYSUCKLE	<i>Lonicera maackii</i>	
ANNUAL BEDSTRAW	<i>Galium asparine</i>	
ANNUAL FLEABANE	<i>Erigeron annus</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BIENNIAL WORMWOOD	<i>Artemisia biennis</i>	
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BITTERNUT HICKORY	<i>Carya cordiformis</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLACK WALNUT	<i>Juglans nigra</i>	
BLACK WILLOW	<i>Salix nigra</i>	
BLUE ASH	<i>Fraxinus quadrangulata</i>	
BLUE FLAG	<i>Iris virginica shrevei</i>	
BLUE JOINT GRASS	<i>Calamagrostis canadensis</i>	
BLUE VERVAIN	<i>Verbena hastata</i>	
BOUNCING BET	<i>Saponaria officinalis</i>	
BOX ELDER	<i>Acer negundo</i>	
BRISTLY CAT BRIER	<i>Smilax tamnoides hispida</i>	
BRISTLY CATTAIL SEDGE	<i>Carex frankii</i>	
BROAD-LEAVED CATTAIL	<i>Typha latifolia</i>	
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	
CANADA WILD RICE	<i>Elymus canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CHOKE CHERRY	<i>Prunus virginiana</i>	
CLEARWEED	<i>Pilea pumila</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
CLUSTERED BLACK SNAKEROOT	<i>Sanicula gregaria</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLUE-EYED GRASS	<i>Sisyrinchium albidum</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	

Common Name	Scientific Name	Number of Animals Observed
COMMON BUR SEDGE	<i>Carex grayi</i>	
COMMON CARRION FLOWER	<i>Smilax lasioneura</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON FOX SEDGE	<i>Carex stipata</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
COMMON ST. JOHN'S WORT	<i>Hypericum perforatum</i>	
COMMON WATER HOREHOUND	<i>Lycopus americanus</i>	
COMMON WOOD SEDGE	<i>Carex blanda</i>	
COMMON WOOD SORREL	<i>Oxalis stricta</i>	
CREEPING BUTTERCUP	<i>Ranunculus repens</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>	
DAME'S ROCKET	<i>Hesperis matronalis</i>	
DOWNY HAWTHORN	<i>Crataegus mollis</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
ENCHANTER'S NIGHTSHADE	<i>Circaea lutetiana canadensis</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
EUROPEAN Highbush CRANBERRY	<i>Viburnum opulus</i>	
FEATHERY FALSE SOLOMON'S SEAL	<i>Smilacina racemosa</i>	
FIELD OVAL SEDGE	<i>Carex molesta</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GERMANDER	<i>Teucrium canadense</i>	
GIANT RAGWEED	<i>Ambrosia trifida</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
GREEN DRAGON	<i>Arisaema dracontium</i>	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>	
HALBERD-LEAVED ROSE MALLOW	<i>Hibiscus laevis</i>	
HARDY CATALPA	<i>Catalpa speciosa</i>	
HEARTSEASE	<i>Polygonum lapathifolium</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HOARY VERVAIN	<i>Verbena stricta</i>	
HONEWORT	<i>Cryptotaenia canadensis</i>	
HOP HORNBEAM	<i>Ostrya virginiana</i>	

Common Name	Scientific Name	Number of Animals Observed
HUNGARIAN BROME	<i>Bromus intermis</i>	
INDIAN STRAWBERRY	<i>Duchesnea indica</i>	
ITALIAN RYE GRASS	<i>Lolium multiflorum</i>	
JACK-IN-THE-PULPIT	<i>Artisaema triphyllum</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LATE FIGWORT	<i>Scrophularia marilandica</i>	
LILY-OF-THE-VALLEY	<i>Convallaria majalis</i>	
LION'S FOOT	<i>Prenanthes alba</i>	
MARSH CRESS	<i>Rorippa palustris fernaldiana</i>	
MARSH FLEABANE	<i>Erigeron philadelphicus</i>	
MARSH HEDGE NETTLE	<i>Stachys tenuifolia hispida</i>	
MAY APPLE	<i>Podophyllum peltatum</i>	
MONEYWORT	<i>Lysimachia nummularia</i>	
MOTHERWORT	<i>Leonurus cardiaca</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
NARROW-LEAVED CATTAIL	<i>Typha angustifolia</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
NORWAY CINQUEFOIL	<i>Potentilla norvegica</i>	
ORANGE DAY LILY	<i>Hemerocallis fulva</i>	
ORANGE JEWELWEED	<i>Impatiens capensis</i>	
ORCHARD GRASS	<i>Dactylis glomerata</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>	
PANICLED ASTER	<i>Aster simplex</i>	
PASTURE THISTLE	<i>Cirsium discolor</i>	
PATH RUSH	<i>Juncus tenuis</i>	
POISON IVY	<i>Rhus radicans</i>	
POKEWEED	<i>Phytolacca americana</i>	
PRICKLY LETTUCE	<i>Lactuca serriola</i>	
PRICKLY WILD GOOSEBERRY	<i>Ribes cynosbati</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED ASH	<i>Fraxinus pennsylvanica</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED OAK	<i>Quercus rubra</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	

Common Name	Scientific Name	Number of Animals Observed
SIDE-FLOWERING ASTER	<i>Aster lateriflorus</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMOOTH SWEET CICELY	<i>Osmorhiza longistylis</i>	
SMOOTH SOLOMAN'S SEAL	<i>Polygonatum canaliculatum</i>	
SPINY SOW THISTLE	<i>Sonchus asper</i>	
SWAMP BUTTERCUP	<i>Ranunculus septentrionalis</i>	
SYCAMORE	<i>Platanus occidentalis</i>	
TALL BELLFLOWER	<i>Campanula americana</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL NETTLE	<i>Urtica procera</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
THREE-SEEDED MERCURY	<i>Acalypha rhomboidea</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
UPRIGHT CINQUEFOIL	<i>Potentilla recta</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
WHITE ASH	<i>Fraxinus americana</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE GRASS	<i>Leersia virginica</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD BLACK CURRANT	<i>Ribes americanum</i>	
WILD GERANIUM	<i>Geranium maculatum</i>	
WILD GINGER	<i>Asarum canadense</i>	
WILD GOLDEN GLOW	<i>Rudbeckia laciniata</i>	
WILD LETTUCE	<i>Lactuca canadensis</i>	
WILD MINT	<i>Mentha arvensis villosa</i>	
WINGED LOOSESTRIFE	<i>Lythrum alatum</i>	
WOOD AVENS	<i>Geum canadense</i>	
WOOD GRAY SEDGE	<i>Carex grisea</i>	
WOODLAND KNOTWEED	<i>Polygonum virginianum</i>	
WOOD NETTLE	<i>Laportea canadensis</i>	
YELLOW JEWELWEED	<i>Impatiens pallida</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	

Common Name	Scientific Name	Number of Animals Observed
DRAGONFLIES		
COMMON GREEN DARNER	<i>Anax junius</i>	2
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	1
COMMON WHITETAIL	<i>Libellula lydia</i>	17
EASTERN AMBERWING	<i>Perithemus tenera</i>	8
JADE CLUBTAIL	<i>Argomphus submedianus</i>	4
PRINCE BASKETTAIL	<i>Epithica princeps</i>	4
RUSSETT-TIPPED CLUBTAIL	<i>Stylurus plagiatus</i>	2
SHADOW DARNER	<i>Aeshna umbrosa</i>	1
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	1
WHITE-FACED MEADOWHAWK	<i>Sympetrum obstrusum</i>	1
WIDOW SKIMMER	<i>Libellula luctuosa</i>	10
DAMSELFLIES		
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	262
BLUE-TIPPED DANCER	<i>Argia tibialis</i>	83
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	4
EBONY JEWELWING	<i>Calopteryx maculate</i>	1
FRAGILE FORKTAIL	<i>Ischnura posita</i>	1
POWDERED DANCER	<i>Argia moesta</i>	30
SLENDER SPREADWING	<i>Lestes rectangularis</i>	1
STREAM BLUET	<i>Enallagma exsulans</i>	2
BUTTERFLIES		
EASTERN COMMMA	<i>Polygonia comma</i>	1
HACKBERRY BUTTERFLY	<i>Asterocampa celtis</i>	1
MONARCH	<i>Danaus plexippus</i>	2
QUESTION MARK	<i>Polygonia interrogationi</i>	2
RED ADMIRAL	<i>Vanessa atalanta</i>	3
RED-SPOTTED PURPLE	<i>Limentis astyanax</i>	2
AMPHIBIANS		
AMERICAN TOAD	<i>Bufo americanus</i>	25
BULLFROG	<i>Rana catesbeiana</i>	>100
GREEN FROG	<i>Rana clamitans</i>	>100
REPTILES		
COMMON MAP TURTLE	<i>Graptemys geographica</i>	13
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN CROW	<i>Corvus brachyrhynchos</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLUE JAY	<i>Cyanocitta cristata</i>	

Common Name	Scientific Name	Number of Animals Observed
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CASPIAN TERN	<i>Hydroprogne caspia</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COOPER'S HAWK	<i>Accipiter cooperii</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EASTERN WOOD-PEWEE	<i>Contopus virens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREAT CRESTED FLYCATCHER	<i>Myiarchus crinitus</i>	
GREEN HERON	<i>Butorides virescens</i>	
HAIRY WOODPECKER	<i>Picoides villosus</i>	
HERRING GULL	<i>Larus argentatus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MARSH WREN	<i>Cistothorus palustris</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RED-BELLIED WOODPECKER	<i>Melanerpes carolinus</i>	
RED-EYED VIREO	<i>Vireo olivaceus</i>	
RED-TAILED HAWK	<i>Buteo jamaicensis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROSE-BREASTED GROSBEAK	<i>Pheucticus ludovicianus</i>	
SOLITARY SANDPIPER	<i>Tringa solitaria</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WHITE-BREASTED NUTHATCH	<i>Sitta carolinensis</i>	
YELLOW-BILLED CUCKOO	<i>Cooccyzus americanus</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
RACCOON	<i>Procyon lotor</i>	7
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	5

TABLE C-6. List of Common and Scientific Names for Plants and Animals Identified at Site 4A

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
AMERICAN ELM	<i>Ulmus americana</i>	
AMUR HONEYSUCKLE	<i>Lonicera maackii</i>	
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLACK WILLOW	<i>Salix nigra</i>	
BLUE JOINT GRASS	<i>Calamagrostis canadensis</i>	
BOX ELDER	<i>Acer negundo</i>	
BUGLE WEED	<i>Lycopus virginicus</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CANADA WILD RICE	<i>Elymus canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CINNAMON WILLOW HERB	<i>Epilobium coloratum</i>	
CLEARWEED	<i>Pilea pumila</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
CLUSTERED BLACK SNAKEROOT	<i>Sanicula gregaria</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BONESET	<i>Eupatorium perfoliatum</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON CINQUEFOIL	<i>Potentilla simplex</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia</i>	
COMMON IRONWEED	<i>Vernonia fasciculata</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON TEASEL	<i>Dipsacus sylvestris</i>	
COMMON WATER HOREHOUND	<i>Lycopus americanus</i>	
COMMON WOOD SEDGE	<i>Carex blanda</i>	
COMMON WOOD SORREL	<i>Oxalis stricta</i>	
COMMON WORMWOOD	<i>Artemisia absinthium</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
DEPTFORD PINK	<i>Dianthus armeria</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
EUROPEAN Highbush CRANBERRY	<i>Viburnum opulus</i>	
FALSE NETTLE	<i>Boehmeria cylindrica</i>	

Common Name	Scientific Name	Number of Animals Observed
FIELD THISTLE	<i>Cirsium arvense</i>	
FOWL MANNA GRASS	<i>Glyceria striata</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GERMANDER	<i>Teucrium canadense</i>	
GIANT FOXTAIL	<i>Setaria faberi</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREAT BULRUSH	<i>Scirpus validus creber</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HEMP	<i>Cannabis sativa</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORSE NETTLE	<i>Solanum carolinense</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
ILLINOIS ROSE	<i>Rosa setigera</i>	
JAPANESE BARBERRY	<i>Berberis thunbergii</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LATE GOLDENROD	<i>Solidago gigantea</i>	
MARSH SKULLCAP	<i>Scutellaria epilobifolia</i>	
MEADOW ANEMONE	<i>Anemone canadensis</i>	
MOTHERWORT	<i>Leonurus cardiaca</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
NIMBLEWILL	<i>Muhlenbergia schreberi</i>	
NODDING LADIES' TRESSES	<i>Spiranthes cernua</i>	
OLD-FIELD GOLDENROD	<i>Solidago nemoralis</i>	
OLD-FIELD PANIC GRASS	<i>Panicum implicatum</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>	
PANICLED ASTER	<i>Aster simplex</i>	
PASTURE ROSE	<i>Rosa carolina</i>	
PASTURE THISTLE	<i>Cirsium discolor</i>	
PENNY CRESS	<i>Thlaspi arvense</i>	
POISON HEMLOCK	<i>Conium maculatum</i>	
POISON IVY	<i>Rhus radicans</i>	
PRAIRIE INDIAN HEMP	<i>Apocynum sibiricum</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	

Common Name	Scientific Name	Number of Animals Observed
RED ASH	<i>Fraxinus pennsylvanica</i>	
RED BULRUSH	<i>Scirpus pendulus</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED-OSIER DOGWOOD	<i>Cornus stolonifera</i>	
RED-ROOTED SPIKE RUSH	<i>Eleocharis erythropoda</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RICE CUT GRASS	<i>Leersia oryzoides</i>	
ROUGH DROPSEED	<i>Sporobolus asper</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SIDE-FLOWERING ASTER	<i>Aster lateriflorus</i>	
SMOOTH CRAB GRASS	<i>Digitaria ischaemum</i>	
STICKSEED	<i>Hackelia virginiana</i>	
SWAMP MARIGOLD	<i>Bidens aristosa</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
THREE-SEEDED MERCURY	<i>Acalypha rhomboidea</i>	
TORREY'S RUSH	<i>Juncus torreyi</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
VIRGINIA WILD RYE	<i>Elymus virginicus</i>	
WATER HEMP	<i>Acnida altissima</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD GOLDEN GLOW	<i>Rudbeckia laciniata</i>	
WILD LETTUCE	<i>Lactuca canadensis</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WILD STRAWBERRY	<i>Fragaria virginiana</i>	
WINGSTEM	<i>Actinomeris alternifolia</i>	
WOOD AVENS	<i>Geum canadense</i>	
WOODLAND BROME	<i>Bromus pubescens</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
BLUE DASHER	<i>Pachydiplax longipennis</i>	18
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	4
COMMON WHITETAIL	<i>Libellula lydia</i>	13

Common Name	Scientific Name	Number of Animals Observed
JADE CLUBTAIL	<i>Arigomphus submedianus</i>	1
WIDOW SKIMMER	<i>Libellula luctuosa</i>	5
DAMSELFLIES		
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	5
EBONY JEWELWING	<i>Calopteryx maculate</i>	1
EMERALD SPREADWING	<i>Lestes dryas</i>	12
FRAGILE FORKTAIL	<i>Ischnura posita</i>	1
SLENDER SPREADWING	<i>Lestes rectangularis</i>	9
STREAM BLUET	<i>Enallagma exsulans</i>	2
BUTTERFLIES		
RED ADMIRAL	<i>Vanessa atalanta</i>	1
AMPHIBIANS		
AMERICAN TOAD	<i>Bufo americanus</i>	19
REPTILES		
BROWN SNAKE	<i>Storeria dekayi</i>	1
EASTERN GARTER SNAKE	<i>Thamnophis sirtalis</i>	18
BIRDS		
AMERICAN CROW	<i>Corvus brachyrhynchos</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BELTED KINGFISHER	<i>Megaceryle alcyon</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLUE JAY	<i>Cyanocitta cristata</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT CRESTED FLYCATCHER	<i>Myiarchus crinitus</i>	
GREEN HERON	<i>Butorides virescens</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
ROCK PIGEON	<i>Columba livia</i>	
ROSE-BREASTED GROSBEAK	<i>Pheucticus ludovicianus</i>	
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
COYOTE	<i>Canis latrans</i>	3
DEER MOUSE	<i>Peromyscus maniculatus</i>	1
EASTERN FOX SQUIRREL	<i>Sciurus niger</i>	2
NORTHERN SHORT-TAILED SHREW	<i>Blarina brevicauda</i>	2

Common Name	Scientific Name	Number of Animals Observed
RACCOON	<i>Procyon lotor</i>	3
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	77
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	2

TABLE C-7. List of Common and Scientific Names for Plants and Animals Identified at Site 4B

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
BIG BLUESTEM GRASS	<i>Andropogon gerardii</i>	
BOX ELDER	<i>Acer negundo</i>	
CANADA GOLDENROD	<i>Solidago canadensis</i>	
COMMON BLACKBERRY	<i>Rubus allegheniensis</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON FLY HONEYSUCKLE	<i>Lonicera X muendeniense</i>	
COMMON TEASEL	<i>Dipsacus sylvestris</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
ORANGE JEWELWEED	<i>Impatiens capensis</i>	
ORIENTAL BITTERSWEET	<i>Celastrus orbiculatus</i>	
POISON IVY	<i>Rhus radicans</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
TALL NETTLE	<i>Urtica procera</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	3
COMMON GREEN DARNER	<i>Anax junius</i>	7
COMMON WHITETAIL	<i>Libellula lydia</i>	1
DAMSELFLIES		
BLUE-TIPPED DANCER	<i>Argia tibialis</i>	1
BUTTERFLIES		
BLACK SWALLOWTAIL	<i>Papilio polyxenes</i>	1
BUCKEYE	<i>Junonia coenia</i>	5
CABBAGE WHITE	<i>Pieris rapae</i>	2
COMMON SULFUR	<i>Colias philodice</i>	1
EASTERN COMMA	<i>Polygonia comma</i>	1
EASTERN TAILED-BLUE	<i>Evers comyntas</i>	7

Common Name	Scientific Name	Number of Animals Observed
FIERY SKIPPER	<i>Hylephilia phileus</i>	1
GREAT SPANGELED FRITILLAR	<i>Speyeria cybele</i>	1
MONARCH	<i>Danaus plexippus</i>	1
ORANGE SULFUR	<i>Colias eurytheme</i>	22
PAINTED LADY	<i>Vanessa cardui</i>	1
PEARL CRESCENT	<i>Phyciodes tharos</i>	12
SILVER-SPOTTED SKIPPER	<i>Epargyreus clarus</i>	2
VICEROY	<i>Limenitis archippus</i>	1
WILD INDIGO DUSKYWING	<i>Erynnis baptisiae</i>	6
AMPHIBIANS		
BULLFROG	<i>Rana catesbeiana</i>	8
GREEN FROG	<i>Rana clamitans</i>	17
REPTILES		
COMMON SNAPPING TURTLE	<i>Chelydra serpentina</i>	3
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN CROW	<i>Corvus brachyrhynchos</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-BILLED CUCKOO	<i>Coocyzus erythrophthalmus</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLUE-GRAY GNATCATCHER	<i>Poliopitila caerulea</i>	
BLUE JAY	<i>Cyanocitta cristata</i>	
BLUE-WINGED WARBLER	<i>Vermivora cyanoptera</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
BROWN THRASHER	<i>Toxostoma rufum</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CASPIAN TERN	<i>Hydroprogne caspia</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CLIFF SWALLOW	<i>Petrochelidon pyrrhonota</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN BLUEBIRD	<i>Sialia sialis</i>	
EASTERN PHOEBE	<i>Sayornis phoebe</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EASTERN WOOD-PEWEE	<i>Contopus virens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
FIELD SPARROW	<i>Spizella pusilla</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	

Common Name	Scientific Name	Number of Animals Observed
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREAT CRESTED FLYCATCHER	<i>Myiarchus crinitus</i>	
GREAT EGRET	<i>Ardea alba</i>	
GREEN HERON	<i>Butorides virescens</i>	
HOODED MERGANSER	<i>Lophodytes cucullatus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
MOURNING WARBLER	<i>Oporornis philadelphia</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
ORCHARD ORIOLE	<i>Icterus spurius</i>	
RED-BELLIED WOODPECKER	<i>Melanerpes carolinus</i>	
RED-EYED VIREO	<i>Vireo olivaceus</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROSE-BREADED GROSBEAK	<i>Pheucticus ludovicianus</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
TURKEY VULTURE	<i>Cathartes aura</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
WOOD DUCK	<i>Aix sponsa</i>	
YELLOW-THROATED VIREO	<i>Vireo flavifrons</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	50

TABLE C-8. List of Common and Scientific Names for Plants and Animals Identified at Site 4C

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
AMUR HONEYSUCKLE	<i>Lonicera maackii</i>	
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
ASPARAGUS	<i>Asparagus officinalis</i>	
BALSAM RAGWORT	<i>Senecio pauperculus</i>	
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK OAK	<i>Quercus velutina</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BUTTERFLY WEED	<i>Asclepias tuberosa</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	

Common Name	Scientific Name	Number of Animals Observed
CANADA WILD RICE	<i>Elymus canadensis</i>	
CHOKE CHERRY	<i>Prunus virginiana</i>	
CLIMBING BITTERSWEET	<i>Celastrus scandens</i>	
COMMON BLUE-EYED GRASS	<i>Sisyrinchium albidum</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON CINQUEFOIL	<i>Potentilla simplex</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON GOAT'S BEARD	<i>Tragopogon pratensis</i>	
COMMON MOUNTAIN MINT	<i>Pycnanthemum virginianum</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON ST. JOHN'S WORT	<i>Hypericum perforatum</i>	
COMMON TEASEL	<i>Dipsacus sylvestris</i>	
COMMON WOOD SORREL	<i>Oxalis stricta</i>	
CROWN VETCH	<i>Coronilla varia</i>	
DEPTFORD PINK	<i>Dianthus armeria</i>	
DOWNY BROME	<i>Bromus tectorum</i>	
DRUMMOND'S ASTER	<i>Aster sagittifolius drummondii</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
EARLY WILD ROSE	<i>Rosa blanda</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
EUROPEAN Highbush CRANBERRY	<i>Viburnum opulus</i>	
FALSE TOADFLAX	<i>Comandra umbellata</i>	
FEATHERY FALSE SOLOMON'S SEAL	<i>Smilacina racemosa</i>	
FLOWERING SPURGE	<i>Euphorbia corollata</i>	
FOXGLOVE BEARD TONGUE	<i>Penstemon digitalis</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
ILLINOIS ROSE	<i>Rosa setigera</i>	
INDIAN GRASS	<i>Orghastrum nutans</i>	
INDIAN HEMP	<i>Apocynum cannabinum</i>	
JAPANESE BARBERRY	<i>Berberis thunbergii</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LATE GOLDENROD	<i>Solidago gigantea</i>	
MARSH FLEABANE	<i>Erigeron philadelphicus</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
NARROW-LEAVED VERVAIN	<i>Verbena simplex</i>	

Common Name	Scientific Name	Number of Animals Observed
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
OLD-FIELD GOLDENROD	<i>Solidago nemoralis</i>	
OLD-FIELD PANIC GRASS	<i>Panicum implicatum</i>	
PALE SEDGE	<i>Carex granularis</i>	
PASTURE ROSE	<i>Rosa carolina</i>	
PATH RUSH	<i>Juncus tenuis</i>	
POISON IVY	<i>Rhus radicans</i>	
POVERTY OAT GRASS	<i>Danthonia spicata</i>	
PRAIRIE CORD GRASS	<i>Spartina pectinata</i>	
PRAIRIE DOCK	<i>Silphium terebinthinaceum</i>	
RATTLESNAKE FERN	<i>Botrychium virginianum</i>	
RED BULRUSH	<i>Scirpus pendulus</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROSIN WEED	<i>Silphium integrifolium</i>	
ROUGH DROPSEED	<i>Sporobolus asper</i>	
SAWTOOTH SUNFLOWER	<i>Helianthus grosseserratus</i>	
SCARLET HAWTHORN	<i>Crataegus coccinea</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SHOWY GOLDENROD	<i>Solidago speciosa</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SIDE-FLOWERING ASTER	<i>Aster lateriflorus</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMOOTH ARROW-WOOD	<i>Viburnum recognitum</i>	
SMOOTH SOLOMAN'S SEAL	<i>Polygonatum canaliculatum</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
STICKSEED	<i>Hackelia virginiana</i>	
STIFF GOLDENROD	<i>Solidago rigida</i>	
SWEET-SCENTED BEDSTRAW	<i>Galium triflorum</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL ANEMONE	<i>Anemone virginiana</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL COREOPSIS	<i>Coreopsis tripteris</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL SUNFLOWER	<i>Helianthus giganteus</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
THIMBLEWEED	<i>Anemone cylindrica</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	

Common Name	Scientific Name	Number of Animals Observed
UPRIGHT CINQUEFOIL	<i>Potentilla recta</i>	
WAFER ASH	<i>Ptelea trifoliata</i>	
WAYFARING TREE	<i>Viburnum lantana</i>	
WHITE BEDSTRAW	<i>Galium mollugo</i>	
WHITE GRASS	<i>Leersia virginica</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD LETTUCE	<i>Lactuca canadensis</i>	
WILD ONION	<i>Allium canadense</i>	
WILD STRAWBERRY	<i>Fragaria virginiana</i>	
WILD SWEET CRAB	<i>Malus coronaria</i>	
YANKEE BLACKBERRY	<i>Rubus pensilvanicus</i>	
YARROW	<i>Achillea millefolium</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	1
COMMON WHITETAIL	<i>Libellula lydia</i>	1
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	1
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	1
DAMSELFLIES		
BLUE-TIPPED DANCER	<i>Argia tibialis</i>	8
BUTTERFLIES		
BUCKEYE	<i>Junonia coenia</i>	7
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	3
PEARL CRESCENT	<i>Phyciodes tharos</i>	1
RED ADMIRAL	<i>Vanessa atalanta</i>	1
RED-SPOTTED PURPLE	<i>Limentis astyanax</i>	3
WILD INDIGO DUSKYWING	<i>Erynnis baptisiae</i>	8
REPTILES		
SMOOTH GREEN SNAKE	<i>Opheodrys vernalis</i>	2
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLUE JAY	<i>Cyanocitta cristata</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	

Common Name	Scientific Name	Number of Animals Observed
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREEN HERON	<i>Butorides virescens</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
MALLARD	<i>Anas platyrhynchos</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
SPOTTED SANDPIPER	<i>Actitis macularius</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
MAMMALS		
RACCOON	<i>Procyon lotor</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	9

TABLE C-9. List of Common and Scientific Names for Plants and Animals Identified at Site 5

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
AMERICAN ELM	<i>Ulmus americana</i>	
AMERICAN VETCH	<i>Vicia americana</i>	
AMUR HONEYSUCKLE	<i>Lonicera maackii</i>	
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
ASPARAGUS	<i>Asparagus officinalis</i>	
BALSAM RAGWORT	<i>Senecio pauperculus</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BIG BLUESTEM GRASS	<i>Andropogon gerardii</i>	
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	
BLACK NIGHTSHADE	<i>Solanum americanum</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLACK WILLOW	<i>Salix nigra</i>	
BLUE JOINT GRASS	<i>Calamagrostis canadensis</i>	
BLUE VERVAIN	<i>Verbena hastata</i>	
BOX ELDER	<i>Acer negundo</i>	

Common Name	Scientific Name	Number of Animals Observed
BROAD-LEAVED WOOLLY SEDGE	<i>Carex pellita</i>	
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>	
BUGLE WEED	<i>Lycopus virginicus</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	
BUTTER-AND-EGGS	<i>Linaria vulgaris</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CINNAMON WILLOW HERB	<i>Epilobium coloratum</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON CINQUEFOIL	<i>Potentilla simplex</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON GOAT'S BEARD	<i>Tragopogon pratensis</i>	
COMMON GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia</i>	
COMMON IRONWEED	<i>Vernonia fasciculata</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON MOUNTAIN MINT	<i>Pycnanthemum virginianum</i>	
COMMON MULLEIN	<i>Verbascum thapsus</i>	
COMMON PEPPERCRESS	<i>Lepidium virginicum</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON PONDWEED	<i>Potamogeton natans</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON ST. JOHN'S WORT	<i>Hypericum perforatum</i>	
COMMON TEASEL	<i>Dipsacus sylvestris</i>	
COMMON TUSsock SEDGE	<i>Carex stricta</i>	
COMMON WATER HOREHOUND	<i>Lycopus americanus</i>	
COMMON WOOD SEDGE	<i>Carex blanda</i>	
COMPASS PLANT	<i>Silphium laciniatum</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
CRESTED OVAL SEDGE	<i>Carex cristatella</i>	
CROWN VETCH	<i>Coronilla varia</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>	
DARK GREEN RUSH	<i>Scirpus atrovirens</i>	
DEPTFORD PINK	<i>Dianthus armeria</i>	
DOWNY SUNFLOWER	<i>Helianthus mollis</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	

Common Name	Scientific Name	Number of Animals Observed
EARLY WILD ROSE	<i>Rosa blanda</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
FALSE SUNFLOWER	<i>Heliopsis helianthoides</i>	
FALSE TOADFLAX	<i>Comandra umbellata</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FIREWEED	<i>Erechtites hieracifolia</i>	
FLOWERING SPURGE	<i>Euphorbia corollata</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GIANT FOXTAIL	<i>Setaria faberi</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>	
HARD-STEMMED BULRUSH	<i>Scirpus acutus</i>	
HEARTSEASE	<i>Polygonum lapathifolium</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORSE NETTLE	<i>Solanum carolinense</i>	
HORSETAIL	<i>Equisetum arvense</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
INDIAN GRASS	<i>Sorghastrum nutans</i>	
INDIAN HEMP	<i>Apocynum cannabinum</i>	
JAPANESE CRAB	<i>Malus sieboldii</i>	
JERUSALEM ARTICHOKE	<i>Helianthus tuberosus</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
KNEE GRASS	<i>Panicum dichotomiflorum</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LITTLE BLUESTEM GRASS	<i>Andropogon scoparius</i>	
MOUSE-EAR CHICKWEED	<i>Cerastium vulgatum</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
NANNYBERRY	<i>Viburnum lentago</i>	
NARROW-LEAVED CATTAIL	<i>Typha angustifolia</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
NODDING BUR MARIGOLD	<i>Bidens cernua</i>	
NODDING LADIES' TRESSES	<i>Spiranthes cernua</i>	

Common Name	Scientific Name	Number of Animals Observed
NORWAY CINQUEFOIL	<i>Potentilla norvegica</i>	
OLD-FIELD PANIC GRASS	<i>Panicum implicatum</i>	
ORANGE JEWELWEED	<i>Impatiens capensis</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>	
PANICLED ASTER	<i>Aster simplex</i>	
PASTURE ROSE	<i>Rosa carolina</i>	
PASTURE THISTLE	<i>Cirsium discolor</i>	
PEACH-LEAVED WILLOW	<i>Salix amygdaloides</i>	
PENNY CRESS	<i>Thlaspi arvense</i>	
PINKWEED	<i>Polygonum pensylvanicum</i>	
POISON HEMLOCK	<i>Conium maculatum</i>	
PRAIRIE BLAZING STAR	<i>Liatris pycnostachya</i>	
PRAIRIE CORD GRASS	<i>Spartina pectinata</i>	
PRAIRIE DOCK	<i>Silphium terebinthinaceum</i>	
PRAIRIE INDIAN HEMP	<i>Apocynum sibiricum</i>	
PRAIRIE SUNFLOWER	<i>Helianthus rigidus</i>	
PRAIRIE WILLOW	<i>Salix humilis</i>	
PRICKLY LETTUCE	<i>Lactuca serriola</i>	
PURPLE FALSE FOXGLOVE	<i>Agalinis purpurea</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
PUSSY WILLOW	<i>Salix discolor</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED ASH	<i>Fraxinus pennsylvanica</i>	
RED BULRUSH	<i>Scirpus pendulus</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED-ROOTED SPIKE RUSH	<i>Eleocharis erythropoda</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RICE CUT GRASS	<i>Leersia oryzoides</i>	
RIDDELL'S GOLDENROD	<i>Solidago riddellii</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROSIW WEED	<i>Silphium integrifolium</i>	
ROUGH AMARANTH	<i>Amaranthus retroflexus</i>	
ROUGH BLAZING STAR	<i>Liatris aspera</i>	
ROUGH DROPSEED	<i>Sporobolus asper</i>	
RUSSIAN OLIVE	<i>Elaeagnus angustifolia</i>	
SALT-MEADOW GRASS	<i>Diplachne acuminata</i>	
SANDBAR WILLOW	<i>Salix interior</i>	
SAWTOOTH SUNFLOWER	<i>Helianthus grosseserratus</i>	

Common Name	Scientific Name	Number of Animals Observed
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SHORT-HEADED RUSH	<i>Juncus brachycephalus</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMALL LOVE GRASS	<i>Eragrostis pectinacea</i>	
SMOOTH BLUE ASTER	<i>Aster laevis</i>	
SMOOTH GRAB GRASS	<i>Digitaria ischaemum</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	
STAGHORN SUMAC	<i>Rhus typhina</i>	
STICKSEED	<i>Hackelia virginiana</i>	
STIFF GOLDENROD	<i>Solidago rigida</i>	
SWAMP MILKWEED	<i>Asclepias incarnata</i>	
SWEET BLACK-EYED SUSAN	<i>Rudbeckia subtomentosa</i>	
TALL ANEMONE	<i>Anemone virginiana</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TALL SCOURING RUSH	<i>Equisetum hyemale</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
TIMOTHY	<i>Phleum pratense</i>	
TORREY'S RUSH	<i>Juncus torreyi</i>	
UPRIGHT CINQUEFOIL	<i>Potentilla recta</i>	
VELVET LEAF	<i>Abutilon theophrasti</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
VIRGINIA WILD RYE	<i>Elymus virginicus</i>	
WATER HEMLOCK	<i>Cicuta maculata</i>	
WATER KNOTWEED	<i>Polygonum amphibium</i>	
WATER PEPPER	<i>Polygonum hydropiper</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD GERANIUM	<i>Geranium maculatum</i>	
WILD LETTUCE	<i>Lactuca canadensis</i>	
WILD MINT	<i>Mentha arvensis villosa</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WILD STRAWBERRY	<i>Fragaria virginiana</i>	
WINGED LOOSESTRIFE	<i>Lythrum alatum</i>	
WOOD AVENS	<i>Geum canadense</i>	
WOODLAND SUNFLOWER	<i>Helianthus divaricatus</i>	

Common Name	Scientific Name	Number of Animals Observed
YARROW	<i>Achillea millefolium</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
YELLOW ROCKET	<i>Barbarea vulgaris</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tamea lacerate</i>	15
BLUE DASHER	<i>Pachydiplax longipennis</i>	6
COMET DARNER	<i>Anax longipes</i>	1
COMMON BASKETTAIL	<i>Epithica cynosure</i>	1
COMMON GREEN DARNER	<i>Anax junius</i>	34
COMMON WHITETAIL	<i>Libellula lydia</i>	9
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	1
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	4
WANDERING GLIDER	<i>Pantala flavescens</i>	1
WHITE-FACED MEADOWHAWK	<i>Sympetrum obstrusum</i>	1
WIDOW SKIMMER	<i>Libellula luctuosa</i>	5
DAMSELFLIES		
AMERICAN RUBYSPOOT	<i>Hataerina americana</i>	10
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	21
EASTERN FORKTAIL	<i>ischnura verticalis</i>	354
EBONY JEWELWING	<i>Calopteryx maculate</i>	2
EMERALD SPREADWING	<i>Lestes dryas</i>	6
FAMILIAR BLUET	<i>Enallagma civile</i>	3
SLENDER SPREADWING	<i>Lestes rectangularis</i>	2
SOUTHERN SPREADWING	<i>Lestes australis</i>	1
STREAM BLUET	<i>Enallagma exsulans</i>	16
BUTTERFLIES		
BLACK SWALLOWTAIL	<i>Papilio polyxenes</i>	1
CABBAGE WHITE	<i>Pieris rapae</i>	6
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	1
MONARCH	<i>Danaus plexippus</i>	6
ORANGE SULFUR	<i>Colias eurytheme</i>	2
PEARL CRESCENT	<i>Phyciodes tharos</i>	16
AMPHIBIANS		
BULLFROG	<i>Rana catesbeiana</i>	22
GREEN FROG	<i>Rana clamitans</i>	9
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdud migratorius</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	

Common Name	Scientific Name	Number of Animals Observed
BLACK-CROWNED NIGHT-HERON	<i>Nycticorax nycticorax</i>	
BLUE-GRAY GNATCATCHER	<i>Polioptila caerulea</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DICKCISSEL	<i>Spiza americana</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EASTERN MEADOWLARK	<i>Sturnella magna</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
WOOD THRUSH	<i>Hylocichla mustelina</i>	
YELLOW WARBLER	<i>Dendroica petechial</i>	
MAMMALS		
COYOTE	<i>Canis latrans</i>	
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN FOX SQUIRREL	<i>Sciurus niger</i>	5
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	3
NORTHERN SHORT-TAILED SHREW	<i>Blarina brevicauda</i>	11
RACCOON	<i>Procyon lotor</i>	2
STRIPED SKUNK	<i>Mephitis mephitis</i>	
THIRTEEN-LINED GROUND SQUIRREL	<i>Spermophilus tridecemlineatus</i>	1
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	58
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	2

TABLE C-10. List of Common and Scientific Names for Plants and Animals Identified at Site 6

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ALSIKE CLOVER	<i>Trifolium hybridum</i>	
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
APPLE	<i>Malus pumila</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BENT GRASS	<i>Agrostis alba palustris</i>	
BIG BLUESTEM GRASS	<i>Andropogon gerardii</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLACK WALNUT	<i>Juglans nigra</i>	
BLACK WILLOW	<i>Salix nigra</i>	
BLUE VERVAIN	<i>Verbena hastata</i>	
BOX ELDER	<i>Acer negundo</i>	
BROAD-LEAVED CATTAIL	<i>Typha latifolia</i>	
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CANADIAN BLACK SNAKEROOT	<i>Sanicula canadensis</i>	
CHICORY	<i>Cichorium intybus</i>	
CLUSTERED BLACK SNAKEROOT	<i>Sanicula gregaria</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON FOX SEDGE	<i>Carex stipata</i>	
COMMON GOAT'S BEARD	<i>Tragopogon pratensis</i>	
COMMON MALLOW	<i>Malva neglecta</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
COMMON WOOD SEDGE	<i>Carex blanda</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
CRESTED OVAL SEDGE	<i>Carex cristatella</i>	
CROWN VETCH	<i>Coronilla varia</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>	
DARK GREEN RUSH	<i>Scirpus atrovirens</i>	
DEPTFORD PINK	<i>Dianthus armeria</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	

Common Name	Scientific Name	Number of Animals Observed
EUROPEAN Highbush Cranberry	<i>Viburnum opulus</i>	
EYEBANE	<i>Euphorbia maculata</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FLOWER-OF-AN-HOUR	<i>Hibiscus trionum</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
GREEN FOXTAIL	<i>Setaria viridis</i>	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>	
HEART-LEAVED WILLOW	<i>Salix eriocephala</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HOARY VERVAIN	<i>Verbena stricta</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORSE NETTLE	<i>Solanum carolinense</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
HYBRID CATTAIL	<i>Typha X glauca</i>	
HYBRID CRACK WILLOW	<i>Salix X rubens</i>	
INDIAN GRASS	<i>Sorghastrum nutans</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LATE GOLDENROD	<i>Solidago gigantea</i>	
LILY-OF-THE-VALLEY	<i>Convallaria majalis</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
NANNYBERRY	<i>Viburnum lentago</i>	
NARROW-LEAVED OVAL SEDGE	<i>Carex tenera</i>	
NORTHERN SUMAC	<i>Rhus X borealis</i>	
OLD WITCH GRASS	<i>Panicum capillare</i>	
ORANGE JEWELWEED	<i>Impatiens capensis</i>	
ORCHARD GRASS	<i>Dactylis glomerata</i>	
ORIENTAL BITTERSWEET	<i>Celastrus orbiculatus</i>	
OSAGE ORANGE	<i>Maclura pomifera</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemum</i>	
PANICLED ASTER	<i>Aster simplex</i>	
PENNY CRESS	<i>Thlaspi arvense</i>	
POISON IVY	<i>Rhus radicans</i>	
PRAIRIE INDIAN HEMP	<i>Apocynum sibiricum</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	

Common Name	Scientific Name	Number of Animals Observed
PURPLE MEADOW RUE	<i>Thalictrum dasycarpum</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED-OSIER DOGWOOD	<i>Cornus stolonifera</i>	
RED-ROOTED SPIKE RUSH	<i>Eleocharis erythropoda</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RICE CUT GRASS	<i>Leersia oryzoides</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROUGH BLUE GRASS	<i>Poa trivialis</i>	
SANDBAR WILLOW	<i>Salix interior</i>	
SAWTOOTH SUNFLOWER	<i>Helianthus grosseserratus</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SHOWY OBEDIENT PLANT	<i>Physostegia virginiana speciosa</i>	
SIBERIAN CRAB	<i>Malus baccata</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SINGLE-SEEDED HAWTHORN	<i>Crataegus monogyna</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMALL LOVE GRASS	<i>Eragrostis pectinacea</i>	
SMOOTH MEADOW RUE	<i>Thalictrum dasycarpum hyp.</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
SNEEZEWEED	<i>Helenium autumnale</i>	
SUGAR MAPLE	<i>Acer saccharum</i>	
SWAMP MILKWEED	<i>Asclepias incarnata</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TALL WOOD SORREL	<i>Oxalis europaea</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
THREE-SEEDED MERCURY	<i>Acalypha rhomboidea</i>	
TIMOTHY	<i>Phleum pratense</i>	
UPLAND HOG PEANUT	<i>Amphicarpaea bracteata</i>	
UPRIGHT CINQUEFOIL	<i>Potentilla recta</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
VIRGINIA WILD RYE	<i>Elymus virginicus</i>	
WAYFARING TREE	<i>Viburnum lantana</i>	
WHITE BEDSTRAW	<i>Galium mollugo</i>	
WHITE CLOVER	<i>Trifolium repens</i>	

Common Name	Scientific Name	Number of Animals Observed
WHITE MULBERRY	<i>Morus alba</i>	
WHITE POPLAR	<i>Populus alba</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD ONION	<i>Allium canadense</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WOOD AVENS	<i>Geum canadense</i>	
YARROW	<i>Achillea millefolium</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	6
BLUE DASHER	<i>Pachydiplax longipennis</i>	2
COMMON BASKETTAIL	<i>Epithica cynosure</i>	2
COMMON GREEN DARNER	<i>Anax junius</i>	7
COMMON WHITETAIL	<i>Libellula lydia</i>	1
SWAMP DARNER	<i>Epiaeshna heros</i>	2
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	5
WANDERING GLIDER	<i>Pantala flavescens</i>	1
WIDOW SKIMMER	<i>Libellula luctuosa</i>	1
DAMSELFLIES		
AMERICAN RUBYSPOOT	<i>Hataerina americana</i>	56
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	67
BLUE-TIPPED DANCER	<i>Argia tibialis</i>	14
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	36
EBONY JEWELWING	<i>Calopteryx maculate</i>	24
FRAGILE FORKTAIL	<i>Ischnura posita</i>	6
GREAT SPREADWING	<i>Archilestes grandis</i>	1
ORANGE BLUET	<i>Enallagma signatum</i>	4
RAINBOW BLUET	<i>Enallagma antennatum</i>	138
SLENDER SPREADWING	<i>Lestes rectangularis</i>	1
SPOTTED SPREADWING	<i>Lestes congener</i>	2
STREAM BLUET	<i>Enallagma exsulans</i>	458
VIOLET DANCER	<i>Argia fumipennis</i>	86
BUTTERFLIES		
COMMON SULFUR	<i>Colias philodice</i>	4
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	7
ORANGE SULFUR	<i>Colias eurytheme</i>	20
PEARL CRESCENT	<i>Phyciodes tharos</i>	1
PECK'S SKIPPER	<i>Polites peckius</i>	3
SUMMER AZURE	<i>Celastrina neglecta</i>	2

Common Name	Scientific Name	Number of Animals Observed
TAWNY EDGE SKIPPER	<i>Polites themistocles</i>	1
TIGER SWALLOWTAIL	<i>Papilio glaucus</i>	1
AMPHIBIANS		
BULLFROG	<i>Rana catesbeiana</i>	24
NORTHERN LEOPARD FROG	<i>Rana pipiens</i>	33
REPTILES		
EASTERN GARTER SNAKE	<i>Thamnophis sirtalis</i>	7
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLUE-GRAY GNATCATCHER	<i>Poliophtila caerulea</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
FIELD SPARROW	<i>Spizella pusilla</i>	
GOLDEN-CROWNED KINGLET	<i>Regulus satrapa</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
HAIRY WOODPECKER	<i>Picoides villosus</i>	
HERMIT THRUSH	<i>Catharus guttatus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROSE-BREADED GROSBEAK	<i>Pheucticus ludovicianus</i>	
SOLITARY SANDPIPER	<i>Tringa solitaria</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	

Common Name	Scientific Name	Number of Animals Observed
WHITE-THROATED SPARROW	<i>Zonotrichia albicollis</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
WINTER WREN	<i>Troglodytes hiemalis</i>	
WOOD DUCK	<i>Aix sponsa</i>	
YELLOW-RUMPED WARBLER	<i>Dendroica coronata</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	5
RACCOON	<i>Procyon lotor</i>	
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	61
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	

TABLE C-11. List of Common and Scientific Names for Plants and Animals Identified at Site 7

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
APPLE	<i>Malus pumila</i>	
AUTUMN OLIVE	<i>Elaeagnus umbellata</i>	
AWNED FLAT SEDGE	<i>Cyperus inflexus</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BIG BLUESTEM GRASS	<i>Andropogon gerardii</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	
BOX ELDER	<i>Acer negundo</i>	
BROAD-LEAVED PURPLE CONEFLOWER	<i>Echinacea purpurea</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CANADA WILD RICE	<i>Elymus canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CINNAMON WILLOW HERB	<i>Epilobium coloratum</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON IRONWEED	<i>Vernonia fasciculata</i>	
COMMON MALLOW	<i>Malva neglecta</i>	

Common Name	Scientific Name	Number of Animals Observed
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON MOUNTAIN MINT	<i>Pycnanthemum virginianum</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
COMPASS PLANT	<i>Silphium laciniatum</i>	
CULVER'S ROOT	<i>Veronicastrum virginicum</i>	
CUP PLANT	<i>Silphium perfoliatum</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>	
DEAM'S ROSIN WEED	<i>Silphium integrifolium deamii</i>	
DEPTFORD PINK	<i>Dianthus armeria</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
EARLY GOLDENROD	<i>Solidago juncea</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
EYEBANE	<i>Euphorbia maculata</i>	
EXPRESSWAY ASTER	<i>Aster subulatus</i>	
FALSE SUNFLOWER	<i>Heliopsis helianthoides</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD NUT SEDGE	<i>Cyperus esculentus</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FLOWER-OF-AN-HOUR	<i>Hibiscus trionum</i>	
FOXGLOVE BEARD TONGUE	<i>Penstemon digitalis</i>	
GOLDEN ALEXANDERS	<i>Zizia aurea</i>	
GREEN ASH	<i>Fraxinus pennsylvanica sub.</i>	
GREEN FOXTAIL	<i>Setaria viridis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY CRAB GRASS	<i>Digitaria sanguinalis</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
INDIAN GRASS	<i>Sorghastrum nutans</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
KNEE GRASS	<i>Panicum dichotomiflorum</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LILAC	<i>Syringa vulgaris</i>	
LITTLE BLUESTEM GRASS	<i>Andropogon scoparius</i>	
MUGWORT	<i>Artemisia vulgaris</i>	
MUSK THISTLE	<i>Cardus nutans</i>	

Common Name	Scientific Name	Number of Animals Observed
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
NORWAY CINQUEFOIL	<i>Potentilla norvegica</i>	
NORWAY MAPLE	<i>Acer platanoides</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>	
PENNY CRESS	<i>Thlaspi arvense</i>	
PERENNIAL RYE GRASS	<i>Lolium perenne</i>	
PRAIRIE DOCK	<i>Silphium terebinthinaceum</i>	
PRICKLY LETTUCE	<i>Lactuca serriola</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
PURPLE JOE PYE WEED	<i>Eupatorium purpureum</i>	
PURPLE PRAIRIE CLOVER	<i>Petalostemum purpureum</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED FESCUE	<i>Festuca rubra</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
SCOTCH PINE	<i>Pinus sylvestris</i>	
SEASIDE GOLDENROD	<i>Solidago sempervirens</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SHEEP FESCUE	<i>Festuca ovina</i>	
SHOWY FLY HONEYSUCKLE	<i>Lonicera X bella</i>	
SHOWY TICK TREFOIL	<i>Desmodium canadense</i>	
SHRUBBY CINQUEFOIL	<i>Potentilla fruticosa</i>	
SIDE-OATS GRAMA	<i>Bouteloua curtipendula</i>	
SIDEWALK KNOTWEED	<i>Polygonum arenastrum</i>	
SMALL PEPPERCRESS	<i>Lepidium densiflorum</i>	
SMOOTH GRAB GRASS	<i>Digitaria ischaemum</i>	
SNEEZEWEED	<i>Helenium autumnale</i>	
SPOTTED CREEPING SPURGE	<i>Euphorbia supina</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	
STIFF GOLDENROD	<i>Solidago rigida</i>	
SWAMP MILKWEED	<i>Asclepias incarnata</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TALL WOOD SORREL	<i>Oxalis europaea</i>	
VIRGINIA WILD RYE	<i>Elymus virginicus</i>	

Common Name	Scientific Name	Number of Animals Observed
WASHINGTON HAWTHORN	<i>Crataegus phaenopyrum</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILLOW ASTER	<i>Aster praealtus</i>	
WILLOW LETTUCE	<i>Lactuca saligna</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
YELLOW ROCKET	<i>Barbarea vulgaris</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	14
COMMON GREEN DARNER	<i>Anax junius</i>	25
COMMON WHITETAIL	<i>Libellula lydia</i>	9
EASTERN AMBERWING	<i>Perithemus tenera</i>	1
PRINCE BASKETTAIL	<i>Epithica princeps</i>	1
RED-MANTLED SADDLEBAGS	<i>Tramea onusta</i>	1
RUBY MEADOWHAWK	<i>Sympetrum rubicundulum</i>	1
SHADOW DARNER	<i>Aeshna umbrosa</i>	2
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	7
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	4
WIDOW SKIMMER	<i>Libellula luctuosa</i>	3
DAMSELFLIES		
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	4
FAMILIAR BLUET	<i>Enallagma civile</i>	2
BUTTERFLIES		
CABBAGE WHITE	<i>Pieris rapae</i>	2
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	2
MONARCH	<i>Danaus plexippus</i>	6
ORANGE SULFUR	<i>Colias eurytheme</i>	2
PECK'S SKIPPER	<i>Polites peckius</i>	4
TAWNY EDGE SKIPPER	<i>Polites themistocles</i>	2
TIGER SWALLOWTAIL	<i>Papilio glaucus</i>	2
REPTILES		
COMMON SNAPPING TURTLE	<i>Chelydra serpenina</i>	3
BIRDS		
AMERICAN BITTERN	<i>Botaurus lentiginosus</i>	
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdud migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	

Common Name	Scientific Name	Number of Animals Observed
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
CHIPPING SPARROW	<i>Spizella passerina</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GOLDEN-CROWNED KINGLET	<i>Regulus satrapa</i>	
GREAT EGRET	<i>Ardea alba</i>	
GREEN HERON	<i>Butorides virescens</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
RED-TAILED HAWK	<i>Buteo jamaicensis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WHITE-THROATED SPARROW	<i>Zonotrichia albicollis</i>	
YELLOW-RUMPED WARBLER	<i>Dendroica coronata</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
COYOTE	<i>Canis latrans</i>	
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	8
PRAIRIE VOLE	<i>Microtus ochrogaster</i>	1
RACCOON	<i>Procyon lotor</i>	
STRIPED SKUNK	<i>Mephitis mephitis</i>	
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	16

TABLE C-12. List of Common and Scientific Names for Plants and Animals Identified at Site 8

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ALSIKE CLOVER	<i>Trifolium hybridum</i>	
ANNUAL BLUE GRASS	<i>Poa annua</i>	
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
APPLE	<i>Malus pumila</i>	
ARROW-WOOD	<i>Viburnum dentatum</i>	
AUTUMN OLIVE	<i>Elaeagnus umbellata</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BIG BLUESTEM GRASS	<i>Andropogon gerardii</i>	
BLACK BINDWEED	<i>Polygonum convolvulus</i>	
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLUE-FRUITED DOGWOOD	<i>Cornus obliqua</i>	
BOX ELDER	<i>Acer negundo</i>	
BROAD-LEAVED PURPLE CONEFLOWER	<i>Echinacea purpurea</i>	
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	
BURNING BUSH	<i>Euonymus alatus</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CANADA WILD RICE	<i>Elymus canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CINNAMON WILLOW HERB	<i>Epilobium coloratum</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON FOX SEDGE	<i>Carex stipata</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON MOUNTAIN MINT	<i>Pycnanthemum virginianum</i>	
COMMON RAGWEED	<i>Ambrosia artemisiifolia elatior</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
COMMON ST. JOHN'S WORT	<i>Hypericum perforatum</i>	
CRESTED OVAL SEDGE	<i>Carex cristatella</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
DAISY FLEABANE	<i>Erigeron strigosus</i>	
DARK GREEN RUSH	<i>Scirpus atrovirens</i>	
DEAM'S ROSIN WEED	<i>Silphium integrifolium deamii</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
DWARF FRAGRANT SUMAC	<i>Rhus aromatica arenaria</i>	

Common Name	Scientific Name	Number of Animals Observed
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
EARLY WILD ROSE	<i>Rosa blanda</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
FALSE SUNFLOWER	<i>Heliopsis helianthoides</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FRAGRANT SUMAC	<i>Rhus aromatica</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GERMANDER	<i>Teucrium canadense</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY CRAB GRASS	<i>Digitaria sanguinalis</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HARD-STEMMED BULRUSH	<i>Scirpus acutus</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORSETAIL	<i>Equisetum arvense</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
HYBRID CATTAIL	<i>Typha X glauca</i>	
INDIAN GRASS	<i>Sorghastrum nutans</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
KNEE GRASS	<i>Panicum dichotomiflorum</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LATE GOLDENROD	<i>Solidago gigantea</i>	
LITTLE BLUESTEM GRASS	<i>Andropogon scoparius</i>	
MARSH FLEABANE	<i>Erigeron philadelphicus</i>	
NANNYBERRY	<i>Viburnum lentago</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
OLD WITCH GRASS	<i>Panicum capillare</i>	
ORANGE DAY LILY	<i>Hemerocallis fulva</i>	
ORCHARD GRASS	<i>Dactylis glomerata</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>	
PELLITORY	<i>Parietaria pensylvanica</i>	
PENNY CRESS	<i>Thlaspi arvense</i>	
PERENNIAL RYE GRASS	<i>Lolium perenne</i>	
PRAIRIE DOCK	<i>Silphium terebinthinaceum</i>	
PRICKLY LETTUCE	<i>Lactuca serriola</i>	
PURPLE PRAIRIE CLOVER	<i>Petalostemum purpurem</i>	
PURSLANE SPEEDWELL	<i>Veronica perigrina</i>	

Common Name	Scientific Name	Number of Animals Observed
QUACK GRASS	<i>Agropyron repens</i>	
QUAKING ASPEN	<i>Populus tremuloides</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED BULRUSH	<i>Scirpus pendulus</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED-OSIER DOGWOOD	<i>Cornus stolonifera</i>	
RED-ROOTED SPIKE RUSH	<i>Eleocharis erythropoda</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROUGH AVENS	<i>Geum laciniatum trichocarpum</i>	
SAWTOOTH SUNFLOWER	<i>Helianthus grosseserratus</i>	
SCARLET HAWTHORN	<i>Crataegus coccinea</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SHOWY FLY HONEYSUCKLE	<i>Lonicera X bella</i>	
SHOWY TICK TREFOIL	<i>Desmodium canadense</i>	
SIBERIAN CRAB	<i>Malus baccata</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SIDE-OATS GRAMA	<i>Bouteloua curtipendula</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SMALL LOVE GRASS	<i>Eragrostis pectinacea</i>	
SMALL PEPPERCRESS	<i>Lepidium densiflorum</i>	
SPOTTED CREEPING SPURGE	<i>Euphorbia supina</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	
STORE-FRONT SOW THISTLE	<i>Sonchus oleraceus</i>	
SWAMP MILKWEED	<i>Asclepias incarnata</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TALL WOOD SORREL	<i>Oxalis europaea</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
TIMOTHY	<i>Phleum pratense</i>	
TOAD RUSH	<i>Juncus bufonius</i>	
TORREY'S RUSH	<i>Juncus torreyi</i>	
VELVET LEAF	<i>Abutilon theophrasti</i>	
WHITE ASH	<i>Fraxinus americana</i>	
WHITE CAMPION	<i>Lychnis alba</i>	

Common Name	Scientific Name	Number of Animals Observed
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SAGE	<i>Artemisia ludoviciana</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD ONION	<i>Allium canadense</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WOOD AVENS	<i>Geum canadense</i>	
YELLOW AVENS	<i>Geum aleppicum strictum</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
YELLOW ROCKET	<i>Barbarea vulgaris</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	3
COMMON GREEN DARNER	<i>Anax junius</i>	7
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	1
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	6
BUTTERFLIES		
BLACK SWALLOWTAIL	<i>Papilio polyxenes</i>	2
CABBAGE WHITE	<i>Pieris rapae</i>	3
COMMON SULFUR	<i>Colias philodice</i>	1
LITTLE YELLOW	<i>Eurema lisa</i>	1
MONARCH	<i>Danaus plexippus</i>	3
ORANGE SULFUR	<i>Colias eurytheme</i>	3
PAINTED LADY	<i>Vanessa cardui</i>	1
PEARL CRESCENT	<i>Phyciodes tharos</i>	3
PECK'S SKIPPER	<i>Polites peckius</i>	2
REPTILES		
EASTERN GARTER SNAKE	<i>Thamnophis sirtalis</i>	16
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN CROW	<i>Corvus brachyrhynchos</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	

Common Name	Scientific Name	Number of Animals Observed
DARK-EYED JUNCO	<i>Junco hyemalis</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GOLDEN-CROWNED KINGLET	<i>Regulus satrapa</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
HAIRY WOODPECKER	<i>Picoides villosus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
TURKEY VULURE	<i>Cathartes aura</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WHITE-THROATED SPARROW	<i>Zonotrichia albicollis</i>	
YELLOW-RUMPED WARBLER	<i>Dendroica coronata</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
BROWN RAT	<i>Rattus norvegicus</i>	
COYOTE	<i>Canis latrans</i>	
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	67
RACCOON	<i>Procyon lotor</i>	
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	49
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	

TABLE C-13. List of Common and Scientific Names for Plants and Animals Identified at Site 9

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BIENNIAL WORMWOOD	<i>Artemisia biennis</i>	
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>	

Common Name	Scientific Name	Number of Animals Observed
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	
BOX ELDER	<i>Acer negundo</i>	
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CANADA WILD RICE	<i>Elymus canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
CLUSTERED BLACK SNAKEROOT	<i>Sanicula gregaria</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON COMFREY	<i>Symphytum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON FOX SEDGE	<i>Carex stipata</i>	
COMMON GAURA	<i>Gaura biennis pitcheri</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON PEPPERCRESS	<i>Lepidium virginicum</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
COMMON WOOD SORREL	<i>Oxalis stricta</i>	
COMMON WORMWOOD	<i>Artemisia absinthium</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
CRESTED OVAL SEDGE	<i>Carex cristatella</i>	
CROWN VETCH	<i>Coronilla varia</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>	
DEPTFORD PINK	<i>Dianthus armeria</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD NUT SEDGE	<i>Cyperus esculentus</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	

Common Name	Scientific Name	Number of Animals Observed
GREAT BULRUSH	<i>Scirpus validus creber</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
JAPANESE BARBERRY	<i>Berberis thunbergii</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
MARSH SPIKE RUSH	<i>Eleocharis smallii</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
NARROW-LEAVED CATTAIL	<i>Typha angustifolia</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
OLD-FIELD PANIC GRASS	<i>Panicum implicatum</i>	
ORCHARD GRASS	<i>Dactylis glomerata</i>	
OX-EYE-DAISY	<i>Chrysanthemum leucanthemum</i>	
PASTURE ROSE	<i>Rosa carolina</i>	
PASTURE THISTLE	<i>Cirsium discolor</i>	
PLAINS THREE-AWN GRASS	<i>Aristida oligantha</i>	
PRAIRIE INDIAN HEMP	<i>Apocynum sibiricum</i>	
PURSLANE	<i>Portulaca oleracea</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED BULRUSH	<i>Scirpus pendulus</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED-OSIER DOGWOOD	<i>Cornus stolonifera</i>	
RED-ROOTED SPIKE RUSH	<i>Eleocharis erythropoda</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROUGH DROPSEED	<i>Sporobolus asper</i>	
RUSSIAN OLIVE	<i>Elaeagnus angustifolia</i>	
SALT-MEADOW GRASS	<i>Diplachne acuminata</i>	
SANDBAR WILLOW	<i>Salix interior</i>	
SEASIDE GOLDENROD	<i>Solidago sempervirens</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	

Common Name	Scientific Name	Number of Animals Observed
SIDE-FLOWERING ASTER	<i>Aster lateriflorus</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	
STICKSEED	<i>Hackelia virginiana</i>	
STIFF GOLDENROD	<i>Solidago rigida</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
TORREY'S RUSH	<i>Juncus torreyi</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
WAFER ASH	<i>Ptelea trifoliata</i>	
WATER KNOTWEED	<i>Polygonum amphibium</i>	
WAYFARING TREE	<i>Viburnum lantana</i>	
WHITE CAMPION	<i>Lychnis alba</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WOOD AVENS	<i>Geum canadense</i>	
WOODLAND KNOTWEED	<i>Polygonum virginianum</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
AUTUMN MEADOWHAWK	<i>Sympetrum vicinum</i>	6
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	54
BLUE DASHER	<i>Pachydiplax longipennis</i>	79
CALICO PENNANT	<i>Celithemis elisa</i>	6
COMMON GREEN DARNER	<i>Anax junius</i>	40
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	60
COMMON WHITETAIL	<i>Libellula lydia</i>	1
EASTERN AMBERWING	<i>Perithemis tenera</i>	83
HALLOWEEN PENNANT	<i>Celithemis eponina</i>	6
PRINCE BASKETTAIL	<i>Epithica princeps</i>	12
RUBY MEADOWHAWK	<i>Sympetrum rubincundulum</i>	1

Common Name	Scientific Name	Number of Animals Observed
SWAMP DARNER	<i>Epiaeshna heros</i>	1
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	2
WANDERING GLIDER	<i>Pantala flavescens</i>	7
WIDOW SKIMMER	<i>Libellula luctuosa</i>	45
DAMSELFLIES		
DOUBLE-STRIPED BLUET	<i>Enallagma basidens</i>	3
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	73
FAMILIAR BLUET	<i>Enallagma civile</i>	24
FRAGILE FORKTAIL	<i>Ischnura posita</i>	1
ORANGE BLUET	<i>Enallagma signatum</i>	13
SKIMMING BLUET	<i>Enallagma geminatum</i>	2
SLENDER SPREADWING	<i>Lestes rectangularis</i>	2
STREAM BLUET	<i>Enallagma exsulans</i>	2
VIOLET DANCER	<i>Argia fumipennis</i>	12
BUTTERFLIES		
BLACK SWALLOWTAIL	<i>Papilio polyxenes</i>	1
BUCKEYE	<i>Junonia coenia</i>	9
CABBAGE WHITE	<i>Pieris rapae</i>	4
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	2
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	1
MONARCH	<i>Danaus plexippus</i>	2
ORANGE SULFUR	<i>Colias eurytheme</i>	2
PECK'S SKIPPER	<i>Polites peckius</i>	1
TAWNY EDGE SKIPPER	<i>Polites themistocles</i>	1
TIGER SWALLOWTAIL	<i>Papilio glaucus</i>	1
VICEROY	<i>Limenitis archippus</i>	1
WILD INDIGO DUSKYWING	<i>Erynnis baptisiae</i>	3
AMPHIBIANS		
AMERICAN TOAD	<i>Bufo americanus</i>	9
BULLFROG	<i>Rana catesbeiana</i>	4
REPTILES		
COMMON SNAPPING TURTLE	<i>Chelydra serpentina</i>	6
MIDLAND PAINTED TURTLE	<i>Chrysemys picta marginata</i>	21
PLAINS GARTER SNAKE	<i>Thamnophis radix</i>	27
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN KESTREL	<i>Falco sparverius</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
AMERICAN WOODCOCK	<i>Scolopax minor</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	

Common Name	Scientific Name	Number of Animals Observed
BLUE-GRAY GNATCATCHER	<i>Polioptila caerulea</i>	
BLUE JAY	<i>Cyanocitta cristata</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT CRESTED FLYCATCHER	<i>Myiarchus crinitus</i>	
GREEN HERON	<i>Butorides virescens</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
LEAST FLYCATCHER	<i>Empidonax minimus</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
SPOTTED SANDPIPER	<i>Actitis macularius</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
COYOTE	<i>Canis latrans</i>	
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN FOX SQUIRREL	<i>Sciurus niger</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
HOUSE MOUSE	<i>Mus musculus</i>	1
PRAIRIE VOLE	<i>Microtus orchrogaster</i>	7
RACCOON	<i>Procyon lotor</i>	
STRIPED SKUNK	<i>Mephitis mephitis</i>	

Common Name	Scientific Name	Number of Animals Observed
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	55
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	

TABLE C-14. List of Common and Scientific Names for Plants and Animals Identified at Site 10

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK NIGHTSHADE	<i>Solanum americanum</i>	
BOX ELDER	<i>Acer negundo</i>	
BRISTLY FOXTAIL	<i>Setaria verticillata</i>	
CATNIP	<i>Nepeta cataria</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON MORNING GLORY	<i>Ipomoea purpurea</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD SOW THISTLE	<i>Sonchus arvensis</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
GARDEN SUNFLOWER	<i>Helianthus annuus</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GIANT RAGWEED	<i>Ambrosia trifida</i>	
GREEN AMARANTH	<i>Amaranthus hybridus</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY CRAB GRASS	<i>Digitaria sanguinalis</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HEDGE MUSTARD	<i>Sisymbrium officinale</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
KNEE GRASS	<i>Panicum dichotomiflorum</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	

Common Name	Scientific Name	Number of Animals Observed
LATE BONESET	<i>Eupatorium serotinum</i>	
MARSH FLEABANE	<i>Erigeron philadelphicus</i>	
OLD WITCH GRASS	<i>Panicum capillare</i>	
PINKWEED	<i>Polygonum pensylvanicum</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
PURSLANE	<i>Portulaca oleracea</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
REDTOP	<i>Agrostis alba</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
VELVET LEAF	<i>Abutilon theophrasti</i>	
WATER KNOTWEED	<i>Polygonum amphibium</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tamea lacerate</i>	21
BLUE DASHER	<i>Pachydiplax longipennis</i>	12
CALICO PENNANT	<i>Celithemis elisa</i>	1
COMMON GREEN DARNER	<i>Anax junius</i>	210
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	1
COMMON WHITETAIL	<i>Libellula lydia</i>	5
EASTERN AMBERWING	<i>Perithemus tenera</i>	27
PRINCE BASKETTAIL	<i>Epithica princeps</i>	2
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	15
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	2
WANDERING GLIDER	<i>Pantala flavescens</i>	2
WIDOW SKIMMER	<i>Libellula luctuosa</i>	5
DAMSELFLIES		
DOUBLE-STRIPED BLUET	<i>Enallagma basidens</i>	2
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	896
FAMILIAR BLUET	<i>Enallagma civile</i>	239
FRAGILE FORKTAIL	<i>Ischnura posita</i>	4
SLENDER SPREADWING	<i>Lestes rectangularis</i>	1
BUTTERFLIES		
BLACK SWALLOWTAIL	<i>Papilio polyxenes</i>	2
BUCKEYE	<i>Junonia coenia</i>	6
CABBAGE WHITE	<i>Pieris rapae</i>	10
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	3

Common Name	Scientific Name	Number of Animals Observed
FIERY SKIPPER	<i>Hylephilia phileus</i>	7
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	13
ORANGE SULFUR	<i>Colias eurytheme</i>	2
PEARL CRESCENT	<i>Phyciodes tharos</i>	17
PECK'S SKIPPER	<i>Polites peckius</i>	3
AMPHIBIANS		
AMERICAN TOAD	<i>Bufo americanus</i>	22
REPTILES		
PLAINS GARTER SNAKE	<i>Thamnophis radix</i>	14
BIRDS		
AMERICAN BLACK DUCK	<i>Anas rubripes</i>	
AMERICAN GOLDEN-PLOVER	<i>Pluvialis dominica</i>	
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN CROW	<i>Corvus brachyrhynchos</i>	
AMERICAN KESTREL	<i>Falco sparverius</i>	
AMERICAN PIPIT	<i>Anthus rubescens</i>	
AMERICAN REDSTART	<i>Setophaga ruticilla</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
AMERICAN TREE SPARROW	<i>Spizella arborea</i>	
AMERICAN WIGEON	<i>Anas americana</i>	
BAIRD'S SANDPIPER	<i>Calidris bairdii</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BANK SWALLOW	<i>Riparia riparia</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BAY-BREASTED WARBLER	<i>Dendroica castanea</i>	
BELTED KINGFISHER	<i>Megaceryle alcyon</i>	
BLACK-BELLIED PLOVER	<i>Pluvialis squatarola</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLACK-CROWNED NIGHT-HERON	<i>Nycticorax nycticorax</i>	
BLACKPOLL WARBLER	<i>Dendroica striata</i>	
BLACK-THROATED GREEN WARBLER	<i>Dendroica virens</i>	
BLUE-GRAY GNATCATCHER	<i>Polioptila caerulea</i>	
BLUE JAY	<i>Cyanocitta cristata</i>	
BLUE-WINGED TEAL	<i>Anas discors</i>	
BLUE-WINGED WARBLER	<i>Vermivora cyanoptera</i>	
BONAPARTE'S GULL	<i>Chroicocephalus philadelphia</i>	
BROAD-WINGED HAWK	<i>Buteo platypterus</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
BROWN THRASHER	<i>Toxostoma rufum</i>	
BUFF-BREASTED SANDPIPER	<i>Tringites subruficollis</i>	
BUFFLEHEAD	<i>Bucephala albeola</i>	
CANADA GOOSE	<i>Branata canadensis</i>	

Common Name	Scientific Name	Number of Animals Observed
CAPE MAY WARBLER	<i>Dendroica tigrina</i>	
CASPIAN TERN	<i>Hydroprogne caspia</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
CHIPPING SPARROW	<i>Spizella passerina</i>	
CLAY-COLORED SPARROW	<i>Spizella pallida</i>	
CLIFF SWALLOW	<i>Petrochelidon pyrrhonota</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
COOPER'S HAWK	<i>Accipiter cooperii</i>	
DARK-EYED JUNCO	<i>Junco hyemalis</i>	
DICKCISSEL	<i>Spiza americana</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
DUNLIN	<i>Calidris alpina</i>	
EASTERN PHOEBE	<i>Sayornis phoebe</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
FIELD SPARROW	<i>Spizella pusilla</i>	
FORESTER'S TERN	<i>Sterna forsteri</i>	
FOX SPARROW	<i>Passerella iliaca</i>	
GADWALL	<i>Anas strepera</i>	
GOLDEN-CROWNED KINGLET	<i>Regulus satrapa</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREAT EGRET	<i>Ardea alba</i>	
GREATER YELLOWLEGS	<i>Tringa melanoleuca</i>	
GREEN-WINGED TEAL	<i>Anas crecca</i>	
GREEN HERON	<i>Butorides virescens</i>	
HERRING GULL	<i>Larus argentatus</i>	
HORNED LARK	<i>Eremophila alpestris</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
LEAST SANDPIPER	<i>Calidris minutilla</i>	
LESSER SCAUP	<i>Aythya affinis</i>	
LESSER YELLOWLEGS	<i>Tringa flavipes</i>	
LINCOLN'S SPARROW	<i>Melospiza lincolnii</i>	
MAGNOLIA WARBLER	<i>Dendroica magnolia</i>	
MALLARD	<i>Anas platyrhynchos</i>	

Common Name	Scientific Name	Number of Animals Observed
MARSH WREN	<i>Cistothorus palustris</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NASHVILLE WARBLER	<i>Oreothlypis ruficapilla</i>	
NEOTROPIC CORMORANT	<i>Phalacrocorax brasilianus</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
NORTHERN SHOVELAR	<i>Anas clypeata</i>	
NORTHERN WATERTHRUSH	<i>Parkesia noveboracensis</i>	
ORANGE-CROWNED WARBLER	<i>Oreothlypis celata</i>	
PALM WARBLER	<i>Dendroica palmarum</i>	
PECTORAL SANDPIPER	<i>Calidris melanotos</i>	
PEREGRINE FALCON	<i>Falco peregrinus</i>	
PIED-BILLED GREBE	<i>Podilymbus podiceps</i>	
PRAIRIE WARBLER	<i>Dendroica discolor</i>	
RED-BREADED MERGANSER	<i>Mergus serrator</i>	
RED-HEADED WOODPECKER	<i>Melanerpes erythrocephalus</i>	
RED-TAILED HAWK	<i>Buteo jamaicensis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
RING-NECKED PHEASANT	<i>Phasianus colchicus</i>	
ROCK PIGEON	<i>Columba livia</i>	
ROSE-BREADED GROSBEAK	<i>Pheucticus ludovicianus</i>	
RUBY-CROWNED KINGLET	<i>Regulus calendula</i>	
RUBY-THROATED HUMMINGBIRD	<i>Archilochus colubris</i>	
RUDDY DUCK	<i>Oxyura jamaicensis</i>	
RUSTY BLACKBIRD	<i>Euphagus carolinus</i>	
SAVANNAH SPARROW	<i>Passerculus sandwichensis</i>	
SEMIPALMATED PLOVER	<i>Charadrius semipalmatus</i>	
SEMIPALMATED SANDPIPER	<i>Calidris pusilla</i>	
SHORT-BILLED DOWITCHER	<i>Limnodromus griseus</i>	
SNOW BUNTING	<i>Plectrophenax nivalis</i>	
SOLITARY SANDPIPER	<i>Tringa solitaria</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
SORA	<i>Porzana carolina</i>	
SPOTTED SANDPIPER	<i>Actitis macularius</i>	
STILT SANDPIPER	<i>Calidris himantopus</i>	
SWAINSON'S THRUSH	<i>Catharus ustulatus</i>	
SWAMP SPARROW	<i>Melospiza georgiana</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
TENNESSEE WARBLER	<i>Oreothlypis peregrina</i>	
TURKEY VULTURE	<i>Cathartes aura</i>	

Common Name	Scientific Name	Number of Animals Observed
VESPER SPARROW	<i>Pooecetes gramineus</i>	
VIRGINA RAIL	<i>Rallus limicola</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WESTERN SANDPIPER	<i>Calidris mauri</i>	
WHITE-CROWNED SPARROW	<i>Zonotrichia leucophrys</i>	
WHITE-THROATED SPARROW	<i>Zonotrichia albicollis</i>	
WILSON'S PHALAROPE	<i>Phalaropus tricolor</i>	
WILSON'S SNIPE	<i>Gallinago delicata</i>	
WILSON'S WARBLER	<i>Wilsonia pusilla</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
WINTER WREN	<i>Troglodytes hiemalis</i>	
WOOD DUCK	<i>Aix sponsa</i>	
YELLOW-BELLIED SAPSUCKER	<i>Sphyrapicus varius</i>	
YELLOW-RUMPED WARBLER	<i>Dendroica coronata</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
COYOTE	<i>Canis latrans</i>	
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
LONG-TAILED WEASEL	<i>Mustela frenata</i>	1
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	29
NORTHERN SHORT-TAILED SHREW	<i>Blarina brevicauda</i>	1
RACCOON	<i>Procyon lotor</i>	
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	40
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	

TABLE C-15. List of Common and Scientific Names for Plants and Animals Identified at Site 11

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ALFALFA	<i>Medicago sativa</i>	
AMUR HONEYSUCKLE	<i>Lonicera maackii</i>	
ANNUAL BEDSTRAW	<i>Galium asparine</i>	
ANNUAL FLEABANE	<i>Erigeron annus</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BIENNIAL WORMWOOD	<i>Artemisia biennis</i>	
BIG BLUESTEM GRASS	<i>Andropogon gerardii</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>	
BLACK LOCUST	<i>robinia pseudoacacia</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	

Common Name	Scientific Name	Number of Animals Observed
BOX ELDER	<i>Acer negundo</i>	
BROAD-LEAVED PURPLE CONEFLOWER	<i>Echinacea purpurea</i>	
BUSHY KNOTWEED	<i>Polygonum ramosissimum</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CANADA WILD RICE	<i>Elymus canadensis</i>	
CATNIP	<i>Nepeta cataria/</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DAY FLOWER	<i>Commelina communis</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON MULLEIN	<i>Verbascum thapsus</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON ST. JOHN'S WORT	<i>Hypericum perforatum</i>	
COMMON TEASEL	<i>Dipsacus sylvestris</i>	
COMMON WOOD SORREL	<i>Oxalis stricta</i>	
COMMON WORMWOOD	<i>Artemisia absinthium</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
CRESTED OVAL SEDGE	<i>Carex cristatella</i>	
CROWN VETCH	<i>Coronilla varia</i>	
CULVER'S ROOT	<i>Veronicastrum virginicum</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
DAME'S ROCKET	<i>Hesperis matronalis</i>	
DOWNY BROME	<i>Bromus tectorum</i>	
DRUMMOND'S ASTER	<i>Aster sagittifolius drummondii</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
FALSE SUNFLOWER	<i>Heliopsis helianthoides</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD NUT SEDGE	<i>Cyperus esculentus</i>	
FIREWEED	<i>Erechtites hieracifolia</i>	
FLOWER-OF-AN-HOUR	<i>Hibiscus trionum</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GERMANDER	<i>Teucrium canadense</i>	
GIANT FOXTAIL	<i>Setaria faberi</i>	
GIANT RAGWEED	<i>Ambrosia trifida</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GOLDEN ALEXANDERS	<i>Zizia aurea</i>	

Common Name	Scientific Name	Number of Animals Observed
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HOARY VERVAIN	<i>Verbena stricta</i>	
HORSE NETTLE	<i>Solanum carolinense</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LITTLE BLUESTEM GRASS	<i>Andropogon scoparius</i>	
MARSH SPIKE RUSH	<i>Eleocharis smallii</i>	
MOTH MULLEIN	<i>Verbascum blattaria</i>	
MOTHERWORT	<i>Leonurus cardiaca</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
NIMBLEWILL	<i>Muhlenbergia schreberi</i>	
OLD WITCH GRASS	<i>Panicum capillare</i>	
ORANGE DAY LILY	<i>Hemerocallis fulva</i>	
ORANGE JEWELWEED	<i>Impatiens capensis</i>	
ORCHARD GRASS	<i>Dactylis glomerata</i>	
PALE DOCK	<i>Rumex altissimus</i>	
PANICLED ASTER	<i>Aster simplex</i>	
PENNY CRESS	<i>Thlaspi arvense</i>	
POISON IVY	<i>Rhus radicans</i>	
POKEWEED	<i>Phytolacca americana</i>	
POVERTY OAT GRASS	<i>Danthonia spicata</i>	
PRICKLY LETTUCE	<i>Lactuca serriola</i>	
PURSLANE	<i>Portulaca oleracea</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RICE CUT GRASS	<i>Leersia oryzoides</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROSIN WEED	<i>Silphium integrifolium</i>	
ROUGH AMARANTH	<i>Amaranthus retroflexus</i>	

Common Name	Scientific Name	Number of Animals Observed
SEASIDE GOLDENROD	<i>Solidago sempervirens</i>	
SESSILE-LEAVED TICK TREFOIL	<i>Desmodium sessilifolium</i>	
SIDE-OATS GRAMA	<i>Bouteloua curtipendula</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
SPOTTED CREEPING SPURGE	<i>Euphorbia supina</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	
STICKSEED	<i>Hackelia virginiana</i>	
SWAMP MILKWEED	<i>Asclepias incarnata</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
UPRIGHT CINQUEFOIL	<i>Potentilla recta</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
VIRGINIA WILD RYE	<i>Elymus virginicus</i>	
WATER PEPPER	<i>Polygonum hydropiper</i>	
WHITE CAMPION	<i>Lychnis alba</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD BLACK CURRANT	<i>Ribes americanum</i>	
WOOD AVENS	<i>Geum canadense</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW ROCKET	<i>Barbarea vulgaris</i>	
DRAGONFLIES		
AUTUMN MEADOWHAWK	<i>Sympetrum vicinum</i>	5
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	42
BLUE DASHER	<i>Pachydiplax longipennis</i>	59
COMMON BASKETTAIL	<i>Epithica cynosure</i>	3
COMMON GREEN DARNER	<i>Anax junius</i>	57
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	9
COMMON WHITETAIL	<i>Libellula lydia</i>	46
DOT-TAILED WHITEFACE	<i>Libellula intacta</i>	2
EASTERN AMBERWING	<i>Perithemus tenera</i>	9
HALLOWEEN PENNANT	<i>Celithemis eponina</i>	3

Common Name	Scientific Name	Number of Animals Observed
HINE'S EMERALD	<i>Somatachlora hineana</i>	1
JADE CLUBTAIL	<i>Argomphus submedianus</i>	8
LANCE-TIPPED DARNER	<i>Aeshna constricta</i>	1
PRINCE BASKETTAIL	<i>Epithica princeps</i>	4
RUBY MEADOWHAWK	<i>Sympetrum rubincundulum</i>	9
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	12
SWAMP DARNER	<i>Epiaeshna heros</i>	1
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	23
UNICORN CLUBTAIL	<i>Argomphus villosipes</i>	1
WANDERING GLIDER	<i>Pantala flavescens</i>	11
WIDOW SKIMMER	<i>Libellula luctuosa</i>	90
DAMSELFLIES		
AZURE BLUET	<i>Enallagma aspersum</i>	1
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	1
BLUE-TIPPED DANCER	<i>Argia tibialis</i>	3
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	4
SLENDER SPREADWING	<i>Lestes rectangularis</i>	1
BUTTERFLIES		
BUCKEYE	<i>Junonia coenia</i>	3
CABBAGE WHITE	<i>Pieris rapae</i>	93
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	2
FIERY SKIPPER	<i>Hylephilia phileus</i>	6
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	16
MONARCH	<i>Danaus plexippus</i>	2
ORANGE SULFUR	<i>Colias eurytheme</i>	6
PEARL CRESCENT	<i>Phyciodes tharos</i>	37
PECK'S SKIPPER	<i>Polites peckius</i>	1
RED-SPOTTED PURPLE	<i>Limentis astyanax</i>	1
TIGER SWALLOWTAIL	<i>Papilio glaucus</i>	1
VICEROY	<i>Limenitis archippus</i>	3
WILD INDIGO DUSKYWING	<i>Erynnis baptisiae</i>	11
AMPHIBIANS		
AMERICAN TOAD	<i>Bufo americanus</i>	29
NORTHERN CRICKET FROG	<i>Acris crepitans</i>	3 (frog calls)
REPTILES		
EASTERN MILKSNAKE	<i>Lampropeltis triangulum</i>	1
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN CROW	<i>Corvus brachyrhynchos</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BANK SWALLOW	<i>Riparia riparia</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	

Common Name	Scientific Name	Number of Animals Observed
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLUE JAY	<i>Cyanocitta cristata</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CASPIAN TERN	<i>Hydroprogne caspia</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CLIFF SWALLOW	<i>Petrochelidon pyrrhonota</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN PHOEBE	<i>Sayornis phoebe</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREAT EGRET	<i>Ardea alba</i>	
GREEN HERON	<i>Butorides virescens</i>	
HERRING GULL	<i>Larus argentatus</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
MAMMALS		
COYOTE	<i>Canis latrans</i>	4
LONG-TAILED WEASEL	<i>Mustela frenata</i>	
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	2
NORTHERN SHORT-TAILED SHREW	<i>Blarina brevicauda</i>	5
RACCOON	<i>Procyon lotor</i>	3
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	2
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	54
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	

TABLE C-16. List of Common and Scientific Names for Plants and Animals Identified at Site 14

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>	
BLUE JOINT GRASS	<i>Calamagrostis canadensis</i>	
BLUE VERVAIN	<i>Verbena hastata</i>	
BLUNT SPIKE RUSH	<i>Eleocharis obtusa</i>	
BOX ELDER	<i>Acer negundo</i>	
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CANADA GOLDENROD	<i>Solidago canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CHAIRMAKER'S RUSH	<i>Scirpus pungens</i>	
CINNAMON WILLOW HERB	<i>Epilobium coloratum</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON SPIDERWORT	<i>Tradescantia ohioensis</i>	
COMMON WATER HOREHOUND	<i>Lycopus americanus</i>	
DARK GREEN RUSH	<i>Scirpus atrovirens</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
FALSE NETTLE	<i>Boehmeria cylindrica</i>	
FIELD OVAL SEDGE	<i>Carex molesta</i>	
FIELD SOW THISTLE	<i>Sonchus arvensis</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FLOWERING SPURGE	<i>Euphorbia corollata</i>	
GARDEN SUNFLOWER	<i>Helianthus annuus</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
GREEN FOXTAIL	<i>Setaria viridis</i>	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HARDY CATALPA	<i>Catalpa speciosa</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HENBIT	<i>Lamium amplexicaule</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORNWORT	<i>Ceratophyllum demersum</i>	

Common Name	Scientific Name	Number of Animals Observed
HORSEWEED	<i>Erigeron canadensis</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
HYBRID CATTAIL	<i>Typha X glauca</i>	
INDIAN GRASS	<i>Sorghastrum nutans</i>	
JOINT RUSH	<i>Juncus nodosus</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
KNEE GRASS	<i>Panicum dichotomiflorum</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LITTLE BLUESTEM GRASS	<i>Andropogon scoparius</i>	
LONG-SCALED NUT SEDGE	<i>Cyperus strigosus</i>	
MARSH ASTER	<i>Aster simplex interior</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
NARROW-LEAVED CATTAIL	<i>Typha angustifolia</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
OLD-FIELD GOLDENROD	<i>Solidago nemoralis</i>	
OLD-FIELD PANIC GRASS	<i>Panicum implicatum</i>	
ORANGE JEWELWEED	<i>Impatiens capensis</i>	
PASTURE THISTLE	<i>Cirsium discolor</i>	
PINKWEED	<i>Polygonum pensylvanicum</i>	
POISON IVY	<i>Rhus radicans</i>	
PRICKLY WILD GOOSEBERRY	<i>Ribes cynosbati</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
PURPLE-STEMMED TICKSEED	<i>Bidens connata</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED MAPLE	<i>Acer rubrum</i>	
RED-OSIER DOGWOOD	<i>Cornus stolonifera</i>	
RED-ROOTED SPIKE RUSH	<i>Eleocharis erythropoda</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROUGH AVENS	<i>Geum laciniatum trichocarpum</i>	
ROUGH-LEAVED DOGWOOD	<i>Cornus drummondii</i>	
RUSTY NUT SEDGE	<i>Cyperus ferruginescens</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMARTWEED	<i>Polygonum punctatum</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
SPOTTED JOE PYE WEED	<i>Eupatorium maculatum</i>	
SUGAR MAPLE	<i>Acer saccharum</i>	
SWAMP MARIGOLD	<i>Bidens aristosa</i>	

Common Name	Scientific Name	Number of Animals Observed
SWAMP MILKWEED	<i>Asclepias incarnata</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TORREY'S RUSH	<i>Juncus torreyi</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
VISCID GRASS-LEAVED GOLDENROD	<i>Solidago gymnospermoides</i>	
WATER KNOTWEED	<i>Polygonum amphibium</i>	
WATER PEPPER	<i>Polygonum hydropiper</i>	
WAYFARING TREE	<i>Viburnum lantana</i>	
WHITE ASH	<i>Fraxinus americana</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD GOLDEN GLOW	<i>Rudbeckia laciniata</i>	
WILD MINT	<i>Mentha arvensis villosa</i>	
WILD STRAWBERRY	<i>Fragaria virginiana</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	36
BLUE DASHER	<i>Pachydiplax longipennis</i>	55
CALICO PENNANT	<i>Celithemis elisa</i>	45
COMMON BASKETTAIL	<i>Epithica cynosure</i>	1
COMMON GREEN DARNER	<i>Anax junius</i>	19
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	52
COMMON WHITETAIL	<i>Libellula lydia</i>	8
EASTERN AMBERWING	<i>Perithemus tenera</i>	9
HALLOWEEN PENNANT	<i>Celithemis eponina</i>	13
PRINCE BASKETTAIL	<i>Epithica princeps</i>	7
RUBY MEADOWHAWK	<i>Sympetrum rubincundulum</i>	3
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	4
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	13
WANDERING GLIDER	<i>Pantala flavescens</i>	1
WIDOW SKIMMER	<i>Libellula luctuosa</i>	68

Common Name	Scientific Name	Number of Animals Observed
DAMSELFLIES		
DOUBLE-STRIPED BLUET	<i>Enallagma basidens</i>	160
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	18
FAMILIAR BLUET	<i>Enallagma civile</i>	1
ORANGE BLUET	<i>Enallagma signatum</i>	1
SLENDER SPREADWING	<i>Lestes rectangularis</i>	2
BUTTERFLIES		
BUCKEYE	<i>Junonia coenia</i>	
CABBAGE WHITE	<i>Pieris rapae</i>	
FIERY SKIPPER	<i>Hylephilia phileus</i>	
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	
MONARCH	<i>Danaus plexippus</i>	
ORANGE SULFUR	<i>Colias eurytheme</i>	
PAINTED LADY	<i>Vanessa cardui</i>	
PEARL CRESCENT	<i>Phyciodes tharos</i>	
PECK'S SKIPPER	<i>Polites peckius</i>	
SUMMER AZURE	<i>Celastrina neglecta</i>	
TIGER SWALLOWTAIL	<i>Papilio glaucus</i>	
VICEROY	<i>Limenitis archippus</i>	
AMPHIBIANS		
BULLFROG	<i>Rana catesbeiana</i>	18
REPTILES		
MIDLAND PAINTED TURTLE	<i>Chrysemys picta marginata</i>	39
PLAINS GARTER SNAKE	<i>Thamnophis radix</i>	41
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT EGRET	<i>Ardea alba</i>	
HERRING GULL	<i>Larus argentatus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	

Common Name	Scientific Name	Number of Animals Observed
MARSH WREN	<i>Cistothorus palustris</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
TURKEY VULTURE	<i>Cathartes aura</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
COYOTE	<i>Canis latrans</i>	
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	13
NORTHERN SHORT-TAILED SHREW	<i>Blarina brevicauda</i>	1
RACCOON	<i>Procyon lotor</i>	
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	2
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	15
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	

TABLE C-17. List of Common and Scientific Names for Plants and Animals Identified at Site 20

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
APPLE	<i>Malus pumila</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BIENNIAL WORMWOOD	<i>Artemisia biennis</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	
BLACK WILLOW	<i>Salix nigra</i>	
BOX ELDER	<i>Acer negundo</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	
CANADA WILD RICE	<i>Elymus canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	

Common Name	Scientific Name	Number of Animals Observed
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON PEPPERCRESS	<i>Lepidium virginicum</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON WOOD SORREL	<i>Oxalis stricta</i>	
DOTTED HAWTHORN	<i>Crataegus punctata</i>	
DWARF FRAGRANT SUMAC	<i>Rhus aromatic arenaria</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FLOWER-OF-AN-HOUR	<i>Hibiscus trionum</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HORSE NETTLE	<i>Solanum carolinense</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
MUGWORT	<i>Artemisia vulgaris</i>	
POISON HEMLOCK	<i>Conium maculatum</i>	
POKEWEED	<i>Phytolacca americana</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
PURSLANE	<i>Portulaca oleracea</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROUGH AMARANTH	<i>Amaranthus retroflexus</i>	
SMALL DUCKWEED	<i>Lemna minor</i>	
SMOOTH GRAB GRASS	<i>Digitaria ischaemum</i>	
SPINY SOW THISTLE	<i>Sonchus asper</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	
STAGHORN SUMAC	<i>Rhus typhina</i>	
STICKSEED	<i>Hackelia virginiana</i>	
STORKSBILL	<i>Erodium cicutarium</i>	
SUGAR MAPLE	<i>Acer saccharum</i>	
TALL BLUE LETTUCE	<i>Lactuca biennis</i>	

Common Name	Scientific Name	Number of Animals Observed
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
VELVET LEAF	<i>Abutilon theophrasti</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WILD PLUM	<i>Prunus americana</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tamea lacerate</i>	46
BLUE DASHER	<i>Pachydiplax longipennis</i>	26
CALICO PENNANT	<i>Celithemis elisa</i>	1
COMMON GREEN DARNER	<i>Anax junius</i>	110
COMMON WHITETAIL	<i>Libellula lydia</i>	16
EASTERN AMBERWING	<i>Perithemus tenera</i>	4
HALLOWEEN PENNANT	<i>Celithemis eponina</i>	2
PRINCE BASKETTAIL	<i>Epithica princeps</i>	1
RED-MANTLED SADDLEBAGS	<i>Tamea onusta</i>	3
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	36
WANDERING GLIDER	<i>Pantala flavescens</i>	6
DAMSELFLIES		
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	1
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	62
FAMILIAR BLUET	<i>Enallagma civile</i>	58
FRAGILE FORKTAIL	<i>Ischnura posita</i>	2
SLENDER SPREADWING	<i>Lestes rectangularis</i>	1
BUTTERFLIES		
CABBAGE WHITE	<i>Pieris rapae</i>	
PEARL CRESCENT	<i>Phyciodes tharos</i>	
AMPHIBIANS		
TIGER SALAMANDER	<i>Ambystoma tigrinum</i>	4
REPTILES		
COMMON SNAPPING TURTLE	<i>Chelydra serpenina</i>	2
MIDLAND PAINTED TURTLE	<i>Chrysemys picta marginata</i>	9
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdud migratorius</i>	
AMERICAN WIGEON	<i>Anas americana</i>	

Common Name	Scientific Name	Number of Animals Observed
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BANK SWALLOW	<i>Riparia riparia</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLACK-CROWNED NIGHT-HERON	<i>Nycticorax nycticorax</i>	
BLUE-WINGED TEAL	<i>Anas discors</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CASPIAN TERN	<i>Hydroprogne caspia</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
COMMON MOORHEN	<i>Gallinula chloropus</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREEN HERON	<i>Butorides virescens</i>	
HERRING GULL	<i>Larus argentatus</i>	
HOODED MERGANSER	<i>Lophodytes cucullatus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MARSH WREN	<i>Cistothorus palustris</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
MUTE SWAN	<i>Cygnus olor</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
ORCHARD ORIOLE	<i>Icterus spurius</i>	
PIED-BILLED GREBE	<i>Podilymbus podiceps</i>	
RED-TAILED HAWK	<i>Buteo jamaicensis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
SPOTTED SANDPIPER	<i>Actitis macularius</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	

Common Name	Scientific Name	Number of Animals Observed
WOOD DUCK	<i>Aix sponsa</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
COYOTE	<i>Canis latrans</i>	
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	13
MUSKRAT	<i>Ondatra zibethicus</i>	
RACCOON	<i>Procyon lotor</i>	
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	73
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	

TABLE C-18. List of Common and Scientific Names for Plants and Animals Identified at Site 32

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ALFALFA	<i>Medicago sativa</i>	
AMERICAN ELM	<i>Ulmus americana</i>	
AMUR HONEYSUCKLE	<i>Lonicera maackii</i>	
ANNUAL BEDSTRAW	<i>Galium asparine</i>	
ANNUAL FLEABANE	<i>Erigeron annus</i>	
APPLE	<i>Malus pumila</i>	
ASPARAGUS	<i>Asparagus officinalis</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BEAK-SEEDED KNOTWEED	<i>Polygonum achoreum</i>	
BIENNIAL GAURA	<i>Gaura biennis</i>	
BIG BLUESTEM GRASS	<i>Andropogon gerardii</i>	
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>	
BLACK LOCUST	<i>robinia pseudoacacia</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK NIGHTSHADE	<i>Solanum americanum</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLACK WALNUT	<i>Juglans nigra</i>	
BLUE JOINT GRASS	<i>Calamagrostis canadensis</i>	
BLUE VERVAIN	<i>Verbena hastata</i>	
BOX ELDER	<i>Acer negundo</i>	
BROAD-LEAVED CATTAIL	<i>Typha latifolia</i>	
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	

Common Name	Scientific Name	Number of Animals Observed
CATNIP	<i>Nepeta cataria</i>	
CHAIRMAKER'S RUSH	<i>Scirpus pungens</i>	
CHICORY	<i>Cichorium intybus</i>	
CINNAMON WILLOW HERB	<i>Epilobium coloratum</i>	
CLEARWEED	<i>Pilea pumila</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
CLUSTERED BLACK SNAKEROOT	<i>Sanicula gregaria</i>	
COCKLEBUR	<i>Xanthium strumarium</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLACKBERRY	<i>Rubus allegheniensis</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BONESET	<i>Eupatorium perfoliatum</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON CINQUEFOIL	<i>Potentilla simplex</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON DEWBERRY	<i>Rubus flagellaris</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON MOUNTAIN MINT	<i>Pycnanthemum virginianum</i>	
COMMON MULLEIN	<i>Verbascum thapsus</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
COMMON ST. JOHN'S WORT	<i>Hypericum perforatum</i>	
COMMON WATER HOREHOUND	<i>Lycopus americanus</i>	
COMMON WATER PLANTAIN	<i>Alisma subcordatum</i>	
COMMON WOOD SEDGE	<i>Carex blanda</i>	
COMMON WOOD SORREL	<i>Oxalis stricta</i>	
COMMON WORMWOOD	<i>Artemisia absinthium</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
CRESTED OVAL SEDGE	<i>Carex cristatella</i>	
CROWN VETCH	<i>Coronilla varia</i>	
CULVER'S ROOT	<i>Veronicastrum virginicum</i>	
CURLY DOCK	<i>Rumex crispus</i>	
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>	
DARK GREEN RUSH	<i>Scirpus atrovirens</i>	
DEPTFORD PINK	<i>Dianthus armeria</i>	
DOWNY BROME	<i>Bromus tectorum</i>	

Common Name	Scientific Name	Number of Animals Observed
DOWNY SUNFLOWER	<i>Helianthus mollis</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
EUROPEAN Highbush CRANBERRY	<i>Viburnum opulus</i>	
FALSE TOADFLAX	<i>Comandra umbellata</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD NUT SEDGE	<i>Cyperus esculentus</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FIREWEED	<i>Erechtites hieracifolia</i>	
FLOWERING SPURGE	<i>Euphorbia corollata</i>	
FOG FRUIT	<i>Lippia lanceolata</i>	
FOWL MANNA GRASS	<i>Glyceria striata</i>	
FOXGLOVE BEARD TONGUE	<i>Penstemon digitalis</i>	
FRINGED LOOSESTRIFE	<i>Lysimachia ciliata</i>	
GARDEN SUNFLOWER	<i>Helianthus annuus</i>	
GERMANDER	<i>Teucrium canadense</i>	
GIANT FOXTAIL	<i>Setaria faberi</i>	
GIANT RAGWEED	<i>Ambrosia trifida</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GOLDEN ALEXANDERS	<i>Zizia aurea</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREAT BULRUSH	<i>Scirpus validus creber</i>	
GREEN ASH	<i>Fraxinus pennsylvanica sub.</i>	
GROUND NUT	<i>Apios americana</i>	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>	
HARDY CATALPA	<i>Catalpa speciosa</i>	
HEARTSEASE	<i>Polygonum lapathifolium</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HOARY TICK TREFOIL	<i>Desmodium canescens</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORSE NETTLE	<i>Solanum carolinense</i>	
HORSETAIL	<i>Equisetum arvense</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
INDIAN GRASS	<i>Sorghastrum nutans</i>	
INDIAN HEMP	<i>Apocynum cannabinum</i>	

Common Name	Scientific Name	Number of Animals Observed
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LANCE-FRUITED OVAL SEDGE	<i>Carex scoparia</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LATE GOLDENROD	<i>Solidago gigantea</i>	
LITTLE BLUESTEM GRASS	<i>Andropogon scoparius</i>	
LOPSEED	<i>Phryma leptostachya</i>	
MARSH HEDGE NETTLE	<i>Stachys tenuifolia hispida</i>	
MARSH SKULLCAP	<i>Scutellaria epilobifolia</i>	
MONEYWORT	<i>Lysimachia nummularia</i>	
MONKEY FLOWER	<i>Mimulus ringens</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
NARROW-LEAVED CATTAIL	<i>Typha angustifolia</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
NORWAY CINQUEFOIL	<i>Potentilla norvegica</i>	
OLD-FIELD GOLDENROD	<i>Solidago nemoralis</i>	
OLD-FIELD PANIC GRASS	<i>Panicum implicatum</i>	
ORCHARD GRASS	<i>Dactylis glomerata</i>	
ORIENTAL BITTERSWEET	<i>Celastrus orbiculatus</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemum</i>	
PANICLED ASTER	<i>Aster simplex</i>	
PARTRIDGE PEA	<i>Cassia fasciculata</i>	
PASTURE ROSE	<i>Rosa carolina</i>	
PASTURE THISTLE	<i>Cirsium discolor</i>	
PATH RUSH	<i>Juncus tenuis</i>	
PEACH-LEAVED WILLOW	<i>Salix amygdaloides</i>	
POISON IVY	<i>Rhus radicans</i>	
POKEWEED	<i>Phytolacca americana</i>	
PRAIRIE BLAZING STAR	<i>Liatris pycnostachya</i>	
PRAIRIE CORD GRASS	<i>Spartina pectinata</i>	
PRICKLY WILD GOOSEBERRY	<i>Ribes cynosbati</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
PURPLE PRAIRIE CLOVER	<i>Petalostemum purpurem</i>	
PURSLANE	<i>Portulaca oleracea</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED ASH	<i>Fraxinus pennsylvanica</i>	
RED BULRUSH	<i>Scirpus pendulus</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED CLOVER	<i>Trifolium pratense</i>	

Common Name	Scientific Name	Number of Animals Observed
RED OAK	<i>Quercus rubra</i>	
RED-ROOTED SPIKE RUSH	<i>Eleocharis erythropoda</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RICE CUT GRASS	<i>Leersia oryzoides</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
RIVER BULRUSH	<i>Scirpus fluviatilis</i>	
ROSIN WEED	<i>Silphium integrifolium</i>	
RUSSIAN OLIVE	<i>Elaeagnus angustifolia</i>	
SALT-MEADOW GRASS	<i>Diplachne acuminata</i>	
SANDBAR WILLOW	<i>Salix interior</i>	
SAWTOOTH SUNFLOWER	<i>Helianthus grosseserratus</i>	
SEASIDE GOLDENROD	<i>Solidago sempervirens</i>	
SEEDBOX	<i>Ludwigia alternifolia</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SHOWY TICK TREFOIL	<i>Desmodium canadense</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SIDE-FLOWERING ASTER	<i>Aster lateriflorus</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
SPINY SOW THISTLE	<i>Sonchus asper</i>	
SPOTTED CREEPING SPURGE	<i>Euphorbia supina</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	
STAGHORN SUMAC	<i>Rhus typhina</i>	
STICKSEED	<i>Hackelia virginiana</i>	
STIFF GOLDENROD	<i>Solidago rigida</i>	
SWAMP AGRIMONY	<i>Agrimonia parviflora</i>	
SWAMP MARIGOLD	<i>Bidens aristosa</i>	
SWAMP MILKWEED	<i>Asclepias incarnata</i>	
SWAMP TICKSEED	<i>Bidens comosa</i>	
SWEET-SCENTED BEDSTRAW	<i>Galium triflorum</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL AGRIMONY	<i>Agrimonia gryposepala</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL COREOPSIS	<i>Coreopsis tripteris</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TALL SCOURING RUSH	<i>Equisetum hyemale</i>	
TALL SUNFLOWER	<i>Helianthus giganteus</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	

Common Name	Scientific Name	Number of Animals Observed
THICKET CREEPER	<i>Parthenocissus inserta</i>	
THREE-SEEDED MERCURY	<i>Acalypha rhomboidea</i>	
TIMOTHY	<i>Phleum pratense</i>	
TORREY'S RUSH	<i>Juncus torreyi</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
UPLAND HOG PEANUT	<i>Amphicarpaea bracteata</i>	
UPRIGHT CINQUEFOIL	<i>Potentilla recta</i>	
VELVET LEAF	<i>Abutilon theophrasti</i>	
VIRGINIA WATERLEAF	<i>Hydrophyllum virginianum</i>	
VIRGINIA WILD RYE	<i>Elymus virginicus</i>	
WATER PEPPER	<i>Polygonum hydropiper</i>	
WHITE BANEERRY	<i>Actaea pachypoda</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE GRASS	<i>Leersia virginica</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD MINT	<i>Mentha arvensis villosa</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WILD QUININE	<i>Parthenium integrifolium</i>	
WILD SENNA	<i>Cassia hebecarpa</i>	
WILD STRAWBERRY	<i>Fragaria virginiana</i>	
WINGED LOOSESTRIFE	<i>Lythrum alatum</i>	
WOOD AVENS	<i>Geum canadense</i>	
YANKEE BLACKBERRY	<i>Rubus pensilvanicus</i>	
YARROW	<i>Achillea millefolium</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
YELLOW ROCKET	<i>Barbarea vulgaris</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tamea lacerate</i>	30
BLUE DASHER	<i>Pachydiplax longipennis</i>	56
CAROLINA SADDLEBAGS	<i>Tamea carolina</i>	2
COMMON GREEN DARNER	<i>Anax junius</i>	35
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	1
COMMON WHITETAIL	<i>Libellula lydia</i>	45
EASTERN AMBERWING	<i>Perithemus tenera</i>	2
PRINCE BASKETTAIL	<i>Epithica princeps</i>	6
RUBY MEADOWHAWK	<i>Sympetrum rubicundulum</i>	5

Common Name	Scientific Name	Number of Animals Observed
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	2
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	13
WANDERING GLIDER	<i>Pantala flavescens</i>	5
WIDOW SKIMMER	<i>Libellula luctuosa</i>	16
DAMSELFLIES		
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	4
BLUE-TIPPED DANCER	<i>Argia tibialis</i>	2
CITRINE FORKTAIL	<i>Ischnura hastata</i>	3
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	15
EBONY JEWELWING	<i>Calopteryx maculate</i>	6
FAMILIAR BLUET	<i>Enallagma civile</i>	23
POWDERED DANCER	<i>Argia moesta</i>	1
SLENDER BLUET	<i>Enallagma traviatum</i>	1
SLENDER SPREADWING	<i>Lestes rectangularis</i>	4
STREAM BLUET	<i>Enallagma exsulans</i>	159
VIOLET DANCER	<i>Argia fumipennis</i>	4
BUTTERFLIES		
BLACK SWALLOWTAIL	<i>Papilio polyxenes</i>	8
CABBAGE WHITE	<i>Pieris rapae</i>	18
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	22
FIERY SKIPPER	<i>Hylephilia phileus</i>	1
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	11
MONARCH	<i>Danaus plexippus</i>	11
ORANGE SULFUR	<i>Colias eurytheme</i>	36
PEARL CRESCENT	<i>Phyciodes tharos</i>	20
PECK'S SKIPPER	<i>Polites peckius</i>	5
QUESTION MARK	<i>Polgonia interrogation</i>	1
TAWNY EDGE SKIPPER	<i>Polites themistocles</i>	6
WILD INDIGO DUSKYWING	<i>Erynnis baptisiae</i>	11
AMPHIBIANS		
AMERICAN TOAD	<i>Bufo americanus</i>	31
REPTILES		
COMMON SNAPPING TURTLE	<i>Chelydra serpenina</i>	15
SPINY SOFTSHELL TURTLE	<i>Apalone spinifera</i>	4
BIRDS		
AMERICAN ROBIN	<i>Turdud migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLACK-CROWNED NIGHT-HERON	<i>Nycticorax nycticorax</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CASPIAN TERN	<i>Hydroprogne caspia</i>	

Common Name	Scientific Name	Number of Animals Observed
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN PHOEBE	<i>Sayornis phoebe</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EASTERN MEADOWLARK	<i>Sturnella magna</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREAT EGRET	<i>Ardea alba</i>	
HAIRY WOODPECKER	<i>Picoides villosus</i>	
HERRING GULL	<i>Larus argentatus</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
ORCHARD ORIOLE	<i>Icterus spurius</i>	
RED-HEADED WOODPECKER	<i>Melanerpes erythrocephalus</i>	
RED-TAILED HAWK	<i>Buteo jamaicensis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
SAVANNAH SPARROW	<i>Passerculus sandwichensis</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
SPOTTED SANDPIPER	<i>Actitis macularius</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
COYOTE	<i>Canis latrans</i>	2
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	4
MASKED SHREW	<i>Sorex cinereus</i>	1
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	7
NORTHERN SHORT-TAILED SHREW	<i>Blarina brevicauda</i>	2
RACCOON	<i>Procyon lotor</i>	6
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	

Common Name	Scientific Name	Number of Animals Observed
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	17
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	4

TABLE C-19. List of Common and Scientific Names for Plants and Animals Identified at Site 40

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ALSIKE CLOVER	<i>Trifolium hybridum</i>	
AMERICAN ELM	<i>Ulmus americana</i>	
ANNUAL BEDSTRAW	<i>Galium asparine</i>	
ANNUAL FLEABANE	<i>Erigeron annus</i>	
ASPARAGUS	<i>Asparagus officinalis</i>	
AUTUMN OLIVE	<i>Elaeagnus umbellata</i>	
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLACK WILLOW	<i>Salix nigra</i>	
BLUE VERVAIN	<i>Verbena hastata</i>	
BOX ELDER	<i>Acer negundo</i>	
BROAD-LEAVED CATTAIL	<i>Typha latifolia</i>	
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CINNAMON WILLOW HERB	<i>Epilobium coloratum</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
COMMON ARROWHEAD	<i>Sagittaria latifolia</i>	
COMMON BLACKBERRY	<i>Rubus allegheniensis</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON FOX SEDGE	<i>Carex stipata</i>	
COMMON LAKE SEDGE	<i>Carex lacustris</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON PEPPERCRESS	<i>Lepidium virginicum</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON ST. JOHN'S WORT	<i>Hypericum perforatum</i>	
COMMON TEASEL	<i>Dipsacus sylvestris</i>	
COMMON WATER HOREHOUND	<i>Lycopus americanus</i>	
COMMON WATER PLANTAIN	<i>Alisma subcordatum</i>	

Common Name	Scientific Name	Number of Animals Observed
CRESTED OVAL SEDGE	<i>Carex cristatella</i>	
CROWN VETCH	<i>Coronilla varia</i>	
CULVER'S ROOT	<i>Veronicastrum virginicum</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>	
DITCH STONECROP	<i>Penthorum sedoides</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FOXLGLOVE BEARD TONGUE	<i>Penstemon digitalis</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREAT BULRUSH	<i>Scirpus validus creber</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HEDGE MUSTARD	<i>Sisymbrium officinale</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
HYBRID CATTAIL	<i>Typha X glauca</i>	
HYBRID CRACK WILLOW	<i>Salix X rubens</i>	
ITALIAN RYE GRASS	<i>Lolium multiflorum</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
KNEE GRASS	<i>Panicum dichotomiflorum</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LONG-SCALED NUT SEDGE	<i>Cyperus strigosus</i>	
MISSOURI IRONWEED	<i>Veronia missurica</i>	
MUGWORT	<i>Artemisia vulgaris</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
NARROW-LEAVED OVAL SEDGE	<i>Carex tenera</i>	
NEW ENGLAND ASTER	<i>Aster novae-angliae</i>	
NORWAY CINQUEFOIL	<i>Potentilla norvegica</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>	
PEACH-LEAVED WILLOW	<i>Salix amygdaloides</i>	
PENNY CRESS	<i>Thlaspi arvense</i>	
PERENNIAL RYE GRASS	<i>Lolium perenne</i>	
PINKWEED	<i>Polygonum pensylvanicum</i>	
POISON HEMLOCK	<i>Conium maculatum</i>	
PRAIRIE CORD GRASS	<i>Spartina pectinata</i>	

Common Name	Scientific Name	Number of Animals Observed
PRAIRIE INDIAN HEMP	<i>Apocynum sibiricum</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED-ROOTED SPIKE RUSH	<i>Eleocharis erythropoda</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RICE CUT GRASS	<i>Leersia oryzoides</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
RIVER BULRUSH	<i>Scirpus fluviatilis</i>	
ROUGH AVENS	<i>Geum laciniatum trichocarpum</i>	
RUSSIAN OLIVE	<i>Elaeagnus angustifolia</i>	
SAGO PONDWEED	<i>Potamogeton pectinatus</i>	
SANDBAR WILLOW	<i>Salix interior</i>	
SAWTOOTH SUNFLOWER	<i>Helianthus grosseserratus</i>	
SEASIDE GOLDENROD	<i>Solidago sempervirens</i>	
SELF HEAL	<i>Prunella vulgaris lanceolata</i>	
SHOWY FLY HONEYSUCKLE	<i>Lonicera X bella</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLENDER WEDGE GRASS	<i>Sphenopholis intermedia</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMALL DUCKWEED	<i>Lemna minor</i>	
SMALL LOVE GRASS	<i>Eragrostis pectinacea</i>	
SMALL PEPPERCRESS	<i>Lepidium densiflorum</i>	
SMARTWEED	<i>Polygonum punctatum</i>	
SMOOTH GRAB GRASS	<i>Digitaria ischaemum</i>	
SPINY SOW THISTLE	<i>Sonchus asper</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	
SWAMP MILKWEED	<i>Asclepias incarnata</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TORREY'S RUSH	<i>Juncus torreyi</i>	
UPRIGHT CINQUEFOIL	<i>Potentilla recta</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
WATER KNOTWEED	<i>Polygonum amphibium</i>	
WATER PEPPER	<i>Polygonum hydropiper</i>	
WHITE CAMPION	<i>Lychnis alba</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	

Common Name	Scientific Name	Number of Animals Observed
WILD MINT	<i>Mentha arvensis villosa</i>	
WILD ONION	<i>Allium canadense</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WILD PLUM	<i>Prunus americana</i>	
WINGED LOOSESTRIFE	<i>Lythrum alatum</i>	
WOOD AVENS	<i>Geum canadense</i>	
YARROW	<i>Achillea millefolium</i>	
YELLOW AVENS	<i>Geum aleppicum strictum</i>	
YELLOW ROCKET	<i>Barbarea vulgaris</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	61
BLUE DASHER	<i>Pachydiplax longipennis</i>	44
COMMON GREEN DARNER	<i>Anax junius</i>	50
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	1
COMMON WHITETAIL	<i>Libellula lydia</i>	12
RED-MANTLED SADDLEBAGS	<i>Tramea onusta</i>	1
RUBY MEADOWHAWK	<i>Sympetrum rubincundulum</i>	43
SHADOW DARNER	<i>Aeshna umbrosa</i>	1
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	9
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	10
WHITE-FACED MEADOWHAWK	<i>Sympetrum obstrusum</i>	9
DAMSELFLIES		
EASTERN RED DAMSEL	<i>Amphiagrion saucium</i>	162
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	128
EBONY JEWELWING	<i>Calopteryx maculate</i>	6
EMERALD SPREADWING	<i>Lestes dryas</i>	13
FAMILIAR BLUET	<i>Enallagma civile</i>	12
FRAGILE FORKTAIL	<i>Ischnura posita</i>	3
GREAT SPREADWING	<i>Archilestes grandis</i>	3
SLENDER SPREADWING	<i>Lestes rectangularis</i>	153
SPOTTED SPREADWING	<i>Lestes congener</i>	3
STREAM BLUET	<i>Enallagma exsulans</i>	15
SWEETFLAG SPREADWING	<i>Lestes forcipatus</i>	1
BUTTERFLIES		
CABBAGE WHITE	<i>Pieris rapae</i>	22
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	9
MONARCH	<i>Danaus plexippus</i>	5
RED ADMIRAL	<i>Vanessa atalanta</i>	4
SUMMER AZURE	<i>Celastrina neglecta</i>	15
TIGER SWALLOWTAIL	<i>Papilio glaucus</i>	1

Common Name	Scientific Name	Number of Animals Observed
AMPHIBIANS		
AMERICAN TOAD	<i>Bufo americanus</i>	15
REPTILES		
PLAINS GARTER SNAKE	<i>Thamnophis radix</i>	16
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
AMERICAN WOODCOCK	<i>Scolopax minor</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BANK SWALLOW	<i>Riparia riparia</i>	
BLUE-GRAY GNATCATCHER	<i>Poliophtila caerulea</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT HORNED OWL	<i>Bubo virginianus</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Calaptes auratus</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
NORTHERN WATERTHRUSH	<i>Parkesia noveboracensis</i>	
PEREGRINE FALCON	<i>Falco peregrinus</i>	
RED-TAILED HAWK	<i>Buteo jamaicensis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
SPOTTED SANDPIPER	<i>Actitis macularius</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WHITE-CROWNED SPARROW	<i>Zonotrichia leucophrys</i>	
WHITE-THROATED SPARROW	<i>Zonotrichia albicollis</i>	

Common Name	Scientific Name	Number of Animals Observed
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
WOOD DUCK	<i>Aix sponsa</i>	
YELLOW-RUMPED WARBLER	<i>Dendroica coronata</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	44
RACCOON	<i>Procyon lotor</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	79
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	2

TABLE C-20. List of Common and Scientific Names for Plants and Animals Identified at Site 45

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ALFALFA	<i>Medicago sativa</i>	
ALSIKE CLOVER	<i>Trifolium hybridum</i>	
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
APPLE	<i>Malus pumila</i>	
AUTUMN OLIVE	<i>Elaeagnus umbellata</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLUE JOINT GRASS	<i>Calamagrostis canadensis</i>	
BLUE VERVAIN	<i>Verbena hastata</i>	
BOX ELDER	<i>Acer negundo</i>	
BRISTLY BUTTERCUP	<i>Ranunculus pensylvanicus</i>	
BROAD-LEAVED CATTAIL	<i>Typha latifolia</i>	
BROAD-LEAVED WOOLLY SEDGE	<i>Carex pellita</i>	
BROWN FOX SEDGE	<i>Carex vulpinoidea</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	
CANADA BLUE GRASS	<i>Poa compressa</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CINNAMON WILLOW HERB	<i>Epilobium coloratum</i>	
CLEARWEED	<i>Pilea pumila</i>	
COCKLEBUR	<i>Xanthium strumarium</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON ARROWHEAD	<i>Sagittaria latifolia</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	

Common Name	Scientific Name	Number of Animals Observed
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON FOX SEDGE	<i>Carex stipata</i>	
COMMON LAKE SEDGE	<i>Carex lacustris</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
COMMON TUSsock SEDGE	<i>Carex stricta</i>	
COMMON WATER HOREHOUND	<i>Lycopus americanus</i>	
COMMON WATER PLANTAIN	<i>Alisma subcordatum</i>	
CRESTED OVAL SEDGE	<i>Carex cristatella</i>	
CROWN VETCH	<i>Coronilla varia</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>	
DAISY FLEABANE	<i>Erigeron strigosus</i>	
DAME'S ROCKET	<i>Hesperis matronalis</i>	
DARK GREEN RUSH	<i>Scirpus atrovirens</i>	
DOWNY HAWTHORN	<i>Crataegus mollis</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
FALSE NETTLE	<i>Boehmeria cylindrica</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FIREWEED	<i>Erechtites hieracifolia</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GERMANDER	<i>Teucrium canadense</i>	
GIANT FOXTAIL	<i>Setaria faberi</i>	
GIANT RAGWEED	<i>Ambrosia trifida</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GREAT BULRUSH	<i>Scirpus validus creber</i>	
GREAT WATER DOCK	<i>Rumex orbiculatus</i>	
GREEN ASH	<i>Fraxinus pennsylvanica sub.</i>	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY CRAB GRASS	<i>Digitaria sanguinalis</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>	
HEARTSEASE	<i>Polygonum lapathifolium</i>	

Common Name	Scientific Name	Number of Animals Observed
HOARY VERVAIN	<i>Verbena stricta</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORNWORT	<i>Ceratophyllum demersum</i>	
HORSE NETTLE	<i>Solanum carolinense</i>	
HORSETAIL	<i>Equisetum arvense</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
HYBRID CATTAIL	<i>Typha X glauca</i>	
HYBRID CRACK WILLOW	<i>Salix X rubens</i>	
IVY-LEAVED MORNING GLORY	<i>Ipomoea hederacea</i>	
JAPANESE CRAB	<i>Malus sieboldii</i>	
JAPANESE HEDGE PARSLEY	<i>Torilis japonica</i>	
JOINTED GOAT GRASS	<i>Aegilops cylindrica</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
KNEE GRASS	<i>Panicum dichotomiflorum</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LARGE-FLOWERED WATER PLANTAIN	<i>Alisma triviale</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LATE GOLDENROD	<i>Solidago gigantea</i>	
LONG-LEAVED PONDWEED	<i>Potamogeton nodosus</i>	
MAD-DOG SKULLCAP	<i>Scutellaria lateriflora</i>	
MARSH HEDGE NETTLE	<i>Stachys tenuifolia hispida</i>	
MARSH SKULLCAP	<i>Scutellaria epilobifolia</i>	
MONKEY FLOWER	<i>Mimulus ringens</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
NANNYBERRY	<i>Viburnum lentago</i>	
NARROW-LEAVED CATTAIL	<i>Typha angustifolia</i>	
NORTHERN BUGLE WEED	<i>Lycopus uniflorus</i>	
NORWAY CINQUEFOIL	<i>Potentilla norvegica</i>	
ORANGE JEWELWEED	<i>Impatiens capensis</i>	
ORCHARD GRASS	<i>Dactylis glomerata</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>	
PANICLED ASTER	<i>Aster simplex</i>	
POISON IVY	<i>Rhus radicans</i>	
PRAIRIE CORD GRASS	<i>Spartina pectinata</i>	
PRAIRIE INDIAN HEMP	<i>Apocynum sibiricum</i>	
PRICKLY LETTUCE	<i>Lactuca serriola</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
QUACK GRASS	<i>Agropyron repens</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	

Common Name	Scientific Name	Number of Animals Observed
RED CLOVER	<i>Trifolium pratense</i>	
RED-ROOTED SPIKE RUSH	<i>Eleocharis erythropoda</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RICE CUT GRASS	<i>Leersia oryzoides</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
RIVER BIRCH	<i>Betula nigra</i>	
RIVER BULRUSH	<i>Scirpus fluviatilis</i>	
SANDBAR WILLOW	<i>Salix interior</i>	
SAWTOOTH SUNFLOWER	<i>Helianthus grosseserratus</i>	
SIDEWALK KNOTWEED	<i>Polygonum arenastrum</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SMALL BEDSTRAW	<i>Galium trifidum</i>	
SMALL DUCKWEED	<i>Lemna minor</i>	
SMARTWEED	<i>Polygonum punctatum</i>	
SPOTTED JOE PYE WEED	<i>Eupatorium masculatum</i>	
STICKSEED	<i>Hackelia virginiana</i>	
STIFF BEDSTRAW	<i>Galium tinctorium</i>	
STIFF GOLDENROD	<i>Solidago rigida</i>	
SWAMP MILKWEED	<i>Asclepias incarnata</i>	
TALL BONESET	<i>Eupatorium altissimum</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL GROUND CHERRY	<i>Physalis subglabrata</i>	
TALL WATER PARSNIP	<i>Sium suave</i>	
TALL WOOD SORREL	<i>Oxalis europaea</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
THREE-SEEDED MERCURY	<i>Acalypha rhomboidea</i>	
TIMOTHY	<i>Phleum pratense</i>	
TORREY'S RUSH	<i>Juncus torreyi</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
VIRGINIA WATERLEAF	<i>Hydrophyllum virginianum</i>	
VIRGINIA WILD RYE	<i>Elymus virginicus</i>	
WASHINGTON HAWTHORN	<i>Crataegus phaenopyrum</i>	
WATER HEARTSEASE	<i>Polygonum coccineum</i>	
WATER KNOTWEED	<i>Polygonum amphibium</i>	
WATER PEPPER	<i>Polygonum hydropiper</i>	
WEeping WILLOW	<i>Salix babylonica</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE POPLAR	<i>Populus alba</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	

Common Name	Scientific Name	Number of Animals Observed
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD LETTUCE	<i>Lactuca canadensis</i>	
WILD MINT	<i>Mentha arvensis villosa</i>	
YANKEE BLACKBERRY	<i>Rubus pensilvanicus</i>	
YARROW	<i>Achillea millefolium</i>	
YELLOW AVENS	<i>Geum aleppicum strictum</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
YELLOW ROCKET	<i>Barbarea vulgaris</i>	
YELLOW SWEET CLOVER	<i>Melilotus officinalis</i>	
DRAGONFLIES		
AUTUMN MEADOWHAWK	<i>Sympetrum vicinum</i>	4
BAND-WINGED MEADOWHAWK	<i>Sympetrum semicinctorum</i>	7
BLACK SADDLEBAGS	<i>Tamea lacerate</i>	54
BLUE DASHER	<i>Pachydiplax longipennis</i>	76
COMMON BASKETTAIL	<i>Epithica cynosura</i>	31
COMMON GREEN DARNER	<i>Anax junius</i>	60
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	16
COMMON WHITETAIL	<i>Libellula lydia</i>	51
DOT-TAILED WHITEFACE	<i>Libellula intacta</i>	1
EASTERN AMBERWING	<i>Perithemus tenera</i>	11
HALLOWEEN PENNANT	<i>Celithemis eponina</i>	23
JADE CLUBTAIL	<i>Arigomphus submedianus</i>	2
PRINCE BASKETTAIL	<i>Epithica princeps</i>	14
RED-MANTLED SADDLEBAGS	<i>Tamea onusta</i>	3
RUBY MEADOWHAWK	<i>Sympetrum rubicundulum</i>	16
SHADOW DARNER	<i>Aeshna umbrosa</i>	2
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	8
SWAMP DARNER	<i>Epiaeshna heros</i>	1
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	10
WANDERING GLIDER	<i>Pantala flavescens</i>	21
WHITE-FACED MEADOWHAWK	<i>Sympetrum obstrusum</i>	2
WIDOW SKIMMER	<i>Libellula luctuosa</i>	38
DAMSELFLIES		
AZURE BLUET	<i>Enallagma aspersum</i>	1
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	148
EBONY JEWELWING	<i>Calopteryx maculate</i>	85
EMERALD SPREADWING	<i>Lestes dryas</i>	13
FAMILIAR BLUET	<i>Enallagma civile</i>	10
ORANGE BLUET	<i>Enallagma signatum</i>	22
SKIMMING BLUET	<i>Enallagma geminatum</i>	5
SLENDER BLUET	<i>Enallagma traviatum</i>	7

Common Name	Scientific Name	Number of Animals Observed
SLENDER SPREADWING	<i>Lestes rectangularis</i>	1
STREAM BLUET	<i>Enallagma exsulans</i>	23
VIOLET DANCER	<i>Argia fumipennis</i>	51
BUTTERFLIES		
BLACK SWALLOWTAIL	<i>Papilio polyxenes</i>	1
CABBAGE WHITE	<i>Pieris rapae</i>	131
COMMON SULFUR	<i>Phoebis sennae</i>	8
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	11
GRAY HAIRSTREAK	<i>Strymon melinus</i>	1
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	5
LITTLE YELLOW	<i>Eurema lisa</i>	1
MONARCH	<i>Danaus plexippus</i>	14
ORANGE SULFUR	<i>Colias eurytheme</i>	52
PAINTED LADY	<i>Vanessa cardui</i>	3
RED-SPOTTED PURPLE	<i>Limentis astyanax</i>	1
SUMMER AZURE	<i>Celastrina neglecta</i>	1
VICEROY	<i>Limenitis archippus</i>	1
AMPHIBIANS		
AMERICAN TOAD	<i>Bufo americanus</i>	5
BULLFROG	<i>Rana catesbeiana</i>	>100
GREEN FROG	<i>Rana clamitans</i>	30
NORTHERN LEOPARD FROG	<i>Rana pipiens</i>	5
REPTILES		
AMERICAN ALLIGATOR	<i>Alligator mississippiensis</i>	1
COMMON SNAPPING TURTLE	<i>Chelydra serpentina</i>	24
MIDLAND PAINTED TURTLE	<i>Chrysemys picta marginata</i>	65
SPINY SOFTSHELL TURTLE	<i>Apalone spinifera</i>	5
BIRDS		
AMERICAN COOT	<i>Fulica americana</i>	
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN CROW	<i>Corvus brachyrhynchos</i>	
AMERICAN REDSTART	<i>Setophaga ruticilla</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BANK SWALLOW	<i>Riparia riparia</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BELTED KINGFISHER	<i>Megaceryle alcyon</i>	
BLACK-AND-WHITE WARBLER	<i>Mniotilta varia</i>	
BLACKBURNIAN WARBLER	<i>Dendroica fusca</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLACK-CROWNED NIGHT-HERON	<i>Nycticorax nycticorax</i>	
BLUE-GRAY GNATCATCHER	<i>Poliotilta caerulea</i>	

Common Name	Scientific Name	Number of Animals Observed
BLUE JAY	<i>Cyanocitta cristata</i>	
BLUE-WINGED TEAL	<i>Anas discors</i>	
BOBOLINK	<i>Dolichonyx oryzivorus</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CASPIAN TERN	<i>Hydroprogne caspia</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
CHIPPING SPARROW	<i>Spizella passerina</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DICKCISSEL	<i>Spiza americana</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EASTERN MEADOWLARK	<i>Sturnella magna</i>	
EASTERN TOWHEE	<i>Pipilo erythrophthalmus</i>	
EASTERN WOOD-PEWEE	<i>Contopus virens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GOLDEN-WINGED WARBLER	<i>Vermivora chrysoptera</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREAT EGRET	<i>Ardea alba</i>	
GREAT HORNED OWL	<i>Bubo virginianus</i>	
GREEN HERON	<i>Butorides virescens</i>	
HENSLOW'S SPARROW	<i>Ammodramus henslowii</i>	
HERRING GULL	<i>Larus argentatus</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MARSH WREN	<i>Cistothorus palustris</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
NORTHERN WATERTHRUSH	<i>Parkesia noveboracensis</i>	
ORCHARD ORIOLE	<i>Icterus spurius</i>	
OSPREY	<i>Pandion haliaetus</i>	
PALM WARBLER	<i>Dendroica palmarum</i>	
PHILADELPHIA VIREO	<i>Vireo philadelphicus</i>	

Common Name	Scientific Name	Number of Animals Observed
PIED-BILLED GREBE	<i>Podilymbus podiceps</i>	
RED-TAILED HAWK	<i>Buteo jamaicensis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
ROSE-BREASTED GROSBEAK	<i>Pheucticus ludovicianus</i>	
SAVANNAH SPARROW	<i>Passerculus sandwichensis</i>	
SCARLET TANAGER	<i>Piranga olivacea</i>	
SEDGE WREN	<i>Cistothorus platensis</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
SORA	<i>Porzana carolina</i>	
SPOTTED SANDPIPER	<i>Actitis macularius</i>	
SWAMP SPARROW	<i>Melospiza georgiana</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
TENNESSEE WARBLER	<i>Oreothlypis peregrina</i>	
TURKEY VULTURE	<i>Cathartes aura</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WHITE-THROATED SPARROW	<i>Zonotrichia albicollis</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
WOOD DUCK	<i>Aix sponsa</i>	
YELLOW RAIL	<i>Coturnicops noveboracensis</i>	
YELLOW-RUMPED WARBLER	<i>Dendroica coronata</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
AMERICAN MINK	<i>Neovision vison</i>	
COYOTE	<i>Canis latrans</i>	
EASTERN CHIPMUNK	<i>Tamias striatus</i>	2
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
MASKED SHREW	<i>Sorex cinereus</i>	1
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	24
MUSKRAT	<i>Ondatra zibethicus</i>	
NORTHERN SHORT-TAILED SHREW	<i>Blarina brevicauda</i>	7
RACCOON	<i>Procyon lotor</i>	
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	53
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	2

TABLE C-21. List of Common and Scientific Names for Plants and Animals Identified at Site 49

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
AMERICAN LINDEN	<i>Tilia americana</i>	
AMUR MAPLE	<i>Acer ginnala</i>	
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK MAPLE	<i>Acer nigrum</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	
BLACK OAK	<i>Quercus velutina</i>	
BLUE VERVAIN	<i>Verbena hastata</i>	
BOX ELDER	<i>Acer negundo</i>	
BROAD-LEAVED CATTAIL	<i>Typha latifolia</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	
BUR OAK	<i>Quercus macrocarpa</i>	
CATNIP	<i>Nepeta cataria</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON MULLEIN	<i>Verbascum thapsus</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON TEASEL	<i>Dipsacus sylvestris</i>	
COMMON WATER HOREHOUND	<i>Lycopus americanus</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
DOWNY HAWTHORN	<i>Crataegus mollis</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
FIELD CRESS	<i>Lepidium campestre</i>	
FIELD SOW THISTLE	<i>Sonchus arvensis</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FOWL MANNA GRASS	<i>Glyceria striata</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GIANT RAGWEED	<i>Ambrosia trifida</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY CRAB GRASS	<i>Digitaria sanguinalis</i>	

Common Name	Scientific Name	Number of Animals Observed
HEARTSEASE	<i>Polygonum lapathifolium</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HEDGE MUSTARD	<i>Sisymbrium officinale</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORSE NETTLE	<i>Solanum carolinense</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
HYBRID CRACK WILLOW	<i>Salix X rubens</i>	
INDIAN MUSTARD	<i>Brassica juncea</i>	
KNEE GRASS	<i>Panicum dichotomiflorum</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LONG-SCALED NUT SEDGE	<i>Cyperus strigosus</i>	
MARSH HEDGE NETTLE	<i>Stachys tenuifolia hispida</i>	
MEADOW FESCUE	<i>Festuca pratensis</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
NIGHT-FLOWERING CATCHFLY	<i>Silene noctiflora</i>	
NORWAY CINQUEFOIL	<i>Potentilla norvegica</i>	
OAK WITCH GRASS	<i>Panicum capillare</i>	
PAPER BIRCH	<i>Betula papyrifera</i>	
PATH RUSH	<i>Juncus tenuis</i>	
PEACH-LEAVED WILLOW	<i>Salix amygdaloides</i>	
POISON IVY	<i>Rhus radicans</i>	
POKEWEED	<i>Phytolacca americana</i>	
PRICKLY LETTUCE	<i>Lactuca serriola</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
PURPLE JOE PYE WEED	<i>Eupatorium purpureum</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED CEDAR	<i>Juniperus virginiana creba</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RICHWEED	<i>Collinsonia canadensis</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
RIVER BIRCH	<i>Betula nigra</i>	
RYE	<i>Secale cereale</i>	
SCOTCH PINE	<i>Pinus sylvestris</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SMOOTH GRAB GRASS	<i>Digitaria ischaemum</i>	
SOUR CHERRY	<i>Prunus cerasus</i>	
SPOTTED CREEPING SPURGE	<i>Euphorbia supina</i>	
SPREADING DOGBANE	<i>Apocynum androsaemifolium</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	

Common Name	Scientific Name	Number of Animals Observed
STAGHORN SUMAC	<i>Rhus typhina</i>	
STORE-FRONT SOW THISTLE	<i>Sonchus oleraceus</i>	
SUGAR MAPLE	<i>Acer saccharum</i>	
SWAMP MILKWEED	<i>Asclepias incarnata</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL WOOD SORREL	<i>Oxalis europaea</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
THIN GRASS	<i>Agrostis perennans</i>	
TIMOTHY	<i>Phleum pratense</i>	
VELVET LEAF	<i>Abutilon theophrasti</i>	
WATER KNOTWEED	<i>Polygonum amphibium</i>	
WEeping WILLOW	<i>Salix babylonica</i>	
WESTERN WHEAT GRASS	<i>Agropyron smithii</i>	
WHITE CAMPION	<i>Lychnis alba</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHORLED MILKWEED	<i>Asclepias verticillata</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WILD PLUM	<i>Prunus americana</i>	
WILD SWEET POTATO	<i>Ipomoea pandurata</i>	
YELLOW ROCKET	<i>Barbarea vulgaris</i>	
DRAGONFLIES		
BAND-WINGED MEADOWHAWK	<i>Sympetrum semicinctum</i>	4
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	78
BLUE DASHER	<i>Pachydiplax longipennis</i>	98
CAROLINA SADDLEBAGS	<i>Tramea carolina</i>	2
COMMON GREEN DARNER	<i>Anax junius</i>	83
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	8
COMMON WHITETAIL	<i>Libellula lydia</i>	54
EASTERN AMBERWING	<i>Perithemus tenera</i>	40
HALLOWEEN PENNANT	<i>Celithemis eponina</i>	2
PRINCE BASKETTAIL	<i>Epithica princeps</i>	2
RED-MANTLED SADDLEBAGS	<i>Tramea onusta</i>	33
RUBY MEADOWHAWK	<i>Sympetrum rubincundulum</i>	6
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	9
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	20
WANDERING GLIDER	<i>Pantala flavescens</i>	19
WIDOW SKIMMER	<i>Libellula luctuosa</i>	52

Common Name	Scientific Name	Number of Animals Observed
DAMSELFLIES		
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	1
CITRINE FORKTAIL	<i>Ischnura hastata</i>	1
DOUBLE-STRIPED BLUET	<i>Enallagma basidens</i>	1
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	99
FAMILIAR BLUET	<i>Enallagma civile</i>	9
FRAGILE FORKTAIL	<i>Ischnura posita</i>	6
ORANGE BLUET	<i>Enallagma signatum</i>	4
SLENDER SPREADWING	<i>Lestes rectangularis</i>	4
STREAM BLUET	<i>Enallagma exsulans</i>	16
BUTTERFLIES		
BLACK SWALLOWTAIL	<i>Papilio polyxenes</i>	
CABBAGE WHITE	<i>Pieris rapae</i>	
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	
MONARCH	<i>Danaus plexippus</i>	
RED ADMIRAL	<i>Vanessa atalanta</i>	
SUMMER AZURE	<i>Celastrina neglecta</i>	
TAWNY EDGE SKIPPER	<i>Polites themistocles</i>	
TIGER SWALLOWTAIL	<i>Papilio glaucus</i>	
AMPHIBIANS		
AMERICAN TOAD	<i>Bufo americanus</i>	5
BULLFROG	<i>Rana catesbeiana</i>	2
TIGER SALAMANDER	<i>Ambystoma tigrinum</i>	1
REPTILES		
COMMON SNAPPING TURTLE	<i>Chelydra serpentina</i>	5
MIDLAND PAINTED TURTLE	<i>Chrysemys picta marginata</i>	9
PLAINS GARTER SNAKE	<i>Thamnophis radix</i>	6
RED-EARED SLIDER	<i>Trachemys scripta</i>	2
SPINY SOFTSHELL TURTLE	<i>Apalone spinifera</i>	1
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN CROW	<i>Corvus brachyrhynchos</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CROWNED NIGHT-HERON	<i>Nycticorax nycticorax</i>	
BLUE-WINGED TEAL	<i>Anas discors</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CASPIAN TERN	<i>Hydroprogne caspia</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIPPING SPARROW	<i>Spizella passerina</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	

Common Name	Scientific Name	Number of Animals Observed
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EASTERN MEADOWLARK	<i>Sturnella magna</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREAT EGRET	<i>Ardea alba</i>	
HOUSE FINCH	<i>Carpodacus mexicanus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
PURPLE MARTIN	<i>Progne subis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	5
NORTHERN SHORT-TAILED SHREW	<i>Blarina brevicauda</i>	2

TABLE C-22. List of Common and Scientific Names for Plants and Animals Identified at Site 53

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLACK WILLOW	<i>Salix nigra</i>	
BOX ELDER	<i>Acer negundo</i>	
BRISTLY CAT BRIER	<i>Smilax tamnoides hispida</i>	
BULL THISTLE	<i>Cirsium vulgare</i>	

Common Name	Scientific Name	Number of Animals Observed
CANADIAN BLACK SNAKEROOT	<i>Sanicula canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CHOKO CHERRY	<i>Prunus virginiana</i>	
CLAMMY GROUND CHERRY	<i>Physalis heterophylla</i>	
CLEARWEED	<i>Pilea pumila</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLACKBERRY	<i>Rubus allegheniensis</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON RAGWEED	<i>Ambrosia artemisiifolia elatior</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON TEASEL	<i>Dipsacus sylvestris</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
EARLY WILD ROSE	<i>Rosa blanda</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
EUROPEAN FLY HONEYSUCKLE	<i>Lonicera xylosteum</i>	
FIELD BINDWEED	<i>Convolvulus arvensis</i>	
FIELD SOW THISTLE	<i>Sonchus arvensis</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FOXTAIL MILLET	<i>Setaria italica</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
GREEN FOXTAIL	<i>Setaria viridis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY CRAB GRASS	<i>Digitaria sanguinalis</i>	
HARDY CATALPA	<i>Catalpa speciosa</i>	
HEATH ASTER	<i>Aster ericoides</i>	
HEDGE BINDWEED	<i>Convolvulus sepium</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HONEWORT	<i>Cryptotaenia canadensis</i>	
HORSE NETTLE	<i>Solanum carolinense</i>	
HORSETAIL	<i>Equisetum arvense</i>	
HUNGARIAN BROME	<i>Bromus intermis</i>	
JAPANESE CHESS	<i>Bromus japonicus</i>	
JAPANESE KNOTWEED	<i>Polygonum cuspidatum</i>	
JERUSALEM ARTICHOKE	<i>Helianthus tuberosus</i>	

Common Name	Scientific Name	Number of Animals Observed
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LANCE-LEAVED GROUND CHERRY	<i>Physalis virginiana</i>	
LARGE-FLOWERED COREOPSIS	<i>Coreopsis grandiflora</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
MARSH FLEABANE	<i>Erigeron philadelphicus</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
OAK-LEAVED GOOSEFOOT	<i>Chenopodium glaucum</i>	
OLD-FIELD GOLDENROD	<i>Solidago nemoralis</i>	
OLD-FIELD PANIC GRASS	<i>Panicum implicatum</i>	
ORANGE JEWELWEED	<i>Impatiens capensis</i>	
PEACH-LEAVED WILLOW	<i>Salix amygdaloides</i>	
PENNSYLVANIA BITTER CRESS	<i>Cardamine pensylvanica</i>	
PINKWEED	<i>Polygonum pensylvanicum</i>	
POISON IVY	<i>Rhus radicans</i>	
POKEWEED	<i>Phytolacca americana</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
PURSLANE	<i>Portulaca oleracea</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED CLOVER	<i>Trifolium pratense</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REDTOP	<i>Agrostis alba</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROUGH AVENS	<i>Geum laciniatum trichocarpum</i>	
ROUGH BEDSTRAW	<i>Galium asprellum</i>	
RYDEBERG'S VERVAIN	<i>Verbena X rydbergii</i>	
SANDBAR WILLOW	<i>Salix interior</i>	
SHOWY FLY HONEYSUCKLE	<i>Lonicera X bella</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SIDE-FLOWERING ASTER	<i>Aster lateriflorus</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMARTWEED	<i>Polygonum punctatum</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
SPOTTED CREEPING SPURGE	<i>Euphorbia supina</i>	
STICKSEED	<i>Hackelia virginiana</i>	
SWAMP ROSE	<i>Rosa palustris</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TALL SWAMP MARIGOLD	<i>Bidens coronata</i>	
TALL WOOD SORREL	<i>Oxalis europaea</i>	
THREE-SEEDED MERCURY	<i>Acalypha rhomboidea</i>	

Common Name	Scientific Name	Number of Animals Observed
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
UPLAND HOG PEANUT	<i>Amphicarpaea bracteata</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
VIRGINIA WILD RYE	<i>Elymus virginicus</i>	
WATER HEARTSEASE	<i>Polygonum coccineum</i>	
WHITE CAMPION	<i>Lychnis alba</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD GERANIUM	<i>Geranium maculatum</i>	
WILD GOLDEN GLOW	<i>Rudbeckia laciniata</i>	
WILD GOOSEBERRY	<i>Ribes missouriense</i>	
WILD LETTUCE	<i>Lactuca canadensis</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WOODLAND KNOTWEED	<i>Polygonum virginianum</i>	
YELLOW FOXTAIL	<i>Setaria glauca</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	10
BLUE DASHER	<i>Pachydiplax longipennis</i>	5
COMMON GREEN DARNER	<i>Anax junius</i>	25
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	6
COMMON WHITETAIL	<i>Libellula lydia</i>	16
EASTERN AMBERWING	<i>Perithemus tenera</i>	5
HALLOWEEN PENNANT	<i>Celithemis eponina</i>	2
LANCE-TIPPED DARNER	<i>Aeshna constricta</i>	1
RUBY MEADOWHAWK	<i>Sympetrum rubincundulum</i>	10
SHADOW DARNER	<i>Aeshna umbrosa</i>	1
WANDERING GLIDER	<i>Pantala flavescens</i>	5
WIDOW SKIMMER	<i>Libellula luctuosa</i>	3
DAMSELFLIES		
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	29
BLUE-TIPPED DANCER	<i>Argia tibialis</i>	3
CITRINE FORKTAIL	<i>Ischnura hastata</i>	1
DOUBLE-STRIPED BLUET	<i>Enallagma basidens</i>	2
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	109
FRAGILE FORKTAIL	<i>Ischnura posita</i>	6
POWDERED DANCER	<i>Argia moesta</i>	1
SLENDER SPREADWING	<i>Lestes rectangularis</i>	4
STREAM BLUET	<i>Enallagma exsulans</i>	14

Common Name	Scientific Name	Number of Animals Observed
BUTTERFLIES		
BUCKEYE	<i>Junonia coenia</i>	10
CABBAGE WHITE	<i>Pieris rapae</i>	37
EASTERN TAILED-BLUE	<i>Everes comyntas</i>	28
EUROPEAN SKIPPER	<i>Thymelicus lineola</i>	1
FIERY SKIPPER	<i>Hylephilia phileus</i>	2
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	17
MONARCH	<i>Danaus plexippus</i>	2
ORANGE SULFUR	<i>Colias eurytheme</i>	9
PEARL CRESCENT	<i>Phyciodes tharos</i>	50
RED-SPOTTED PURPLE	<i>Limentis astyanax</i>	3
SILVER-SPOTTED SKIPPER	<i>Epargyreus clarus</i>	1
VICEROY	<i>Limenitis archippus</i>	8
AMPHIBIANS		
AMERICAN TOAD	<i>Bufo americanus</i>	20
BULLFROG	<i>Rana catesbeiana</i>	13
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLUE-GRAY GNATCATCHER	<i>Polioptila caerulea</i>	
BLUE JAY	<i>Cyanocitta cristata</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIMNEY SWIFT	<i>Chaetura pelagica</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EASTERN KINGBIRD	<i>Tyrannus tyrannus</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREEN HERON	<i>Butorides virescens</i>	
HAIRY WOODPECKER	<i>Picoides villosus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
KILLDEER	<i>Charadrius vociferus</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	

Common Name	Scientific Name	Number of Animals Observed
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
ORCHARD ORIOLE	<i>Icterus spurius</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
ROSE-BREASTED GROSBEAK	<i>Pheucticus ludovicianus</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WILLOW FLYCATCHER	<i>Empidonax traillii</i>	
WOOD DUCK	<i>Aix sponsa</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
COYOTE	<i>Canis latrans</i>	
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	2
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	1
RACCOON	<i>Procyon lotor</i>	3
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	53
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	

TABLE C-23. List of Common and Scientific Names for Plants and Animals Identified at Site 54

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK NIGHTSHADE	<i>Solanum americanum</i>	
BOX ELDER	<i>Acer negundo</i>	
CANADA GOLDENROD	<i>Solidago canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CLUSTERED BLACK SNAKEROOT	<i>Sanicula gregaria</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON REED	<i>Phragmites australis</i>	
COMMON SOW THISTLE	<i>Sonchus uliginosus</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
EARLY GOLDENROD	<i>Solidago juncea</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	

Common Name	Scientific Name	Number of Animals Observed
NARROWED_ LEAVED CATTAIL	<i>Typha augustifolia</i>	
ORANGE JEWELWEED	<i>Impatiens capensis</i>	
PASTURE THISTLE	<i>Cirsium discolor</i>	
PEACH-LEAVED WILLOW	<i>Salix amygdaloides</i>	
POISON IVY	<i>Rhus radicans</i>	
PURPLE LOOSESTRIFE	<i>Lythrum salicaria</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
SANDBAR WILLOW	<i>Salix interior</i>	
SHOWY FLY HONEYSUCKLE	<i>Lonicera X bella</i>	
TALL AGRIMONY	<i>Agrimonia gryposepala</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
VIRGINIA CREEPER	<i>Parthenocissus quinquefolia</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WILD GOLDEN GLOW	<i>Rudbeckia laciniata</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WOOD AVENS	<i>Geum canadense</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tamea lacerate</i>	4
BLUE DASHER	<i>Pachydiplax longipennis</i>	14
COMMON GREEN DARNER	<i>Anax junius</i>	10
COMMON PONDHAWK	<i>Erythemis simplicicollis</i>	1
EASTERN AMBERWING	<i>Perithemus tenera</i>	1
RED-MANTLED SADDLEBAGS	<i>Tamea onusta</i>	1
SHADOW DARNER	<i>Aeshna umbrosa</i>	1
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	1
DAMSELFLIES		
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	48
FAMILIAR BLUET	<i>Enallagma civile</i>	9
TULE BLUET	<i>Enallagma carunculatum</i>	1
BUTTERFLIES		
BUCKEYE	<i>Junonia coenia</i>	4
CABBAGE WHITE	<i>Pieris rapae</i>	17
MONARCH	<i>Danaus plexippus</i>	1
ORANGE SULFUR	<i>Colias eurytheme</i>	1
SUMMER AZURE	<i>Celastrina neglecta</i>	2
VICEROY	<i>Limenitis archippus</i>	1
AMPHIBIANS		
BULLFROG	<i>Rana catesbeiana</i>	5

Common Name	Scientific Name	Number of Animals Observed
REPTILES		
MIDLAND PAINTED TURTLE	<i>Chrysemys picta marginata</i>	19
NORTHERN WATER SNAKE	<i>Nerodia sipedon</i>	8
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BARN SWALLOW	<i>Hirundo rustica</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLACK-CROWNED NIGHT-HERON	<i>Nycticorax nycticorax</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	
CANADA GOOSE	<i>Branata canadensis</i>	
CASPIAN TERN	<i>Hydroprogne caspia</i>	
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
GREEN HERON	<i>Butorides virescens</i>	
HERRING GULL	<i>Larus argentatus</i>	
HOODED MERGANSER	<i>Lophodytes cucullatus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
LEAST BITERN	<i>Ixobrychus exilis</i>	
LITTLE BLUE HERON	<i>Egretta caerulea</i>	
MALLARD	<i>Anas platyrhynchos</i>	
MARSH WREN	<i>Cistothorus palustris</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
SWAMP SPARRWO	<i>Melospiza georgiana</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
WOOD DUCK	<i>Aix sponsa</i>	
YELLOW-CROWNED NIGHT-HERON	<i>Nyctanassa violacea</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	

Common Name	Scientific Name	Number of Animals Observed
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
COYOTE	<i>Canis latrans</i>	
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
MEADOW VOLE	<i>Microtus pennsylvanicus</i>	1
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	82
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	

TABLE C-24. List of Common and Scientific Names for Plants and Animals Identified at Site 57

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
AMERICAN ELM	<i>Ulmus americana</i>	
AMUR HONEYSUCKLE	<i>Lonicera maackii</i>	
ANNUAL BEDSTRAW	<i>Galium asparine</i>	
ANNUAL FLEABANE	<i>Erigeron annus</i>	
BIENNIAL WORMWOOD	<i>Artemisia biennis</i>	
BIRD'S FOOT TREFOIL	<i>Lotus corniculatus</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	
BLACK RASPBERRY	<i>Rubus occidentalis</i>	
BLUE-FRUITED DOGWOOD	<i>Cornus obliqua</i>	
BOX ELDER	<i>Acer negundo</i>	
CANADA WILD RYE	<i>Elymus canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CHOKE CHERRY	<i>Prunus virginiana</i>	
CLUSTERED BLACK SNAKEROOT	<i>Sanicula gregaria</i>	
COCKSPUR HAWTHORN	<i>Crataegus crus-galli</i>	
COMMON BEGGAR'S TICKS	<i>Bidens frondosa</i>	
COMMON BLUE VIOLET	<i>Viola sororia</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON MILKWEED	<i>Asclepias syriaca</i>	
COMMON PEPPERCRESS	<i>Lepidium virginicum</i>	
COMMON TEASEL	<i>Dipsacus sylvestris</i>	
COMMON WOOD SEDGE	<i>Carex blanda</i>	
COMMON WOOD SORREL	<i>Oxalis stricta</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	

Common Name	Scientific Name	Number of Animals Observed
CROWN VETCH	<i>Coronilla varia</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
ENCHANTER'S NIGHTSHADE	<i>Circaea lutetiana canadensis</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
EUROPEAN Highbush CRANBERRY	<i>Viburnum opulus</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GERMANDER	<i>Teucrium canadense</i>	
GLOSSY BUCKTHORN	<i>Rhamnus frangula</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREEN ASH	<i>Fraxinus pennsylvanica</i> sub.	
HACKBERRY	<i>Celtis occidentalis</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY SWEET CICELY	<i>Osmorhiza claytonii</i>	
JAPANESE BARBERRY	<i>Berberis thunbergii</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LOPSEED	<i>Phryma leptostachya</i>	
MARSH FLEABANE	<i>Erigeron philadelphicus</i>	
MARSH HEDGE NETTLE	<i>Stachys tenuifolia hispida</i>	
MULTIFLORA ROSE	<i>Rosa multiflora</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
ORANGE JEWELWEED	<i>Impatiens capensis</i>	
ORCHARD GRASS	<i>Dactylis glomerata</i>	
OX-EYE DAISY	<i>Chrysanthemum leucanthemus</i>	
POISON IVY	<i>Rhus radicans</i>	
PRICKLY WILD GOOSEBERRY	<i>Ribes cynosbati</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
RED ASH	<i>Fraxinus pennsylvanica</i>	
RED OAK	<i>Quercus rubra</i>	
RED-STALKED PLANTAIN	<i>Plantago rugelii</i>	
REED CANARY GRASS	<i>Phalaris arundinacea</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
SIDE-FLOWERING ASTER	<i>Aster lateriflorus</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SMALL-FLOWERED BUTTERCUP	<i>Ranunculus abortivus</i>	
SMOOTH ARROW-WOOD	<i>Viburnum recognitum</i>	
SMOOTH BANK CRESS	<i>Arabis laevigata</i>	
SMOOTH SWEET CICELY	<i>Osmorhiza longistylis</i>	
SMOOTH SOLOMAN'S SEAL	<i>Polygonatum canaliculatum</i>	
SMOOTH SUMAC	<i>Rhus glabra</i>	
STICKSEED	<i>Hackelia virginiana</i>	
SWEET-SCENTED BEDSTRAW	<i>Galium triflorum</i>	

Common Name	Scientific Name	Number of Animals Observed
TALL BELLFLOWER	<i>Campanula americana</i>	
TALL BLUE LETTUCE	<i>Lactuca biennis</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
TREE OF HEAVEN	<i>Ailanthus altissima</i>	
UPRIGHT CARRION FLOWER	<i>Smilax ecirrhata</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SNAKEROOT	<i>Eupatorium rugosum</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD BLACK CHERRY	<i>Prunus serotina</i>	
WILD GINGER	<i>Asarum canadense</i>	
WILD PARSNIP	<i>Pastinaca sativa</i>	
WINGSTEM	<i>Actinomeris alternifolia</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tramea lacerate</i>	12
COMMON BASKETTAIL	<i>Epithica cynosure</i>	2
COMMON GREEN DARNER	<i>Anax junius</i>	24
EASTERN AMBERWING	<i>Perithemus tenera</i>	2
PRINCE BASKETTAIL	<i>Epithica princeps</i>	1
RED-MANTLED SADDLEBAGS	<i>Tramea onusta</i>	1
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	3
WANDERING GLIDER	<i>Pantala flavescens</i>	17
DAMSELFLIES		
BLUE-TIPPED DANCER	<i>Argia tibialis</i>	1
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	2
ORANGE BLUET	<i>Enallagma signatum</i>	6
BUTTERFLIES		
BUCKEYE	<i>Junonia coenia</i>	4
CABBAGE WHITE	<i>Pieris rapae</i>	12
EASTERN COMMA	<i>Polygonia comma</i>	1
EUROPEAN SKIPPER	<i>Thymelicus lineola</i>	1
FIERY SKIPPER	<i>Hylephilia phileus</i>	5
ORANGE SULFUR	<i>Colias eurytheme</i>	1
PEARL CRESCENT	<i>Phyciodes tharos</i>	1
VICEROY	<i>Limenitis archippus</i>	1
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdus migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	

Common Name	Scientific Name	Number of Animals Observed
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIPPING SPARROW	<i>Spizella passerina</i>	
DOUBLE-CRESTED CORMORANT	<i>Phalacrocorax auritus</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
GREAT BLUE HERON	<i>Ardea herodias</i>	
HERRING GULL	<i>Larus argentatus</i>	
HOUSE SPARROW	<i>Passer domesticus</i>	
HOUSE WREN	<i>Troglodytes aedon</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
MALLARD	<i>Anas platyrhynchos</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN FLICKER	<i>Colaptes auratus</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
OSPREY	<i>Pandion haliaetus</i>	
RED-EYED VIREO	<i>Vireo olivaceus</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
TREE SWALLOW	<i>Tachycineta bicolor</i>	
WHITE-BREASTED NUTHATCH	<i>Sitta carolinensis</i>	
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
RACCOON	<i>Procyon lotor</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	8
WOODCHUCK	<i>Marmota monax</i>	

TABLE C-25. List of Common and Scientific Names for Plants and Animals Identified at Site 59

Common Name	Scientific Name	Number of Animals Observed
PLANTS		
AMERICAN LINDEN	<i>Tilia americana</i>	
AMUR MAPLE	<i>Acer ginnala</i>	
ANNUAL FLEABANE	<i>Erigeron annuus</i>	
APPLE	<i>Malus pumila</i>	
BARNYARD GRASS	<i>Echinochloa crusgalli</i>	
BEAK-SEEDED KNOTWOOD	<i>Polygonum achoreum</i>	
BIENNIAL WORMWOOD	<i>Artemisia biennis</i>	
BITTERSWEET NIGHTSHADE	<i>Solanum dulcamara</i>	
BLACK-EYED SUSAN	<i>Rudbeckia hirta</i>	
BLACK MEDICK	<i>Medicago lupulina</i>	
BLACK MUSTARD	<i>Brassica nigra</i>	
BOX ELDER	<i>Acer negundo</i>	

Common Name	Scientific Name	Number of Animals Observed
BROAD-LEAVED PURPLE CONEFLOWER	<i>Echinacea purpurea</i>	
CANADA WILD RYE	<i>Elymus canadensis</i>	
CATNIP	<i>Nepeta cataria</i>	
CHICORY	<i>Cichorium intybus</i>	
CLIMBING FALSE BUCKWHEAT	<i>Polygonum scandens</i>	
COMMON BUCKTHORN	<i>Rhamnus cathartica</i>	
COMMON BURDOCK	<i>Arctium minus</i>	
COMMON DANDELION	<i>Taraxacum officinale</i>	
COMMON DAY FLOWER	<i>Commelina communis</i>	
COMMON EVENING PRIMROSE	<i>Oenothera biennis</i>	
COMMON MOUNTAIN MINT	<i>Pycnanthemum virginianum</i>	
COMMON MULLEIN	<i>Verbascum thapsus</i>	
COMMON PEPPERCRESS	<i>Lepidium virginicum</i>	
COMMON PLANTAIN	<i>Plantago major</i>	
COMMON RAGWEED	<i>Ambrosia artemisifolia elatior</i>	
COMMON WOOD SORREL	<i>Oxalis stricta</i>	
COMMON WORMWOOD	<i>Artemisia absinthium</i>	
CREEPING CHARLIE	<i>Glechoma hederacea</i>	
CULVER'S ROOT	<i>Veronicastrum virginicum</i>	
CURLEY DOCK	<i>Rumex crispus</i>	
CUT-LEAVED TEASEL	<i>Dipsacus laciniatus</i>	
DOTTED HAWTHORN	<i>Crataegus punctata</i>	
DUDLEY'S RUSH	<i>Juncus dudleyi</i>	
EASTERN COTTONWOOD	<i>Populus deltoides</i>	
ELDERBERRY	<i>Sambucus canadensis</i>	
ENGLISH PLANTAIN	<i>Plantago lanceolata</i>	
FIELD NUT SEDGE	<i>Cyperus esculentus</i>	
FIELD THISTLE	<i>Cirsium arvense</i>	
FOXGLOVE BEARD TONGUE	<i>Penstemon digitalis</i>	
GARLIC MUSTARD	<i>Alliaria petiolata</i>	
GIANT FOXTAIL	<i>Setaria faberi</i>	
GIANT RAGWEED	<i>Ambrosia trifida</i>	
GRAY DOGWOOD	<i>Cornus racemosa</i>	
GREEN ASH	<i>Fraxinus pennsylvanica sub.</i>	
HAIRY ASTER	<i>Aster pilosus</i>	
HAIRY CRAB GRASS	<i>Digitaria sanguinalis</i>	
HAIRY GRASS-LEAVED GOLDENROD	<i>Solidago graminifolia nuttallii</i>	
HAIRY WHITE VERVAIN	<i>Verbena urticifolia</i>	
HONEY LOCUST	<i>Gleditsia triacanthos</i>	
HORSEWEED	<i>Erigeron canadensis</i>	
KENTUCKY BLUE GRASS	<i>Poa pratensis</i>	
LADY'S THUMB	<i>Polygonum persicaria</i>	

Common Name	Scientific Name	Number of Animals Observed
LAMB'S QUARTERS	<i>Chenopodium album</i>	
LATE BONESET	<i>Eupatorium serotinum</i>	
LEAD PLANT	<i>Amorpha canescens</i>	
MOTHERWORT	<i>Leonurus cardiaca</i>	
MOUSE-EAR CHICKWEED	<i>Cerastium vulgatum</i>	
MUSK THISTLE	<i>Cardus nutans</i>	
NORWAY CINQUEFOIL	<i>Potentilla norvegica</i>	
ORANGE DAY LILY	<i>Hemerocallis fulva</i>	
PANICLED ASTER	<i>Aster simplex</i>	
PENNY CRESS	<i>Thlaspi arvense</i>	
POKEWEED	<i>Phytolacca americana</i>	
PRAIRIE DOCK	<i>Silphium terebinthinaceum</i>	
PRICKLY LETTUCE	<i>Lactuca serriola</i>	
PURPLE PRAIRIE CLOVER	<i>Petalostemum purpurem</i>	
PURSLANE	<i>Portulaca oleracea</i>	
QUEEN ANNE'S LACE	<i>Daucus carota</i>	
REDBUD	<i>Cercis canadensis</i>	
RIVERBANK GRAPE	<i>Vitis riparia</i>	
ROSIN WEED	<i>Silphium integrifolium</i>	
SALT-MEADOW GRASS	<i>Diplachne acuminata</i>	
SEASIDE GOLDENROD	<i>Solidago sempervirens</i>	
SHOWY TICK TREFOIL	<i>Desmodium canadense</i>	
SIBERIAN ELM	<i>Ulmus pumila</i>	
SIDE-OATS GRAMA	<i>Bouteloua curtipendula</i>	
SILVER MAPLE	<i>Acer saccharium</i>	
SLIPPERY ELM	<i>Ulmus rubra</i>	
SPINY SOW THISTLE	<i>Sonchus asper</i>	
SQUIRREL-TAIL GRASS	<i>Hordeum jubatum</i>	
SWITCH GRASS	<i>Panicum virgatum</i>	
TALL FESCUE	<i>Festuca elatior</i>	
TALL GOLDENROD	<i>Solidago altissima</i>	
TARTARIAN HONEYSUCKLE	<i>Lonicera tatarica</i>	
THICKET CREEPER	<i>Parthenocissus inserta</i>	
THREE-SEEDED MERCURY	<i>Acalypha rhomboidea</i>	
UPRIGHT CARRION FLOWER	<i>Smilax ecirrhata</i>	
VELVET LEAF	<i>Abutilon theophrasti</i>	
WHITE ASH	<i>Fraxinus americana</i>	
WHITE CLOVER	<i>Trifolium repens</i>	
WHITE MULBERRY	<i>Morus alba</i>	
WHITE SWEET CLOVER	<i>Melilotus alba</i>	
WILD BERGAMOT	<i>Monarda fistulosa</i>	
WILD GOOSEBERRY	<i>Ribes missouriense</i>	

Common Name	Scientific Name	Number of Animals Observed
WILD LETTUCE	<i>Lactuca canadensis</i>	
WILD SENNA	<i>Cassia hebecarpa</i>	
WILD SWEET CRAB	<i>Malus coronaria</i>	
YELLOW CONEFLOWER	<i>Ratibida pinnata</i>	
DRAGONFLIES		
BLACK SADDLEBAGS	<i>Tamea lacerate</i>	10
BLUE DASHER	<i>Pachydiplax longipennis</i>	6
COMMON GREEN DARNER	<i>Anax junius</i>	29
COMMON WHITETAIL	<i>Libellula lydia</i>	9
PRINCE BASKETTAIL	<i>Epithica princeps</i>	7
RUSSETT-TIPPED CLUBTAIL	<i>Stylurus plagiatus</i>	1
SWAMP DARNER	<i>Epiaeschna heros</i>	1
SPOT-WINGED GLIDER	<i>Pantala hymenaea</i>	14
TWELVE-SPOTTED SKIMMER	<i>Libellula pulchella</i>	2
WANDERING GLIDER	<i>Pantala flavescens</i>	2
DAMSELFLIES		
BLUE-FRONTED DANCER	<i>Argia apicalis</i>	42
BLUE-TIPPED DANCER	<i>Argia tibialis</i>	39
CITRINE FORKTAIL	<i>Ischnura hastata</i>	1
EASTERN FORKTAIL	<i>Ischnura verticalis</i>	9
EBONY JEWELWING	<i>Calopteryx maculate</i>	1
FAMILIAR BLUET	<i>Enallagma civile</i>	5
GREAT SPREADWING	<i>Archilestes grandis</i>	1
ORANGE BLUET	<i>Enallagma signatum</i>	2
BUTTERFLIES		
BUCKEYE	<i>Junonia coenia</i>	4
CABBAGE WHITE	<i>Pieris rapae</i>	1
COMMON SULFUR	<i>Colias philodice</i>	1
FIERY SKIPPER	<i>Hylephilia phileus</i>	1
LEAST SKIPPER	<i>Ancyloxypha numitor</i>	1
ORANGE SULFUR	<i>Colias eurytheme</i>	2
PEARL CRESCENT	<i>Phyciodes tharos</i>	25
RED-SPOTTED PURPLE	<i>Limentis astyanax</i>	1
WILD INDIGO DUSKYWING	<i>Erynnis baptisiae</i>	2
BIRDS		
AMERICAN GOLDFINCH	<i>Spinus tristis</i>	
AMERICAN ROBIN	<i>Turdud migratorius</i>	
BALTIMORE ORIOLE	<i>Icterus galbula</i>	
BANK SWALLOW	<i>Riparia riparia</i>	
BLACK-CAPPED CHICKADEE	<i>Poecile atricapillus</i>	
BLUE-GRAY GNATCATCHER	<i>Polioptila caerulea</i>	
BROWN-HEADED COWBIRD	<i>Molothrus ater</i>	

Common Name	Scientific Name	Number of Animals Observed
CEDAR WAXWING	<i>Bombycilla cedrorum</i>	
CHIPPING SPARROW	<i>Spizella passerina</i>	
COMMON GRACKLE	<i>Quiscalus quiscula</i>	
COMMON YELLOWTHROAT	<i>Geothlypis trichas</i>	
DOWNY WOODPECKER	<i>Picoides pubescens</i>	
EUROPEAN STARLING	<i>Sturnus vulgaris</i>	
GRAY CATBIRD	<i>Dumetella carolinensis</i>	
INDIGO BUNTING	<i>Passerina cyanea</i>	
MOURNING DOVE	<i>Zenaida macroura</i>	
NORTHERN CARDINAL	<i>Cardinalis cardinalis</i>	
NORTHERN ROUGH-WINGED SWALLOW	<i>Stelgidopteryx serripennis</i>	
RED-WINGED BLACKBIRD	<i>Agelaius phoeniceus</i>	
RING-BILLED GULL	<i>Larus delawarensis</i>	
ROCK PIGEON	<i>Columba livia</i>	
SONG SPARROW	<i>Melospiza melodia</i>	
WARBLING VIREO	<i>Vireo gilvus</i>	
YELLOW WARBLER	<i>Dendroica petechia</i>	
MAMMALS		
AMERICAN BEAVER	<i>Castor canadensis</i>	
COYOTE	<i>Canis latrans</i>	
EASTERN CHIPMUNK	<i>Tamias striatus</i>	1
EASTERN COTTONTAIL	<i>Sylvilagus floridanus</i>	
EASTERN FOX SQUIRREL	<i>Sciurus niger</i>	
EASTERN GRAY SQUIRREL	<i>Sciurus carolinensis</i>	
HOUSE MOUSE	<i>Mus musculus</i>	2
PRAIRIE VOLE	<i>Microtus ochrogaster</i>	25
RACCOON	<i>Procyon lotor</i>	
VIRGINIA OPOSSUM	<i>Didelphis virginiana</i>	
WHITE-FOOTED MOUSE	<i>Peromyscus leucopus</i>	59
WHITE-TAILED DEER	<i>Odocoileus virginianus</i>	

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COVER

Bobolink
Tiger salamander
Fiery skipper butterfly
Blazing star

Sam Burckhardt
Amy Sullivan
Doug Taron
Paul Bollinger

REPORT

Native prairie restoration
Chicago Sanitary and Ship Canal
Calumet WRP
Paul Bollinger
Eastern tailed blue butterfly
Drift fence
Yellow-crowned night-heron
Opossum
White-footed mouse
North Shore Channel
Mesic prairie
Stickney WRP
Rosinweed
Reservoir
SEPA 5
Female fiery skipper butterfly
Buckeye butterfly
Great blue heron
Mushrooms
Jewelweed
American rubyspot damselfly
Sandpiper
White-tailed deer
Bergamot
Black-crowned night-heron
Red-breasted merganser
Monarda with sphinx moth
Calico pennant dragonfly
Tiger salamander
Ruby meadowhawk dragonfly
Great egret
Woodcock nest
Halloween pennant dragonfly
American toad
Northern water snake
Osprey
Coyote
Butterfly weed, monarch butterfly
Hines emerald dragonfly
Native prairie restoration

Paul Bollinger
Urban GIS
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Paul Bollinger
Doug Taron
Rob Carmichael
Walter Marcisz
Amy Sullivan
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U.S. Fish and Wildlife Service
Paul Bollinger



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